



Building knowledge

Job Order Contract Construction Task Catalog®

Book 1 of 2 CSI Divisions 01 - 22 December 2016

County of Los Angeles
Internal Services Department



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CTC Information:

- ☑ This Construction Task Catalog® was developed and customized by The Gordian Group, Inc. specifically for **County of Los Angeles Internal Services Department**, priced locally using current labor, material and equipment costs, and published in December 2016.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **County of Los Angeles Internal Services Department**. Use of The Gordian Group's CTC and other proprietary information and software for any other purpose or any other entity is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

- ☑ The tasks in this Construction Task Catalog are organized using CSI's *MasterFormat*.



The Unit Prices Include:

LABOR COSTS:

- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 1/2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the task; disposal of excess material; and time for lunch and breaks.
- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and excludes an allowance for Social Security and Medicare taxes,

worker's compensation, unemployment insurance and employee benefits.

- ☑ Labor costs are based on workers familiar with and skilled in the performance of the task following OSHA requirements.

EQUIPMENT COSTS:

- ☑ Equipment costs include all equipment required to accomplish the task. Mobilization is included for all equipment except large equipment (e.g. cranes, pile drivers, bulldozers, excavators, backhoes, bobcats etc.), which exclude mobilization.
- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

MATERIAL COSTS:

- ☑ Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- ☑ Material costs include manufacturer's and/or fabricator's shop drawings.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.

Complete and In-Place Construction:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than

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- 2 ½ stories, the contractor will be paid for such crane or lifting equipment as a separate task.
- ☑ Unit prices for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.
 - ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) that are required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or relocating or reinstalling existing material and equipment.
 - ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the task description states otherwise.
 - ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, flashing, pitch pockets, skylights, curbs, roofing, etc. include sealant and caulking.
 - ☑ Unit prices include testing, calibration, balancing and the like required to ensure proper installation, construction and performance (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing, others as required). Use of owner supplied materials, equipment or tying into existing equipment/piping may justify testing, balancing, etc.

Demolition:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 ½ stories into a truck, dumpster, or to an owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).

- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The description "replace" includes the demolition of the existing item and the installation of the new item.
- ☑ The descriptions "remove and relocate" or "remove and reinstall" includes the removal, cleaning of item and installation of the existing item in either the same location or another location.
- ☑ The description "reinstall" includes the cleaning and installation of the existing item.
- ☑ Salvageable materials remain the property of the Owner and shall be turned over as directed when specified in the Job Order.

The Adjustment Factors Include:

BUSINESS COSTS:

- ☑ Overhead costs, including, unless specifically excluded in the Contract Documents, but not limited to;
 - home office overhead
 - insurance, bonds, and indemnification
 - project meetings, training, management and supervision
 - mobilization and close-out for the contract and each Job Order and
 - project office staff and equipment.
- ☑ Profit.
- ☑ Subcontractor's overhead and profit.

- All taxes for which a waiver is not available including material sales tax and equipment rental.
- Employee or Subcontractor's wage rates that exceed the prevailing wage rates.
- Fringe benefits that exceed the labor rate allowances.
- Payroll taxes, worker's compensation, insurance costs and any other payment mandated by law in connection with labor.
- Cost of financing the work.
- Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.

CONSTRUCTION RELATED COSTS:

- Services required to obtain filings and permits.
- Preparation and modification of proposals, sketches, drawings, submittals, as-built drawings, CADD drawings, microfilm, and other project records.
- Incidental engineering and architectural services.
- Office trailer and portable toilets for Contractor's use.
- Construction vehicles such as pick-up trucks, utility trucks, vans, flat bed trucks, tractors, trailers, etc.
- Storage devices or items such as gang boxes and containers for Contractor's tools, equipment and materials.
- Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- Meeting Owner security requirements.
- Excess waste including roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, siding, concrete, etc. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.

- Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, wall or ceiling attached or fastened devices or furnishings, safes or other furniture requiring disassembly).
- Sealing, windows, and openings with plastic to contain construction dust and debris within the work area.
- Daily clean-up.
- Final professional project clean-up.
- Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- Costs resulting from productivity loss.
- Working in extreme temperatures (below or above normal) or adverse conditions such as excessive rain, wind, sleet or snow.
- Differences in project size; complexity and location.
- All costs for other than discreet items of work specifically required to complete a particular Job Order.

PRICE VARIATIONS:

- Contractors may find differences in labor, equipment and material costs due to certain economic factors. Variations in labor cost can also result from labor efficiency, labor restrictions, working conditions and local work rules. Variations in material costs can also result from the quantity of material purchased, the existing relationship with suppliers, and because the materials have been discontinued or have become obsolete.
- While diligent effort is made to provide accurate and reliable up-to-date pricing, it is the responsibility of the Contractor to review and analyze the unit prices, and to calculate their Adjustment Factors accordingly, prior to bidding.

GENERAL COSTS:

- This list is not exhaustive and is intended to provide general examples of cost items to be included in the

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Contractor's Adjustment Factor as defined in the Contract.

- The only compensation to be paid to a Contractor for the unit price tasks will be:

Published Unit Price	X	Installation (or Demolition) Quantity	X	Appropriate Adjustment Factor
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- No additional payments of any kind whatsoever will be made. All costs not included in the unit prices must be part of the Adjustment Factors.

General Interpretations:

WORKING HEIGHT:

- Typical working height for work other than masonry is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.
- Typical working height for masonry work is up to 4' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for masonry work below 4'.

FIELD ENGINEERING:

- Surveying tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical controls. If the Owner provides horizontal and vertical control points within or adjacent to the project site, any other surveying required to complete the work is considered construction staking or layout and the cost thereof is included in the appropriate task.

ASSEMBLIES:

- Assembly unit prices take precedence over individual component pricing.

TESTING:

- Contractor will be paid for testing existing material, as required by the technical specifications and as directed by the Owner (record tests) at the unit price for the appropriate task. The cost of process quality control testing routinely performed by the Contractor is included in the unit prices for the individual tasks.

MISCELLANEOUS:

- For the purpose of calculating the quantity of a task, quantities are calculated on a per project basis. The quantity so determined shall be used for the task and all appropriate modifiers, unless the task states otherwise.
- Whenever there are alternative tasks that may be selected to complete work the Contractor shall select the most practical and economical tasks available (e.g. rental of equipment by weeks or months rather than days or painting by roller or spray rather than brush).
- Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories tasks and for certain electrical conduit and conduit accessories tasks. Only those tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated tasks. A non pre-priced task will not be allowed because of Restricted Working Space for any CTC task.
- Confined Working Space is defined according to the OSHA definition 29 CFR 1926.21(b)(6)(i): "Any space having limited means of egress, which is subject to accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, including, but not limited to, storage

tanks, process vessels, bins, boilers, ventilation and exhaust duct, sewers, underground vaults, tunnels, pipelines and open top spaces more than 4 feet in depth such as pits and tubs." The Contractor shall conform to all OSHA and Owner requirements for working in Confined Working Spaces. Required ventilation and air monitoring equipment tasks shall be priced from the CTC.

- ☑ Whenever a material, article or piece of equipment is identified in the CTC or in the specifications by reference to manufacturers' or vendors' names, trade names, catalogue numbers, or make, the identification is intended to establish a standard. Any material, article or equipment of another manufacturer or vendor which performs satisfactorily the duties imposed by the general design may be considered equally acceptable provided that, in the opinion of the Owner, the material, article or equipment so proposed is of equal quality, substance and function. The Contractor shall not provide, furnish or install any proposed material, article or equipment without the prior written approval of the Owner. The burden of proof and all costs related thereto concerning the "or equal" nature of the substitute item, whether approved or disapproved, shall be borne by the Contractor.

SPECIFICATIONS:

- ☑ Specifications for tasks shall be interpreted as follows: All labor, material, equipment, spare parts, services, and work required by a specification shall be considered part of the unit price, unless the task description or technical specifications state otherwise.

Useful Information:

UNIT OF MEASURE DEFINITIONS:

ACR – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted

Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Hundred Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** - Ground Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** - Loose (Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT** – Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM** - Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLF** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

MATERIAL WEIGHTS:

EARTHEN MATERIAL

- ☑ The following engineering values for establishing shrink/swell factors shall be used unless otherwise directed by the Owner.

Material	Material Weight (Lbs Per CY)		
	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240

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Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170
Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

1 Square Foot = 144 Square Inches = .0929 Square Meters

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

BULK FACTORS FOR DEMOLITION:

The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.

- **Asphalt** = 1.25
- **Concrete** = 1.40

CONVERSIONS:

1 Acre = 43,560 Square Feet = 4046.8 Square Meters

1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

Sheet Metal Thickness (inches)				
Gage No.	Steel Sheet	Galvanized Steel Sheet	Stainless Steel Sheet	Aluminum Sheet
10	.135	.138	.141	
11	.120	.123	.125	
12	.105	.108	.109	
13	.090	.093	.094	.072
14	.075	.079	.078	.064
15	.067	.071	.070	.057
16	.060	.064	.063	.051
17	.054	.058	.056	.045
18	.048	.052	.050	.040
19	.042	.046	.044	.036
20	.036	.040	.038	.032
21	.033	.037	.034	.028
22	.030	.034	.031	.025
23	.027	.031	.028	.023
24	.024	.028	.025	.020
25	.021	.025	.022	.018
26	.018	.022	.019	.017

STANDARD GEOMETRY:

Circle

- Circumference = 2 π radius = π diameter
- Area = π radius² = π (diameter² / 4)

Cylinder

- Volume = (π radius²)height
- Surface Area = 2 π radius²+(2 π radius)height

Sphere

- Volume = $(4 \pi \text{ radius}^3) / 3$
- Surface Area = $4 \pi \text{ radius}^2$

$\pi = 3.14159$

United Inch

- The industry standard for measuring windows is the United Inch or UI. The UI is determined by adding the width and the height in inches.

TRADEMARKS

- Gordian JOC Solution, JOC Complete Solution, JOC Complete Solution Plus, PROGEN, eGordian, ezIQC, Construction Task Catalog, Catalog of Construction Tasks, DMAP, The Standard for Job Order Contracting and 6 Phase Development and Implementation Process are either registered trademarks or trademarks of The Gordian Group, Inc. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 General Requirements

01 20 Price And Payment Procedures ⁽⁰¹⁾

01 22 Unit Prices ^(01 20)

01 22 16 Unit Price Payment ^(01 22)

01 22 16 00-0001 Reimbursable Fees ^(01 22 16)

Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, etc, which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.

01 22 16 00-0002	EA	Reimbursable Fees.....	1.00
<p>Note: Reimbursable Fees will be paid to the contractor for eligible costs. The base cost of the Reimbursable Fee is \$1.00. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$125.00 Reimbursable Fee). If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.</p>			

01 22 20 Wage Rates ^(01 22)

01 22 20 00-0001 Local Labor/Wage Rates ^(01 22 20)

Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.

01 22 20 00-0002	HR	Asbestos Removal Worker.....	50.97
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreman, Add			2.55
For Apprentice, Deduct			-10.19
01 22 20 00-0003	HR	Insulator.....	58.55
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreman, Add			2.93
For Apprentice, Deduct			-11.71
01 22 20 00-0004	HR	Boilermaker.....	75.58
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreman, Add			3.78
For Apprentice, Deduct			-15.12
01 22 20 00-0005	HR	Brick Layer.....	55.16
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreman, Add			2.76
For Apprentice, Deduct			-11.03
01 22 20 00-0006	HR	Carpenter.....	57.82
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreman, Add			2.89
For Apprentice, Deduct			-11.56
01 22 20 00-0007	HR	Carpet, Linoleum.....	45.44
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreman, Add			2.27
For Apprentice, Deduct			-9.09
01 22 20 00-0008	HR	Cement Mason.....	56.90
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreman, Add			2.85
For Apprentice, Deduct			-11.38
01 22 20 00-0009	HR	Drywall Finisher.....	53.47
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreman, Add			2.67
For Apprentice, Deduct			-10.69
01 22 20 00-0010	HR	Electrician.....	69.86
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreman, Add			3.49
For Apprentice, Deduct			-13.97
01 22 20 00-0011	HR	Equipment Operator, Heavy (Crane).....	70.92
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreman, Add			3.55
For Apprentice, Deduct			-14.18
01 22 20 00-0012	HR	Equipment Operator, Medium (Bulldozer).....	70.63
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreman, Add			3.53
For Apprentice, Deduct			-14.13
01 22 20 00-0013	HR	Equipment Operator, Light (Backhoe, Skid-Steer Loader).....	70.30
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreman, Add			3.52
For Apprentice, Deduct			-14.06
01 22 20 00-0014	HR	Glazier.....	63.36
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreman, Add			3.17
For Apprentice, Deduct			-12.67
01 22 20 00-0015	HR	Laborer.....	52.08
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
01 22 20 00-0016	HR	Lather.....	58.05
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreman, Add			2.90
For Apprentice, Deduct			-11.61

01	General Requirements
01 20	Price And Payment Procedures
01 22	Unit Prices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0017	HR		Marble Setter	55.16	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.76	
			For Apprentice, Deduct	-11.03	
01 22 20 00-0018	HR		Millwright.....	58.32	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.92	
			For Apprentice, Deduct	-11.66	
01 22 20 00-0019	HR		Mold Removal Worker	50.97	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.55	
			For Apprentice, Deduct	-10.19	
01 22 20 00-0020	HR		Painter, Ordinary.....	45.27	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.26	
			For Apprentice, Deduct	-9.05	
01 22 20 00-0021	HR		Painter, Structural Steel.....	46.67	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.33	
			For Apprentice, Deduct	-9.33	
01 22 20 00-0022	HR		Paperhanger.....	45.27	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.26	
			For Apprentice, Deduct	-9.05	
01 22 20 00-0023	HR		Pile Drivers	70.92	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	3.55	
			For Apprentice, Deduct	-14.18	
01 22 20 00-0024	HR		Plasterer	54.95	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.75	
			For Apprentice, Deduct	-10.99	
01 22 20 00-0025	HR		Plumber	69.70	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	3.49	
			For Apprentice, Deduct	-13.94	
01 22 20 00-0026	HR		Powderman.....	55.08	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.75	
			For Apprentice, Deduct	-11.02	
01 22 20 00-0027	HR		Rodman (Reinforcing)/Ornamental Steel Worker.....	66.46	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	3.32	
			For Apprentice, Deduct	-13.29	
01 22 20 00-0028	HR		Roofer, Composite.....	53.79	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.69	
			For Apprentice, Deduct	-10.76	
01 22 20 00-0029	HR		Roofer, Metal	69.41	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0030	HR		Roofer, Tile/Slate.....	53.79	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.69	
			For Apprentice, Deduct	-10.76	
01 22 20 00-0031	HR		Sheet Metal Worker	69.41	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	3.47	
			For Apprentice, Deduct	-13.88	
01 22 20 00-0032	HR		Sprinkler Installer	65.73	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	3.29	
			For Apprentice, Deduct	-13.15	
01 22 20 00-0033	HR		Steam / Pipe Fitter	69.70	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	3.49	
			For Apprentice, Deduct	-13.94	
01 22 20 00-0034	HR		Stone Mason.....	55.16	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.76	
			For Apprentice, Deduct	-11.03	
01 22 20 00-0035	HR		Structural Steel Worker.....	66.46	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	3.32	
			For Apprentice, Deduct	-13.29	
01 22 20 00-0036	HR		Tile Layer.....	52.50	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.63	
			For Apprentice, Deduct	-10.50	
01 22 20 00-0037	HR		Terrazzo Worker	46.83	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.34	
			For Apprentice, Deduct	-9.37	
01 22 20 00-0038	HR		Truck Driver, Light.....	53.93	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.70	
			For Apprentice, Deduct	-10.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0039 HR Truck Driver, Heavy.....	54.08	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreman, Add</i>		
<i>For Apprentice, Deduct</i>		
01 22 20 00-0040 HR Class I Diver	106.48	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0041 HR Class III Diver Tender	61.95	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0042 HR D1 Certified Welder	70.37	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0043 Rates For Services (01 22 20)		
01 22 20 00-0044 HR Watchman/Guard, Unarmed	22.42	
01 22 20 00-0045 HR Watchman/Guard, Armed	32.48	
01 22 20 00-0046 HR OSHA Testing.....	71.25	
01 22 20 00-0047 HR Investigating Engineer Or Specialty Consultant.....	80.00	
Note: For special investigating requirements or services outside required architectural and engineering services.		
01 22 20 00-0048 HR Investigating Senior Engineer Or Specialty Consultant	125.00	
Note: For special investigating requirements or services outside required architectural and engineering services.		
01 22 20 00-0049 HR Industrial Hygienist	59.14	
01 22 20 00-0050 HR On-Site Certified Materials Testing Technician.....	57.00	
01 22 20 00-0051 HR Certified Industrial Hygienist	78.84	
01 22 20 00-0052 MI Mileage For Professional Services (Engineering, Surveying, Etcetera).....	0.56	
Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		
01 22 20 00-0053 HR Fire Safety Technician.....	43.51	
01 22 20 00-0054 Rates For Traffic Control (01 22 20)		
01 22 20 00-0055 HR Flagperson For Traffic Control.....	52.08	
01 22 23 Equipment Usage (01 22)		
Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. See CSI section 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.		
01 22 23 00-0001 Aerial Equipment (01 22 23)		
01 22 23 00-0002 Manlifts (01 22 23 00-0001)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0003 Telescoping Boom Manlifts (01 22 23 00-0002)		
01 22 23 00-0004 Engine Powered, Telescoping Boom Manlifts (01 22 23 00-0003)		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0005 DAY 40' Engine Powered, Telescoping Boom Manlift.....	422.25	
01 22 23 00-0006 WK 40' Engine Powered, Telescoping Boom Manlift.....	1,062.44	
01 22 23 00-0007 MO 40' Engine Powered, Telescoping Boom Manlift.....	2,383.68	
01 22 23 00-0008 DAY 60' Engine Powered, Telescoping Boom Manlift.....	619.76	
01 22 23 00-0009 WK 60' Engine Powered, Telescoping Boom Manlift.....	1,477.88	
01 22 23 00-0010 MO 60' Engine Powered, Telescoping Boom Manlift.....	3,234.99	
01 22 23 00-0011 DAY 80' Engine Powered, Telescoping Boom Manlift.....	1,205.46	
01 22 23 00-0012 WK 80' Engine Powered, Telescoping Boom Manlift.....	2,921.70	
01 22 23 00-0013 MO 80' Engine Powered, Telescoping Boom Manlift.....	6,129.45	
01 22 23 00-0014 DAY 110' Engine Powered, Telescoping Boom Manlift.....	1,716.25	
01 22 23 00-0015 WK 110' Engine Powered, Telescoping Boom Manlift.....	4,132.61	
01 22 23 00-0016 MO 110' Engine Powered, Telescoping Boom Manlift.....	10,297.48	
01 22 23 00-0017 DAY 120' Engine Powered, Telescoping Boom Manlift.....	2,090.82	
01 22 23 00-0018 WK 120' Engine Powered, Telescoping Boom Manlift.....	5,332.62	
01 22 23 00-0019 MO 120' Engine Powered, Telescoping Boom Manlift.....	12,122.69	
01 22 23 00-0020 Articulating (Up/Over) Boom Manlifts (01 22 23 00-0002)		
01 22 23 00-0021 Engine Powered, Articulating (Up/Over) Boom Manlifts (01 22 23 00-0020)		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0022 DAY 34' Engine Powered, Articulating (Up/Over) Boom Manlift.....	340.42	
01 22 23 00-0023 WK 34' Engine Powered, Articulating (Up/Over) Boom Manlift.....	854.15	
01 22 23 00-0024 MO 34' Engine Powered, Articulating (Up/Over) Boom Manlift.....	2,054.91	
01 22 23 00-0025 DAY 45' Engine Powered, Articulating (Up/Over) Boom Manlift.....	433.26	
01 22 23 00-0026 WK 45' Engine Powered, Articulating (Up/Over) Boom Manlift.....	946.99	
01 22 23 00-0027 MO 45' Engine Powered, Articulating (Up/Over) Boom Manlift.....	2,350.77	
01 22 23 00-0028 DAY 60' Engine Powered, Articulating (Up/Over) Boom Manlift.....	557.06	
01 22 23 00-0029 WK 60' Engine Powered, Articulating (Up/Over) Boom Manlift.....	1,287.42	
01 22 23 00-0030 MO 60' Engine Powered, Articulating (Up/Over) Boom Manlift.....	2,878.12	
01 22 23 00-0031 DAY 80' Engine Powered, Articulating (Up/Over) Boom Manlift.....	971.75	
01 22 23 00-0032 WK 80' Engine Powered, Articulating (Up/Over) Boom Manlift.....	2,290.12	
01 22 23 00-0033 MO 80' Engine Powered, Articulating (Up/Over) Boom Manlift.....	5,569.31	
01 22 23 00-0034 DAY 125' Engine Powered, Articulating (Up/Over) Boom Manlift.....	1,887.80	
01 22 23 00-0035 WK 125' Engine Powered, Articulating (Up/Over) Boom Manlift.....	4,456.44	
01 22 23 00-0036 MO 125' Engine Powered, Articulating (Up/Over) Boom Manlift.....	10,893.52	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0037		Electric, Articulating (Up/Over) Boom Manlifts (01 22 23 00-0020)	
Note: For use on paved surfaces.			
01 22 23 00-0038	DAY	30' Electric, Articulating (Up/Over) Boom Manlift	340.42
01 22 23 00-0039	WK	30' Electric, Articulating (Up/Over) Boom Manlift	854.15
01 22 23 00-0040	MO	30' Electric, Articulating (Up/Over) Boom Manlift	2,054.91
01 22 23 00-0041	DAY	35' Electric, Articulating (Up/Over) Boom Manlift	340.42
01 22 23 00-0042	WK	35' Electric, Articulating (Up/Over) Boom Manlift	854.15
01 22 23 00-0043	MO	35' Electric, Articulating (Up/Over) Boom Manlift	2,054.91
01 22 23 00-0044	DAY	40' Electric, Articulating (Up/Over) Boom Manlift	420.89
01 22 23 00-0045	WK	40' Electric, Articulating (Up/Over) Boom Manlift	909.86
01 22 23 00-0046	MO	40' Electric, Articulating (Up/Over) Boom Manlift	2,259.17
01 22 23 00-0047	DAY	45' Electric, Articulating (Up/Over) Boom Manlift	420.89
01 22 23 00-0048	WK	45' Electric, Articulating (Up/Over) Boom Manlift	909.86
01 22 23 00-0049	MO	45' Electric, Articulating (Up/Over) Boom Manlift	2,259.17
01 22 23 00-0050		Platform Lifts (01 22 23 00-0001)	
Note: Excludes operator, delivery, set-up, and removal.			
01 22 23 00-0051		Electric, Scissor Platform Lifts (01 22 23 00-0050)	
Note: For use on paved surfaces.			
01 22 23 00-0052	DAY	17' Electric, Scissor Platform Lift	171.88
01 22 23 00-0053	WK	17' Electric, Scissor Platform Lift	343.75
01 22 23 00-0054	MO	17' Electric, Scissor Platform Lift	703.12
01 22 23 00-0055	DAY	20' Electric, Scissor Platform Lift	187.50
01 22 23 00-0056	WK	20' Electric, Scissor Platform Lift	375.00
01 22 23 00-0057	MO	20' Electric, Scissor Platform Lift	750.00
01 22 23 00-0058	DAY	25' Electric, Scissor Platform Lift	242.19
01 22 23 00-0059	WK	25' Electric, Scissor Platform Lift	484.38
01 22 23 00-0060	MO	25' Electric, Scissor Platform Lift	1,039.06
01 22 23 00-0061	DAY	30' Electric, Scissor Platform Lift	312.50
01 22 23 00-0062	WK	30' Electric, Scissor Platform Lift	617.19
01 22 23 00-0063	MO	30' Electric, Scissor Platform Lift	1,367.19
01 22 23 00-0064	DAY	33' Electric, Scissor Platform Lift	335.94
01 22 23 00-0065	WK	33' Electric, Scissor Platform Lift	656.25
01 22 23 00-0066	MO	33' Electric, Scissor Platform Lift	1,484.38
01 22 23 00-0067	DAY	40' Electric, Scissor Platform Lift	437.50
01 22 23 00-0068	WK	40' Electric, Scissor Platform Lift	1,085.94
01 22 23 00-0069	MO	40' Electric, Scissor Platform Lift	3,023.44
01 22 23 00-0070		Engine Powered, Scissor Platform Lifts (01 22 23 00-0050)	
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.			
01 22 23 00-0071	DAY	25' Engine Powered, Scissor Platform Lift	351.56
01 22 23 00-0072	WK	25' Engine Powered, Scissor Platform Lift	687.50
01 22 23 00-0073	MO	25' Engine Powered, Scissor Platform Lift	1,679.69
01 22 23 00-0074	DAY	33' Engine Powered, Scissor Platform Lift	359.38
01 22 23 00-0075	WK	33' Engine Powered, Scissor Platform Lift	820.31
01 22 23 00-0076	MO	33' Engine Powered, Scissor Platform Lift	1,796.88
01 22 23 00-0077	DAY	40' Engine Powered, Scissor Platform Lift	398.44
01 22 23 00-0078	WK	40' Engine Powered, Scissor Platform Lift	914.06
01 22 23 00-0079	MO	40' Engine Powered, Scissor Platform Lift	2,031.25
01 22 23 00-0080	DAY	43' Engine Powered, Scissor Platform Lift	421.88
01 22 23 00-0081	WK	43' Engine Powered, Scissor Platform Lift	984.38
01 22 23 00-0082	MO	43' Engine Powered, Scissor Platform Lift	2,421.88
01 22 23 00-0083	DAY	50' Engine Powered, Scissor Platform Lift	789.06
01 22 23 00-0084	WK	50' Engine Powered, Scissor Platform Lift	1,734.38
01 22 23 00-0085	MO	50' Engine Powered, Scissor Platform Lift	4,265.62
01 22 23 00-0086		Personnel Lifts (01 22 23 00-0001)	
Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.			
01 22 23 00-0087	DAY	24', Push-Type, Electric Single Man Personnel Lift	131.54
01 22 23 00-0088	WK	24', Push-Type, Electric Single Man Personnel Lift	372.68
01 22 23 00-0089	MO	24', Push-Type, Electric Single Man Personnel Lift	752.67
01 22 23 00-0090	DAY	30', Push-Type, Electric Single Man Personnel Lift	182.69
01 22 23 00-0091	WK	30', Push-Type, Electric Single Man Personnel Lift	387.30
01 22 23 00-0092	MO	30', Push-Type, Electric Single Man Personnel Lift	759.98
01 22 23 00-0093	DAY	36', Push-Type, Electric Single Man Personnel Lift	306.92
01 22 23 00-0094	WK	36', Push-Type, Electric Single Man Personnel Lift	745.36
01 22 23 00-0095	MO	36', Push-Type, Electric Single Man Personnel Lift	2,177.64
01 22 23 00-0096	DAY	40', Push-Type, Electric Single Man Personnel Lift	328.84
01 22 23 00-0097	WK	40', Push-Type, Electric Single Man Personnel Lift	818.44
01 22 23 00-0098	MO	40', Push-Type, Electric Single Man Personnel Lift	2,462.63
01 22 23 00-0099	DAY	15', Self-Propelled, Electric Single Man Personnel Lift	175.38
01 22 23 00-0100	WK	15', Self-Propelled, Electric Single Man Personnel Lift	350.76
01 22 23 00-0101	MO	15', Self-Propelled, Electric Single Man Personnel Lift	701.52
01 22 23 00-0102	DAY	20', Self-Propelled, Electric Single Man Personnel Lift	175.38
01 22 23 00-0103	WK	20', Self-Propelled, Electric Single Man Personnel Lift	350.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0104 MO 20', Self-Propelled, Electric Single Man Personnel Lift.....	729.29	
01 22 23 00-0105 Bucket Trucks (01 22 23 00-0001)		
Note: Includes full-time operator, delivery, and removal.		
01 22 23 00-0106 DAY 48' Bucket Truck With Full-Time Operator.....	901.36	
For Equipment Without Operator, Deduct	-432.64	
01 22 23 00-0107 WK 48' Bucket Truck With Full-Time Operator.....	3,837.20	
For Equipment Without Operator, Deduct	-2,163.20	
01 22 23 00-0108 MO 48' Bucket Truck With Full-Time Operator.....	14,122.94	
For Equipment Without Operator, Deduct	-9,324.14	
01 22 23 00-0109 Air Equipment (01 22 23)		
01 22 23 00-0110 Air Compressors (01 22 23 00-0109)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0111 DAY 100 CFM Diesel Powered Portable Air Compressor.....	148.10	
01 22 23 00-0112 WK 100 CFM Diesel Powered Portable Air Compressor.....	444.31	
01 22 23 00-0113 MO 100 CFM Diesel Powered Portable Air Compressor.....	1,234.19	
01 22 23 00-0114 DAY 130 CFM Diesel Powered Portable Air Compressor.....	177.72	
01 22 23 00-0115 WK 130 CFM Diesel Powered Portable Air Compressor.....	523.30	
01 22 23 00-0116 MO 130 CFM Diesel Powered Portable Air Compressor.....	1,481.02	
01 22 23 00-0117 DAY 185 CFM Diesel Powered Portable Air Compressor.....	236.96	
01 22 23 00-0118 WK 185 CFM Diesel Powered Portable Air Compressor.....	533.17	
01 22 23 00-0119 MO 185 CFM Diesel Powered Portable Air Compressor.....	1,174.95	
01 22 23 00-0120 DAY 375 CFM Diesel Powered Portable Air Compressor.....	335.70	
01 22 23 00-0121 WK 375 CFM Diesel Powered Portable Air Compressor.....	849.12	
01 22 23 00-0122 MO 375 CFM Diesel Powered Portable Air Compressor.....	2,024.07	
01 22 23 00-0123 DAY 600 CFM Diesel Powered Portable Air Compressor.....	746.44	
01 22 23 00-0124 WK 600 CFM Diesel Powered Portable Air Compressor.....	1,796.98	
01 22 23 00-0125 MO 600 CFM Diesel Powered Portable Air Compressor.....	4,478.62	
01 22 23 00-0126 DAY 750 CFM Diesel Powered Portable Air Compressor.....	898.49	
01 22 23 00-0127 WK 750 CFM Diesel Powered Portable Air Compressor.....	2,211.66	
01 22 23 00-0128 MO 750 CFM Diesel Powered Portable Air Compressor.....	5,430.42	
01 22 23 00-0129 DAY 825 CFM Diesel Powered Portable Air Compressor.....	898.49	
01 22 23 00-0130 WK 825 CFM Diesel Powered Portable Air Compressor.....	2,211.66	
01 22 23 00-0131 MO 825 CFM Diesel Powered Portable Air Compressor.....	5,430.42	
01 22 23 00-0132 DAY 1,300 CFM Diesel Powered Portable Air Compressor.....	1,046.59	
01 22 23 00-0133 WK 1,300 CFM Diesel Powered Portable Air Compressor.....	2,345.94	
01 22 23 00-0134 MO 1,300 CFM Diesel Powered Portable Air Compressor.....	6,255.85	
01 22 23 00-0135 DAY 1,600 CFM Diesel Powered Portable Air Compressor.....	1,303.30	
01 22 23 00-0136 WK 1,600 CFM Diesel Powered Portable Air Compressor.....	2,932.43	
01 22 23 00-0137 MO 1,600 CFM Diesel Powered Portable Air Compressor.....	7,819.81	
01 22 23 00-0138 Negative Air Machines (01 22 23 00-0109)		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0139 DAY Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter.....	56.00	
01 22 23 00-0140 WK Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter.....	230.00	
01 22 23 00-0141 MO Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter.....	695.00	
01 22 23 00-0142 EA Replacement HEPA Filter, 99.99% Efficient @ 0.3 Micron For Negative Air Machine.....	198.97	
Note: Required if over 800 hours operation.		
01 22 23 00-0143 LF Discharge Flexible Duct For Negative Air Machine.....	1.03	
01 22 23 00-0144 Portable Air Scrubbers (01 22 23 00-0109)		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0145 DAY 200 to 1,000 CFM Portable Air Scrubber.....	83.00	
01 22 23 00-0146 WK 200 to 1,000 CFM Portable Air Scrubber.....	345.00	
01 22 23 00-0147 MO 200 to 1,000 CFM Portable Air Scrubber.....	955.00	
01 22 23 00-0148 DAY >1,000 to 2,000 CFM Portable Air Scrubber.....	105.00	
01 22 23 00-0149 WK >1,000 to 2,000 CFM Portable Air Scrubber.....	435.00	
01 22 23 00-0150 MO >1,000 to 2,000 CFM Portable Air Scrubber.....	1,275.00	
01 22 23 00-0151 Material Handling Equipment (01 22 23)		
01 22 23 00-0152 Cranes, Hydraulic Truck Mounted, Up To 110' (01 22 23 00-0151)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal		
01 22 23 00-0153 DAY 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	1,006.29	
For Equipment Without Operator, Deduct	-565.04	
01 22 23 00-0154 WK 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	4,161.93	
For Equipment Without Operator, Deduct	-2,825.20	
01 22 23 00-0155 MO 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	16,200.77	
For Equipment Without Operator, Deduct	-12,177.59	
01 22 23 00-0156 DAY 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	1,123.09	
For Equipment Without Operator, Deduct	-565.04	
01 22 23 00-0157 WK 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	4,509.10	
For Equipment Without Operator, Deduct	-2,825.20	
01 22 23 00-0158 MO 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	17,239.01	
For Equipment Without Operator, Deduct	-12,177.59	

01	General Requirements
01 20	Price And Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0159 DAY 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,239.90 -565.04	
01 22 23 00-0160 WK 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,856.26 -2,825.20	
01 22 23 00-0161 MO 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	18,277.25 -12,177.59	
01 22 23 00-0162 DAY 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,395.63 -565.04	
01 22 23 00-0163 WK 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,323.46 -2,825.20	
01 22 23 00-0164 MO 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	19,672.39 -12,177.59	
01 22 23 00-0165 DAY 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,538.39 -565.04	
01 22 23 00-0166 WK 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,290.33 -2,825.20	
01 22 23 00-0167 MO 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	22,570.37 -12,177.59	
01 22 23 00-0168 DAY 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,875.82 -565.04	
01 22 23 00-0169 WK 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	7,497.28 -2,825.20	
01 22 23 00-0170 MO 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	26,193.83 -12,177.59	
01 22 23 00-0171 DAY 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,089.96 -565.04	
01 22 23 00-0172 WK 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,250.00 -2,825.20	
01 22 23 00-0173 MO 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	28,457.19 -12,177.59	
01 22 23 00-0174 DAY 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,258.67 -565.04	
01 22 23 00-0175 WK 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,859.97 -2,825.20	
01 22 23 00-0176 MO 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	30,284.50 -12,177.59	
01 22 23 00-0177 DAY 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,427.38 -565.04	
01 22 23 00-0178 WK 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,469.94 -2,825.20	
01 22 23 00-0179 MO 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	32,111.80 -12,177.59	
01 22 23 00-0180 DAY 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,537.70 -565.04	
01 22 23 00-0181 WK 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,846.30 -2,825.20	
01 22 23 00-0182 MO 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	33,253.86 -12,177.59	
01 22 23 00-0183 DAY 100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,686.94 -565.04	
01 22 23 00-0184 WK 100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,404.35 -2,825.20	
01 22 23 00-0185 MO 100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	34,915.05 -12,177.59	

01 22 23 00-0186 Cable Controlled Lattice Boom, Truck Mounted Mechanical Cranes (01 22 23 00-

0151)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0187 DAY 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,122.40 -565.04	
01 22 23 00-0188 WK 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,379.78 -2,825.20	
01 22 23 00-0189 MO 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	28,841.34 -12,177.59	
01 22 23 00-0190 DAY 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,322.86 -565.04	
01 22 23 00-0191 WK 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,378.40 -2,825.20	
01 22 23 00-0192 MO 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	34,837.18 -12,177.59	
01 22 23 00-0193 DAY 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,517.54 -565.04	
01 22 23 00-0194 WK 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	11,799.49 -2,825.20	
01 22 23 00-0195 MO 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	39,099.15 -12,177.59	
01 22 23 00-0196 DAY 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,906.88 -565.04	
01 22 23 00-0197 WK 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	13,220.58 -2,825.20	
01 22 23 00-0198 MO 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	43,355.94 -12,177.59	
01 22 23 00-0199 DAY 250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,276.75 -565.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0200 WK 250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	16,062.76	
<i>For Equipment Without Operator, Deduct</i>	-2,825.20	
01 22 23 00-0201 MO 250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	51,890.27	
<i>For Equipment Without Operator, Deduct</i>	-12,177.59	
01 22 23 00-0202 DAY 300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	4,886.71	
<i>For Equipment Without Operator, Deduct</i>	-565.04	
01 22 23 00-0203 WK 300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	18,249.55	
<i>For Equipment Without Operator, Deduct</i>	-2,825.20	
01 22 23 00-0204 MO 300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	58,441.56	
<i>For Equipment Without Operator, Deduct</i>	-12,177.59	
01 22 23 00-0205 DAY 500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	8,637.36	
<i>For Equipment Without Operator, Deduct</i>	-565.04	
01 22 23 00-0206 WK 500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	31,616.89	
<i>For Equipment Without Operator, Deduct</i>	-2,825.20	
01 22 23 00-0207 MO 500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	98,559.16	
<i>For Equipment Without Operator, Deduct</i>	-12,177.59	
01 22 23 00-0208 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts <small>(01 22 23 00-0151)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0209 DAY 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,035.92	
<i>For Equipment Without Operator, Deduct</i>	-562.40	
01 22 23 00-0210 WK 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	3,970.87	
<i>For Equipment Without Operator, Deduct</i>	-2,812.00	
01 22 23 00-0211 MO 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	14,612.89	
<i>For Equipment Without Operator, Deduct</i>	-12,120.69	
01 22 23 00-0212 DAY 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,085.76	
<i>For Equipment Without Operator, Deduct</i>	-562.40	
01 22 23 00-0213 WK 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	4,083.02	
<i>For Equipment Without Operator, Deduct</i>	-2,812.00	
01 22 23 00-0214 MO 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	14,862.11	
<i>For Equipment Without Operator, Deduct</i>	-12,120.69	
01 22 23 00-0215 DAY 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,073.30	
<i>For Equipment Without Operator, Deduct</i>	-562.40	
01 22 23 00-0216 WK 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	4,139.10	
<i>For Equipment Without Operator, Deduct</i>	-2,812.00	
01 22 23 00-0217 MO 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	15,235.94	
<i>For Equipment Without Operator, Deduct</i>	-12,120.69	
01 22 23 00-0218 DAY 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,216.60	
<i>For Equipment Without Operator, Deduct</i>	-562.40	
01 22 23 00-0219 WK 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	4,512.93	
<i>For Equipment Without Operator, Deduct</i>	-2,812.00	
01 22 23 00-0220 MO 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	16,108.21	
<i>For Equipment Without Operator, Deduct</i>	-12,120.69	
01 22 23 00-0221 Straight Mast, Rough Terrain Construction Forklifts <small>(01 22 23 00-0151)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0222 DAY 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	870.19	
<i>For Equipment Without Operator, Deduct</i>	-562.40	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	61.56	
01 22 23 00-0223 WK 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	3,652.49	
<i>For Equipment Without Operator, Deduct</i>	-2,812.00	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	168.10	
01 22 23 00-0224 MO 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	14,044.36	
<i>For Equipment Without Operator, Deduct</i>	-12,120.69	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	384.73	
01 22 23 00-0225 DAY 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	886.39	
<i>For Equipment Without Operator, Deduct</i>	-562.40	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	64.80	
01 22 23 00-0226 WK 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	3,696.73	
<i>For Equipment Without Operator, Deduct</i>	-2,812.00	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	176.95	
01 22 23 00-0227 MO 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	14,145.60	
<i>For Equipment Without Operator, Deduct</i>	-12,120.69	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	404.98	
01 22 23 00-0228 DAY 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	973.61	
<i>For Equipment Without Operator, Deduct</i>	-562.40	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	82.24	
01 22 23 00-0229 WK 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	3,939.72	
<i>For Equipment Without Operator, Deduct</i>	-2,812.00	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	225.54	
01 22 23 00-0230 MO 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	14,706.35	
<i>For Equipment Without Operator, Deduct</i>	-12,120.69	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	517.13	
01 22 23 00-0231 DAY 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,021.65	
<i>For Equipment Without Operator, Deduct</i>	-562.40	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	91.85	
01 22 23 00-0232 WK 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	3,918.91	
<i>For Equipment Without Operator, Deduct</i>	-2,812.00	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	221.38	
01 22 23 00-0233 MO 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	14,876.19	
<i>For Equipment Without Operator, Deduct</i>	-12,120.69	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	551.10	

01	General Requirements
01 20	Price And Payment Procedures
01 22	Unit Prices



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0234	Straight Mast, Industrial Warehouse Forklifts <small>(01 22 23 00-0151)</small>	
	Note: Includes full-time operator. Excludes delivery, set-up, and removal.	
01 22 23 00-0235	DAY 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	824.08
	For Equipment Without Operator, Deduct	-562.40
	For Propane Instead Of Gas Or Diesel, Add	52.34
01 22 23 00-0236	WK 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	3,410.13
	For Equipment Without Operator, Deduct	-2,812.00
	For Propane Instead Of Gas Or Diesel, Add	119.63
01 22 23 00-0237	MO 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	13,553.71
	For Equipment Without Operator, Deduct	-12,120.69
	For Propane Instead Of Gas Or Diesel, Add	286.60
01 22 23 00-0238	DAY 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	830.31
	For Equipment Without Operator, Deduct	-562.40
	For Propane Instead Of Gas Or Diesel, Add	53.58
01 22 23 00-0239	WK 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	3,428.82
	For Equipment Without Operator, Deduct	-2,812.00
	For Propane Instead Of Gas Or Diesel, Add	123.36
01 22 23 00-0240	MO 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	13,597.32
	For Equipment Without Operator, Deduct	-12,120.69
	For Propane Instead Of Gas Or Diesel, Add	295.33
01 22 23 00-0241	DAY 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	961.15
	For Equipment Without Operator, Deduct	-562.40
	For Propane Instead Of Gas Or Diesel, Add	79.75
01 22 23 00-0242	WK 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	3,715.42
	For Equipment Without Operator, Deduct	-2,812.00
	For Propane Instead Of Gas Or Diesel, Add	180.68
01 22 23 00-0243	MO 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	14,301.37
	For Equipment Without Operator, Deduct	-12,120.69
	For Propane Instead Of Gas Or Diesel, Add	436.14
01 22 23 00-0244	DAY 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	973.61
	For Equipment Without Operator, Deduct	-562.40
	For Propane Instead Of Gas Or Diesel, Add	82.24
01 22 23 00-0245	WK 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	3,821.34
	For Equipment Without Operator, Deduct	-2,812.00
	For Propane Instead Of Gas Or Diesel, Add	201.87
01 22 23 00-0246	MO 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	14,675.19
	For Equipment Without Operator, Deduct	-12,120.69
	For Propane Instead Of Gas Or Diesel, Add	510.90
01 22 23 00-0247	DAY 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,085.76
	For Equipment Without Operator, Deduct	-562.40
	For Propane Instead Of Gas Or Diesel, Add	104.67
01 22 23 00-0248	WK 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	4,002.03
	For Equipment Without Operator, Deduct	-2,812.00
	For Propane Instead Of Gas Or Diesel, Add	238.01
01 22 23 00-0249	MO 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	14,986.72
	For Equipment Without Operator, Deduct	-12,120.69
	For Propane Instead Of Gas Or Diesel, Add	573.21

01 22 23 00-0250	Chain Hoists <small>(01 22 23 00-0151)</small>	
	Note: Includes delivery to job site and pick-up when complete.	
01 22 23 00-0251	DAY 1 Ton, 20' Lift, Manual Chain Hoist	14.19
01 22 23 00-0252	WK 1 Ton, 20' Lift, Manual Chain Hoist	38.32
01 22 23 00-0253	MO 1 Ton, 20' Lift, Manual Chain Hoist	96.51
01 22 23 00-0254	DAY 3 Ton, 20' Lift, Manual Chain Hoist	31.22
01 22 23 00-0255	WK 3 Ton, 20' Lift, Manual Chain Hoist	75.22
01 22 23 00-0256	MO 3 Ton, 20' Lift, Manual Chain Hoist	187.33
01 22 23 00-0257	DAY 5 Ton, 20' Lift, Manual Chain Hoist	45.41
01 22 23 00-0258	WK 5 Ton, 20' Lift, Manual Chain Hoist	109.28
01 22 23 00-0259	MO 5 Ton, 20' Lift, Manual Chain Hoist	272.49
01 22 23 00-0260	DAY 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	90.83
01 22 23 00-0261	WK 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	218.56
01 22 23 00-0262	MO 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	544.97
01 22 23 00-0263	DAY 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	102.18
01 22 23 00-0264	WK 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	246.94
01 22 23 00-0265	MO 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	613.09
01 22 23 00-0266	DAY 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	127.73
01 22 23 00-0267	WK 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	307.97
01 22 23 00-0268	MO 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	766.37

01 22 23 00-0269	Roof Swing Hoist, Hand Powered, 300# <small>(01 22 23 00-0151)</small>	
01 22 23 00-0270	DAY Roof Swing Hoist, Hand Powered, 300#	50.18
01 22 23 00-0271	WK Roof Swing Hoist, Hand Powered, 300#	200.72
01 22 23 00-0272	MO Roof Swing Hoist, Hand Powered, 300#	602.16

01 22 23 00-0273 Pumping Equipment (01 22 23)

01 22 23 00-0274	Gas Powered Portable Centrifugal Pumps <small>(01 22 23 00-0273)</small>	
	Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-0298 for larger diameter pumps.	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0275 DAY 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	59.29	
01 22 23 00-0276 WK 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	133.41	
01 22 23 00-0277 MO 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	355.75	
01 22 23 00-0278 DAY 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	71.15	
01 22 23 00-0279 WK 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	160.09	
01 22 23 00-0280 MO 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	426.90	
01 22 23 00-0281 Gas Powered Portable Diaphragm Pumps (01 22 23 00-0273)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0282 DAY 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	68.19	
01 22 23 00-0283 WK 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	192.70	
01 22 23 00-0284 MO 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	489.16	
01 22 23 00-0285 DAY 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	83.01	
01 22 23 00-0286 WK 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	222.34	
01 22 23 00-0287 MO 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	629.98	
01 22 23 00-0288 Gas Powered Portable Trash Pumps (01 22 23 00-0273)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0289 DAY 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	85.97	
01 22 23 00-0290 WK 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	177.88	
01 22 23 00-0291 MO 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	533.63	
01 22 23 00-0292 DAY 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	85.97	
01 22 23 00-0293 WK 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	229.76	
01 22 23 00-0294 MO 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	629.98	
01 22 23 00-0295 DAY 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	136.37	
01 22 23 00-0296 WK 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	385.40	
01 22 23 00-0297 MO 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	1,119.14	
01 22 23 00-0298 Diesel Powered Portable Trash Pumps (01 22 23 00-0273)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0299 DAY 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	266.81	
01 22 23 00-0300 WK 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	726.33	
01 22 23 00-0301 MO 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	3,164.71	
01 22 23 00-0302 DAY 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	407.63	
01 22 23 00-0303 WK 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,067.26	
01 22 23 00-0304 MO 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	2,838.60	
01 22 23 00-0305 DAY 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	554.38	
01 22 23 00-0306 WK 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,483.78	
01 22 23 00-0307 MO 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	3,969.60	
01 22 23 00-0308 DAY 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	717.43	
01 22 23 00-0309 WK 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	1,832.12	
01 22 23 00-0310 MO 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	5,380.75	
01 22 23 00-0311 Diesel Powered Portable Silenced Environmental Trash Pumps (01 22 23 00-0273)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0312 DAY 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	380.95	
01 22 23 00-0313 WK 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	867.15	
01 22 23 00-0314 MO 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,703.72	
01 22 23 00-0315 DAY 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	466.92	
01 22 23 00-0316 WK 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,163.61	
01 22 23 00-0317 MO 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,164.71	
01 22 23 00-0318 DAY 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	563.27	
01 22 23 00-0319 WK 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,666.11	
01 22 23 00-0320 MO 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	4,647.01	
01 22 23 00-0321 DAY 510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	847.88	
01 22 23 00-0322 WK 510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,165.64	
01 22 23 00-0323 MO 510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	6,359.07	
01 22 23 00-0324 3 Phase Electric Submersible Pumps (01 22 23 00-0273)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0325 DAY 24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	148.23	
01 22 23 00-0326 WK 24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	370.58	
01 22 23 00-0327 MO 24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,111.72	
01 22 23 00-0328 DAY 49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	195.66	
01 22 23 00-0329 WK 49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	489.16	
01 22 23 00-0330 MO 49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	1,467.48	
01 22 23 00-0331 Suction Hose With Couplings (01 22 23 00-0273)		
Note: Includes delivery, set-up, and removal.		
01 22 23 00-0332 DAY 1-1/2" Inside Diameter, 20' Length, Suction Hose With Couplings	10.23	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0333	WK	1-1/2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	25.57
01 22 23 00-0334	MO	1-1/2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	63.07
01 22 23 00-0335	DAY	2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	11.93
01 22 23 00-0336	WK	2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	27.27
01 22 23 00-0337	MO	2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	66.48
01 22 23 00-0338	DAY	3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	25.57
01 22 23 00-0339	WK	3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	56.25
01 22 23 00-0340	MO	3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	151.71
01 22 23 00-0341	DAY	4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	32.39
01 22 23 00-0342	WK	4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	73.30
01 22 23 00-0343	MO	4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	196.03
01 22 23 00-0344	DAY	6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	42.62
01 22 23 00-0345	WK	6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	98.87
01 22 23 00-0346	MO	6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	223.31

01 22 23 00-0347 Discharge Hose With Couplings (01 22 23 00-0273)

Note: Includes delivery, set-up, and removal.

01 22 23 00-0348	DAY	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	14.82
01 22 23 00-0349	WK	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	31.13
01 22 23 00-0350	MO	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	66.70
01 22 23 00-0351	DAY	2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	23.72
01 22 23 00-0352	WK	2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	34.09
01 22 23 00-0353	MO	2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	71.15
01 22 23 00-0354	DAY	3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	23.72
01 22 23 00-0355	WK	3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	47.43
01 22 23 00-0356	MO	3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	93.38
01 22 23 00-0357	DAY	4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	32.61
01 22 23 00-0358	WK	4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	85.97
01 22 23 00-0359	MO	4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	173.43
01 22 23 00-0360	DAY	6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	65.22
01 22 23 00-0361	WK	6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	133.41
01 22 23 00-0362	MO	6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	281.64

01 22 23 00-0363 Hydraulic Submersible Pumps (01 22 23 00-0273)

01 22 23 00-0364 Hydraulic Submersible Pumps (01 22 23 00-0363)

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0365	DAY	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	97.83
01 22 23 00-0366	WK	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	262.37
01 22 23 00-0367	MO	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	733.74
01 22 23 00-0368	DAY	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	124.51
01 22 23 00-0369	WK	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	320.18
01 22 23 00-0370	MO	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	978.32

01 22 23 00-0371 Hydraulic Submersible Pump Diesel Power Packs (01 22 23 00-0363)

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0372	DAY	100 HP, Hydraulic Submersible Pump Diesel Power Pack	226.05
01 22 23 00-0373	WK	100 HP, Hydraulic Submersible Pump Diesel Power Pack.....	674.45
01 22 23 00-0374	MO	100 HP, Hydraulic Submersible Pump Diesel Power Pack	1,778.76

01 22 23 00-0375 HDPE Pipe With Couplings (01 22 23 00-0273)

Note: Includes delivery, set-up, and removal.

01 22 23 00-0376	DAY	4" x 20' HDPE Pipe With Couplings	5.00
01 22 23 00-0377	WK	4" x 20' HDPE Pipe With Couplings	12.00
01 22 23 00-0378	MON	4" x 20' HDPE Pipe With Couplings	37.00
01 22 23 00-0379	DAY	6" x 20' HDPE Pipe With Couplings	8.00
01 22 23 00-0380	WK	6" x 20' HDPE Pipe With Couplings	20.00
01 22 23 00-0381	MON	6" x 20' HDPE Pipe With Couplings	61.00
01 22 23 00-0382	DAY	8" x 20' HDPE Pipe With Couplings	13.00
01 22 23 00-0383	WK	8" x 20' HDPE Pipe With Couplings	34.00
01 22 23 00-0384	MON	8" x 20' HDPE Pipe With Couplings	101.00
01 22 23 00-0385	DAY	10" x 20' HDPE Pipe With Couplings	16.00
01 22 23 00-0386	WK	10" x 20' HDPE Pipe With Couplings	41.00
01 22 23 00-0387	MON	10" x 20' HDPE Pipe With Couplings	125.00
01 22 23 00-0388	DAY	12" x 10' HDPE Pipe With Couplings	12.00
01 22 23 00-0389	WK	12" x 10' HDPE Pipe With Couplings	33.00
01 22 23 00-0390	MON	12" x 10' HDPE Pipe With Couplings	100.00
01 22 23 00-0391	DAY	4" Elbow For HDPE Pipe, Quick Connect.....	12.00
01 22 23 00-0392	WK	4" Elbow For HDPE Pipe, Quick Connect.....	31.00
01 22 23 00-0393	MON	4" Elbow For HDPE Pipe, Quick Connect.....	92.00
01 22 23 00-0394	DAY	6" Elbow For HDPE Pipe, Quick Connect.....	14.00
01 22 23 00-0395	WK	6" Elbow For HDPE Pipe, Quick Connect.....	36.00
01 22 23 00-0396	MON	6" Elbow For HDPE Pipe, Quick Connect.....	110.00
01 22 23 00-0397	DAY	8" Elbow For HDPE Pipe, Quick Connect.....	16.00
01 22 23 00-0398	WK	8" Elbow For HDPE Pipe, Quick Connect.....	41.00
01 22 23 00-0399	MON	8" Elbow For HDPE Pipe, Quick Connect.....	125.00
01 22 23 00-0400	DAY	10" Elbow For HDPE Pipe, Quick Connect.....	20.00
01 22 23 00-0401	WK	10" Elbow For HDPE Pipe, Quick Connect.....	51.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0402 MON 10" Elbow For HDPE Pipe, Quick Connect.....	155.00	
01 22 23 00-0403 DAY 12" Elbow For HDPE Pipe, Quick Connect.....	20.00	
01 22 23 00-0404 WK 12" Elbow For HDPE Pipe, Quick Connect.....	51.00	
01 22 23 00-0405 MON 12" Elbow For HDPE Pipe, Quick Connect.....	155.00	
01 22 23 00-0406 DAY 4" Tee For HDPE Pipe, Quick Connect.....	12.00	
01 22 23 00-0407 WK 4" Tee For HDPE Pipe, Quick Connect.....	31.00	
01 22 23 00-0408 MON 4" Tee For HDPE Pipe, Quick Connect.....	92.00	
01 22 23 00-0409 DAY 6" Tee For HDPE Pipe, Quick Connect.....	16.00	
01 22 23 00-0410 WK 6" Tee For HDPE Pipe, Quick Connect.....	41.00	
01 22 23 00-0411 MON 6" Tee For HDPE Pipe, Quick Connect.....	125.00	
01 22 23 00-0412 DAY 8" Tee For HDPE Pipe, Quick Connect.....	20.00	
01 22 23 00-0413 WK 8" Tee For HDPE Pipe, Quick Connect.....	51.00	
01 22 23 00-0414 MON 8" Tee For HDPE Pipe, Quick Connect.....	155.00	
01 22 23 00-0415 DAY 10" Tee For HDPE Pipe, Quick Connect.....	24.00	
01 22 23 00-0416 WK 10" Tee For HDPE Pipe, Quick Connect.....	61.00	
01 22 23 00-0417 MON 10" Tee For HDPE Pipe, Quick Connect.....	185.00	
01 22 23 00-0418 DAY 12" Tee For HDPE Pipe, Quick Connect.....	24.00	
01 22 23 00-0419 WK 12" Tee For HDPE Pipe, Quick Connect.....	61.00	
01 22 23 00-0420 MON 12" Tee For HDPE Pipe, Quick Connect.....	185.00	
01 22 23 00-0421 DAY 4" Cap For HDPE Pipe, Quick Connect.....	2.00	
01 22 23 00-0422 WK 4" Cap For HDPE Pipe, Quick Connect.....	6.00	
01 22 23 00-0423 MON 4" Cap For HDPE Pipe, Quick Connect.....	18.00	
01 22 23 00-0424 DAY 6" Cap For HDPE Pipe, Quick Connect.....	2.00	
01 22 23 00-0425 WK 6" Cap For HDPE Pipe, Quick Connect.....	6.00	
01 22 23 00-0426 MON 6" Cap For HDPE Pipe, Quick Connect.....	18.00	
01 22 23 00-0427 DAY 8" Cap For HDPE Pipe, Quick Connect.....	2.00	
01 22 23 00-0428 WK 8" Cap For HDPE Pipe, Quick Connect.....	6.00	
01 22 23 00-0429 MON 8" Cap For HDPE Pipe, Quick Connect.....	18.00	
01 22 23 00-0430 DAY 10" Cap For HDPE Pipe, Quick Connect.....	2.00	
01 22 23 00-0431 WK 10" Cap For HDPE Pipe, Quick Connect.....	6.00	
01 22 23 00-0432 MON 10" Cap For HDPE Pipe, Quick Connect.....	18.00	
01 22 23 00-0433 DAY 12" Cap For HDPE Pipe, Quick Connect.....	2.00	
01 22 23 00-0434 WK 12" Cap For HDPE Pipe, Quick Connect.....	6.00	
01 22 23 00-0435 MON 12" Cap For HDPE Pipe, Quick Connect.....	18.00	
01 22 23 00-0436 DAY 4" Wye For HDPE Pipe, Quick Connect.....	6.00	
01 22 23 00-0437 WK 4" Wye For HDPE Pipe, Quick Connect.....	15.00	
01 22 23 00-0438 MON 4" Wye For HDPE Pipe, Quick Connect.....	46.00	
01 22 23 00-0439 DAY 6" Wye For HDPE Pipe, Quick Connect.....	7.00	
01 22 23 00-0440 WK 6" Wye For HDPE Pipe, Quick Connect.....	18.00	
01 22 23 00-0441 MON 6" Wye For HDPE Pipe, Quick Connect.....	55.00	
01 22 23 00-0442 DAY 8" Wye For HDPE Pipe, Quick Connect.....	12.00	
01 22 23 00-0443 WK 8" Wye For HDPE Pipe, Quick Connect.....	31.00	
01 22 23 00-0444 MON 8" Wye For HDPE Pipe, Quick Connect.....	92.00	
01 22 23 00-0445 DAY 10" Wye For HDPE Pipe, Quick Connect.....	18.00	
01 22 23 00-0446 WK 10" Wye For HDPE Pipe, Quick Connect.....	46.00	
01 22 23 00-0447 MON 10" Wye For HDPE Pipe, Quick Connect.....	140.00	
01 22 23 00-0448 DAY 12" Wye For HDPE Pipe, Quick Connect.....	18.00	
01 22 23 00-0449 WK 12" Wye For HDPE Pipe, Quick Connect.....	46.00	
01 22 23 00-0450 MON 12" Wye For HDPE Pipe, Quick Connect.....	140.00	
01 22 23 00-0451 Temporary Building Services (01 22 23)		
01 22 23 00-0452 Boilers (01 22 23 00-0451)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0453 Electric Boilers (01 22 23 00-0452)		
01 22 23 00-0454 MO 40 MBH, 12 KW Electric Boiler Rental.....	1,381.82	
01 22 23 00-0455 MO 60 MBH, 20 KW Electric Boiler Rental.....	1,507.46	
01 22 23 00-0456 MO 95 MBH, 30 KW Electric Boiler Rental.....	1,570.28	
01 22 23 00-0457 MO 135 MBH, 40 KW Electric Boiler Rental.....	1,758.68	
01 22 23 00-0458 MO 165 MBH, 50 KW Electric Boiler Rental.....	2,449.59	
01 22 23 00-0459 MO 215 MBH, 60 KW Electric Boiler Rental.....	2,826.46	
01 22 23 00-0460 MO 365 MBH, 100 KW Electric Boiler Rental.....	3,705.83	
01 22 23 00-0461 MO 510 MBH, 150 KW Electric Boiler Rental.....	4,522.37	
01 22 23 00-0462 Oil/Gas Fired Boilers (01 22 23 00-0462)		
01 22 23 00-0463 MO Up To 100 HP Gas/Oil Dual Fuel Boiler Rental.....	5,000.00	
For >3 Months Rental, Deduct		-750.00
01 22 23 00-0464 MO >100 HP To 250 HP Gas/Oil Dual Fuel Boiler Rental.....	6,500.00	
For >3 Months Rental, Deduct		-975.00
01 22 23 00-0465 MO >250 HP To 500 HP Gas/Oil Dual Fuel Boiler Rental.....	10,500.00	
For >3 Months Rental, Deduct		-1,575.00
01 22 23 00-0466 MO >500 HP To 800 HP Gas/Oil Dual Fuel Boiler Rental.....	14,500.00	
For >3 Months Rental, Deduct		-2,175.00
01 22 23 00-0467 Oil Fired Boilers (01 22 23 00-0467)		
01 22 23 00-0468 MO 250 HP Oil Fired Boiler Rental.....	3,880.85	
01 22 23 00-0469 MO 350 HP Oil Fired Boiler Rental.....	5,174.47	
01 22 23 00-0470 MO 500 HP Oil Fired Boiler Rental.....	6,468.09	

01	01	General Requirements
	01 20	Price And Payment Procedures
	01 22	Unit Prices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	01 22 23 00-0471	MO	600 HP Oil Fired Boiler Rental.....	7,114.89	
01 22 23 00-0472			Boilers Setup (01 22 23 00-0452)		
	01 22 23 00-0473	EA	Setup Rental Boiler..... Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	3,887.13	
01 22 23 00-0474			Chillers (01 22 23 00-0451) Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0475			Air Cooled Chillers (01 22 23 00-0474)		
	01 22 23 00-0476	MO	25 Ton Air Cooled Chiller Rental..... For >3 To 6 Month Rental, Deduct For >6 Month Rental, Deduct	2,357.06 -353.56 -589.27	
	01 22 23 00-0477	MO	40 Ton Air Cooled Chiller Rental..... For >3 To 6 Month Rental, Deduct For >6 Month Rental, Deduct	3,771.31 -565.70 -942.83	
	01 22 23 00-0478	MO	60 Ton Air Cooled Chiller Rental..... For >3 To 6 Month Rental, Deduct For >6 Month Rental, Deduct	4,612.73 -691.91 -1,153.18	
	01 22 23 00-0479	MO	80 Ton Air Cooled Chiller Rental..... For >3 To 6 Month Rental, Deduct For >6 Month Rental, Deduct	5,454.16 -818.12 -1,363.54	
	01 22 23 00-0480	MO	100 Ton Air Cooled Chiller Rental..... For >3 To 6 Month Rental, Deduct For >6 Month Rental, Deduct	6,295.59 -944.34 -1,573.90	
	01 22 23 00-0481	MO	125 Ton Air Cooled Chiller Rental..... For >3 To 6 Month Rental, Deduct For >6 Month Rental, Deduct	7,293.56 -1,094.03 -1,823.39	
	01 22 23 00-0482	MO	155 Ton Air Cooled Chiller Rental..... For >3 To 6 Month Rental, Deduct For >6 Month Rental, Deduct	8,823.42 -1,323.51 -2,205.86	
	01 22 23 00-0483	MO	170 Ton Air Cooled Chiller Rental..... For >3 To 6 Month Rental, Deduct For >6 Month Rental, Deduct	9,435.37 -1,415.31 -2,358.84	
	01 22 23 00-0484	MO	200 Ton Air Cooled Chiller Rental..... For >3 To 6 Month Rental, Deduct For >6 Month Rental, Deduct	10,838.94 -1,625.84 -2,709.74	
	01 22 23 00-0485	MO	250 Ton Air Cooled Chiller Rental..... For >3 To 6 Month Rental, Deduct For >6 Month Rental, Deduct	12,897.15 -1,934.57 -3,224.29	
	01 22 23 00-0486	MO	300 Ton Air Cooled Chiller Rental..... Note: Includes trailer. For >3 To 6 Month Rental, Deduct For >6 Month Rental, Deduct	15,049.64 -2,257.45 -3,762.41	
	01 22 23 00-0487	MO	400 Ton Air Cooled Chiller Rental..... Note: Includes trailer, pump and 200' of 6" hose. For >3 To 6 Month Rental, Deduct For >6 Month Rental, Deduct	19,852.72 -2,977.91 -4,963.18	
	01 22 23 00-0488	MO	500 Ton Air Cooled Chiller Rental..... Note: Includes trailer, pump and 200' of 6" hose. For >3 To 6 Month Rental, Deduct For >6 Month Rental, Deduct	24,573.96 -3,686.09 -6,143.49	
	01 22 23 00-0489	EA	Setup Air Cooled Chiller Rental Unit..... Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.	2,702.03	
01 22 23 00-0490			Chiller Rental Accessories (01 22 23 00-0474)		
	01 22 23 00-0491	MO	4" x 25' Flexible Water Hose For Chiller Rental.....	42.00	
	01 22 23 00-0492	MO	6" x 25' Flexible Water Hose For Chiller Rental.....	52.50	
01 22 23 00-0493			Emergency Cooler/Freezer (01 22 23 00-0451) Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115V or 230V, freezer 208/230V, combo 115V or 230V.		
	01 22 23 00-0494	DAY	8 x 6 x 7 Emergency Cooler Rental.....	90.00	
	01 22 23 00-0495	WK	8 x 6 x 7 Emergency Cooler Rental.....	480.00	
	01 22 23 00-0496	DAY	10 x 7 x 7 Emergency Cooler Rental.....	180.00	
	01 22 23 00-0497	WK	10 x 7 x 7 Emergency Cooler Rental.....	720.00	
	01 22 23 00-0498	MO	10 x 7 x 7 Emergency Cooler Rental.....	1,800.00	
	01 22 23 00-0499	DAY	10 x 7 x 7 Emergency Freezer Rental.....	210.00	
	01 22 23 00-0500	WK	10 x 7 x 7 Emergency Freezer Rental.....	840.00	
	01 22 23 00-0501	MO	10 x 7 x 7 Emergency Freezer Rental.....	2,160.00	
	01 22 23 00-0502	DAY	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental.....	240.00	
	01 22 23 00-0503	WK	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental.....	960.00	
	01 22 23 00-0504	MO	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental.....	2,400.00	
01 22 23 00-0505			Portable Spot Cooling Units (01 22 23 00-0451) Note: Includes delivery to job site, connection to existing system and pick-up when complete. Excludes operator.		
	01 22 23 00-0506	DAY	1 Ton Portable Spot Cooling Unit.....	125.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0507 WK 1 Ton Portable Spot Cooling Unit	275.00	
01 22 23 00-0508 MO 1 Ton Portable Spot Cooling Unit	550.00	
01 22 23 00-0509 DAY 2 Ton Portable Spot Cooling Unit	200.00	
01 22 23 00-0510 WK 2 Ton Portable Spot Cooling Unit	400.00	
01 22 23 00-0511 MO 2 Ton Portable Spot Cooling Unit	900.00	
01 22 23 00-0512 DAY 3 Ton Portable Spot Cooling Unit	300.00	
01 22 23 00-0513 WK 3 Ton Portable Spot Cooling Unit	600.00	
01 22 23 00-0514 MO 3 Ton Portable Spot Cooling Unit	1,200.00	
01 22 23 00-0515 DAY 5 Ton Portable Spot Cooling Unit	350.00	
01 22 23 00-0516 WK 5 Ton Portable Spot Cooling Unit	700.00	
01 22 23 00-0517 MO 5 Ton Portable Spot Cooling Unit	1,600.00	
01 22 23 00-0518 DAY 10 Ton Portable Spot Cooling Unit	750.00	
01 22 23 00-0519 WK 10 Ton Portable Spot Cooling Unit	1,200.00	
01 22 23 00-0520 MO 10 Ton Portable Spot Cooling Unit	2,400.00	
01 22 23 00-0521 DAY 20 Ton Portable Spot Cooling Unit	1,000.00	
01 22 23 00-0522 WK 20 Ton Portable Spot Cooling Unit	1,750.00	
01 22 23 00-0523 MO 20 Ton Portable Spot Cooling Unit	3,750.00	
01 22 23 00-0524 DAY 25 Ton Portable Spot Cooling Unit	800.00	
01 22 23 00-0525 WK 25 Ton Portable Spot Cooling Unit	1,700.00	
01 22 23 00-0526 MO 25 Ton Portable Spot Cooling Unit	4,000.00	

01 22 23 00-0527

Fuel Oil Tank (01 22 23 00-0451)

Note: Includes delivery to job site, connection to existing system and pick-up when complete. Excludes Off-road fuel costs.

01 22 23 00-0528 MO 100 Gallon Portable Double Wall Fuel Oil Tank Rental	425.29	
01 22 23 00-0529 MO 275 Gallon Portable Double Wall Fuel Oil Tank Rental	661.56	
01 22 23 00-0530 MO 500 Gallon Portable Double Wall Fuel Oil Tank Rental	1,653.91	
01 22 23 00-0531 MO 1,000 Gallon Portable Double Wall Fuel Oil Tank Rental	2,756.51	
01 22 23 00-0532 MO 2,300 Gallon Portable Double Wall Fuel Oil Tank Rental	3,638.60	
01 22 23 00-0533 MO 5,000 Gallon Portable Double Wall Fuel Oil Tank Rental	6,500.12	

01 30 Administrative Requirements (01)

01 32 Construction Progress Documentation (01 30)

01 32 33 Photographic Documentation (01 32)

01 32 33 00-0001

Photography (01 32 33)

Note: Excludes QC photographs. As requested by owner.

01 32 33 00-0002 EA 3-1/2" x 5" Color Print Photograph	1.58	
01 32 33 00-0003 EA 4" x 6" Color Print Photograph	2.11	
01 32 33 00-0004 EA 5" x 7" Color Print Photograph	4.29	
01 32 33 00-0005 EA 8" x 10" Color Print Photograph	7.14	

01 40 Quality Requirements (01)

01 45 Quality Control (01 40)

01 45 23 Testing And Inspecting Services (01 45)

Note: For application to existing materials/site conditions only. Includes acquisition and maintenance of sample (for laboratory tests) to include shipping as required, applicable equipment for field tests, and appropriate test reports.

01 45 23 00-0001

Soils/Aggregate Testing (01 45 23)

01 45 23 00-0002

Field Soils Tests (01 45 23 00-0001)

01 45 23 00-0003 EA Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	171.77	
01 45 23 00-0004 EA 4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	243.80	
01 45 23 00-0005 EA 6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	277.05	
01 45 23 00-0006 EA Resistance (R) Value Soils Test, CA 301, Field Soils Test	221.64	
01 45 23 00-0007 SET Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test	664.71	
01 45 23 00-0008 EA Moisture Content, Field Soils Test	24.93	
01 45 23 00-0009 EA UBC Or Swell Test, Field Soils Test	87.32	
01 45 23 00-0010 EA Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test	166.18	
01 45 23 00-0011 EA Proctor Compaction 6" Standard Mold, Field Soils Test	207.72	
01 45 23 00-0012 EA Density And Classification Test, Field Soils Test	66.47	
01 45 23 00-0013 EA Percolation Test, Field Soils Test	166.18	
01 45 23 00-0014 EA Infiltration Test, Field Soils Test	332.36	

01 45 23 00-0015

Soil Borings Laboratory Tests (01 45 23 00-0001)

01 45 23 00-0016 EA Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test	76.28	
01 45 23 00-0017 EA Shrinkage Limit, Soil Borings Laboratory Test	24.34	
01 45 23 00-0018 EA Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test	58.68	
01 45 23 00-0019 EA Consolidation, Soil Borings Laboratory Test	410.76	
01 45 23 00-0020 EA Swell Test, Soil Borings Laboratory Test	81.14	
01 45 23 00-0021 EA In Place Density, Soil Borings Laboratory Test	17.60	
01 45 23 00-0022 EA Moisture Content, ASTM D2216, Soil Borings Laboratory Test	10.94	
01 45 23 00-0023 EA Hydrometer Analysis, Soil Borings Laboratory Test	141.20	
01 45 23 00-0024 EA Specific Gravity, ASTM D854, Soil Borings Laboratory Test	49.24	

01 General Requirements**01 40 Quality Requirements****01 45 Quality Control**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0025 EA Partial Sieve Analysis, Soil Borings Laboratory Test	9.74	
01 45 23 00-0026 EA Laboratory Permeability, Soil Borings Laboratory Test.....	486.87	
01 45 23 00-0027 EA Sieve Analysis, ASTM D422, Soil Borings Laboratory Test.....	98.47	
01 45 23 00-0028 EA Sulfate Soundness, Soil Borings Laboratory Test.....	121.72	
01 45 23 00-0029 EA Los Angeles Abrasion, Soil Borings Laboratory Test.....	283.80	
01 45 23 00-0030 EA California Bearing Ratio, ASTM D1883.....	249.34	
01 45 23 00-0031 EA Compaction Test Subgrade, Soil Borings Laboratory Test	73.03	
01 45 23 00-0032 EA Compaction Test Base Course, Soil Borings Laboratory Test.....	61.79	
01 45 23 00-0033 EA In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test.....	240.14	
01 45 23 00-0034 EA Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test	37.33	
01 45 23 00-0035 Aggregate Testing (01 45 23 00-0001)		
01 45 23 00-0036 EA Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202	55.41	
01 45 23 00-0037 EA Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	99.74	
01 45 23 00-0038 EA Sieve Analysis, Pit Run, ASTM C136	108.02	
Note: Includes wash.		
01 45 23 00-0039 EA Specific Special Gravity, Course, ASTM C127	88.02	
Note: Includes absorption test.		
01 45 23 00-0040 EA Special Gravity, Fine, ASTM C127	78.93	
Note: Includes absorption test.		
01 45 23 00-0041 EA Aggregate Cleanness Value, ASTM C-128, CA 227	110.82	
01 45 23 00-0042 EA Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217	83.12	
01 45 23 00-0043 EA Fine Aggregate Durability Index, CA 229.....	88.66	
01 45 23 00-0044 EA Sodium And Magnesium Soundness, ASTM C88.....	232.65	
01 45 23 00-0045 EA Los Angeles Rattler, ASTM C-131, CA 211	177.31	
01 45 23 00-0046 EA Unit Weight Of Aggregates, ASTM C29	49.87	
01 45 23 00-0047 EA Organic Impurities In Sand, ASTM C40	49.85	
01 45 23 00-0048 EA Crushed Particle, ASTM California Test Method	49.85	
01 45 23 00-0049 EA Clay Lump And Friable Particles, ASTM C142	99.71	
01 45 23 00-0050 Permeability Tests (01 45 23 00-0001)		
01 45 23 00-0051 In-Place Tests (01 45 23 00-0050)		
01 45 23 00-0052 EA Double Ring Infiltrometer Test, ASTM D3385.....	880.20	
01 45 23 00-0053 EA Unconfined Compressive Strength (Pocket Penetrometer) Test	41.54	
01 45 23 00-0054 Lab Tests (01 45 23 00-0050)		
01 45 23 00-0055 EA Falling Head Rigid Wall Consolidometer Technique CAE.....	410.76	
01 45 23 00-0056 EA Falling Head Permeability Test EPA-9100.....	410.76	
01 45 23 00-0057 EA Constant Head Permeability Test For Granular Soils, ASTM D2432.....	234.72	
01 45 23 00-0058 Concrete/Cement/Asphalt Testing (01 45 23)		
01 45 23 00-0059 Concrete Testing (01 45 23 00-0058)		
01 45 23 00-0060 EA Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	14.49	
01 45 23 00-0061 EA 6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	35.21	
01 45 23 00-0062 EA Concrete Cores Compression Test, ASTM C-42	72.03	
01 45 23 00-0063 EA 6 x 6 x 18 Concrete Flexural Test, ASTM C-78	105.28	
01 45 23 00-0064 EA Unit Weight Of Concrete Cylinder, ASTM C-567	38.79	
01 45 23 00-0065 EA Concrete Mix Design Review	210.56	
01 45 23 00-0066 EA Trial Concrete Batch Prepared In Laboratory	498.69	
01 45 23 00-0067 EA Concrete Shrinkage, ASTM C-157 Modified	387.87	
01 45 23 00-0068 EA 6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496.....	59.84	
01 45 23 00-0069 EA Concrete Slump Test, ASTM C143.....	27.70	
01 45 23 00-0070 EA Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	27.70	
01 45 23 00-0071 Cement Testing (01 45 23 00-0058)		
01 45 23 00-0072 EA Cement Grab Sample (CCR Title 24)	27.70	
Note: Includes sealing and storing 1 year.		
01 45 23 00-0073 EA 2" x 2" x 2" Cube Compression Test, All Type Materials.....	44.33	
01 45 23 00-0074 Asphaltic Concrete Testing (01 45 23 00-0058)		
01 45 23 00-0075 EA Hveem Asphaltic Concrete Stability Test, CA 366	55.41	
01 45 23 00-0076 EA Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	144.07	
01 45 23 00-0077 EA Stability Tests, Premixed, ASTM D1559.....	55.41	
01 45 23 00-0078 EA Stability Tests, Lab. Mixed, ASTM D1559.....	144.07	
01 45 23 00-0079 EA Swell Test, CA 305	66.49	
Note: Includes compaction.		
01 45 23 00-0080 EA % Asphalt Extraction Test, ASTM D-2172 B.....	166.23	
01 45 23 00-0081 EA Maximum Theoretical Unit Weight, ASTM C2041.....	105.62	
01 45 23 00-0082 EA Unit Weight Sample Requiring Compaction, California Test Method 308.....	22.16	
01 45 23 00-0083 EA Asphalt Unit Weight On Core Test, CA 308C	22.16	
01 45 23 00-0084 HR Nuclear Field Density Testing, 4 Hour Minimum	114.14	
01 45 23 00-0085 EA Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664.....	74.78	
01 45 23 00-0086 EA Penetration, ASTM D5.....	80.05	



General Requirements			01
Quality Requirements			01 40
Quality Control			01 45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 45 23 00-0087			Masonry/Concrete Block/Tile Testing ^(01 45 23)		
01 45 23 00-0088			Masonry Testing ^(01 45 23 00-0087)		
01 45 23 00-0089	EA		2" x 4" Cylinder Mortar Compression Test.....	36.57	
01 45 23 00-0090	EA		4" x 4" x 8" Grout Prisms Compression Test.....	36.57	
01 45 23 00-0091	EA		Masonry Cores Compression Test	72.03	
01 45 23 00-0092	EA		Composite Grouted Prism Compression Test.....	138.52	
01 45 23 00-0093			Concrete Block Testing (ASTM C140 Or CMA Per Specimen) ^(01 45 23 00-0087)		
01 45 23 00-0094	EA		Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140.....	88.66	
01 45 23 00-0095	EA		Absorption Test, Moisture Content And Unit Weight.....	60.95	
01 45 23 00-0096	EA		Moisture Condition By Relative Humidity, ASTM C427, First Unit	232.65	
01 45 23 00-0097	EA		Moisture Condition By Relative Humidity, ASTM C427, Additional Unit	116.32	

01 50 Temporary Facilities And Controls ⁽⁰¹⁾

Note: Tasks in this section shall be used as directed by owner.

01 51 Temporary Utilities ^(01 50)

01 51 13 Temporary Electricity ^(01 51)

01 51 13 00-0001 Cord Grip Plug ^(01 51 13)

Note: Includes installation, a maximum of 50' of cord and connection to source.

01 51 13 00-0002	EA		Temporary 2 - Pole Cord Grip Plug With Installation	101.31	43.00
01 51 13 00-0003	EA		Temporary 3 - Pole Cord Grip Plug With Installation	149.51	66.14
01 51 13 00-0004	EA		Temporary 4 - Pole Cord Grip Plug With Installation	192.16	85.86
01 51 13 00-0005	EA		Temporary 3 - Pole (30 A) Cord Grip Plug With Installation	146.27	66.14
01 51 13 00-0006	EA		Temporary 4 - Pole (30 A) Cord Grip Plug With Installation	186.99	85.86
01 51 13 00-0007	EA		Temporary 3 - Pole (50 A) Cord Grip Plug With Installation	161.97	66.14

01 51 26 Temporary Lighting ^(01 51)

01 51 26 00-0001 Temporary Devices ^(01 51 26)

Note: Includes removal after use.

01 51 26 00-0002	EA		Temporary Exit Light.....	113.89	32.07
01 51 26 00-0003	EA		Temporary Light Socket With Branch Wiring Connection And Lamp.....	14.97	6.67
01 51 26 00-0004	EA		Temporary 10 Light String With Cages.....	41.24	15.07
01 51 26 00-0005	EA		Temporary GFI Device With Enclosure And Branch Wiring.....	122.05	43.00
01 51 26 00-0006	EA		Temporary Trailer Socket With Branch Wiring.....	46.75	15.57
01 51 26 00-0007	EA		Temporary High Bay Light.....	153.88	63.13

01 52 Construction Facilities ^(01 50)

Note: Tasks in this section shall be used as directed by owner for owner's use.

01 52 13 Field Offices And Sheds ^(01 52)

01 52 13 00-0001 Field Offices ^(01 52 13)

Note: Excludes furniture, utility connections and service. Minimum 6 months rental.

01 52 13 00-0002	MO		8' x 24' Office, With Toilet	102.72	
			For Each Delivery And Removal, Round Trip, Add	698.44	
			For Each Set-Up (Block And Level), Add	147.08	
			For Each Anchoring Into Dirt, Add	95.00	
			For Each Anchoring Into Asphalt Or Concrete, Add	142.49	
			For Office Trailer Without Toilet, Deduct	-20.54	
01 52 13 00-0003	MO		8' x 32' Office, With Toilet	116.42	
			For Each Delivery And Removal, Round Trip, Add	698.44	
			For Each Set-Up (Block And Level), Add	147.08	
			For Each Anchoring Into Dirt, Add	95.00	
			For Each Anchoring Into Asphalt Or Concrete, Add	142.49	
			For Office Trailer Without Toilet, Deduct	-23.28	
01 52 13 00-0004	MO		10' x 36' Office, With Toilet	157.51	
			For Each Delivery And Removal, Round Trip, Add	1,157.94	
			For Each Set-Up (Block And Level), Add	239.97	
			For Each Anchoring Into Dirt, Add	95.00	
			For Each Anchoring Into Asphalt Or Concrete, Add	142.49	
			For Office Trailer Without Toilet, Deduct	-31.50	
01 52 13 00-0005	MO		10' x 40' Office, With Toilet	167.78	
			For Each Delivery And Removal, Round Trip, Add	1,157.94	
			For Each Set-Up (Block And Level), Add	239.97	
			For Each Anchoring Into Dirt, Add	95.00	
			For Each Anchoring Into Asphalt Or Concrete, Add	142.49	
			For Office Trailer Without Toilet, Deduct	-33.56	
01 52 13 00-0006	MO		10' x 44' Office, With Toilet	184.90	
			For Each Delivery And Removal, Round Trip, Add	1,157.94	
			For Each Set-Up (Block And Level), Add	239.97	
			For Each Anchoring Into Dirt, Add	95.00	
			For Each Anchoring Into Asphalt Or Concrete, Add	142.49	

01	01	General Requirements
	01 50	Temporary Facilities And Controls
	01 52	Construction Facilities



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0007 MO 10' x 50' Office, With Toilet	195.17	
For Each Delivery And Removal, Round Trip, Add	1,157.94	
For Each Set-Up (Block And Level), Add	239.97	
For Each Anchoring Into Dirt, Add	95.00	
For Each Anchoring Into Asphalt Or Concrete, Add	142.49	
01 52 13 00-0008 MO 12' x 44' Office, With Toilet	208.63	
For Each Delivery And Removal, Round Trip, Add	1,157.94	
For Each Set-Up (Block And Level), Add	239.97	
For Each Anchoring Into Dirt, Add	95.00	
For Each Anchoring Into Asphalt Or Concrete, Add	142.49	
01 52 13 00-0009 MO 12' x 50' Office, With Toilet	229.41	
For Each Delivery And Removal, Round Trip, Add	1,157.94	
For Each Set-Up (Block And Level), Add	239.97	
For Each Anchoring Into Dirt, Add	95.00	
For Each Anchoring Into Asphalt Or Concrete, Add	142.49	
01 52 13 00-0010 MO 12' x 60' Office, With Toilet	249.96	
For Each Delivery And Removal, Round Trip, Add	1,157.94	
For Each Set-Up (Block And Level), Add	239.97	
For Each Anchoring Into Dirt, Add	95.00	
For Each Anchoring Into Asphalt Or Concrete, Add	142.49	
01 52 13 00-0011 MO 24' x 60' Office, With Toilet	547.85	
For Each Delivery And Removal, Round Trip, Add	2,205.60	
For Each Set-Up (Block And Level), Add	387.05	
For Each Anchoring Into Dirt, Add	95.00	
For Each Anchoring Into Asphalt Or Concrete, Add	142.49	
01 52 13 00-0012 MO 24' x 72' Office, With Toilet	657.42	
For Each Delivery And Removal, Round Trip, Add	2,205.60	
For Each Set-Up (Block And Level), Add	387.05	
For Each Anchoring Into Dirt, Add	95.00	
For Each Anchoring Into Asphalt Or Concrete, Add	142.49	
01 52 13 00-0013 MO 30' x 30' Office, With Toilet	312.45	
For Each Delivery And Removal, Round Trip, Add	2,205.60	
For Each Set-Up (Block And Level), Add	387.05	
For Each Anchoring Into Dirt, Add	95.00	
For Each Anchoring Into Asphalt Or Concrete, Add	142.49	
01 52 13 00-0014 Accessories For Field Office Trailers (01 52 13)		
Note: Costs includes installation or placement in trailer.		
01 52 13 00-0015 MO Desk For Field Office Trailer	28.59	
01 52 13 00-0016 MO Rolling Desk Chair For Field Office Trailer	17.87	
01 52 13 00-0017 MO File Cabinet For Field Office Trailer	21.44	
01 52 13 00-0018 MO Table For Field Office Trailer	14.29	
01 52 13 00-0019 MO Folding Chair For Field Office Trailer	6.77	
01 52 13 00-0020 EA Phone Hook-Up For Field Office Trailer	78.62	
01 52 13 00-0021 MO Local Phone Service Per Phone Line For Field Office Trailer	50.03	
01 52 13 00-0022 MO Security System With Monitoring For Field Office Trailer	80.00	
01 52 13 00-0023 LF Perimeter Trailer Skirting For Field Office Trailer	25.82	
01 52 13 00-0024 LF Insulated Perimeter Trailer Skirting For Field Office Trailer	46.94	
01 52 13 00-0025 MO Steps For Field Office Trailer	25.00	
01 52 13 00-0026 MO Fax Machine For Field Office Trailer	35.74	
01 52 13 00-0027 MO Copier For Field Office Trailer	57.18	
01 52 13 00-0028 Storage Containers (01 52 13)		
01 52 13 00-0029 MO 8' x 8' x 10' Storage Container	73.20	
For Delivery And Pick-up Of Container, Add	716.00	
For >12 Months, Deduct	-21.96	
01 52 13 00-0030 MO 8' x 8' x 20' Storage Container	76.53	
For Delivery And Pick-up Of Container, Add	716.00	
For >12 Months, Deduct	-22.96	
01 52 13 00-0031 MO 8' x 8' x 40' Storage Container	90.51	
For Delivery And Pick-up Of Container, Add	716.00	
For >12 Months, Deduct	-27.15	
01 52 19 Sanitary Facilities (01 52)		
01 52 19 00-0001 Portable Toilets (01 52 19)		
Note: Includes delivery, set-up, servicing once per week and removal.		
01 52 19 00-0002 WK Portable Toilets, Chemical	41.66	
For Each Additional Servicing Per Unit Per Week, Add	25.00	
01 52 19 00-0003 MO Portable Toilets, Chemical	124.99	
For Each Additional Servicing Per Unit Per Week, Add	25.00	
01 52 19 00-0004 WK ADA Portable Toilets, Chemical	49.69	
For Each Additional Servicing Per Unit Per Week, Add	25.00	
01 52 19 00-0005 MO ADA Portable Toilets, Chemical	145.82	
For Each Additional Servicing Per Unit Per Week, Add	25.00	
01 52 19 00-0006 WK Two Station Portable Handwash	27.39	
01 52 19 00-0007 MO Two Station Portable Handwash	83.09	
01 52 19 00-0008 MO Portable Toilets, Multi Trailer - 16'	2,509.00	
Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink)		
01 52 19 00-0009 WK Service Trailer Restrooms, 3 Times Per Week	1,880.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 54 Construction Aids (01 50)

01 54 23 Temporary Scaffolding And Platforms (01 54)

01 54 23 00-0001	Scaffolding <small>(01 54 23)</small>	
	Note: Additional scaffolding rental for work above the normal working height of 14'.	
01 54 23 00-0002	Scaffolding Rental - Rental Only <small>(01 54 23 00-0001)</small>	
	Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.	
01 54 23 00-0003	CCF Scaffolding With Bracing Accessories - Area Based On 5' Wide x 7' Long Sections (CCF / Month)	20.84
	<i>For Up To 25, Add</i>	8.34
	<i>For >25 To 50, Add</i>	5.21
	<i>For >50 To 150, Add</i>	2.08
01 54 23 00-0004	CCF Scaffolding With Bracing Accessories - Area Based On 4' Wide x 7' Long Sections (CCF / Month)	23.44
	<i>For Up To 25, Add</i>	9.38
	<i>For >25 To 50, Add</i>	5.86
	<i>For >50 To 150, Add</i>	2.34
01 54 23 00-0005	CCF Scaffolding With Bracing Accessories - Area Based On 3' Wide x 7' Long Sections (CCF / Month)	31.26
	<i>For Up To 25, Add</i>	12.50
	<i>For >25 To 50, Add</i>	7.82
	<i>For >50 To 150, Add</i>	3.13

01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only (01 54 23 00-0001)

	Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.	
01 54 23 00-0007	CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	28.24
01 54 23 00-0008	CCF >20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	35.31
01 54 23 00-0009	CCF >40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	42.37
01 54 23 00-0010	CCF >60' To 80' Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	46.60
01 54 23 00-0011	CCF >80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	53.66

01 54 23 00-0012 Rolling Scaffolding (01 54 23)

	Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.	
01 54 23 00-0013	DAY Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	10.15
01 54 23 00-0014	WK Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	40.69
01 54 23 00-0015	MO Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	162.74
01 54 23 00-0016	DAY Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	17.00
01 54 23 00-0017	WK Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	68.08
01 54 23 00-0018	MO Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	272.36
01 54 23 00-0019	EA Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold, >14' To 20'	65.48
01 54 23 00-0020	EA Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold, >20' To 40'	81.85

01 54 26 Temporary Swing Staging (01 54)

	Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.	
01 54 26 00-0001	Swing Stage <small>(01 54 26)</small>	
	Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.	
01 54 26 00-0002	MO 7' Swing Stage, Electric Operated	1,502.82
01 54 26 00-0003	MO 24' Swing Stage, Manually Operated	541.69
01 54 26 00-0004	EA Swing Stage Erection And Dismantling	313.23
	Note: Includes both erection and dismantling of swing stage.	
01 54 26 00-0005	EA Move Swing Stage To Different Roof At Same Site	143.03
01 54 26 00-0006	EA Move Swing Stage To Different Location At Same Roof	66.02

01 54 29 Temporary Sidewalk Protection (01 54)

01 54 29 00-0001	Sidewalk Bridge <small>(01 54 29)</small>	
01 54 29 00-0002	Installation of Sidewalk Bridge <small>(01 54 29 00-0001)</small>	
01 54 29 00-0003	LF Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	48.01
	Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	
	<i>For 3 Post System, Add</i>	6.00
	<i>For Each Additional Foot Over 8' Wide, Add</i>	3.00
	<i>For Each Additional Foot Over 8' High, Add</i>	2.00
01 54 29 00-0004	LF Installation of Netting for Sidewalk Bridge	2.31
01 54 29 00-0005	Monthly Rental of Sidewalk Bridge <small>(01 54 29 00-0001)</small>	
01 54 29 00-0006	LF Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	5.36
	Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
	<i>For 3 Post System, Add</i>	0.80

01	General Requirements
01 50	Temporary Facilities And Controls
01 54	Construction Aids



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 29 00-0007 LF Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	6.03	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	0.90	
01 54 29 00-0008 LF Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	6.70	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.01	
01 54 29 00-0009 LF Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	6.70	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.01	
01 54 29 00-0010 LF Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	7.37	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.11	
01 54 29 00-0011 LF Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	8.71	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.31	
01 54 29 00-0012 LF Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	8.04	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.21	
01 54 29 00-0013 LF Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	9.38	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.41	
01 54 29 00-0014 LF Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	10.05	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.51	
01 54 29 00-0015 LF Monthly Rental of Netting for Sidewalk Bridge.....	1.00	
01 54 29 00-0016 Removal of Sidewalk Bridge (01 54 29 00-0001)		
01 54 29 00-0017 LF Removal of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	18.81	
Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
For 3 Post System, Add	2.50	
For Each Additional Foot Over 8' Wide, Add	1.25	
For Each Additional Foot Over 8' High, Add	0.75	
01 54 29 00-0018 LF Removal of Netting for Sidewalk Bridge.....	1.15	
01 55 Vehicular Access And Parking (01 50)		
01 55 23 Temporary Roads (01 55)		
01 55 23 00-0001 Temporary Stabilized Construction Entrance (01 55 23)		
Note: As per Caltrans detail.		
01 55 23 00-0002 SF 3" To 4" Rock Temporary Stabilized Construction Entrance Assembly.....	2.41	
Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.		
01 55 23 00-0003 SF >4" To 6" Rock Temporary Stabilized Construction Entrance Assembly.....	2.99	
Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.		
01 55 23 00-0004 Rumble Trench Plate (01 55 23)		
01 55 23 00-0005 MO 8' x 10' Steel Rumble Trench Plate Rental.....	200.72	
01 55 23 00-0006 EA Place And Remove Rumble Plate.....	57.03	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
01 55 23 00-0007 EA Relocate And Adjust Location Of Rumble Plate.....	14.26	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
01 55 26 Traffic Control (01 55)		
01 55 26 00-0001 Removable Preformed Traffic Black Line Mask (01 55 26)		
Note: Includes installation and removal after use.		
01 55 26 00-0002 LF 6" Removable Traffic Black Line Mask.....	3.77	
01 55 26 00-0003 LF 8" Removable Traffic Black Line Mask.....	4.66	
01 55 26 00-0004 Temporary Preformed Traffic Line Tape (01 55 26)		
Note: Includes installation and removal after use.		
01 55 26 00-0005 LF 4" Reflective Removable Traffic Line Tape.....	2.81	
01 55 26 00-0006 LF 6" Reflective Removable Traffic Line Tape.....	3.78	
01 55 26 00-0007 LF 8" Reflective Removable Traffic Line Tape.....	4.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0008 Temporary Painted Traffic Lines <small>(01 55 26)</small> Note: Includes installation and removal after use.		
01 55 26 00-0009 LF 4" Temporary Painted Traffic Lines.....	2.34	
<i>For Not Removed, Deduct</i>		
	-1.97	
01 55 26 00-0010 LF 6" Temporary Painted Traffic Lines.....	3.13	
<i>For Not Removed, Deduct</i>		
	-2.66	
01 55 26 00-0011 LF 8" Temporary Painted Traffic Lines.....	3.95	
<i>For Not Removed, Deduct</i>		
	-3.38	
 01 55 26 00-0012 Pedestrian Traffic Control <small>(01 55 26)</small>		
01 55 26 00-0013 CLF 1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	9.46	
01 55 26 00-0014 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	13.13	
01 55 26 00-0015 CLF 3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow.....	6.33	
01 55 26 00-0016 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow.....	8.11	
01 55 26 00-0017 CLF 3", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent	9.34	
01 55 26 00-0018 CLF 6", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent	14.07	
01 55 26 00-0019 CLF 1" Exterior Vinyl Tape (Warning Tape)	12.15	
01 55 26 00-0020 CLF 2" Exterior Vinyl Tape (Warning Tape)	18.23	
01 55 26 00-0021 CLF 3" Exterior Vinyl Tape (Warning Tape)	24.34	
01 55 26 00-0022 CLF 4" Exterior Vinyl Tape (Warning Tape)	28.57	
 01 55 26 00-0023 Traffic Protection <small>(01 55 26)</small>		
01 55 26 00-0024 Portable Traffic Control Device Usage <small>(01 55 26 00-0023)</small> Note: Excludes placing and removing devices.		
01 55 26 00-0025 DAY 28" Cone With Reflective Collar.....	0.43	
01 55 26 00-0026 WK 28" Cone With Reflective Collar.....	1.29	
01 55 26 00-0027 MO 28" Cone With Reflective Collar.....	3.88	
01 55 26 00-0028 DAY Vertical Panel.....	1.30	
01 55 26 00-0029 WK Vertical Panel.....	3.90	
01 55 26 00-0030 MO Vertical Panel.....	11.71	
01 55 26 00-0031 DAY Channelizer Drum.....	1.41	
01 55 26 00-0032 WK Channelizer Drum.....	4.24	
01 55 26 00-0033 MO Channelizer Drum.....	12.72	
01 55 26 00-0034 DAY Stackable Channelizer Panel.....	0.67	
01 55 26 00-0035 WK Stackable Channelizer Panel.....	2.00	
01 55 26 00-0036 MO Stackable Channelizer Panel.....	6.01	
01 55 26 00-0037 DAY Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	0.93	
01 55 26 00-0038 WK Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	2.78	
01 55 26 00-0039 MO Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	8.33	
01 55 26 00-0040 DAY Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	2.05	
01 55 26 00-0041 WK Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	6.15	
01 55 26 00-0042 MO Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	18.46	
01 55 26 00-0043 DAY Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	2.34	
01 55 26 00-0044 WK Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	7.01	
01 55 26 00-0045 MO Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	21.04	
01 55 26 00-0046 DAY Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	4.28	
01 55 26 00-0047 WK Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	12.83	
01 55 26 00-0048 MO Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	38.48	
01 55 26 00-0049 DAY Up To 10' Wide A Frame Barricade	2.35	
01 55 26 00-0050 WK Up To 10' Wide A Frame Barricade	7.04	
01 55 26 00-0051 MO Up To 10' Wide A Frame Barricade	21.11	
01 55 26 00-0052 DAY Type A Or C Flasher.....	0.48	
01 55 26 00-0053 WK Type A Or C Flasher.....	1.43	
01 55 26 00-0054 MO Type A Or C Flasher.....	4.30	
01 55 26 00-0055 DAY Type B Flasher (High Intensity)	2.59	
01 55 26 00-0056 WK Type B Flasher (High Intensity)	7.78	
01 55 26 00-0057 MO Type B Flasher (High Intensity)	23.33	
 01 55 26 00-0058 Traffic Barriers Usage <small>(01 55 26 00-0023)</small> Note: Excludes placing and removing devices.		
01 55 26 00-0059 DAY 6' Long Portable Parking Curbs.....	1.12	
01 55 26 00-0060 WK 6' Long Portable Parking Curbs.....	3.35	
01 55 26 00-0061 MO 6' Long Portable Parking Curbs.....	10.05	
01 55 26 00-0062 DAY 6' Long Portable Speed Bumps	3.30	
01 55 26 00-0063 WK 6' Long Portable Speed Bumps	9.91	
01 55 26 00-0064 MO 6' Long Portable Speed Bumps	29.74	
01 55 26 00-0065 DAY Up To 12.5' Concrete Traffic Barrier	7.94	
01 55 26 00-0066 WK Up To 12.5' Concrete Traffic Barrier	23.82	
01 55 26 00-0067 MO Up To 12.5' Concrete Traffic Barrier	71.46	
01 55 26 00-0068 DAY >12.5' To 20' Concrete Traffic Barrier	15.88	
01 55 26 00-0069 WK >12.5' To 20' Concrete Traffic Barrier	47.64	
01 55 26 00-0070 MO >12.5' To 20' Concrete Traffic Barrier	142.92	
01 55 26 00-0071 DAY 6' x 32" Tall Plastic Water Barrier	9.48	
01 55 26 00-0072 WK 6' x 32" Tall Plastic Water Barrier	28.44	
01 55 26 00-0073 MO 6' x 32" Tall Plastic Water Barrier	85.33	
01 55 26 00-0074 DAY 6' x 46" Tall Plastic Water Barrier	13.54	
01 55 26 00-0075 WK 6' x 46" Tall Plastic Water Barrier	40.62	

01	General Requirements
01 50	Temporary Facilities And Controls
01 55	Vehicular Access And Parking



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0076	MO		6' x 46" Tall Plastic Water Barrier.....	121.85	
01 55 26 00-0077	DAY		Sand Filled Crash Attenuator Barrels.....	5.30	
01 55 26 00-0078	WK		Sand Filled Crash Attenuator Barrels.....	15.90	
01 55 26 00-0079	MO		Sand Filled Crash Attenuator Barrels.....	47.69	
01 55 26 00-0080			Portable Signs And Message Displays Usage (01 55 26 00-0023)		
			Note: Excludes placing and removing devices.		
01 55 26 00-0081	DAY		Mesh Or Vinyl Roll-up Sign With Stand.....	4.16	
01 55 26 00-0082	WK		Mesh Or Vinyl Roll-up Sign With Stand.....	12.48	
01 55 26 00-0083	MO		Mesh Or Vinyl Roll-up Sign With Stand.....	37.44	
01 55 26 00-0084	DAY		Aluminum Sign And Post.....	2.35	
01 55 26 00-0085	WK		Aluminum Sign And Post.....	7.06	
01 55 26 00-0086	MO		Aluminum Sign And Post.....	21.18	
01 55 26 00-0087	DAY		Aluminum Sign And A Frame Stand.....	3.15	
01 55 26 00-0088	WK		Aluminum Sign And A Frame Stand.....	9.44	
01 55 26 00-0089	MO		Aluminum Sign And A Frame Stand.....	28.31	
01 55 26 00-0090	DAY		Trailer Mounted Flashing Arrow Board.....	47.99	
01 55 26 00-0091	WK		Trailer Mounted Flashing Arrow Board.....	143.98	
01 55 26 00-0092	MO		Trailer Mounted Flashing Arrow Board.....	431.95	
01 55 26 00-0093	DAY		Trailer Mounted Portable Variable Message Sign (PVMS).....	183.00	
01 55 26 00-0094	WK		Trailer Mounted Portable Variable Message Sign (PVMS).....	549.00	
01 55 26 00-0095	MO		Trailer Mounted Portable Variable Message Sign (PVMS).....	1,647.00	
01 55 26 00-0096	DAY		Two Head, Trailer Mounted Traffic Signal (Set Of Two) Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	700.00	
01 55 26 00-0097	WK		Two Head, Trailer Mounted Traffic Signal (Set Of Two) Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	2,100.00	
01 55 26 00-0098	MO		Two Head, Trailer Mounted Traffic Signal (Set Of Two) Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	6,300.00	
01 55 26 00-0099			Place And Remove Traffic Protection Using Truck (01 55 26 00-0023)		
			Note: Includes delivery and return up to 15 miles.		
01 55 26 00-0100	EA		Place And Remove Up To 250 Cones Using Truck.....	2.80	
01 55 26 00-0101	EA		Place And Remove >250 Cones Using Truck.....	2.24	
01 55 26 00-0102	EA		Place And Remove Up To 250 Panels/Channelizers Using Truck.....	3.74	
01 55 26 00-0103	EA		Place And Remove >250 Panels/Channelizers Using Truck.....	2.99	
01 55 26 00-0104	EA		Place And Remove Up To 250 Barricades Using Truck.....	5.62	
01 55 26 00-0105	EA		Place And Remove >250 Barricades Using Truck.....	4.49	
01 55 26 00-0106	EA		Place And Remove Curbs/Speed Bumps Using Truck.....	5.62	
01 55 26 00-0107	EA		Place And Remove Portable Sign And Stand Using Truck.....	3.37	
01 55 26 00-0108	EA		Place And Remove Aluminum Sign And Post Using Truck.....	14.03	
01 55 26 00-0109	EA		Place And Remove Trailer Mounted Boards And Signals Using Truck.....	42.09	
01 55 26 00-0110	EA		Place And Remove Up To 12.5' Concrete Traffic Barrier..... Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	57.03	
			For 1 Barrier, Add	142.58	
			For 2 Barriers, Add	51.33	
			For 3 Barriers, Add	17.11	
01 55 26 00-0111	EA		Place And Remove >12.5' Concrete Traffic Barrier..... Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	85.53	
			For 1 Barrier, Add	213.83	
			For 2 Barriers, Add	76.98	
			For 3 Barriers, Add	25.66	
01 55 26 00-0112	EA		Place And Remove Plastic Water Barrier..... Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for Equipment Usage, 01 71 13 00-0000 for mobilization tasks.	30.02	
			For 1 Barrier, Add	71.28	
			For 2 Barriers, Add	25.66	
			For 3 Barriers, Add	8.55	
01 55 26 00-0113	EA		Place And Remove Crash Attenuator Barrels..... Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	42.77	
			For 1 Barrier, Add	106.93	
			For 2 Barriers, Add	38.49	
			For 3 Barriers, Add	12.83	
01 55 26 00-0114			Place And Remove Traffic Protection From Roadside (Daily) (01 55 26 00-0023)		
01 55 26 00-0115	EA		Place And Remove Up To 250 Cones By Hand From Roadside.....	1.40	
01 55 26 00-0116	EA		Place And Remove >250 Cones By Hand From Roadside.....	1.12	
01 55 26 00-0117	EA		Place And Remove Up To 250 Panels/Channelizers By Hand From Roadside.....	1.87	
01 55 26 00-0118	EA		Place And Remove >250 Panels/Channelizers By Hand From Roadside.....	1.49	
01 55 26 00-0119	EA		Place And Remove Up To 250 Barricades By Hand From Roadside.....	2.80	
01 55 26 00-0120	EA		Place And Remove >250 Barricades By Hand From Roadside.....	2.24	
01 55 26 00-0121	EA		Place And Remove Portable Sign And Stand From Roadside.....	1.70	
01 55 26 00-0122	EA		Place And Remove Trailer Mounted Boards And Signals From Roadside.....	21.04	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 55 26 00-0123 EA Roadside Relocation Of Concrete Traffic Barrier28.51
 Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.

01 56 Temporary Barriers And Enclosures (01 50)

Note: Includes removal after use.

01 56 16 Temporary Dust Barriers (01 56)

01 56 16 00-0001 Temporary Stud Wall (01 56 16)

01 56 16 00-0002 Temporary Stud Wall With Drywall (01 56 16 00-0001)

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.

01 56 16 00-0003 Temporary Stud Wall With Drywall (01 56 16 00-0002)

01 56 16 00-0004	SF	3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	3.44
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.22
01 56 16 00-0005	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	3.44
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.22
01 56 16 00-0006	SF	5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	3.52
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.22
01 56 16 00-0007	SF	3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	4.80
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.27
01 56 16 00-0008	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	4.80
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.27
01 56 16 00-0009	SF	5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	4.96
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.27

01 56 16 00-0010 Temporary Stud Wall With Fire Rated Drywall (01 56 16 00-0002)

01 56 16 00-0011	SF	1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	3.53
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.22
01 56 16 00-0012	SF	5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	3.56
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.22
01 56 16 00-0013	SF	5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	3.51
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.22
01 56 16 00-0014	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	4.14
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.22
01 56 16 00-0015	SF	1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	4.98
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.27
01 56 16 00-0016	SF	5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	5.04
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.27
01 56 16 00-0017	SF	5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	4.94
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.27
01 56 16 00-0018	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	6.20
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.27

01 56 16 00-0019 Temporary Stud Wall With Oriented Strand Board (OSB) (01 56 16 00-0001)

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.

01 56 16 00-0020	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	3.32
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.22
01 56 16 00-0021	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	3.35
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.22
01 56 16 00-0022	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	3.44
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.22
01 56 16 00-0023	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	3.50
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.22
01 56 16 00-0024	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	4.55
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.27
01 56 16 00-0025	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	4.62
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.27
01 56 16 00-0026	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	4.81
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.27
01 56 16 00-0027	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	4.91
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.27

01 56 16 00-0028 Temporary Stud Wall With BC Plywood (01 56 16 00-0001)

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.

01 56 16 00-0029	SF	3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	3.54
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.22
01 56 16 00-0030	SF	1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	3.67
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.22
01 56 16 00-0031	SF	5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	3.79
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.22
01 56 16 00-0032	SF	3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	3.89
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.22

01	General Requirements
01 50	Temporary Facilities And Controls
01 56	Temporary Barriers And Enclosures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0033	SF		3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	5.01	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.27	
01 56 16 00-0034	SF		1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	5.25	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.27	
01 56 16 00-0035	SF		5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	5.49	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.27	
01 56 16 00-0036	SF		3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	5.70	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.27	
01 56 16 00-0037			Temporary Stud Wall With Plastic Sheeting <small>(01 56 16 00-0001)</small>		
			Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheeting, and removal after use. Excludes paint.		
01 56 16 00-0038	SF		6 Mil Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	1.98	
01 56 16 00-0039			Temporary Doors <small>(01 56 16 00-0001)</small>		
			Note: For temporary stud walls. Includes removal after use.		
01 56 16 00-0040	EA		Temporary Metal Door And Frame	327.41	
			Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.		
01 56 16 00-0041			Temporary Floor Protection <small>(01 56 16)</small>		
01 56 16 00-0042	SF		Masonite For Temporary Floor Protection	1.06	
01 56 16 00-0043	SF		1/2" Plywood For Temporary Floor Protection	1.09	
01 56 16 00-0044	SF		3/4" Plywood For Temporary Floor Protection	1.34	
01 56 26			Temporary Fencing <small>(01 56)</small>		
01 56 26 00-0001			Temporary Fencing <small>(01 56 26)</small>		
			Note: Includes set-up and removal. Excludes auguring/drilling for posts.		
01 56 26 00-0002			Temporary Chain Link Fence <small>(01 56 26 00-0001)</small>		
			Note: Includes set-up and removal. Excludes auguring/drilling for posts.		
01 56 26 00-0003			Temporary Chain Link Fence, Up To 6 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0004	LF		Temporary 4' High Chain Link Fence And Posts, Up To 6 Months.....	3.15	
			<i>For >100 To 250, Deduct</i>	-0.16	
			<i>For >250 To 500, Deduct</i>	-0.32	
			<i>For >500, Deduct</i>	-0.47	
			<i>For Shade Cloth, Add</i>	1.60	
01 56 26 00-0005	LF		Temporary 6' High Chain Link Fence And Posts, Up To 6 Months.....	3.56	
			<i>For >100 To 250, Deduct</i>	-0.18	
			<i>For >250 To 500, Deduct</i>	-0.36	
			<i>For >500, Deduct</i>	-0.53	
			<i>For Shade Cloth, Add</i>	2.55	
01 56 26 00-0006	LF		Temporary 8' High Chain Link Fence And Posts, Up To 6 Months.....	6.01	
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.60	
			<i>For >500, Deduct</i>	-0.90	
			<i>For Shade Cloth, Add</i>	3.60	
01 56 26 00-0007	LF		Temporary 10' High Chain Link Fence And Posts, Up To 6 Months.....	17.88	
			<i>For >100 To 250, Deduct</i>	-0.89	
			<i>For >250 To 500, Deduct</i>	-1.79	
			<i>For >500, Deduct</i>	-2.68	
			<i>For Shade Cloth, Add</i>	4.75	
01 56 26 00-0008			Temporary Chain Link Fence, >6 To 12 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0009	LF		Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months.....	3.48	
			<i>For >100 To 250, Deduct</i>	-0.17	
			<i>For >250 To 500, Deduct</i>	-0.35	
			<i>For >500, Deduct</i>	-0.52	
			<i>For Shade Cloth, Add</i>	1.60	
01 56 26 00-0010	LF		Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months.....	3.91	
			<i>For >100 To 250, Deduct</i>	-0.20	
			<i>For >250 To 500, Deduct</i>	-0.39	
			<i>For >500, Deduct</i>	-0.59	
			<i>For Shade Cloth, Add</i>	2.55	
01 56 26 00-0011	LF		Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months.....	6.61	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-0.99	
			<i>For Shade Cloth, Add</i>	3.60	
01 56 26 00-0012	LF		Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months.....	19.66	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.95	
			<i>For Shade Cloth, Add</i>	4.75	
01 56 26 00-0013			Temporary Chain Link Fence, >12 To 18 Months <small>(01 56 26 00-0002)</small>		



General Requirements			01
Temporary Facilities And Controls			01 50
Temporary Barriers And Enclosures			01 56

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0014 LF Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months	3.83	
For >100 To 250, Deduct	-0.19	
For >250 To 500, Deduct	-0.38	
For >500, Deduct	-0.57	
For Shade Cloth, Add	1.60	
01 56 26 00-0015 LF Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months	4.31	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.43	
For >500, Deduct	-0.65	
For Shade Cloth, Add	2.55	
01 56 26 00-0016 LF Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months	7.28	
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.73	
For >500, Deduct	-1.09	
For Shade Cloth, Add	3.60	
01 56 26 00-0017 LF Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months	21.63	
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-2.16	
For >500, Deduct	-3.24	
For Shade Cloth, Add	4.75	
01 56 26 00-0018 Temporary Chain Link Fence, >18 Months (01 56 26 00-0002)		
01 56 26 00-0019 LF Temporary 4' High Chain Link Fence And Posts, >18 Months.....	4.21	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.42	
For >500, Deduct	-0.63	
For Shade Cloth, Add	1.60	
01 56 26 00-0020 LF Temporary 6' High Chain Link Fence And Posts, >18 Months.....	4.72	
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.47	
For >500, Deduct	-0.71	
For Shade Cloth, Add	2.55	
01 56 26 00-0021 LF Temporary 8' High Chain Link Fence And Posts, >18 Months.....	7.99	
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.80	
For >500, Deduct	-1.20	
For Shade Cloth, Add	3.60	
01 56 26 00-0022 LF Temporary 10' High Chain Link Fence And Posts, >18 Months.....	23.78	
For >100 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-2.38	
For >500, Deduct	-3.57	
For Shade Cloth, Add	4.75	
01 56 26 00-0023 Temporary Chain Link Fence Gates (01 56 26 00-0001)		
Note: Includes set-up and removal. Excludes auguring/drilling for posts.		
01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0023)		
01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0026 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	200.98	
For Shade Cloth, Add	15.01	
01 56 26 00-0027 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	312.64	
For Shade Cloth, Add	37.52	
01 56 26 00-0028 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	357.30	
For Shade Cloth, Add	45.02	
01 56 26 00-0029 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	401.96	
For Shade Cloth, Add	56.28	
01 56 26 00-0030 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	491.28	
For Shade Cloth, Add	75.03	
01 56 26 00-0031 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	535.97	
For Shade Cloth, Add	90.04	
01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0033 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	210.12	
For Shade Cloth, Add	23.92	
01 56 26 00-0034 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	326.84	
For Shade Cloth, Add	59.79	
01 56 26 00-0035 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	373.53	
For Shade Cloth, Add	71.75	
01 56 26 00-0036 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	420.25	
For Shade Cloth, Add	89.69	
01 56 26 00-0037 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	513.62	
For Shade Cloth, Add	119.58	
01 56 26 00-0038 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	560.31	
For Shade Cloth, Add	143.50	
01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0040 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	231.13	
For Shade Cloth, Add	33.77	
01 56 26 00-0041 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	359.54	
For Shade Cloth, Add	84.41	

01	General Requirements
01 50	Temporary Facilities And Controls
01 56	Temporary Barriers And Enclosures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0042	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	410.90	
			<i>For Shade Cloth, Add</i>	101.30	
01 56 26 00-0043	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	462.26	
			<i>For Shade Cloth, Add</i>	126.62	
01 56 26 00-0044	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	564.99	
			<i>For Shade Cloth, Add</i>	168.83	
01 56 26 00-0045	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	616.35	
			<i>For Shade Cloth, Add</i>	202.59	
01 56 26 00-0046			10' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0047	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	288.91	
			<i>For Shade Cloth, Add</i>	44.55	
01 56 26 00-0048	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	449.42	
			<i>For Shade Cloth, Add</i>	111.38	
01 56 26 00-0049	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	513.62	
			<i>For Shade Cloth, Add</i>	133.65	
01 56 26 00-0050	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	577.83	
			<i>For Shade Cloth, Add</i>	167.07	
01 56 26 00-0051	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	706.23	
			<i>For Shade Cloth, Add</i>	222.76	
01 56 26 00-0052	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	770.43	
			<i>For Shade Cloth, Add</i>	267.31	
01 56 26 00-0053			Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0023)		
01 56 26 00-0054			4' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0055	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	211.03	
			<i>For Shade Cloth, Add</i>	15.01	
01 56 26 00-0056	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	328.27	
			<i>For Shade Cloth, Add</i>	37.52	
01 56 26 00-0057	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	375.17	
			<i>For Shade Cloth, Add</i>	45.02	
01 56 26 00-0058	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	422.06	
			<i>For Shade Cloth, Add</i>	56.28	
01 56 26 00-0059	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	515.84	
			<i>For Shade Cloth, Add</i>	75.03	
01 56 26 00-0060	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	562.76	
			<i>For Shade Cloth, Add</i>	90.04	
01 56 26 00-0061			6' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0062	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	220.63	
			<i>For Shade Cloth, Add</i>	23.92	
01 56 26 00-0063	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	343.19	
			<i>For Shade Cloth, Add</i>	59.79	
01 56 26 00-0064	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	392.21	
			<i>For Shade Cloth, Add</i>	71.75	
01 56 26 00-0065	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	441.26	
			<i>For Shade Cloth, Add</i>	89.69	
01 56 26 00-0066	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	539.30	
			<i>For Shade Cloth, Add</i>	119.58	
01 56 26 00-0067	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	588.33	
			<i>For Shade Cloth, Add</i>	143.50	
01 56 26 00-0068			8' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0069	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	242.69	
			<i>For Shade Cloth, Add</i>	33.77	
01 56 26 00-0070	EA		10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	377.51	
			<i>For Shade Cloth, Add</i>	84.41	
01 56 26 00-0071	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	431.44	
			<i>For Shade Cloth, Add</i>	101.30	
01 56 26 00-0072	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	485.37	
			<i>For Shade Cloth, Add</i>	126.62	
01 56 26 00-0073	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	593.23	
			<i>For Shade Cloth, Add</i>	168.83	
01 56 26 00-0074	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	647.16	
			<i>For Shade Cloth, Add</i>	202.59	
01 56 26 00-0075			10' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0076	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	303.36	
			<i>For Shade Cloth, Add</i>	44.55	
01 56 26 00-0077	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	471.89	
			<i>For Shade Cloth, Add</i>	111.38	
01 56 26 00-0078	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	539.30	
			<i>For Shade Cloth, Add</i>	133.65	
01 56 26 00-0079	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	606.72	
			<i>For Shade Cloth, Add</i>	167.07	
01 56 26 00-0080	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	741.54	
			<i>For Shade Cloth, Add</i>	222.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0081 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	808.96 267.31	
01 56 26 00-0082 Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0023)		
01 56 26 00-0083 4' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0084 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	221.58 15.01	
01 56 26 00-0085 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	344.69 37.52	
01 56 26 00-0086 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	393.93 45.02	
01 56 26 00-0087 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	443.16 56.28	
01 56 26 00-0088 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	541.64 75.03	
01 56 26 00-0089 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	590.90 90.04	
01 56 26 00-0090 6' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0091 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	231.66 23.92	
01 56 26 00-0092 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	360.35 59.79	
01 56 26 00-0093 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	411.82 71.75	
01 56 26 00-0094 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	463.32 69.69	
01 56 26 00-0095 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	566.27 119.58	
01 56 26 00-0096 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	617.74 143.50	
01 56 26 00-0097 8' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0098 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	254.82 33.77	
01 56 26 00-0099 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	396.39 84.41	
01 56 26 00-0100 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	453.02 101.30	
01 56 26 00-0101 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	509.64 126.62	
01 56 26 00-0102 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	622.90 168.83	
01 56 26 00-0103 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	679.52 202.59	
01 56 26 00-0104 10' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0105 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	318.53 44.55	
01 56 26 00-0106 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	495.49 111.38	
01 56 26 00-0107 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	566.27 133.65	
01 56 26 00-0108 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	637.05 167.07	
01 56 26 00-0109 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	778.62 222.76	
01 56 26 00-0110 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	849.40 267.31	
01 56 26 00-0111 Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0023)		
01 56 26 00-0112 4' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0113 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	232.13 15.01	
01 56 26 00-0114 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	361.10 37.52	
01 56 26 00-0115 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	412.68 45.02	
01 56 26 00-0116 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	464.27 56.28	
01 56 26 00-0117 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	567.43 75.03	
01 56 26 00-0118 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	619.04 90.04	

01	General Requirements
01 50	Temporary Facilities And Controls
01 56	Temporary Barriers And Enclosures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0119 6' High, Temporary Chain Link Fence Gates, >18 Months <small>(01 56 26 00-0111)</small>		
01 56 26 00-0120 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	242.69	
For Shade Cloth, Add	23.92	
01 56 26 00-0121 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	377.50	
For Shade Cloth, Add	59.79	
01 56 26 00-0122 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	431.43	
For Shade Cloth, Add	71.75	
01 56 26 00-0123 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	485.38	
For Shade Cloth, Add	89.69	
01 56 26 00-0124 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	593.23	
For Shade Cloth, Add	119.58	
01 56 26 00-0125 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	647.16	
For Shade Cloth, Add	143.50	
01 56 26 00-0126 8' High, Temporary Chain Link Fence Gates, >18 Months <small>(01 56 26 00-0111)</small>		
01 56 26 00-0127 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	266.96	
For Shade Cloth, Add	33.77	
01 56 26 00-0128 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	415.26	
For Shade Cloth, Add	84.41	
01 56 26 00-0129 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	474.59	
For Shade Cloth, Add	101.30	
01 56 26 00-0130 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	533.91	
For Shade Cloth, Add	126.62	
01 56 26 00-0131 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	652.56	
For Shade Cloth, Add	168.83	
01 56 26 00-0132 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	711.88	
For Shade Cloth, Add	202.59	
01 56 26 00-0133 10' High, Temporary Chain Link Fence Gates, >18 Months <small>(01 56 26 00-0111)</small>		
01 56 26 00-0134 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	333.69	
For Shade Cloth, Add	44.55	
01 56 26 00-0135 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	519.08	
For Shade Cloth, Add	111.38	
01 56 26 00-0136 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	593.23	
For Shade Cloth, Add	133.65	
01 56 26 00-0137 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	667.39	
For Shade Cloth, Add	167.07	
01 56 26 00-0138 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	815.70	
For Shade Cloth, Add	222.76	
01 56 26 00-0139 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	889.85	
For Shade Cloth, Add	267.31	
01 56 26 00-0140 Temporary Chain Link Fence Panels (Portable) <small>(01 56 26 00-0001)</small>		
Note: Includes set-up and removal. Excludes sandbags.		
01 56 26 00-0141 Temporary Chain Link Fence Panels (Portable), Up To 6 Months <small>(01 56 26 00-0140)</small>		
01 56 26 00-0142 LF Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months.....	3.78	
For >100 To 250, Deduct	-0.19	
For >250 To 500, Deduct	-0.38	
For >500, Deduct	-0.57	
For Shade Cloth, Add	1.60	
01 56 26 00-0143 LF Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months.....	4.23	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.42	
For >500, Deduct	-0.63	
For Shade Cloth, Add	2.55	
01 56 26 00-0144 LF Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months.....	6.82	
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.68	
For >500, Deduct	-1.02	
For Shade Cloth, Add	3.60	
01 56 26 00-0145 Temporary Chain Link Fence Panels (Portable), >6 To 12 Months <small>(01 56 26 00-0140)</small>		
01 56 26 00-0146 LF Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	4.10	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.41	
For >500, Deduct	-0.62	
For Shade Cloth, Add	1.60	
01 56 26 00-0147 LF Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months	4.58	
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.46	
For >500, Deduct	-0.69	
For Shade Cloth, Add	2.55	
01 56 26 00-0148 LF Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	7.42	
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.74	
For >500, Deduct	-1.11	
For Shade Cloth, Add	3.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0149 Temporary Chain Link Fence Panels (Portable), >12 To 18 Months <small>(01 56 26 00-0140)</small>		
01 56 26 00-0150 LF Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	4.42	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.44	
For >500, Deduct	-0.66	
For Shade Cloth, Add	1.60	
01 56 26 00-0151 LF Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months	4.99	
For >100 To 250, Deduct	-0.25	
For >250 To 500, Deduct	-0.50	
For >500, Deduct	-0.75	
For Shade Cloth, Add	2.55	
01 56 26 00-0152 LF Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	8.09	
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.81	
For >500, Deduct	-1.21	
For Shade Cloth, Add	3.60	
01 56 26 00-0153 Temporary Chain Link Fence Panels (Portable), >18 Months <small>(01 56 26 00-0140)</small>		
01 56 26 00-0154 LF Temporary 4' High Chain Link Fence Panels (Portable), >18 Months	4.83	
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.48	
For >500, Deduct	-0.72	
For Shade Cloth, Add	1.60	
01 56 26 00-0155 LF Temporary 6' High Chain Link Fence Panels (Portable), >18 Months	5.39	
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.54	
For >500, Deduct	-0.81	
For Shade Cloth, Add	2.55	
01 56 26 00-0156 LF Temporary 8' High Chain Link Fence Panels (Portable), >18 Months	8.79	
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.88	
For >500, Deduct	-1.32	
For Shade Cloth, Add	3.60	
01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags <small>(01 56 26 00-0140)</small>		
01 56 26 00-0158 BAG Temporary Chain Link Fence Panels (Portable) Sandbag.....	4.15	
Note: Includes placement and removal.		
01 56 26 00-0159 Relocate Chain Link Fence, Gates And Panels <small>(01 56 26 00-0001)</small>		
Note: Excludes auguring/drilling for posts.		
01 56 26 00-0160 Relocate Temporary Chain Link Fence On Site <small>(01 56 26 00-0159)</small>		
01 56 26 00-0161 LF Relocate Temporary 4' High Chain Link Fence And Posts	1.91	
01 56 26 00-0162 LF Relocate Temporary 6' High Chain Link Fence And Posts	2.86	
01 56 26 00-0163 LF Relocate Temporary 8' High Chain Link Fence And Posts	4.13	
01 56 26 00-0164 LF Relocate Temporary 10' High Chain Link Fence And Posts	5.09	
01 56 26 00-0165 Relocate Temporary Chain Link Fence Panels On Site <small>(01 56 26 00-0159)</small>		
01 56 26 00-0166 LF Relocate Temporary 4' High Chain Link Fence Panel, Self Standing	0.52	
01 56 26 00-0167 LF Relocate Temporary 6' High Chain Link Fence Panel, Self Standing	0.63	
01 56 26 00-0168 LF Relocate Temporary 8' High Chain Link Fence Panel, Self Standing	0.70	
01 56 26 00-0169 Relocate Temporary Chain Link Gates On Site <small>(01 56 26 00-0159)</small>		
01 56 26 00-0170 EA Relocate Temporary 4' High Chain Link Vehicle Gate And Posts.....	68.10	
01 56 26 00-0171 EA Relocate Temporary 6' High Chain Link Vehicle Gate And Posts.....	78.58	
01 56 26 00-0172 EA Relocate Temporary 8' High Chain Link Vehicle Gate And Posts.....	96.92	
01 56 26 00-0173 EA Relocate Temporary 10' High Chain Link Vehicle Gate And Posts.....	104.78	
01 56 26 00-0174 Temporary Rail And Timber Structure <small>(01 56 26)</small>		
01 56 26 00-0175 LF 4' High Temporary Rail And Timber Structure	120.11	
Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps		
01 56 26 00-0176 LF 6' High Temporary Rail And Timber Structure	171.16	
Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps		
01 56 26 00-0177 LF 8' High Temporary Rail And Timber Structure	222.21	
Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps		
01 56 26 00-0178 LF 10' High Temporary Rail And Timber Structure	283.08	
Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps		
01 56 26 00-0179 LF 12' High Temporary Rail And Timber Structure	328.88	
Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps		

01	01	General Requirements
	01 50	Temporary Facilities And Controls
	01 56	Temporary Barriers And Enclosures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0180 LF 15' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	377.32	
01 56 26 00-0181 Temporary Safety Fence (01 56 26) Note: Includes removal after use.		
01 56 26 00-0182 LF 48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	2.06	
01 56 29 Temporary Protective Walkways (01 56)		
01 56 29 00-0001 Temporary Walkways And Railings (01 56 29)		
01 56 29 00-0002 LF Temporary Wooden Guardrail With Top-Rail With Two Side Rails On 36" High 2 x 4 Posts 18" On Center Attached To Walkway Note: Excludes walkway.	17.38	
01 56 29 00-0003 SF Temporary Walkway With 3/4" Plywood On 2 x 6 Stringers.....	3.97	
01 56 29 00-0004 RSR Temporary Stairs On 2 x 12 Stringers (Cost Per Riser).....	13.21	
01 56 29 00-0005 Safety Nets (01 56 29)		
01 56 29 00-0006 SF Small Mesh Debris Netting Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.	1.19	
01 56 33 Temporary Security Barriers (01 56)		
01 56 33 00-0001 Temporary Fiberglass Panels (01 56 33)		
01 56 33 00-0002 SF Prefabricated Fiberglass Panels	1.24	
01 56 33 00-0003 Temporary Safety Guardrail (01 56 33) Note: Includes removal after use.		
01 56 33 00-0004 LF 42" High, Wood Temporary Safety Guardrail..... Note: Includes 2" x 4" construction, top, middle and bottom horizontal rails, and post boots. <i>For Attachment To A Concrete Substrate, Add</i>	17.60	1.13
01 56 33 00-0005 Board-up Opening With Plywood (01 56 33) Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0006 OPN Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day.....	7.86	
01 56 33 00-0007 SF Board-up Opening With 5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners.....	4.44	
01 56 33 00-0008 SF Board-up Opening With 3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners.....	5.13	
01 56 33 00-0009 Street Barricade (01 56 33)		
01 56 33 00-0010 LF Temporary Street Barricade, Using 12" x 12" Beam As Base With 2" x 4" Top Warning Rail And Sides, Per Month.....	7.54	
01 56 39 Temporary Tree And Plant Protection (01 56)		
01 56 39 00-0001 Temporary Tree Guards (01 56 39) Note: Includes digging holes and removal.		
01 56 39 00-0002 EA Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	110.18	
01 56 39 00-0003 EA 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	129.61	
01 56 39 00-0004 EA 6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	140.64	
01 57 Temporary Controls (01 50)		
01 57 13 Temporary Erosion And Sediment Control (01 57) See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.		
01 57 23 Temporary Storm Water Pollution Control (01 57) See CSI section 31 25 00 00-0000 for temporary storm water pollution control.		
01 57 23 00-0001 Temporary Drain Guard (01 57 23) Note: Includes removal after use.		
01 57 23 00-0002 EA 36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227)	57.55	
01 57 23 00-0003 EA 36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217)	56.52	
01 57 23 00-0004 EA 36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219)	71.06	
01 57 23 00-0005 EA 60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356)	70.02	
01 57 23 00-0006 EA 60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358)	85.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 58 Project Identification (01 50)

Note: Includes removal after use.

01 58 13 Temporary Project Signage (01 58)

01 58 13 00-0001	Project Sign <small>(01 58 13)</small>		
01 58 13 00-0002	MDO Plywood Signs <small>(01 58 13 00-0001)</small> Note: Excludes posts.		
01 58 13 00-0003	Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0002)</small>		
01 58 13 00-0004	Engineer Grade, Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0003)</small>		
01 58 13 00-0005	EA Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign <i>For High-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	91.01 21.77 41.98	14.41
01 58 13 00-0006	EA >8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign <i>For High-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	154.51 43.53 83.96	15.06
01 58 13 00-0007	EA >16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign <i>For High-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	218.01 65.30 125.93	15.72
01 58 13 00-0008	EA >24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign <i>For High-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	281.52 87.07 167.92	16.38
01 58 13 00-0009	SF >32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign <i>For High-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	8.81 2.72 5.24	0.52
01 58 13 00-0010	Non-Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0002)</small>		
01 58 13 00-0011	One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0010)</small>		
01 58 13 00-0012	EA Up To 8 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	113.20	14.41
01 58 13 00-0013	EA >8 To 16 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	134.65	15.06
01 58 13 00-0014	EA >16 To 24 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	168.08	15.72
01 58 13 00-0015	EA >24 To 32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	199.65	16.38
01 58 13 00-0016	SF >32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign.....	6.26	0.52
01 58 13 00-0017	Full Color Design, Non-Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0010)</small>		
01 58 13 00-0018	EA Up To 8 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign.....	115.57	14.41
01 58 13 00-0019	EA >8 To 16 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	147.45	15.06
01 58 13 00-0020	EA >16 To 24 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	181.09	15.72
01 58 13 00-0021	EA >24 To 32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	210.80	16.38
01 58 13 00-0022	SF >32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	6.60	0.52
01 58 13 00-0023	Fabricate And Install New Posts <small>(01 58 13 00-0001)</small> Note: Includes excavation, backfill and compaction. Excludes core drilling.		
01 58 13 00-0024	LF Galvanized Metal Channel Sign Posts.....	9.17	
01 58 13 00-0025	LF 4" x 4" Pressure Treated Wood Sign Posts	6.53	
01 58 13 00-0026	LF 4" x 6" Pressure Treated Wood Sign Posts	7.99	
01 58 13 00-0027	Owner Supplied Signs <small>(01 58 13 00-0001)</small>		
01 58 13 00-0028	EA Installation And Removal Of Owner Supplied Project Sign.....	52.40	

01 60 Product Requirements (01)

01 66 Product Storage And Handling Requirements (01 60)

01 66 19 Material Handling (01 66)

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories with attic (2-1/2 stories) or less than 125'.

01 66 19 00-0001	Material Handling Between Floors <small>(01 66 19)</small>		
01 66 19 00-0002	CY Moving Material Via Stairs, Per CY Of Material Per Floor Note: Quantity equals material volume times number of floors traveled.	5.76	
01 66 19 00-0003	CY Moving Material Via Elevator, Per CY Of Material Note: Quantity equals material volume. If more than one elevator is used, the quantity is factored by the number of transfers.	3.45	
01 66 19 00-0004	Moving Furniture <small>(01 66 19)</small> Note: To be used when contractor is required to move furniture. Not to be used when the amount of furniture is less than 55% of the total floor space. Moving of furniture which occupies less than 55% of the total floor space is considered as part of the coefficient adjustment factor.		
01 66 19 00-0005	SF Removal, Transport, Return And Reinstallation Of Office Furniture Note: Includes general, desks, tables, file cabinets (full), chairs, storage boxes, bookshelves, office equipment and computers (per SF of office area). Not to be used when amount of furniture is less than 55% of total floor space.	0.65	

01	01	General Requirements
	01 60	Product Requirements
	01 66	Product Storage And Handling Requirements



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 66 19 00-0006 Material Handling For Distances Greater Than 125' (01 66 19)
 01 66 19 00-0007 CY Handling Material For Over 125' Per CY Of Material Per 125'2.73
 Note: For delivery, demolition or miscellaneous moving required by owner.

01 66 19 00-0008 Rubbish Handling Between Floors (01 66 19)
 Note: Only use with selective demolition tasks to transfer demolished material more than 2-1/2 stories.
 01 66 19 00-0009 CY Rubbish Handling Via Stairs, Per CY Of Material Per Floor.....5.24
 Note: Quantity equals material volume times bulk factor times number of floors traveled.
 01 66 19 00-0010 CY Rubbish Handling Via Elevator, Per CY Of Material3.14
 Note: Quantity equals material volume times bulk factor. If more than one elevator is used, the quantity is factored by the number of transfers.

01 70 Execution And Closeout Requirements (01)

01 71 Examination And Preparation (01 71)

01 71 13 Mobilization (01 71)

01 71 13 00-0001 Equipment Delivery, Pickup, Mobilization And Demobilization (01 71 13)
 Note: Excludes flagman for traffic control where necessary.
 01 71 13 00-0002 EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck201.32
 Note: Includes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom manlifts with up to 40' boom lengths, etc.
 01 71 13 00-0003 EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed.....402.63
 Note: Includes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom manlifts with >40' boom lengths, etc.

01 71 13 00-0004 Crane Delivery, Pickup, Mobilization And Demobilization (01 71 13)
 Note: Includes delivery of equipment, off loading on site and rigging. Return includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.
 01 71 13 00-0005 EA Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane.....260.40
 Note: Includes delivery and pickup.
For >30 To 60 Miles Radius, Add 65.10
For >60 To 100 Miles Radius, Add 104.16
 01 71 13 00-0006 EA 20 To 30 Ton Lift Move On/Off Cost, Hydraulic Crane.....374.98
 Note: Includes delivery and pickup.
For >30 To 60 Miles Radius, Add 93.75
For >60 To 100 Miles Radius, Add 149.99
 01 71 13 00-0007 EA 40 To 50 Ton Lift Move On/Off Cost, Hydraulic Crane.....499.97
 Note: Includes delivery and pickup.
For >30 To 60 Miles Radius, Add 124.99
For >60 To 100 Miles Radius, Add 199.99
 01 71 13 00-0008 EA 70 To 100 Ton Lift Move On/Off Cost, Hydraulic Crane.....812.45
 Note: Includes delivery and pickup.
For >30 To 60 Miles Radius, Add 203.11
For >60 To 100 Miles Radius, Add 324.98
 01 71 13 00-0009 EA 75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane641.63
 Note: Includes delivery and pickup.
For >30 To 60 Miles Radius, Add 160.41
For >60 To 100 Miles Radius, Add 256.65
 01 71 13 00-0010 EA 100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane1,041.60
 Note: Includes delivery and pickup.
For >30 To 60 Miles Radius, Add 260.40
For >60 To 100 Miles Radius, Add 416.64
 01 71 13 00-0011 EA 125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane1,291.58
 Note: Includes delivery and pickup.
For >30 To 60 Miles Radius, Add 322.90
For >60 To 100 Miles Radius, Add 516.63
 01 71 13 00-0012 EA 150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane1,604.06
 Note: Includes delivery and pickup.
For >30 To 60 Miles Radius, Add 401.02
For >60 To 100 Miles Radius, Add 641.62
 01 71 13 00-0013 EA 250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane2,916.48
 Note: Includes delivery and pickup.
For >30 To 60 Miles Radius, Add 729.12
For >60 To 100 Miles Radius, Add 1,166.59
 01 71 13 00-0014 EA 300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane4,166.40
 Note: Includes delivery and pickup.
For >30 To 60 Miles Radius, Add 1,041.60
For >60 To 100 Miles Radius, Add 1,666.56
 01 71 13 00-0015 EA 500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane6,249.60
 Note: Includes delivery and pickup.
For >30 To 60 Miles Radius, Add 1,562.40
For >60 To 100 Miles Radius, Add 2,499.84



General Requirements	01	5
Execution And Closeout Requirements	01 70	
Examination And Preparation	01 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 71 23 Field Engineering (01 71)

01 71 23 16 Construction Surveying (01 71 23)

01 71 23 16-0001 Conventional Topographic Survey (01 71 23 16)
 Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.

01 71 23 16-0002	ACR	Survey Clear Area With Few To No Obstacles	705.80
01 71 23 16-0003	ACR	Survey Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings)	2,008.66
01 71 23 16-0004	ACR	Survey Clear Area With Few Structures, And/Or Wooded (5-25% Buildings).....	2,882.49
01 71 23 16-0005	ACR	Survey Developed Areas With Several Structures (25-65% Buildings)	4,350.43
01 71 23 16-0006	ACR	Survey Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings).....	5,452.61

01 71 23 16-0007 Property Lines Survey (01 71 23 16)
 Note: Not to be added to tasks in the "Conventional Topographic Survey" section.

01 71 23 16-0008	LF	Survey Property Lines On Cleared Land	1.62
01 71 23 16-0009	LF	Survey Property Lines On Slightly Wooded Land	1.88
01 71 23 16-0010	LF	Survey Property Lines On Wooded Land	2.20

01 71 23 16-0011 Survey Monument (01 71 23 16)

01 71 23 16-0012	EA	3' Precast Survey Monument	113.52
		<i>For Owner Furnished Monument, Deduct</i>	-45.81
01 71 23 16-0013	EA	Precast Survey Monument Box With Cast Iron Frame And Cover.....	158.78
01 71 23 16-0014	EA	Riser Ring For Survey Monument.....	80.96
01 71 23 16-0015	EA	Adjust Survey Monument Cover To Grade	45.81

01 71 23 16-0016 Facade Surveying (01 71 23 16)

01 71 23 16-0017	LF	Facade Survey And Reports (LF Of Facade x Number Of Floors)	4.48
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01 71 36 Non-Destructive Concrete Examination (01 71)

01 71 36 00-0001 X-Ray And Electromagnetic Survey (01 71 36)
 Note: To locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR). Includes printed reports.

01 71 36 00-0002 X-Ray Or Electromagnetic Survey Minimum Set-Up Charge (01 71 36 00-0001)

01 71 36 00-0003	EA	X-Ray Or Electromagnetic Survey Minimum Set-Up Charge.....	473.04
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Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

01 71 36 00-0004 X-Ray Survey (01 71 36 00-0001)

01 71 36 00-0005	EA	X-Ray Survey Up To 2 SF Of Concrete, Masonry Or Asphalt	138.52
		<i>For >8 To 25, Deduct</i>	-31.25

01 71 36 00-0006 Electromagnetic (SIR/GPR) Survey (01 71 36 00-0001)

01 71 36 00-0007	EA	Electromagnetic (SIR/GPR) Survey Up To 4 SF Of Concrete, Masonry Or Asphalt.....	277.05
01 71 36 00-0008	EA	Electromagnetic (SIR/GPR) Survey >4 To 500 SF Of Concrete, Masonry Or Asphalt	554.10
01 71 36 00-0009	SF	Electromagnetic (SIR/GPR) Survey >500 SF Of Concrete, Masonry Or Asphalt	1.11

01 74 Cleaning And Waste Management (01 70)

01 74 13 Progress Cleaning (01 74)
 Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.

01 74 13 00-0001 General (01 74 13)

01 74 13 00-0002	CSF	Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent.....	13.11
01 74 13 00-0003	CY	Collect Existing Debris And Load Into Truck Or Dumpster	15.38

Note: Per CY of debris removed.

01 74 16 Site Maintenance (01 74)

01 74 16 00-0001 Parking Lot, Roads And Pathway Maintenance (01 74 16)
 Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Do not use these tasks in conjunction with related installation/demolition tasks in the Construction Task Catalog®.

01 74 16 00-0002 Parking Lot, Road, And Street Sweeping (01 74 16 00-0001)

01 74 16 00-0003	MSF	Sweep Parking Lot, With Street Sweeper.....	14.30
01 74 16 00-0004	MSF	Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads.....	17.16

01 74 16 00-0005 Runway Sweeping (01 74 16 00-0001)

01 74 16 00-0006	MSF	Sweep Runway, With Street Sweep	21.45
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01	01	General Requirements
	01 70	Execution And Closeout Requirements
	01 74	Cleaning And Waste Management



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 74 19 Construction Waste Management And Disposal (01 74)

Note: Tasks in this section shall be used as directed by owner.

01 74 19 00-0001	LF	24" Diameter, Steel Temporary Debris Chute.....	20.18
01 74 19 00-0002	LF	30" Diameter, Steel Temporary Debris Chute.....	30.78
01 74 19 00-0005	LF	24" Diameter, Plastic Temporary Debris Chute	7.99
		<i>For Steel Liner, Add</i>	1.59
01 74 19 00-0007	LF	30" Diameter, Plastic Temporary Debris Chute	9.16
		<i>For Steel Liner, Add</i>	1.82
01 74 19 00-0008	LF	36" Diameter, Plastic Temporary Debris Chute	10.33
		<i>For Steel Liner, Add</i>	2.06
01 74 19 00-0009	LF	4' x 4', Wood Temporary Debris Chute	15.99
		Note: Includes fabrication and installation.	
01 74 19 00-0011	EA	6 CY Dumpster "Construction Debris"	291.08
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
01 74 19 00-0013	EA	10 CY Dumpster "Construction Debris"	359.00
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
01 74 19 00-0014	EA	15 CY Dumpster "Construction Debris"	378.99
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
01 74 19 00-0015	EA	20 CY Dumpster "Construction Debris"	399.00
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
01 74 19 00-0016	EA	30 CY Dumpster "Construction Debris"	498.99
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
01 74 19 00-0017	EA	40 CY Dumpster "Construction Debris"	499.00
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
01 74 19 00-0018	EA	10 CY Low-Boy Dumpster "Concrete Or Asphalt Only"	499.00
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.	
01 74 19 00-0019	MO	Rampless Concrete Washout Bin	343.37
		Note: Includes delivery.	
01 74 19 00-0021	MO	Ramped Concrete Washout Bin.....	412.05
		Note: Includes delivery.	
01 74 19 00-0022	EA	Interim Vacuum Service, Concrete Washout Bin	310.98
		Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.	
01 74 19 00-0023	EA	Vacuum, Pickup, Swap And Dump, Concrete Washout Bin	673.79
		Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.	
01 74 19 00-0024		Debris Processing Fee (01 74 19)	
01 74 19 00-0025		Recycler Fees (01 74 19 00-0024)	
		Note: Does not apply with use of dumpsters. Excludes hauling.	
01 74 19 00-0026	CY	Drop-Off Asphalt At Recycling Center.....	21.34
01 74 19 00-0027	CY	Drop-Off Concrete At Recycling Center	10.67
01 74 19 00-0028		Landfill Dump Fees (01 74 19 00-0024)	
		Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling.	
01 74 19 00-0029	CY	Traditional Building Construction Materials Landfill Dump Fee.....	14.20
01 74 19 00-0030	CY	Trees, Stumps And Brush, Landfill Dump Fee.....	17.10
01 74 19 00-0031	CY	Rubbish Landfill Dump Fee.....	13.94
01 74 19 00-0032	CY	Hazardous Materials And Rubbish (Paint Cans, Etcetera) Landfill Dump Fee	40.77
01 74 19 00-0033	CY	Excavated Dirt Landfill Dump Fee.....	13.68



General Requirements	01	01
Execution And Closeout Requirements	01 70	
Cleaning And Waste Management	01 74	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0034 Hauling <small>(01 74 19)</small>		
<small>Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.</small>		
01 74 19 00-0035 CYM Hauling Up To 15 Miles	0.79	
01 74 19 00-0036 CYM Hauling, Miles Over Initial 15 Miles.....	0.59	
 01 74 23 Final Cleaning <small>(01 74)</small>		
01 74 23 00-0001 Glass <small>(01 74 23)</small>		
01 74 23 00-0002 CSF Clean Existing Glass Surfaces.....	17.59	

END OF SECTION 01

01	01	General Requirements
	01 70	Execution And Closeout Requirements
	01 74	Cleaning And Waste Management



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 Existing Conditions

02 20 Assessment ⁽⁰²⁾

02 25 Existing Material Assessment ^(02 20)

02 25 16 Existing Concrete, Masonry Or Asphalt Assessment ^(02 25)

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 40 Demolition And Structure Moving ⁽⁰²⁾

02 41 Demolition ^(02 40)

02 41 13 Selective Site Demolition ^(02 41)

02 41 13 13 Paving Removal ^(02 41 13)

Note: Includes break-up of material, loading into truck or dumpster and clean-up. Salvage tasks include placement on pallets and storage on site.

02 41 13 13-0001 By Machine, Break-up And Leave In Place Bituminous And Concrete Paving ^(02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0049 for saw cutting.

02 41 13 13-0002	SY Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	4.42	
	For >500 To 1,000, Deduct	-0.44	
	For >1,000 To 2,500, Deduct	-0.80	
	For >2,500 To 5,000, Deduct	-1.15	
	For >5,000 To 10,000, Deduct	-1.50	
	For >10,000, Deduct	-1.86	
02 41 13 13-0003	SY >3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	6.63	
	For >500 To 1,000, Deduct	-0.66	
	For >1,000 To 2,500, Deduct	-1.19	
	For >2,500 To 5,000, Deduct	-1.72	
	For >5,000 To 10,000, Deduct	-2.25	
	For >10,000, Deduct	-2.78	
02 41 13 13-0004	SY >6" To 8" By Machine, Break-up And Leave In Place Bituminous Paving	8.84	
	For >500 To 1,000, Deduct	-0.88	
	For >1,000 To 2,500, Deduct	-1.59	
	For >2,500 To 5,000, Deduct	-2.30	
	For >5,000 To 10,000, Deduct	-3.01	
	For >10,000, Deduct	-3.71	
02 41 13 13-0005	SY Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	7.93	
	For >500 To 1,000, Deduct	-0.79	
	For >1,000 To 2,500, Deduct	-1.43	
	For >2,500 To 5,000, Deduct	-2.06	
	For >5,000 To 10,000, Deduct	-2.70	
	For >10,000, Deduct	-3.33	
02 41 13 13-0006	SY >3" To 6" By Machine, Break-up And Leave In Place Concrete Paving	11.20	
	For >500 To 1,000, Deduct	-1.12	
	For >1,000 To 2,500, Deduct	-2.02	
	For >2,500 To 5,000, Deduct	-2.91	
	For >5,000 To 10,000, Deduct	-3.81	
	For >10,000, Deduct	-4.70	
02 41 13 13-0007	SY >6" To 9" By Machine, Break-up And Leave In Place Concrete Paving	15.86	
	For >500 To 1,000, Deduct	-1.59	
	For >1,000 To 2,500, Deduct	-2.85	
	For >2,500 To 5,000, Deduct	-4.12	
	For >5,000 To 10,000, Deduct	-5.39	
	For >10,000, Deduct	-6.66	
02 41 13 13-0008	SY >9" To 14" By Machine, Break-up And Leave In Place Concrete Paving	22.39	
	For >500 To 1,000, Deduct	-2.24	
	For >1,000 To 2,500, Deduct	-4.03	
	For >2,500 To 5,000, Deduct	-5.82	
	For >5,000 To 10,000, Deduct	-7.61	
	For >10,000, Deduct	-9.40	
02 41 13 13-0009	SY >14" To 19" By Machine, Break-up And Leave In Place Concrete Paving	29.28	
	For >500 To 1,000, Deduct	-2.93	
	For >1,000 To 2,500, Deduct	-5.27	
	For >2,500 To 5,000, Deduct	-7.61	
	For >5,000 To 10,000, Deduct	-9.96	
	For >10,000, Deduct	-12.30	
02 41 13 13-0010	SY >19" To 24" By Machine, Break-up And Leave In Place Concrete Paving	38.06	
	For >500 To 1,000, Deduct	-3.81	
	For >1,000 To 2,500, Deduct	-6.85	
	For >2,500 To 5,000, Deduct	-9.90	
	For >5,000 To 10,000, Deduct	-12.94	
	For >10,000, Deduct	-15.99	

02	Existing Conditions
02 40	Demolition And Structure Moving
02 41	Demolition



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 13 13-0011	By Hand, Break-up And Leave In Place Bituminous And Concrete Paving ^(02 41 13 13)	
	Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0036 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0049 for saw cutting.	
02 41 13 13-0012	SF Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	1.09
02 41 13 13-0013	SF >3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	1.38
02 41 13 13-0014	SF >6" To 8" By Hand, Break-up And Leave In Place Bituminous Paving	1.82
02 41 13 13-0015	SF Up To 3" By Hand, Break-up And Leave In Place Concrete Paving	1.36
02 41 13 13-0016	SF >3" To 6" By Hand, Break-up And Leave In Place Concrete Paving	1.72
02 41 13 13-0017	SF Break-Up >6" To 8" Concrete Paving By Hand With Material Left In Place After Break-up	2.28
02 41 13 13-0018	By Machine, Break-up And Remove Bituminous And Concrete Paving ^(02 41 13 13)	
	Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting. See CSI section 02 41 19 13-0049 for saw cutting.	
02 41 13 13-0019	SY Up To 3" By Machine, Break-up And Remove Bituminous Paving	8.85
	For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	2.66
	Note: (Around Existing Structures And Obstructions), Add	
	For Elevated Slab, Add	4.43
	For >500 To 1,000, Deduct	-0.89
	For >1,000 To 2,500, Deduct	-1.59
	For >2,500 To 5,000, Deduct	-2.30
	For >5,000 To 10,000, Deduct	-3.01
	For >10,000, Deduct	-3.72
02 41 13 13-0020	SY >3" To 6" By Machine, Break-up And Remove Bituminous Paving.....	12.08
	For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	3.62
	Note: (Around Existing Structures And Obstructions), Add	
	For Elevated Slab, Add	6.04
	For >500 To 1,000, Deduct	-1.21
	For >1,000 To 2,500, Deduct	-2.17
	For >2,500 To 5,000, Deduct	-3.14
	For >5,000 To 10,000, Deduct	-4.11
	For >10,000, Deduct	-5.07
02 41 13 13-0021	SY >6" To 9" By Machine, Break-up And Remove Bituminous Paving.....	16.77
	For Elevated Slab, Add	8.39
	For >500 To 1,000, Deduct	-1.68
	For >1,000 To 2,500, Deduct	-3.02
	For >2,500 To 5,000, Deduct	-4.36
	For >5,000 To 10,000, Deduct	-5.70
	For >10,000, Deduct	-7.04
02 41 13 13-0022	SY >9" To 12" By Machine, Break-up And Remove Bituminous Paving.....	21.88
	For Elevated Slab, Add	10.94
	For >500 To 1,000, Deduct	-2.19
	For >1,000 To 2,500, Deduct	-3.94
	For >2,500 To 5,000, Deduct	-5.69
	For >5,000 To 10,000, Deduct	-7.44
	For >10,000, Deduct	-9.19
02 41 13 13-0023	SY >12" To 15" By Machine, Break-up And Remove Bituminous Paving.....	30.45
	For Elevated Slab, Add	15.23
	For >500 To 1,000, Deduct	-3.05
	For >1,000 To 2,500, Deduct	-5.48
	For >2,500 To 5,000, Deduct	-7.92
	For >5,000 To 10,000, Deduct	-10.35
	For >10,000, Deduct	-12.79
02 41 13 13-0024	SY >15" To 18" By Machine, Break-up And Remove Bituminous Paving.....	41.87
	For Elevated Slab, Add	20.94
	For >500 To 1,000, Deduct	-4.19
	For >1,000 To 2,500, Deduct	-7.54
	For >2,500 To 5,000, Deduct	-10.89
	For >5,000 To 10,000, Deduct	-14.24
	For >10,000, Deduct	-17.59
02 41 13 13-0025	SY Up To 3" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	10.18
	For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	3.05
	Note: (Around Existing Structures And Obstructions), Add	
	For Elevated Slab, Add	5.09
	For >500 To 1,000, Deduct	-1.02
	For >1,000 To 2,500, Deduct	-1.83
	For >2,500 To 5,000, Deduct	-2.65
	For >5,000 To 10,000, Deduct	-3.46
	For >10,000, Deduct	-4.28
02 41 13 13-0026	SY >3" To 6" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	13.32
	For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	4.00
	Note: (Around Existing Structures And Obstructions), Add	
	For Elevated Slab, Add	6.66
	For >500 To 1,000, Deduct	-1.33
	For >1,000 To 2,500, Deduct	-2.40
	For >2,500 To 5,000, Deduct	-3.46
	For >5,000 To 10,000, Deduct	-4.53
	For >10,000, Deduct	-5.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0027 SY Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	13.51	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	4.05	
Note: (Around Existing Structures And Obstructions), Add		
For Elevated Slab, Add	6.76	
For >500 To 1,000, Deduct	-1.35	
For >1,000 To 2,500, Deduct	-2.43	
For >2,500 To 5,000, Deduct	-3.51	
For >5,000 To 10,000, Deduct	-4.59	
For >10,000, Deduct	-5.67	
02 41 13 13-0028 SY >3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	17.51	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	5.25	
Note: (Around Existing Structures And Obstructions), Add		
For Elevated Slab, Add	8.76	
For >500 To 1,000, Deduct	-1.75	
For >1,000 To 2,500, Deduct	-3.15	
For >2,500 To 5,000, Deduct	-4.55	
For >5,000 To 10,000, Deduct	-5.95	
For >10,000, Deduct	-7.35	
02 41 13 13-0029 SY >6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	29.02	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	8.71	
Note: (Around Existing Structures And Obstructions), Add		
For Elevated Slab, Add	14.51	
For >500 To 1,000, Deduct	-2.90	
For >1,000 To 2,500, Deduct	-5.22	
For >2,500 To 5,000, Deduct	-7.55	
For >5,000 To 10,000, Deduct	-9.87	
For >10,000, Deduct	-12.19	
02 41 13 13-0030 SY Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	14.66	
For Elevated Slab, Add	7.33	
For >500 To 1,000, Deduct	-1.47	
For >1,000 To 2,500, Deduct	-2.64	
For >2,500 To 5,000, Deduct	-3.81	
For >5,000 To 10,000, Deduct	-4.98	
For >10,000, Deduct	-6.16	
02 41 13 13-0031 SY >3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	18.84	
For Elevated Slab, Add	9.42	
For >500 To 1,000, Deduct	-1.88	
For >1,000 To 2,500, Deduct	-3.39	
For >2,500 To 5,000, Deduct	-4.90	
For >5,000 To 10,000, Deduct	-6.41	
For >10,000, Deduct	-7.91	
02 41 13 13-0032 SY >6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	33.69	
For Elevated Slab, Add	16.85	
For >500 To 1,000, Deduct	-3.37	
For >1,000 To 2,500, Deduct	-6.06	
For >2,500 To 5,000, Deduct	-8.76	
For >5,000 To 10,000, Deduct	-11.45	
For >10,000, Deduct	-14.15	
02 41 13 13-0033 SY >9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	43.97	
For Elevated Slab, Add	21.99	
For >500 To 1,000, Deduct	-4.40	
For >1,000 To 2,500, Deduct	-7.91	
For >2,500 To 5,000, Deduct	-11.43	
For >5,000 To 10,000, Deduct	-14.95	
For >10,000, Deduct	-18.47	
02 41 13 13-0034 SY >14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	57.48	
For Elevated Slab, Add	28.74	
For >500 To 1,000, Deduct	-5.75	
For >1,000 To 2,500, Deduct	-10.35	
For >2,500 To 5,000, Deduct	-14.94	
For >5,000 To 10,000, Deduct	-19.54	
For >10,000, Deduct	-24.14	
02 41 13 13-0035 SY >19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	69.75	
For Elevated Slab, Add	34.88	
For >500 To 1,000, Deduct	-6.98	
For >1,000 To 2,500, Deduct	-12.56	
For >2,500 To 5,000, Deduct	-18.14	
For >5,000 To 10,000, Deduct	-23.72	
For >10,000, Deduct	-29.30	
02 41 13 13-0036 By Hand, Break-up And Remove Bituminous And Concrete Paving (02 41 13 13)		
Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0049 for saw cutting.		
02 41 13 13-0037 SF Up To 3" By Hand, Break-up And Remove Bituminous Paving	2.42	
02 41 13 13-0038 SF >3" To 6" By Hand, Break-up And Remove Bituminous Paving	3.19	
02 41 13 13-0039 SF >6" To 8" By Hand, Break-up And Remove Bituminous Paving	4.14	
02 41 13 13-0040 SF Up To 3" By Hand, Break-up And Remove Concrete Paving	3.02	
02 41 13 13-0041 SF >3" To 6" By Hand, Break-up And Remove Concrete Paving.....	4.18	
02 41 13 13-0042 SF >6" To 8" By Hand, Break-up And Remove Concrete Paving.....	5.35	

02 41 13 13-0043 Grind Concrete (02 41 13 13)

02	Existing Conditions
02 40	Demolition And Structure Moving
02 41	Demolition



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 13 13-0044	EA	Grind Existing Sidewalks Up To 1/2" Depth To Remove Ridges (Tripping Hazard).....	117.60
		Note: For each location up to 5' wide, feather up to 12" each direction.	
		For >1/2" To 1" Depth Of Grinding, Add	17.64
		For >1" To 1-1/2" Depth Of Grinding, Add	29.40
		For Up To 5, Add	23.52
		For >5 To 10, Add	11.76
		For >10 To 25, Deduct	-11.76
		For >25 To 50, Deduct	-17.64
		For >50 To 250, Deduct	-23.52
		For Sidewalks >5', Add	11.76
		For Up To 12" Additional Feathering Per Side, Add	11.76

02 41 16 Structure Demolition (02 41)

02 41 16 13 Building Demolition (02 41 16)

02 41 16 13-0001 Building Interior Demolition (02 41 16 13)

Note: Gutted and placed in truck or dumpsters. Based on overall floor area including space under demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminants or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panelboards. Excludes hauling, dump fees, recycling charges, and/or salvage value.

02 41 16 13-0002	GSF	Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	4.76
02 41 16 13-0003	GSF	Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	7.20
02 41 16 13-0004	GSF	>2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	5.89
02 41 16 13-0005	GSF	>10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	5.24

02 41 16 13-0006 Foundation Demolition (02 41 16 13)

Note: Excludes earthwork.

02 41 16 13-0007 Concrete Foundation Demolition (02 41 16 13-0006)

02 41 16 13-0008	CF	Non Reinforced Concrete Foundation Demolition.....	9.10
02 41 16 13-0009	SF	4" Thick Non Reinforced Concrete Foundation Wall Demolition.....	3.90
02 41 16 13-0010	SF	6" Thick Non Reinforced Concrete Foundation Wall Demolition.....	5.20
02 41 16 13-0011	SF	8" Thick Non Reinforced Concrete Foundation Wall Demolition.....	6.49
02 41 16 13-0012	SF	10" Thick Non Reinforced Concrete Foundation Wall Demolition.....	7.79
02 41 16 13-0013	SF	12" Thick Non Reinforced Concrete Foundation Wall Demolition.....	9.10
02 41 16 13-0014	SF	16" Thick Non Reinforced Concrete Foundation Wall Demolition.....	10.39
02 41 16 13-0015	CF	Reinforced Concrete Foundation Demolition.....	10.90
02 41 16 13-0016	SF	4" Thick Reinforced Concrete Foundation Wall Demolition.....	4.67
02 41 16 13-0017	SF	6" Thick Reinforced Concrete Foundation Wall Demolition.....	6.23
02 41 16 13-0018	SF	8" Thick Reinforced Concrete Foundation Wall Demolition.....	7.79
02 41 16 13-0019	SF	10" Thick Reinforced Concrete Foundation Wall Demolition.....	9.22
02 41 16 13-0020	SF	12" Thick Reinforced Concrete Foundation Wall Demolition.....	10.90
02 41 16 13-0021	SF	16" Thick Reinforced Concrete Foundation Wall Demolition.....	12.46

02 41 16 13-0022 Concrete Block Foundation Wall Demolition (02 41 16 13-0006)

02 41 16 13-0023	SF	4" Thick Non Reinforced Concrete Block Foundation Wall Demolition.....	2.85
02 41 16 13-0024	SF	6" Thick Non Reinforced Concrete Block Foundation Wall Demolition.....	3.05
02 41 16 13-0025	SF	8" Thick Non Reinforced Concrete Block Foundation Wall Demolition.....	3.44
02 41 16 13-0026	SF	10" Thick Non Reinforced Concrete Block Foundation Wall Demolition.....	3.96
02 41 16 13-0027	SF	12" Thick Non Reinforced Concrete Block Foundation Wall Demolition.....	4.41
02 41 16 13-0028	SF	16" Thick Non Reinforced Concrete Block Foundation Wall Demolition.....	5.52
02 41 16 13-0029	SF	4" Thick Reinforced Concrete Block Foundation Wall Demolition.....	3.43
02 41 16 13-0030	SF	6" Thick Reinforced Concrete Block Foundation Wall Demolition.....	3.66
02 41 16 13-0031	SF	8" Thick Reinforced Concrete Block Foundation Wall Demolition.....	4.13
02 41 16 13-0032	SF	10" Thick Reinforced Concrete Block Foundation Wall Demolition.....	4.75
02 41 16 13-0033	SF	12" Thick Reinforced Concrete Block Foundation Wall Demolition.....	5.30
02 41 16 13-0034	SF	16" Thick Reinforced Concrete Block Foundation Wall Demolition.....	6.62

02 41 16 13-0035 Brick Foundation Wall Demolition (02 41 16 13-0006)

02 41 16 13-0036	SF	4" Thick Brick Foundation Wall Demolition.....	2.85
02 41 16 13-0037	SF	6" Thick Brick Foundation Wall Demolition.....	3.05
02 41 16 13-0038	SF	8" Thick Brick Foundation Wall Demolition.....	3.44
02 41 16 13-0039	SF	10" Thick Brick Foundation Wall Demolition.....	3.96
02 41 16 13-0040	SF	12" Thick Brick Foundation Wall Demolition.....	4.41
02 41 16 13-0041	SF	16" Thick Brick Foundation Wall Demolition.....	5.52

02 41 16 13-0042 Stone Foundation Demolition (02 41 16 13-0006)

02 41 16 13-0043	CF	Stone Footing Or Foundation Wall Demolition.....	9.10
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02 41 16 13-0044 Other Foundation Demolition (02 41 16 13-0006)

02 41 16 13-0045	CF	Concrete Footing For Fence, Gate Or Playground Equipment Post, Etc. Demolition.....	9.57
		Note: Includes excavation.	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 19 Selective Demolition (02 41)**02 41 19 13 Selective Building Demolition (02 41 19)****02 41 19 13-0001 Exterior Masonry Removal (02 41 19 13)****02 41 19 13-0002 Masonry Columns Removal (Interior And Exterior) (02 41 19 13-0001)**

02 41 19 13-0003	VLF	8" x 8" Masonry Column Removal	8.84
02 41 19 13-0004	VLF	10" x 10" Masonry Column Removal	13.81
02 41 19 13-0005	VLF	12" x 12" Masonry Column Removal	17.68
02 41 19 13-0006	VLF	14" x 14" Masonry Column Removal	22.14
02 41 19 13-0007	VLF	16" x 16" Masonry Column Removal	27.19
02 41 19 13-0008	CF	Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	15.27

02 41 19 13-0009 Masonry Chimney Removal (02 41 19 13-0001)

02 41 19 13-0010	CF	Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed	17.91
02 41 19 13-0011	CF	>3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed	13.45
02 41 19 13-0012	CF	>10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	10.29
02 41 19 13-0013	CF	>20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	7.12

02 41 19 13-0014 Remove And Reset Precast, Stone Or Masonry Coping (02 41 19 13-0001)

Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0049 for saw cutting.

02 41 19 13-0015	LF	Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping	11.54
02 41 19 13-0016	LF	>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping	17.34
02 41 19 13-0017	LF	>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping	33.30

02 41 19 13-0018 Facade Removal (02 41 19 13-0001)

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0049 for saw cutting.

02 41 19 13-0019	SF	Stone Or Brick Veneer Facade Removal	3.36
		<i>For Cleaning and Storage For Reuse, Add</i>	2.52

02 41 19 13-0020 Exterior Masonry Removal (02 41 19 13-0001)

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0049 for saw cutting.

02 41 19 13-0021	SF	Demolish 4" Thick Non Reinforced Concrete Block Exterior Wall	2.96
02 41 19 13-0022	SF	Demolish 6" Thick Non Reinforced Concrete Block Exterior Wall	3.34
02 41 19 13-0023	SF	Demolish 8" Thick Non Reinforced Concrete Block Exterior Wall	4.03
02 41 19 13-0024	SF	Demolish 10" Thick Non Reinforced Concrete Block Exterior Wall	4.41
02 41 19 13-0025	SF	Demolish 12" Thick Non Reinforced Concrete Block Exterior Wall	4.85
02 41 19 13-0026	SF	Demolish 16" Thick Non Reinforced Concrete Block Exterior Wall	6.06
02 41 19 13-0027	SF	Demolish 4" Thick Reinforced Concrete Block Exterior Wall	3.50
02 41 19 13-0028	SF	Demolish 6" Thick Reinforced Concrete Block Exterior Wall	4.00
02 41 19 13-0029	SF	Demolish 8" Thick Reinforced Concrete Block Exterior Wall	4.85
02 41 19 13-0030	SF	Demolish 10" Thick Reinforced Concrete Block Exterior Wall	5.29
02 41 19 13-0031	SF	Demolish 12" Thick Reinforced Concrete Block Exterior Wall	5.82
02 41 19 13-0032	SF	Demolish 16" Thick Reinforced Concrete Block Exterior Wall	7.27
02 41 19 13-0033	SF	Demolish 4" Thick Brick Exterior Wall	2.96
		<i>For Cleaning and Storage For Reuse, Add</i>	2.22
02 41 19 13-0034	SF	Demolish 6" Thick Brick Exterior Wall	3.34
		<i>For Cleaning and Storage For Reuse, Add</i>	2.51
02 41 19 13-0035	SF	Demolish 8" Thick Brick Exterior Wall	4.03
		<i>For Cleaning and Storage For Reuse, Add</i>	3.02
02 41 19 13-0036	SF	Demolish 10" Thick Brick Exterior Wall	4.41
		<i>For Cleaning and Storage For Reuse, Add</i>	3.31
02 41 19 13-0037	SF	Demolish 12" Thick Brick Exterior Wall	4.85
		<i>For Cleaning and Storage For Reuse, Add</i>	3.64
02 41 19 13-0038	SF	Demolish 16" Thick Brick Exterior Wall	6.06
		<i>For Cleaning and Storage For Reuse, Add</i>	4.55
02 41 19 13-0039	CF	Exterior Brick, Concrete Block Or Composite Removal	8.61
		<i>For Cleaning and Storage For Reuse, Add</i>	6.46

02 41 19 13-0040 Exterior Concrete Wall Removal (02 41 19 13)

02 41 19 13-0041	SF	Demolish 4" Thick Reinforced Concrete Exterior Wall	4.04
02 41 19 13-0042	SF	Demolish 6" Thick Reinforced Concrete Exterior Wall	7.33
02 41 19 13-0043	SF	Demolish 8" Thick Reinforced Concrete Exterior Wall	9.22
02 41 19 13-0044	SF	Demolish 10" Thick Reinforced Concrete Exterior Wall	10.88
02 41 19 13-0045	SF	Demolish 12" Thick Reinforced Concrete Exterior Wall	12.86

02 41 19 13-0046 Roofing Removal (02 41 19 13)

02	Existing Conditions
02 40	Demolition And Structure Moving
02 41	Demolition



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 19 13-0047	Clay Tile Roof Remove And Salvage For Re-use <small>(02 41 19 13-0046)</small>	
	Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.	
02 41 19 13-0048	SQ Removal Of Clay Roof Tile, Salvage For Re-use.....	174.49
02 41 19 13-0049	Saw Cutting <small>(02 41 19 13)</small>	
	Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.	
02 41 19 13-0050	LF Saw Cut Bituminous Paving Up To 4" Depth.....	1.67
	For Each Additional Pass (Depth To 3"), Add	0.62
	For >250, Deduct	-0.15
02 41 19 13-0051	LF Saw Cut Brick Masonry Up To 4" Depth.....	5.69
	For Each Additional Pass (Depth To 3"), Add	2.21
	For >250, Deduct	-0.55
02 41 19 13-0052	LF Saw Cut Concrete Block Up To 4" Depth.....	5.18
	For Each Additional Pass (Depth To 3"), Add	2.01
	For >250, Deduct	-0.50
02 41 19 13-0053	LF Saw Cut Non Reinforced Concrete Slab Or Paving Up To 4" Depth.....	1.97
	For Each Additional Pass (Depth To 3"), Add	0.72
	For >250, Deduct	-0.17
02 41 19 13-0054	LF Saw Cut Welded Wire Reinforced Concrete Slab Up To 4" Depth.....	2.55
	For Each Additional Pass (Depth To 3"), Add	0.93
	For >250, Deduct	-0.23
02 41 19 13-0055	LF Saw Cut Rod Reinforced Concrete Slab Up To 4" Depth.....	4.01
	For Each Additional Pass (Depth To 3"), Add	1.51
	For >250, Deduct	-0.37
02 41 19 13-0056	LF Saw Cut Plain Concrete Walls Up To 4" Depth.....	7.25
	For Each Additional Pass (Depth To 3"), Add	2.83
	For >250, Deduct	-0.70
02 41 19 13-0057	LF Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth.....	9.72
	For Each Additional Pass (Depth To 3"), Add	3.80
	For >250, Deduct	-0.94
02 41 19 13-0058	LF Saw Cut In Streets, Concrete And Asphalt Up To 4" Depth.....	1.81
	For Each Additional Pass (Depth To 3"), Add	0.66
	For >250, Deduct	-0.16
02 41 19 13-0059	LF Saw Cut Igneous Stone Pavements Up To 4" Depth.....	5.22
	For Each Additional Pass (Depth To 3"), Add	2.02
	For >250, Deduct	-0.50
02 41 19 13-0060	LF Saw Cut Sedimentary Stone Pavements Up To 4" Depth.....	5.22
	For Each Additional Pass (Depth To 3"), Add	2.02
	For >250, Deduct	-0.50
02 41 19 13-0061	LF Saw Cut Metamorphic Stone Pavements Up To 4" Depth.....	5.22
	For Each Additional Pass (Depth To 3"), Add	2.02
	For >250, Deduct	-0.50
02 41 19 13-0062	LF Saw Cut Terrazzo Stone Pavements Up To 4" Depth.....	5.22
	For Each Additional Pass (Depth To 3"), Add	2.02
	For >250, Deduct	-0.50
02 41 19 13-0063	EA Saw Cut Minimum Charge.....	640.24
	Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
02 41 19 13-0064	Torch Cutting <small>(02 41 19 13)</small>	
	Note: Includes grinding edge	
02 41 19 13-0065	LF Up To 1/2", Torch Cut Steel Plate.....	1.84
02 41 19 13-0066	LF >1/2" To 1" Thick, Torch Cut Steel Plate.....	3.69
02 41 19 13-0067	LF >1" To 1-1/2" Thick, Torch Cut Steel Plate.....	5.55
02 41 19 13-0068	LF >1-1/2" To 2" Thick, Torch Cut Steel Plate.....	7.40
02 41 19 13-0069	LF >2" To 2-1/2" Thick, Torch Cut Steel Plate.....	9.24
02 41 19 13-0070	LF >2-1/2" To 3" Thick, Torch Cut Steel Plate.....	11.09
02 41 19 13-0071	EA Torch Cutting Minimum Charge.....	579.85
	Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
02 41 19 13-0072	Drilling <small>(02 41 19 13)</small>	
	Note: Includes drill bit wear, water, layout, set-up and clean-up.	
02 41 19 13-0073	Concrete Core Drilling <small>(02 41 19 13-0072)</small>	
02 41 19 13-0074	Up To 4" Thick Concrete Core Drilling <small>(02 41 19 13-0073)</small>	
02 41 19 13-0075	EA Drill 1" Diameter Core In Up To 4" Concrete.....	30.00
	For Horizontal Cores, Add	5.24
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	10.48
02 41 19 13-0076	EA Drill 1-1/2" Diameter Core In Up To 4" Concrete.....	32.91
	For Horizontal Cores, Add	5.82
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.65
02 41 19 13-0077	EA Drill 2" Diameter Core In Up To 4" Concrete.....	36.15
	For Horizontal Cores, Add	6.47
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	12.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0078 EA Drill 3" Diameter Core In Up To 4" Concrete.....	51.30	
<i>For Horizontal Cores, Add</i>	9.24	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	18.49	
02 41 19 13-0079 EA Drill 4" Diameter Core In Up To 4" Concrete.....	68.79	
<i>For Horizontal Cores, Add</i>	12.39	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.78	
02 41 19 13-0080 EA Drill 6" Diameter Core In Up To 4" Concrete.....	77.97	
<i>For Horizontal Cores, Add</i>	13.87	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.74	
02 41 19 13-0081 EA Drill 8" Diameter Core In Up To 4" Concrete.....	122.77	
<i>For Horizontal Cores, Add</i>	22.19	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	44.38	
02 41 19 13-0082 EA Drill 10" Diameter Core In Up To 4" Concrete.....	154.82	
<i>For Horizontal Cores, Add</i>	27.74	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	55.47	
02 41 19 13-0083 EA Drill 12" Diameter Core In Up To 4" Concrete.....	181.13	
<i>For Horizontal Cores, Add</i>	32.36	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	64.72	
02 41 19 13-0084 EA Drill 14" Diameter Core In Up To 4" Concrete.....	207.90	
<i>For Horizontal Cores, Add</i>	36.98	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	73.96	
02 41 19 13-0085 EA Drill 18" Diameter Core In Up To 4" Concrete.....	237.55	
<i>For Horizontal Cores, Add</i>	41.60	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	83.20	
02 41 19 13-0086 >4" To 6" Thick Concrete Core Drilling (02 41 19 13-0073)		
02 41 19 13-0087 EA Drill 1" Diameter Core In >4" To 6" Concrete.....	43.24	
<i>For Horizontal Cores, Add</i>	7.49	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	14.98	
02 41 19 13-0088 EA Drill 1-1/2" Diameter Core In >4" To 6" Concrete.....	47.39	
<i>For Horizontal Cores, Add</i>	8.32	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.64	
02 41 19 13-0089 EA Drill 2" Diameter Core In >4" To 6" Concrete.....	52.01	
<i>For Horizontal Cores, Add</i>	9.24	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	18.48	
02 41 19 13-0090 EA Drill 3" Diameter Core In >4" To 6" Concrete.....	63.43	
<i>For Horizontal Cores, Add</i>	11.09	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	22.19	
02 41 19 13-0091 EA Drill 4" Diameter Core In >4" To 6" Concrete.....	79.87	
<i>For Horizontal Cores, Add</i>	13.87	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.74	
02 41 19 13-0092 EA Drill 6" Diameter Core In >4" To 6" Concrete.....	105.55	
<i>For Horizontal Cores, Add</i>	18.49	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	36.98	
02 41 19 13-0093 EA Drill 8" Diameter Core In >4" To 6" Concrete.....	156.57	
<i>For Horizontal Cores, Add</i>	27.74	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	55.47	
02 41 19 13-0094 EA Drill 10" Diameter Core In >4" To 6" Concrete.....	185.93	
<i>For Horizontal Cores, Add</i>	32.36	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	64.72	
02 41 19 13-0095 EA Drill 12" Diameter Core In >4" To 6" Concrete.....	213.81	
<i>For Horizontal Cores, Add</i>	36.98	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	73.96	
02 41 19 13-0096 EA Drill 14" Diameter Core In >4" To 6" Concrete.....	243.14	
<i>For Horizontal Cores, Add</i>	41.60	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	83.20	
02 41 19 13-0097 EA Drill 18" Diameter Core In >4" To 6" Concrete.....	276.65	
<i>For Horizontal Cores, Add</i>	46.22	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	92.45	
02 41 19 13-0098 >6" To 8" Thick Concrete Core Drilling (02 41 19 13-0073)		
02 41 19 13-0099 EA Drill 1" Diameter Core In >6" To 8" Concrete.....	49.07	
<i>For Horizontal Cores, Add</i>	8.24	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.48	
02 41 19 13-0100 EA Drill 1-1/2" Diameter Core In >6" To 8" Concrete.....	53.65	
<i>For Horizontal Cores, Add</i>	9.15	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	18.31	
02 41 19 13-0101 EA Drill 2" Diameter Core In >6" To 8" Concrete.....	58.72	
<i>For Horizontal Cores, Add</i>	10.17	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	20.34	
02 41 19 13-0102 EA Drill 3" Diameter Core In >6" To 8" Concrete.....	70.93	
<i>For Horizontal Cores, Add</i>	12.02	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.04	
02 41 19 13-0103 EA Drill 4" Diameter Core In >6" To 8" Concrete.....	92.78	
<i>For Horizontal Cores, Add</i>	15.72	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	31.43	
02 41 19 13-0104 EA Drill 6" Diameter Core In >6" To 8" Concrete.....	128.52	
<i>For Horizontal Cores, Add</i>	22.19	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	44.38	
02 41 19 13-0105 EA Drill 8" Diameter Core In >6" To 8" Concrete.....	208.86	
<i>For Horizontal Cores, Add</i>	36.98	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	73.96	

02	Existing Conditions
02 40	Demolition And Structure Moving
02 41	Demolition



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0106 EA Drill 10" Diameter Core In >6" To 8" Concrete.....	240.10	
For Horizontal Cores, Add	41.60	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	83.20	
02 41 19 13-0107 EA Drill 12" Diameter Core In >6" To 8" Concrete.....	269.62	
For Horizontal Cores, Add	46.22	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	92.45	
02 41 19 13-0108 EA Drill 14" Diameter Core In >6" To 8" Concrete.....	301.48	
For Horizontal Cores, Add	50.84	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	101.68	
02 41 19 13-0109 EA Drill 18" Diameter Core In >6" To 8" Concrete.....	338.86	
For Horizontal Cores, Add	55.47	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	110.94	
02 41 19 13-0110 >8" To 10" Thick Concrete Core Drilling (02 41 19 13-0073)		
02 41 19 13-0111 EA Drill 1" Diameter Core In >8" To 10" Concrete.....	58.62	
For Horizontal Cores, Add	9.73	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	19.47	
02 41 19 13-0112 EA Drill 1-1/2" Diameter Core In >8" To 10" Concrete.....	64.04	
For Horizontal Cores, Add	10.82	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	21.64	
02 41 19 13-0113 EA Drill 2" Diameter Core In >8" To 10" Concrete.....	70.04	
For Horizontal Cores, Add	12.02	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.04	
02 41 19 13-0114 EA Drill 3" Diameter Core In >8" To 10" Concrete.....	83.05	
For Horizontal Cores, Add	13.87	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.74	
02 41 19 13-0115 EA Drill 4" Diameter Core In >8" To 10" Concrete.....	96.46	
For Horizontal Cores, Add	15.72	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	31.43	
02 41 19 13-0116 EA Drill 6" Diameter Core In >8" To 10" Concrete.....	133.00	
For Horizontal Cores, Add	22.19	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	44.38	
02 41 19 13-0117 EA Drill 8" Diameter Core In >8" To 10" Concrete.....	214.93	
For Horizontal Cores, Add	36.98	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	73.96	
02 41 19 13-0118 EA Drill 10" Diameter Core In >8" To 10" Concrete.....	248.09	
For Horizontal Cores, Add	41.60	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	83.20	
02 41 19 13-0119 EA Drill 12" Diameter Core In >8" To 10" Concrete.....	279.16	
For Horizontal Cores, Add	46.21	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	92.43	
02 41 19 13-0120 EA Drill 14" Diameter Core In >8" To 10" Concrete.....	313.62	
For Horizontal Cores, Add	50.84	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	101.68	
02 41 19 13-0121 EA Drill 18" Diameter Core In >8" To 10" Concrete.....	354.78	
For Horizontal Cores, Add	55.46	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	110.92	
02 41 19 13-0122 >10" To 12" Thick Concrete Core Drilling (02 41 19 13-0073)		
02 41 19 13-0123 EA Drill 1" Diameter Core In >10" To 12" Concrete.....	64.45	
For Horizontal Cores, Add	10.48	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.97	
02 41 19 13-0124 EA Drill 1-1/2" Diameter Core In >10" To 12" Concrete.....	70.27	
For Horizontal Cores, Add	11.65	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	23.30	
02 41 19 13-0125 EA Drill 2" Diameter Core In >10" To 12" Concrete.....	76.75	
For Horizontal Cores, Add	12.94	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.89	
02 41 19 13-0126 EA Drill 3" Diameter Core In >10" To 12" Concrete.....	85.92	
For Horizontal Cores, Add	13.87	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.74	
02 41 19 13-0127 EA Drill 4" Diameter Core In >10" To 12" Concrete.....	114.00	
For Horizontal Cores, Add	18.49	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	36.98	
02 41 19 13-0128 EA Drill 6" Diameter Core In >10" To 12" Concrete.....	146.71	
For Horizontal Cores, Add	24.04	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	48.08	
02 41 19 13-0129 EA Drill 8" Diameter Core In >10" To 12" Concrete.....	230.26	
For Horizontal Cores, Add	38.83	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	77.66	
02 41 19 13-0130 EA Drill 10" Diameter Core In >10" To 12" Concrete.....	256.08	
For Horizontal Cores, Add	41.60	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	83.20	
02 41 19 13-0131 EA Drill 12" Diameter Core In >10" To 12" Concrete.....	298.07	
For Horizontal Cores, Add	48.08	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	96.16	
02 41 19 13-0132 >12" Thick Concrete Core Drilling (02 41 19 13-0073)		
02 41 19 13-0133 IN Drill 1" Diameter Core In >12" Concrete.....	7.41	
For Horizontal Cores, Add	1.28	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	2.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0134 IN Drill 1-1/2" Diameter Core In >12" Concrete	8.13	
For Horizontal Cores, Add	1.43	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	2.85	
02 41 19 13-0135 IN Drill 2" Diameter Core In >12" Concrete	8.91	
For Horizontal Cores, Add	1.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.16	
02 41 19 13-0136 IN Drill 3" Diameter Core In >12" Concrete	10.04	
For Horizontal Cores, Add	1.73	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.46	
02 41 19 13-0137 IN Drill 4" Diameter Core In >12" Concrete	13.35	
For Horizontal Cores, Add	2.31	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.62	
02 41 19 13-0138 IN Drill 6" Diameter Core In >12" Concrete	17.24	
For Horizontal Cores, Add	3.01	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	6.01	
02 41 19 13-0139 IN Drill 8" Diameter Core In >12" Concrete	27.30	
For Horizontal Cores, Add	4.86	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	9.72	
02 41 19 13-0140 IN Drill 10" Diameter Core In >12" Concrete	30.12	
For Horizontal Cores, Add	5.22	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	10.44	
02 41 19 13-0141 IN Drill 12" Diameter Core In >12" Concrete	34.88	
For Horizontal Cores, Add	6.01	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	12.03	
02 41 19 13-0142 Brick/Concrete Block Core Drilling (02 41 19 13-0072)		
02 41 19 13-0143 Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0142)		
02 41 19 13-0144 EA Drill 1" Diameter Core In Up To 4" Brick/Concrete Block	24.76	
For Horizontal Cores, Add	4.19	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	8.39	
02 41 19 13-0145 EA Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block	27.09	
For Horizontal Cores, Add	4.66	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	9.32	
02 41 19 13-0146 EA Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	29.68	
For Horizontal Cores, Add	5.18	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	10.36	
02 41 19 13-0147 EA Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	42.06	
For Horizontal Cores, Add	7.40	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.79	
02 41 19 13-0148 EA Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	56.40	
For Horizontal Cores, Add	9.91	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	19.82	
02 41 19 13-0149 EA Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	64.10	
For Horizontal Cores, Add	11.09	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.19	
02 41 19 13-0150 EA Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	100.58	
For Horizontal Cores, Add	17.75	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	35.50	
02 41 19 13-0151 EA Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	127.08	
For Horizontal Cores, Add	22.19	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	44.38	
02 41 19 13-0152 EA Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	148.77	
For Horizontal Cores, Add	25.89	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	51.78	
02 41 19 13-0153 EA Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	170.92	
For Horizontal Cores, Add	29.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	59.16	
02 41 19 13-0154 EA Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	195.95	
For Horizontal Cores, Add	33.28	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	66.56	
02 41 19 13-0155 >4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0142)		
02 41 19 13-0156 EA Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block	35.74	
For Horizontal Cores, Add	5.99	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.98	
02 41 19 13-0157 EA Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block	39.07	
For Horizontal Cores, Add	6.65	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	13.31	
02 41 19 13-0158 EA Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	42.77	
For Horizontal Cores, Add	7.39	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.79	
02 41 19 13-0159 EA Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	52.34	
For Horizontal Cores, Add	8.88	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	17.75	
02 41 19 13-0160 EA Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	66.00	
For Horizontal Cores, Add	11.09	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.19	
02 41 19 13-0161 EA Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	87.06	
For Horizontal Cores, Add	14.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	29.58	

02	Existing Conditions
02 40	Demolition And Structure Moving
02 41	Demolition



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0162 EA Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	128.83	
For Horizontal Cores, Add	22.19	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	44.38	
02 41 19 13-0163 EA Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	153.57	
For Horizontal Cores, Add	25.89	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	51.78	
02 41 19 13-0164 EA Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	176.83	
For Horizontal Cores, Add	29.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	59.16	
02 41 19 13-0165 EA Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	201.54	
For Horizontal Cores, Add	33.28	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	66.56	
02 41 19 13-0166 EA Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	230.42	
For Horizontal Cores, Add	36.98	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	73.96	
02 41 19 13-0167 >6" To 8" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0142)		
02 41 19 13-0168 EA Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block	40.83	
For Horizontal Cores, Add	6.59	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	13.18	
02 41 19 13-0169 EA Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block	44.49	
For Horizontal Cores, Add	7.32	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.64	
02 41 19 13-0170 EA Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	48.56	
For Horizontal Cores, Add	8.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	16.27	
02 41 19 13-0171 EA Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	58.91	
For Horizontal Cores, Add	9.62	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	19.23	
02 41 19 13-0172 EA Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	77.06	
For Horizontal Cores, Add	12.57	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.14	
02 41 19 13-0173 EA Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	106.33	
For Horizontal Cores, Add	17.75	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	35.50	
02 41 19 13-0174 EA Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	171.88	
For Horizontal Cores, Add	29.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	59.16	
02 41 19 13-0175 EA Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	198.50	
For Horizontal Cores, Add	33.28	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	66.56	
02 41 19 13-0176 EA Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	223.39	
For Horizontal Cores, Add	36.98	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	73.96	
02 41 19 13-0177 EA Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	250.64	
For Horizontal Cores, Add	40.67	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	81.34	
02 41 19 13-0178 EA Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	283.39	
For Horizontal Cores, Add	44.38	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	88.75	
02 41 19 13-0179 >8" To 10" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0142)		
02 41 19 13-0180 EA Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block	48.89	
For Horizontal Cores, Add	7.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	15.58	
02 41 19 13-0181 EA Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block	53.21	
For Horizontal Cores, Add	8.65	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	17.30	
02 41 19 13-0182 EA Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	58.03	
For Horizontal Cores, Add	9.62	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	19.23	
02 41 19 13-0183 EA Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	69.18	
For Horizontal Cores, Add	11.09	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.19	
02 41 19 13-0184 EA Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	80.74	
For Horizontal Cores, Add	12.57	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.14	
02 41 19 13-0185 EA Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	110.81	
For Horizontal Cores, Add	17.75	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	35.50	
02 41 19 13-0186 EA Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	177.95	
For Horizontal Cores, Add	29.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	59.16	
02 41 19 13-0187 EA Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	206.49	
For Horizontal Cores, Add	33.28	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	66.56	
02 41 19 13-0188 EA Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	232.95	
For Horizontal Cores, Add	36.97	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	73.94	
02 41 19 13-0189 EA Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	262.78	
For Horizontal Cores, Add	40.67	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	81.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0190 EA Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	299.32	
<i>For Horizontal Cores, Add</i>	44.37	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	88.73	
02 41 19 13-0191 >10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0142)		
02 41 19 13-0192 EA Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	53.97	
<i>For Horizontal Cores, Add</i>	8.39	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.78	
02 41 19 13-0193 EA Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block	58.62	
<i>For Horizontal Cores, Add</i>	9.32	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	18.64	
02 41 19 13-0194 EA Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	63.81	
<i>For Horizontal Cores, Add</i>	10.36	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	20.71	
02 41 19 13-0195 EA Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	72.05	
<i>For Horizontal Cores, Add</i>	11.09	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	22.19	
02 41 19 13-0196 EA Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	95.51	
<i>For Horizontal Cores, Add</i>	14.79	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	29.58	
02 41 19 13-0197 EA Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	122.68	
<i>For Horizontal Cores, Add</i>	19.23	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.46	
02 41 19 13-0198 EA Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	191.43	
<i>For Horizontal Cores, Add</i>	31.06	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	62.13	
02 41 19 13-0199 EA Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	214.48	
<i>For Horizontal Cores, Add</i>	33.28	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	66.56	
02 41 19 13-0200 EA Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	249.99	
<i>For Horizontal Cores, Add</i>	38.46	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	76.92	
02 41 19 13-0201 >12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0142)		
02 41 19 13-0202 IN Drill 1" Diameter Core In >12" Brick/Concrete Block	6.12	
<i>For Horizontal Cores, Add</i>	1.02	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	2.05	
02 41 19 13-0203 IN Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block	6.70	
<i>For Horizontal Cores, Add</i>	1.14	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	2.28	
02 41 19 13-0204 IN Drill 2" Diameter Core In >12" Brick/Concrete Block	7.33	
<i>For Horizontal Cores, Add</i>	1.27	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	2.53	
02 41 19 13-0205 IN Drill 3" Diameter Core In >12" Brick/Concrete Block	8.31	
<i>For Horizontal Cores, Add</i>	1.39	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	2.77	
02 41 19 13-0206 IN Drill 4" Diameter Core In >12" Brick/Concrete Block	11.04	
<i>For Horizontal Cores, Add</i>	1.85	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.70	
02 41 19 13-0207 IN Drill 6" Diameter Core In >12" Brick/Concrete Block	14.24	
<i>For Horizontal Cores, Add</i>	2.41	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	4.81	
02 41 19 13-0208 IN Drill 8" Diameter Core In >12" Brick/Concrete Block	22.45	
<i>For Horizontal Cores, Add</i>	3.89	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	7.78	
02 41 19 13-0209 IN Drill 10" Diameter Core In >12" Brick/Concrete Block	24.90	
<i>For Horizontal Cores, Add</i>	4.18	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	8.36	
02 41 19 13-0210 IN Drill 12" Diameter Core In >12" Brick/Concrete Block	28.87	
<i>For Horizontal Cores, Add</i>	4.81	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	9.62	
02 41 19 13-0211 Asphalt Core Drilling (02 41 19 13-0072)		
02 41 19 13-0212 Up To 2" Thick Asphalt Core Drilling (02 41 19 13-0211)		
02 41 19 13-0213 EA Drill 2" Diameter Core In Up To 2" Asphalt	20.98	
02 41 19 13-0214 EA Drill 3" Diameter Core In Up To 2" Asphalt	26.13	
02 41 19 13-0215 EA Drill 4" Diameter Core In Up To 2" Asphalt	32.93	
02 41 19 13-0216 EA Drill 6" Diameter Core In Up To 2" Asphalt	41.41	
02 41 19 13-0217 EA Drill 8" Diameter Core In Up To 2" Asphalt	51.85	
02 41 19 13-0218 EA Drill 10" Diameter Core In Up To 2" Asphalt	64.27	
02 41 19 13-0219 EA Drill 12" Diameter Core In Up To 2" Asphalt	80.12	
02 41 19 13-0220 >2" To 3" Thick Asphalt Core Drilling (02 41 19 13-0211)		
02 41 19 13-0221 EA Drill 2" Diameter Core In >2" To 3" Asphalt	26.68	
02 41 19 13-0222 EA Drill 3" Diameter Core In >2" To 3" Asphalt	33.49	
02 41 19 13-0223 EA Drill 4" Diameter Core In >2" To 3" Asphalt	41.96	
02 41 19 13-0224 EA Drill 6" Diameter Core In >2" To 3" Asphalt	52.89	
02 41 19 13-0225 EA Drill 8" Diameter Core In >2" To 3" Asphalt	65.87	
02 41 19 13-0226 EA Drill 10" Diameter Core In >2" To 3" Asphalt	82.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0227 EA Drill 12" Diameter Core In >2" To 3" Asphalt.....	102.32	
02 41 19 13-0228 >3" To 4" Thick Asphalt Core Drilling (02 41 19 13-0211)		
02 41 19 13-0229 EA Drill 2" Diameter Core In >3" To 4" Asphalt.....	34.36	
02 41 19 13-0230 EA Drill 3" Diameter Core In >3" To 4" Asphalt.....	42.91	
02 41 19 13-0231 EA Drill 4" Diameter Core In >3" To 4" Asphalt.....	54.07	
02 41 19 13-0232 EA Drill 6" Diameter Core In >3" To 4" Asphalt.....	67.60	
02 41 19 13-0233 EA Drill 8" Diameter Core In >3" To 4" Asphalt.....	85.03	
02 41 19 13-0234 EA Drill 10" Diameter Core In >3" To 4" Asphalt.....	105.74	
02 41 19 13-0235 EA Drill 12 Diameter Core In >3" To 4" Asphalt.....	131.62	
02 41 19 13-0236 >4" To 6" Thick Asphalt Core Drilling (02 41 19 13-0211)		
02 41 19 13-0237 EA Drill 2" Diameter Core In >4" To 6" Asphalt.....	44.02	
02 41 19 13-0238 EA Drill 3" Diameter Core In >4" To 6" Asphalt.....	56.21	
02 41 19 13-0239 EA Drill 4" Diameter Core In >4" To 6" Asphalt.....	70.15	
02 41 19 13-0240 EA Drill 6" Diameter Core In >4" To 6" Asphalt.....	87.25	
02 41 19 13-0241 EA Drill 8" Diameter Core In >4" To 6" Asphalt.....	110.22	
02 41 19 13-0242 EA Drill 10" Diameter Core In >4" To 6" Asphalt.....	136.89	
02 41 19 13-0243 EA Drill 12" Diameter Core In >4" To 6" Asphalt.....	170.65	
02 41 19 13-0244 Manhole Core Drilling (02 41 19 13-0072)		
02 41 19 13-0245 EA Drill 4" Diameter Core In 6" Brick Manhole.....	145.79	
02 41 19 13-0246 EA Drill 5" Diameter Core In 6" Brick Manhole.....	166.48	
02 41 19 13-0247 EA Drill 6" Diameter Core In 6" Brick Manhole.....	193.68	
02 41 19 13-0248 EA Drill 8" Diameter Core In 6" Brick Manhole.....	289.33	
02 41 19 13-0249 EA Drill 2" Diameter Core In 8" Concrete Manhole.....	193.81	
02 41 19 13-0250 EA Drill 3" Diameter Core In 8" Concrete Manhole.....	208.63	
02 41 19 13-0251 EA Drill 4" Diameter Core In 8" Concrete Manhole.....	231.78	
02 41 19 13-0252 EA Drill 5" Diameter Core In 8" Concrete Manhole.....	249.30	
02 41 19 13-0253 EA Drill 6" Diameter Core In 8" Concrete Manhole.....	294.49	
02 41 19 13-0254 EA Drill 8" Diameter Core In 8" Concrete Manhole.....	419.57	
02 41 19 13-0255 EA Drill 2" Diameter Core In Fiberglass Manhole.....	18.64	
02 41 19 13-0256 EA Drill 3" Diameter Core In Fiberglass Manhole.....	21.55	
02 41 19 13-0257 EA Drill 4" Diameter Core In Fiberglass Manhole.....	23.40	
02 41 19 13-0258 EA Drill 5" Diameter Core In Fiberglass Manhole.....	25.53	
02 41 19 13-0259 EA Drill 6" Diameter Core In Fiberglass Manhole.....	28.10	
02 41 19 13-0260 EA Drill 8" Diameter Core In Fiberglass Manhole.....	31.26	
02 41 19 13-0261 Drilling In Concrete Per Inch Of Depth (02 41 19 13-0072)		
Note: Includes layout.		
02 41 19 13-0262 IN 1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	1.41	
02 41 19 13-0263 IN 3/8" Diameter Drilling In Concrete Per Inch Of Depth.....	1.48	
02 41 19 13-0264 IN 1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	1.59	
02 41 19 13-0265 IN 5/8" Diameter Drilling In Concrete Per Inch Of Depth.....	1.70	
02 41 19 13-0266 IN 3/4" Diameter Drilling In Concrete Per Inch Of Depth.....	1.85	
02 41 19 13-0267 IN 7/8" Diameter Drilling In Concrete Per Inch Of Depth.....	2.01	
02 41 19 13-0268 IN 1" Diameter Drilling In Concrete Per Inch Of Depth.....	2.13	
02 41 19 13-0269 IN 1-1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	2.35	
02 41 19 13-0270 IN 1-1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	2.66	
02 41 19 13-0271 Drilling In Brick/Concrete Block Per Inch Of Depth (02 41 19 13-0072)		
Note: Includes layout.		
02 41 19 13-0272 IN 1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.19	
02 41 19 13-0273 IN 3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.25	
02 41 19 13-0274 IN 1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.34	
02 41 19 13-0275 IN 5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.42	
02 41 19 13-0276 IN 3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.55	
02 41 19 13-0277 IN 7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.69	
02 41 19 13-0278 IN 1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.79	
02 41 19 13-0279 IN 1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.98	
02 41 19 13-0280 IN 1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.23	
02 41 19 13-0281 Drilling In Wood Or Plastic Per Inch Of Depth (02 41 19 13-0072)		
Note: Includes layout.		
02 41 19 13-0282 IN 1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.57	
02 41 19 13-0283 IN 3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.60	
02 41 19 13-0284 IN 1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.64	
02 41 19 13-0285 IN 5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.69	
02 41 19 13-0286 IN 3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.76	
02 41 19 13-0287 IN 7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.82	
02 41 19 13-0288 IN 1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.87	
02 41 19 13-0289 IN 1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.95	
02 41 19 13-0290 IN 1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0291 Limestone Core Drilling <small>(02 41 19 13-0072)</small>		
02 41 19 13-0292 10" To 14" Thick Limestone Core Drilling <small>(02 41 19 13-0291)</small>		
02 41 19 13-0293 EA Drill 1" Diameter Core In 10" To 14" Limestone	44.52	
02 41 19 13-0294 EA Drill 1-1/2" Diameter Core In 10" To 14" Limestone	53.95	
02 41 19 13-0295 EA Drill 2" Diameter Core In 10" To 14" Limestone	59.38	
02 41 19 13-0296 EA Drill 3" Diameter Core In 10" To 14" Limestone	70.31	
02 41 19 13-0297 EA Drill 4" Diameter Core In 10" To 14" Limestone	81.55	
02 41 19 13-0298 EA Drill 6" Diameter Core In 10" To 14" Limestone	112.58	
02 41 19 13-0299 EA Drill 8" Diameter Core In 10" To 14" Limestone	182.27	
02 41 19 13-0300 15" To 18" Thick Limestone Core Drilling <small>(02 41 19 13-0291)</small>		
02 41 19 13-0301 EA Drill 1" Diameter Core In 15" To 18" Limestone	49.50	
02 41 19 13-0302 EA Drill 1-1/2" Diameter Core In 15" To 18" Limestone	59.23	
02 41 19 13-0303 EA Drill 2" Diameter Core In 15" To 18" Limestone	65.01	
02 41 19 13-0304 EA Drill 3" Diameter Core In 15" To 18" Limestone	72.61	
02 41 19 13-0305 EA Drill 4" Diameter Core In 15" To 18" Limestone	96.36	
02 41 19 13-0306 EA Drill 6" Diameter Core In 15" To 18" Limestone	124.06	
02 41 19 13-0307 EA Drill 8" Diameter Core In 15" To 18" Limestone	195.11	
02 41 19 13-0308 19" To 24" Thick Limestone Core Drilling <small>(02 41 19 13-0291)</small>		
02 41 19 13-0309 EA Drill 1" Diameter Core In 19" To 24" Limestone	54.36	
02 41 19 13-0310 EA Drill 1-1/2" Diameter Core In 19" To 24" Limestone	64.36	
02 41 19 13-0311 EA Drill 2" Diameter Core In 19" To 24" Limestone	70.41	
02 41 19 13-0312 EA Drill 3" Diameter Core In 19" To 24" Limestone	82.51	
02 41 19 13-0313 EA Drill 4" Diameter Core In 19" To 24" Limestone	114.77	
02 41 19 13-0314 EA Drill 6" Diameter Core In 19" To 24" Limestone	143.08	
02 41 19 13-0315 EA Drill 8" Diameter Core In 19" To 24" Limestone	211.42	
02 41 19 13-0316 Minimum Charge For Core Drilling <small>(02 41 19 13-0072)</small>		
02 41 19 13-0317 EA Core Drill Minimum Charge.....	517.50	
Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth".		
02 41 19 13-0318 Cutouts <small>(02 41 19 13)</small>		
Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.		
02 41 19 13-0319 Reinforced Concrete Slab On Grade Cutouts <small>(02 41 19 13-0318)</small>		
02 41 19 13-0320 SF 4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	29.88	
02 41 19 13-0321 SF 6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	31.69	
02 41 19 13-0322 SF 8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	33.50	
02 41 19 13-0323 SF 10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	35.31	
02 41 19 13-0324 SF 12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	36.22	
02 41 19 13-0325 Reinforced Concrete Elevated Slab Cutouts <small>(02 41 19 13-0318)</small>		
Note: Includes cutting and removing steel decking.		
02 41 19 13-0326 SF 4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	36.42	
02 41 19 13-0327 SF 6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	38.62	
02 41 19 13-0328 SF 8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	40.83	
02 41 19 13-0329 SF 10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	43.03	
02 41 19 13-0330 SF 12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	44.14	
02 41 19 13-0331 Reinforced Concrete Wall Cutouts <small>(02 41 19 13-0318)</small>		
02 41 19 13-0332 SF 4" Thick Reinforced Concrete Wall Cutouts, <24 SF	37.35	
02 41 19 13-0333 SF 6" Thick Reinforced Concrete Wall Cutouts, <24 SF	39.61	
02 41 19 13-0334 SF 8" Thick Reinforced Concrete Wall Cutouts, <24 SF	41.87	
02 41 19 13-0335 SF 10" Thick Reinforced Concrete Wall Cutouts, <24 SF	44.14	
02 41 19 13-0336 SF 12" Thick Reinforced Concrete Wall Cutouts, <24 SF	45.27	
02 41 19 13-0337 Brick Wall Cutouts <small>(02 41 19 13-0318)</small>		
Note: Excludes toothing.		
02 41 19 13-0338 SF 4" Thick Brick Wall Cutouts, <24 SF	11.32	
02 41 19 13-0339 SF 6" Thick Brick Wall Cutouts, <24 SF	18.67	
02 41 19 13-0340 SF 8" Thick Brick Wall Cutouts, <24 SF	26.00	
02 41 19 13-0341 SF 10" Thick Brick Wall Cutouts, <24 SF	31.69	
02 41 19 13-0342 SF 12" Thick Brick Wall Cutouts, <24 SF	37.91	
02 41 19 13-0343 SF 16" Thick Brick Wall Cutouts, <24 SF	44.70	
02 41 19 13-0344 Concrete Block Wall Cutouts <small>(02 41 19 13-0318)</small>		
Note: Excludes toothing.		
02 41 19 13-0345 SF 4" Thick Concrete Block Wall Cutouts, <24 SF	18.72	

02	Existing Conditions
02 40	Demolition And Structure Moving
02 41	Demolition



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0346	SF		6" Thick Concrete Block Wall Cutouts, <24 SF	19.82	
02 41 19 13-0347	SF		8" Thick Concrete Block Wall Cutouts, <24 SF	20.94	
02 41 19 13-0348	SF		10" Thick Concrete Block Wall Cutouts, <24 SF	22.07	
02 41 19 13-0349	SF		12" Thick Concrete Block Wall Cutouts, <24 SF	22.63	
02 41 19 13-0350	SF		16" Thick Concrete Block Wall Cutouts, <24 SF	23.77	
02 41 19 13-0351			Limestone Cutouts (02 41 19 13-0318)		
02 41 19 13-0352	SF		2" Thick Limestone Cutouts, <24 SF	31.69	
02 41 19 13-0353	SF		4" Thick Limestone Cutouts, <24 SF	38.48	
02 41 19 13-0354	SF		6" Thick Limestone Cutouts, <24 SF	40.74	
02 41 19 13-0355	SF		8" Thick Limestone Cutouts, <24 SF	43.01	
02 41 19 13-0356	SF		10" Thick Limestone Cutouts, <24 SF	45.27	
02 41 19 13-0357	SF		12" Thick Limestone Cutouts, <24 SF	47.53	
02 41 19 13-0358			Toothing Masonry Cutouts (02 41 19 13-0318)		
			Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0359	VLF		Brick, Soft Old Mortar, Toothing Masonry Cutouts	11.32	
02 41 19 13-0360	VLF		Brick, Hard Mortar, Toothing Masonry Cutouts	15.28	
02 41 19 13-0361	VLF		Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts	6.79	
02 41 19 13-0362	VLF		Concrete Block, Hard Mortar, Toothing Masonry Cutouts	9.05	
02 41 19 13-0363			Minimum Charge For Cutouts (02 41 19 13-0318)		
			Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0364	EA		Cutouts Minimum Charge	226.35	
02 41 19 13-0365			Elevated Concrete Removal (02 41 19 13)		
02 41 19 13-0366	CF		Elevated Concrete Beam/Slab/Steps Removal, Reinforced	7.58	
			For Removal Of Elevated Concrete >8' To 14' Above Floor, Add	0.57	
			For Removal Of Elevated Concrete >14' To 20' Above Floor, Add	1.14	
02 41 19 16			Selective Interior Demolition (02 41 19)		
			Note: Includes break-up of material, loading into truck or dumpster and clean-up. Salvage tasks include placement on pallets and storage on site.		
02 41 19 16-0001			Floor Removal (02 41 19 16)		
02 41 19 16-0002			Remove And Salvage For Re-Use (02 41 19 16-0001)		
			Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.		
02 41 19 16-0003	SF		Removal Of Brick Flooring And Salvage	1.59	
02 41 19 16-0004	SF		Removal Of Ceramic/Quarry Tile Floor And Salvage	1.59	
02 41 19 16-0005	SF		Removal Of Terrazzo Flooring And Salvage	2.20	
02 41 19 16-0006	SF		Removal Of Wood Strip Flooring And Salvage	1.29	
02 41 19 16-0007	SF		Removal Of Wood Parquet Flooring And Salvage	0.68	
02 41 19 16-0008	SF		Removal Of Resilient/Linoleum Flooring And Salvage	0.49	
02 41 19 16-0009			Scarify Concrete (02 41 19 16-0001)		
			Note: Up to 1/4" removal per pass.		
02 41 19 16-0010	SF		Scarify Concrete Floor	0.16	
02 41 19 16-0011	SF		Scarify Concrete Tread And Riser	1.32	
02 41 19 16-0012	SF		Scarify Concrete Wall	1.20	
02 41 19 16-0013			Fireproofing Removal (02 41 19 16)		
02 41 19 16-0014	SF		Removal Of Fireproofing From Concrete Or Steel	0.75	
02 41 19 16-0015			Demolish Ceiling (02 41 19 16)		
02 41 19 16-0016	SF		Demolish Drywall Ceiling	0.57	
02 41 19 16-0017	SF		Demolish Furred Plastered Ceiling	1.34	
02 41 19 16-0018	SF		Demolish Suspended Plastered Ceiling And Suspension System	1.02	
02 41 19 16-0019			Demolish Concrete Stair (02 41 19 16)		
02 41 19 16-0020	CF		Demolish Interior Reinforced Concrete Stairs	4.85	
02 41 19 16-0021	CF		Demolish Exterior Reinforced Concrete Stairs	4.22	
02 41 19 16-0022			Demolish Interior Partition/Wall (02 41 19 16)		
			Note: Price includes knock down, loading, clean-up.		
02 41 19 16-0023			Demolish Masonry And Concrete Interior Partition/Walls (02 41 19 16-0022)		
			Note: Includes saw cutting, knock down, loading and clean-up.		
02 41 19 16-0024			Demolish Concrete Block Interior Partition/Walls (02 41 19 16-0023)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 16-0025 SF Demolish 4" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	3.13	
02 41 19 16-0026 SF Demolish 6" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	3.35	
02 41 19 16-0027 SF Demolish 8" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	3.77	
02 41 19 16-0028 SF Demolish 12" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	4.85	
02 41 19 16-0029 SF Demolish 16" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	6.06	
02 41 19 16-0030 SF Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall.....	3.76	
02 41 19 16-0031 SF Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall.....	4.02	
02 41 19 16-0032 SF Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall.....	4.54	
02 41 19 16-0033 SF Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall.....	5.82	
02 41 19 16-0034 SF Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall.....	7.27	
02 41 19 16-0035 Demolish Brick Interior Partition/Walls (02 41 19 16-0023)		
02 41 19 16-0036 SF Demolish 4" Thick Brick Interior Partition/Wall.....	3.13	
02 41 19 16-0037 SF Demolish 8" Thick Brick Interior Partition/Wall.....	3.77	
02 41 19 16-0038 SF Demolish 12" Thick Brick Interior Partition/Wall.....	4.85	
02 41 19 16-0039 SF Demolish 16" Thick Brick Interior Partition/Wall.....	6.06	
02 41 19 16-0040 Demolish Glass Block Interior Partition/Walls (02 41 19 16-0023)		
02 41 19 16-0041 SF Demolish Glass Block Interior Partition/Walls.....	2.69	
02 41 19 16-0042 Demolish Concrete Interior Partition/Walls (02 41 19 16-0023)		
See CSI section 02 41 16 13-0006 for concrete foundation demolition.		
02 41 19 16-0043 SF Demolish 6" Thick Non Reinforced Concrete Interior Partition/Wall.....	5.70	
02 41 19 16-0044 SF Demolish 8" Thick Non Reinforced Concrete Interior Partition/Wall.....	7.12	
02 41 19 16-0045 SF Demolish 12" Thick Non Reinforced Concrete Interior Partition/Wall.....	9.98	
02 41 19 16-0046 SF Demolish 6" Thick Reinforced Concrete Interior Partition/Wall.....	6.85	
02 41 19 16-0047 SF Demolish 8" Thick Reinforced Concrete Interior Partition/Wall.....	8.61	
02 41 19 16-0048 SF Demolish 12" Thick Reinforced Concrete Interior Partition/Wall.....	11.98	
02 41 19 16-0049 Demolish Terra-Cotta Block Interior Partition/Walls (02 41 19 16-0023)		
02 41 19 16-0050 SF Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster.....	1.07	
02 41 19 16-0051 Demolish Stud Framed Interior Partition/Walls (02 41 19 16-0022)		
Note: Includes knock down, loading and clean-up. Includes demo of insulation if required.		
02 41 19 16-0052 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side.....	1.90	
For Heights >14' To 20', Add	0.29	
For Heights >20', Add	0.38	
02 41 19 16-0053 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides.....	2.21	
For Heights >14' To 20', Add	0.33	
For Heights >20', Add	0.44	
02 41 19 16-0054 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side.....	2.43	
For Heights >14' To 20', Add	0.36	
For Heights >20', Add	0.49	
02 41 19 16-0055 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides.....	3.38	
For Heights >14' To 20', Add	0.51	
For Heights >20', Add	0.68	
02 41 19 16-0056 SF Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall.....	1.00	
For Heights >14' To 20', Add	0.15	
For Heights >20', Add	0.20	
02 41 19 16-0057 SF Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall.....	1.19	
For Heights >14' To 20', Add	0.18	
For Heights >20', Add	0.24	
02 50 Site Remediation (02)		
02 58 Snow Control (02 50)		
02 58 13 Snow Fencing (02 58)		
02 58 13 00-0001 Snow/Sand Fence On Steel Posts (02 58 13)		
02 58 13 00-0002 LF Steel Fence Post, 10' On Center With 4' Wood Snow/Sand Fence.....	4.32	1.26
02 60 Contaminated Site Material Removal (02)		
02 61 Removal And Disposal Of Contaminated Soils (02 60)		
02 61 13 Excavation And Handling Of Contaminated Material (02 61)		
See CSI section 31 23 16 00-0000 for excavation.		
02 61 13 00-0001 Excavate Petroleum Contaminated Soil (02 61 13)		
02 61 13 00-0002 CY Excavate Petroleum Contaminated Soil.....	8.56	
Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.		
02 61 13 00-0003 CY Load Excavated Petroleum Contaminated Soil.....	5.02	

02 Existing Conditions**02 60 Contaminated Site Material Removal****02 61 Removal And Disposal Of Contaminated Soils**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 61 13 00-0004 CY Disposal Fees Of Petroleum Contaminated Soil.....	65.32	
02 61 13 00-0005 Accessories For Contaminated Soil Stockpile (02 61 13) See CSI section 31 25 14 23-0001 for sand bags.		
02 61 13 00-0006 SF 30 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	0.83	
02 61 13 00-0007 SF 10 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	0.49	
02 65 Underground Storage Tank Removal (02 60) Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0034 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.		
02 65 00 00-0001 Monitoring, Sampling, Testing And Analysis (02 65)		
02 65 00 00-0002 Field Samples For Testing (02 65 00 00-0001)		
02 65 00 00-0003 EA Collection Of Sludge Sample.....	17.75	
02 65 00 00-0004 EA Collection Of Pumpable Liquids Sample.....	17.75	
02 65 00 00-0005 EA Collection Of Contaminated Soil Sample.....	17.75	
02 65 00 00-0006 Lab Tests For Underground Storage Tank Removal (02 65 00 00-0001) Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.		
02 65 00 00-0007 EA Lab Test - Benzene, Toluene, Ethylbenzene, Xylene 8020 Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	101.34	
02 65 00 00-0008 EA Lab Test - Flashpoint Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	39.41	
02 65 00 00-0009 EA Lab Test - TOX 9020 Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	94.81	
02 65 00 00-0010 EA Lab Test - TPH 8015 Modified Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	101.34	
02 65 00 00-0011 EA Lab Test - TRPH 418.1 Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	78.82	
02 65 00 00-0012 EA Lab Test - VOC Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	213.94	
02 65 00 00-0013 EA Lab Test - Semi-Volatile Organic Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	394.10	
02 65 00 00-0014 EA Lab Test - Oil And Grease 413.1 Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	47.40	
02 65 00 00-0015 EA Lab Test - TCLP (Extraction) - Metals..... Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	84.45	
02 65 00 00-0016 EA Lab Test - TCLP (Extraction) - Semi-Volatile Organic..... Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	112.60	
02 65 00 00-0017 EA Lab Test - Metals 6010 RCRA Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	126.11	
02 65 00 00-0018 EA Lab Test - Metals (Arsenic) 7060 Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	16.89	
02 65 00 00-0019 EA Lab Test - Metals (Selenium) 7740 Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	16.89	
02 65 00 00-0020 EA Lab Test - Metals (Lead) 7421 Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	16.89	
02 65 00 00-0021 EA Lab Test - Metals (Mercury) 7470 Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	31.53	
02 65 00 00-0022 EA Lab Test - PNA/PAH 8100 Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	180.16	
02 65 00 00-0023 EA Lab Test - Fuel Id ASTM D3328-78 Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	65.18	
02 65 00 00-0024 EA Lab Test - pH.....	13.51	
02 65 00 00-0025 EA Lab Test - PCBs In Wastewater.....	168.90	
02 65 00 00-0026 EA Lab Test - Methyl Tertiary Butyl Ether (MTBE)	101.34	
02 65 00 00-0027 Tests, Surveys And Maintenance (02 65 00 00-0001)		
02 65 00 00-0028 EA Site Survey For AST/UST Location By Certified Tank Installer..... Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overflow performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.	703.49	
02 65 00 00-0029 EA Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems Note: By Certified Technician. Write report of findings for action if needed	115.22	
02 65 00 00-0030 EA Check And Report On Monitor Probes..... Note: By Certified Technician	26.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0031 EA Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report.....	194.00	
Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.		
02 65 00 00-0032 EA Replace Anode On Impressed System.....	76.99	
02 65 00 00-0033 EA Replace Power Converter On Impressed System	111.73	
02 65 00 00-0034 EA Replace Monitor Probes	166.18	
02 65 00 00-0035 EA Ultrasonic Test.....	67.38	
02 65 00 00-0036 Tests And Sampling Labor Hours (02 65 00 00-0001)		
02 65 00 00-0037 HR Certified Tank Installer.....	78.81	
02 65 00 00-0038 HR Certified Geologist/Environmentalist.....	78.81	
02 65 00 00-0039 HR Hourly Office Work For Reports Required For EPA.....	75.35	
Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.		
02 65 00 00-0040 Remove Tank Contents (02 65)		
02 65 00 00-0041 Transfer Liquid (02 65 00 00-0040)		
Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042 GAL Transfer Reusable Liquid To Different Tank	0.48	
Note: Per gallon of material transferred.		
02 65 00 00-0043 Remove And Dispose Of Liquid From Tank (02 65 00 00-0040)		
02 65 00 00-0044 GAL Removal and Disposal Of Hazardous Liquids From Tank	1.24	
02 65 00 00-0045 GAL Removal and Disposal Of Non Hazardous Liquid From Tank.....	0.83	
02 65 00 00-0046 Remove And Dispose Of Solids Or Sludge (02 65 00 00-0040)		
Note: Includes scraping and solidifying agent.		
02 65 00 00-0047 GAL Removal and Disposal Of Hazardous Solids Or Sludge From Tank.....	4.17	
02 65 00 00-0048 GAL Removal and Disposal Of Non Hazardous Solids Or Sludge From Tank	1.01	
02 65 00 00-0049 Purge Vapors, Open And Clean Tank (02 65)		
02 65 00 00-0050 Purge Vapors (02 65 00 00-0049)		
02 65 00 00-0051 LB Purge Tank Using Dry Ice.....	2.21	
Note: Approximately 1.5 To 3.0 LBS of dry ice per 100 Gals of tank volume.		
02 65 00 00-0052 High Pressure Water Wash And Rinse Of Tank Interior (02 65 00 00-0049)		
02 65 00 00-0053 EA Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	202.58	
02 65 00 00-0054 EA >275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	260.46	
02 65 00 00-0055 EA >550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	329.92	
02 65 00 00-0056 EA >1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	428.32	
02 65 00 00-0057 EA >2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	798.76	
02 65 00 00-0058 EA >5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	960.82	
02 65 00 00-0059 EA >6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,070.80	
02 65 00 00-0060 EA >8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,284.96	
02 65 00 00-0061 EA >10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,597.52	
02 65 00 00-0062 EA >15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,921.66	
02 65 00 00-0063 EA >20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	2,402.06	
02 65 00 00-0064 EA >30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	3,002.88	
02 65 00 00-0065 EA >40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	3,753.01	
02 65 00 00-0066 Scrape Clean Tank Exterior (02 65 00 00-0049)		
02 65 00 00-0067 EA Up To 275 Gallon Tank, Scrape Clean Tank Exterior.....	138.41	
02 65 00 00-0068 EA >275 To 550 Gallon Tank, Scrape Clean Tank Exterior	184.32	
02 65 00 00-0069 EA >550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior	241.52	
02 65 00 00-0070 EA >1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior	334.46	
02 65 00 00-0071 EA >2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior	740.67	
02 65 00 00-0072 EA >5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior	937.83	
02 65 00 00-0073 EA >6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior	1,097.44	
02 65 00 00-0074 EA >8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior	1,379.64	
02 65 00 00-0075 EA >10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior	1,793.19	
02 65 00 00-0076 EA >15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior	2,250.82	
02 65 00 00-0077 EA >20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior	2,930.75	
02 65 00 00-0078 EA >30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior	3,516.90	
02 65 00 00-0079 EA >40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior	4,396.12	
02 65 00 00-0080 Tank And Piping Removal (02 65)		
Note: Excludes excavation.		
02 65 00 00-0081 Removal And Disposal Of Piping (02 65 00 00-0080)		
Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.		

02	Existing Conditions
02 60	Contaminated Site Material Removal
02 65	Underground Storage Tank Removal



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0082 LF Up To 4", Removal And Disposal Of Piping.....	11.73	
02 65 00 00-0083 LF >4" To 8", Removal And Disposal Of Piping.....	15.63	
02 65 00 00-0084 Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement (02 65 00 00-0080)		
Note: Excludes excavation or backfill.		
02 65 00 00-0085 EA Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	412.23	
02 65 00 00-0086 EA >275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	500.56	
02 65 00 00-0087 EA >550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	588.90	
02 65 00 00-0088 EA >1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	736.12	
02 65 00 00-0089 EA >2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,030.56	
02 65 00 00-0090 EA >5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,295.57	
02 65 00 00-0091 EA >6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,472.24	
02 65 00 00-0092 EA >8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,766.69	
02 65 00 00-0093 EA >10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	2,355.59	
02 65 00 00-0094 EA >15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	2,823.83	
02 65 00 00-0095 EA >20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	3,308.94	
02 65 00 00-0096 EA >30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	3,871.18	
02 65 00 00-0097 EA >40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	4,838.97	
02 65 00 00-0098 Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary (02 65 00 00-0080)		
Note: Includes 1 lengthwise at every 4' O.C. height wise.		
02 65 00 00-0099 EA >1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	527.58	
02 65 00 00-0100 EA >2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	983.86	
02 65 00 00-0101 EA >5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	1,183.48	
02 65 00 00-0102 EA >6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	1,318.94	
02 65 00 00-0103 EA >8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	1,582.73	
02 65 00 00-0104 EA >10,000 To 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	1,967.72	
02 65 00 00-0105 EA >15,000 To 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	2,366.97	
02 65 00 00-0106 EA >20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	2,958.70	
02 65 00 00-0107 EA >30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	3,698.39	
02 65 00 00-0108 EA >40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	4,622.98	
02 65 00 00-0109 Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station (02 65 00 00-0080)		
Note: Includes disposal fee.		
02 65 00 00-0110 EA Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	215.46	
For Each Additional Mile >15 Miles, Add	2.76	
02 65 00 00-0111 EA >275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	297.08	
For Each Additional Mile >15 Miles, Add	3.48	
02 65 00 00-0112 EA >550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	471.90	
For Each Additional Mile >15 Miles, Add	5.22	
02 65 00 00-0113 EA >1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	769.75	
For Each Additional Mile >15 Miles, Add	6.09	
02 65 00 00-0114 EA >2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,358.74	
For Each Additional Mile >15 Miles, Add	10.73	
02 65 00 00-0115 EA >5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,393.56	
For Each Additional Mile >15 Miles, Add	11.61	
02 65 00 00-0116 EA >6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,451.58	
For Each Additional Mile >15 Miles, Add	13.06	
02 65 00 00-0117 EA >8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	2,134.16	
For Each Additional Mile >15 Miles, Add	17.41	
02 65 00 00-0118 EA >10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	2,885.62	
For Each Additional Mile >15 Miles, Add	26.11	
02 65 00 00-0119 EA >15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	3,404.97	
For Each Additional Mile >15 Miles, Add	29.01	
02 65 00 00-0120 EA >20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	4,233.25	
For Each Additional Mile >15 Miles, Add	34.81	
02 65 00 00-0121 EA >30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	6,054.86	
For Each Additional Mile >15 Miles, Add	41.78	
02 65 00 00-0122 EA >40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	7,357.62	
For Each Additional Mile >15 Miles, Add	48.04	
02 65 00 00-0123 Other Storage Tank Removals (02 65 00 00-0080)		
02 65 00 00-0124 GAL Removal Of Cement Lining.....	0.36	
02 65 00 00-0125 GAL Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams.....	0.13	
02 65 00 00-0126 GAL Install Epoxy For Interior Corrosion Protection.....	0.67	
02 65 00 00-0127 Tank Closure Report (02 65 00 00-0080)		
Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.		
02 65 00 00-0128 EA Prepare Tank Closure Report.....	1,758.72	
02 65 00 00-0129 Temporary Tanks (02 65)		



Existing Conditions		02
Contaminated Site Material Removal		02 60
Underground Storage Tank Removal		02 65

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0130 Temporary Holding Tanks <small>(02 65 00 00-0129)</small>		
02 65 00 00-0131 Above Ground Temporary Holding Tanks, Monthly Rental <small>(02 65 00 00-0130)</small>		
02 65 00 00-0132 MO 550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	468.56	
02 65 00 00-0133 MO 630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	468.56	
02 65 00 00-0134 MO 630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	937.13	
02 65 00 00-0135 MO 4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	702.85	
02 65 00 00-0136 MO 4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental	1,639.97	
02 65 00 00-0137 MO 6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental	1,171.41	
02 65 00 00-0138 MO 21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	1,966.66	
02 65 00 00-0139 MO 21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	2,356.87	
02 65 00 00-0140 MO 21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental	3,980.14	
02 65 00 00-0141 Secondary Containment Berm <small>(02 65 00 00-0129)</small>		
02 65 00 00-0142 MO Secondary Containment Berm Monthly Rental	1,015.22	
02 80 Facility Remediation <small>(02)</small>		
02 81 Transportation And Disposal Of Hazardous Materials <small>(02 80)</small>		
02 81 00 00-0001 Hazardous Material Disposal <small>(02 81)</small>		
02 81 00 00-0002 GAL Drain Hazardous (PCB) Oil Filled Equipment And Dispose In Approved Container	8.35	
Note: Includes handling of container and disposal at approved site.		
02 81 00 00-0003 CF Hazardous (PCB) Oil Filled Equipment Disposal At Approved Site	56.43	
Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.		
02 82 Asbestos Remediation <small>(02 80)</small>		
Note: Tasks include materials, equipment (e.g. ladders, high volume vacuum with sound suppression system where required, etc.), mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, HEPA vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, fees, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there are tasks with a unit of measure of EA for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 74 19 00-0034 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0015 for plastic sheeting for containment construction, 02 89 00 00-0027 for decontamination chambers.		
02 82 13 Asbestos Abatement <small>(02 82)</small>		
02 82 13 00-0001 Air Monitoring And Bulk Sampling, Asbestos Testing <small>(02 82 13)</small>		
Note: Testing tasks include packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.		
02 82 13 00-0002 HR Bulk Sampling Or Air Monitoring, Asbestos Testing	53.28	
02 82 13 00-0003 EA 48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	30.61	
02 82 13 00-0004 EA Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	35.89	
02 82 13 00-0005 EA Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	57.00	
02 82 13 00-0006 EA 48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing	98.16	
02 82 13 00-0007 EA Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing	119.27	
02 82 13 00-0008 EA 48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing	24.28	
02 82 13 00-0009 EA Next Day Turnaround, (Air) PCM Test, Asbestos Testing	29.55	
02 82 13 00-0010 EA Same Day Turnaround, (Air) PCM Test, Asbestos Testing	40.11	
02 82 13 00-0011 EA 48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test	30.61	
02 82 13 00-0012 EA Next Day Turnaround, (Air Point Counting) PLM Test	35.89	
02 82 13 00-0013 EA Same Day Turnaround, (Air Point Counting) PLM Test	57.00	
02 82 13 00-0014 EA 48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing	98.16	
02 82 13 00-0015 EA Next Day Turnaround, (Air) TEM Test, Asbestos Testing	112.94	
02 82 13 00-0016 EA Same Day Turnaround, (Air) TEM Test, Asbestos Testing	157.27	
02 82 16 Engineering Control of Asbestos Containing Materials <small>(02 82)</small>		
02 82 16 00-0001 Asbestos Encapsulation (Lock-Down) <small>(02 82 16)</small>		
02 82 16 00-0002 SF Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat	0.94	
02 82 16 00-0003 SF Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound)	1.27	
02 82 16 00-0004 SF Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®)	1.34	
02 82 16 00-0005 SF Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®)	1.49	
02 82 16 00-0006 SF Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®)	4.42	
02 82 16 00-0007 SF Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®)	4.97	
02 82 33 Removal and Disposal of Asbestos Containing Materials <small>(02 82)</small>		
02 82 33 00-0001 Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal <small>(02 82 33)</small>		

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 82 33 00-0002	Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0001) Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.		
02 82 33 00-0003	Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002) See CSI section 02 82 33 00-0017 for projects with less than 10 LF.		
02 82 33 00-0004	EA 10 To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	444.41	
	<i>For Work In Restricted Working Space, Add</i>	133.32	
02 82 33 00-0005	LF >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	22.72	
	<i>For Work In Restricted Working Space, Add</i>	6.82	
02 82 33 00-0006	LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	17.05	
	<i>For Work In Restricted Working Space, Add</i>	5.12	
02 82 33 00-0007	LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	12.79	
	<i>For Work In Restricted Working Space, Add</i>	3.84	
02 82 33 00-0008	LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	9.59	
	<i>For Work In Restricted Working Space, Add</i>	2.88	
02 82 33 00-0009	LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	8.34	
	<i>For Work In Restricted Working Space, Add</i>	2.50	
02 82 33 00-0010	>6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002) See CSI section 02 82 33 00-0017 for projects with less than 10 LF.		
02 82 33 00-0011	EA 10 To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	444.41	
	<i>For Work In Restricted Working Space, Add</i>	133.32	
02 82 33 00-0012	LF >20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	26.14	
	<i>For Work In Restricted Working Space, Add</i>	7.84	
02 82 33 00-0013	LF >250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	19.60	
	<i>For Work In Restricted Working Space, Add</i>	5.88	
02 82 33 00-0014	LF >500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	14.70	
	<i>For Work In Restricted Working Space, Add</i>	4.41	
02 82 33 00-0015	LF >2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	11.02	
	<i>For Work In Restricted Working Space, Add</i>	3.31	
02 82 33 00-0016	LF >10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	9.59	
	<i>For Work In Restricted Working Space, Add</i>	2.88	
02 82 33 00-0017	Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002) Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.		
02 82 33 00-0018	EA Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal.....	479.48	
	<i>For Work In Restricted Working Space, Add</i>	143.84	
02 82 33 00-0019	LF >3 To 20 LF Additional Glove Bag Work for Pipe Insulation.....	71.03	
	<i>For Work In Restricted Working Space, Add</i>	21.31	
02 82 33 00-0020	LF >20 To 250 LF Additional Glove Bag Work for Pipe Insulation.....	27.58	
	<i>For Work In Restricted Working Space, Add</i>	8.27	
02 82 33 00-0021	LF >250 To 500 LF Additional Glove Bag Work for Pipe Insulation.....	20.68	
	<i>For Work In Restricted Working Space, Add</i>	6.20	
02 82 33 00-0022	LF >500 LF Additional Glove Bag Work for Pipe Insulation.....	15.51	
	<i>For Work In Restricted Working Space, Add</i>	4.65	
02 82 33 00-0023	Thermal Insulation, Asbestos Abatement And Disposal (02 82 33 00-0023)		
02 82 33 00-0024	Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal (02 82 33 00-0023) Note: e.g., duct, boiler, tank, etc.		
02 82 33 00-0025	EA Up To 10 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	444.41	
02 82 33 00-0026	SF >10 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	22.72	
02 82 33 00-0027	SF >500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	17.90	
02 82 33 00-0028	SF >2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	13.42	
02 82 33 00-0029	SF >10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	10.07	
02 82 33 00-0030	Surfacing Material, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0031	Fireproofing For Small Areas, Asbestos Abatement And Disposal (02 82 33 00-0030) Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0033 for areas > 1 SF see CSI section.		
02 82 33 00-0032	EA Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal.....	111.10	
	Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.		
02 82 33 00-0033	Fireproofing, Asbestos Abatement And Disposal (02 82 33 00-0030) Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0034	EA Up To 10 SF, Fireproofing, Asbestos Abatement And Disposal.....	444.41	
02 82 33 00-0035	SF >10 To 500 SF, Fireproofing, Asbestos Abatement And Disposal.....	27.27	
02 82 33 00-0036	SF >500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal.....	20.44	
02 82 33 00-0037	SF >2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal.....	15.33	
02 82 33 00-0038	SF >10,000 SF, Fireproofing, Asbestos Abatement And Disposal.....	11.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0039 Acoustical Plaster, Asbestos Abatement And Disposal <small>(02 82 33 00-0030)</small>		
<small>Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.</small>		
02 82 33 00-0040 EA Up To 10 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	444.41	
02 82 33 00-0041 SF >10 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	11.38	
02 82 33 00-0042 SF >500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	8.61	
02 82 33 00-0043 SF >2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	6.39	
02 82 33 00-0044 SF >10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	4.72	
02 82 33 00-0045 Gypsum Wall Board, Asbestos Abatement And Disposal <small>(02 82 33 00-0030)</small>		
02 82 33 00-0046 EA Up To 10 SF, Gypsum Wall Board, Asbestos Abatement And Disposal.....	444.41	
02 82 33 00-0047 SF >10 To 500 SF, Gypsum Wall Board, Asbestos Abatement And Disposal.....	8.75	
02 82 33 00-0048 SF >500 To 2,500 SF, Gypsum Wall Board, Asbestos Abatement And Disposal.....	6.39	
02 82 33 00-0049 SF >2,500 To 10,000 SF, Gypsum Wall Board, Asbestos Abatement And Disposal.....	5.00	
02 82 33 00-0050 SF >10,000 To 50,000 SF, Gypsum Wall Board, Asbestos Abatement And Disposal.....	3.89	
02 82 33 00-0051 SF >50,000 SF, Gypsum Wall Board, Asbestos Abatement And Disposal.....	2.77	
02 82 33 00-0052 Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal <small>(02 82 33 00-0030)</small>		
02 82 33 00-0053 EA Up To 10 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	444.41	
02 82 33 00-0054 SF >10 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	16.61	
02 82 33 00-0055 SF >500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	12.17	
02 82 33 00-0056 SF >2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	9.50	
02 82 33 00-0057 SF >10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	7.39	
02 82 33 00-0058 SF >50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	5.27	
02 82 33 00-0059 Stucco, Asbestos Abatement And Disposal <small>(02 82 33 00-0030)</small>		
02 82 33 00-0060 EA Up To 10 SF, Stucco, Asbestos Abatement And Disposal.....	444.41	
02 82 33 00-0061 SF >10 To 500 SF, Stucco, Asbestos Abatement And Disposal.....	19.32	
02 82 33 00-0062 SF >500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal.....	14.49	
02 82 33 00-0063 SF >2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal.....	10.86	
02 82 33 00-0064 SF >10,000 SF, Stucco, Asbestos Abatement And Disposal.....	8.15	
02 82 33 00-0065 Spray On Acoustical Ceiling, Asbestos Abatement And Disposal <small>(02 82 33 00-0030)</small>		
02 82 33 00-0066 EA Up To 10 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	444.41	
02 82 33 00-0067 SF >10 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	7.40	
02 82 33 00-0068 SF >500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	5.56	
02 82 33 00-0069 SF >2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	4.16	
02 82 33 00-0070 SF >10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	3.12	
02 82 33 00-0071 Plywood, Asbestos Abatement And Disposal <small>(02 82 33 00-0030)</small>		
02 82 33 00-0072 EA Up To 10 SF, Plywood, Asbestos Abatement And Disposal.....	444.41	
02 82 33 00-0073 SF >10 To 500 SF, Plywood, Asbestos Abatement And Disposal.....	9.45	
02 82 33 00-0074 SF >500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal.....	4.54	
02 82 33 00-0075 SF >2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal.....	3.07	
02 82 33 00-0076 SF >10,000 SF, Plywood, Asbestos Abatement And Disposal.....	2.61	
02 82 33 00-0077 Flooring Material, Asbestos Abatement And Disposal <small>(02 82 33)</small>		
02 82 33 00-0078 Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal <small>(02 82 33 00-0077)</small>		
02 82 33 00-0079 Floor Tile Or Linoleum, Asbestos Abatement And Disposal <small>(02 82 33 00-0078)</small>		
<small>Note: Single layer or first of multiple layers. Excludes mastic.</small>		
02 82 33 00-0080 EA Up To 10 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	444.41	
02 82 33 00-0081 SF >10 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	4.54	
<i>For Each Additional Layer, Add</i>	<i>1.14</i>	
02 82 33 00-0082 SF >500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	3.70	
<i>For Each Additional Layer, Add</i>	<i>0.93</i>	
02 82 33 00-0083 SF >2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	2.91	
<i>For Each Additional Layer, Add</i>	<i>0.73</i>	
02 82 33 00-0084 SF >10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	1.97	
<i>For Each Additional Layer, Add</i>	<i>0.49</i>	
02 82 33 00-0085 Carpet, Asbestos Abatement And Disposal <small>(02 82 33 00-0078)</small>		
02 82 33 00-0086 EA Up To 10 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	444.41	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0087 SF >10 To 500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	3.49	
02 82 33 00-0088 SF >500 To 2,500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	2.80	
02 82 33 00-0089 SF >2,500 To 10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	2.01	
02 82 33 00-0090 SF >10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	1.49	
02 82 33 00-0091 Wall Or Cove Base, Asbestos Abatement And Disposal (02 82 33 00-0078) Note: Up to 12".		
02 82 33 00-0092 EA Up To 10 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	166.65	
02 82 33 00-0093 LF >10 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	2.97	
02 82 33 00-0094 LF >100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	1.78	
02 82 33 00-0095 LF >500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	1.11	
02 82 33 00-0096 LF >2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	0.78	
02 82 33 00-0097 Mastic, Asbestos Abatement And Disposal (02 82 33 00-0077) Note: Applies to single layer or bottom layer only of multiple layers. Non hydrocarbon with pine, citrus or no odor.		
02 82 33 00-0098 EA Up To 10 SF, Mastic, Asbestos Abatement And Disposal.....	444.41	
Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0099 SF >10 To 500 SF, Mastic, Asbestos Abatement And Disposal.....	1.14	
Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0100 SF >500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal.....	0.84	
Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0101 SF >2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal.....	0.64	
Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0102 SF >10,000 SF, Mastic, Asbestos Abatement And Disposal.....	0.52	
Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0103 Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal (02 82 33 00-0077) Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.		
02 82 33 00-0104 EA Up To 10 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	444.41	
02 82 33 00-0105 SF >10 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	5.25	
02 82 33 00-0106 SF >500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	3.84	
02 82 33 00-0107 SF >2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	3.00	
02 82 33 00-0108 SF >10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	2.34	
02 82 33 00-0109 Roofing, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0110 Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0109) Note: Includes paint, flashing, sheet metal, insulation, pitch pockets, board etc.		
02 82 33 00-0111 Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0110)		
02 82 33 00-0112 EA Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	444.41	
02 82 33 00-0113 SF >125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.55	
02 82 33 00-0114 SF >1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.84	
02 82 33 00-0115 SF >5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.27	
02 82 33 00-0116 SF >10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1.71	
02 82 33 00-0117 SF >20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1.28	
02 82 33 00-0118 >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0110)		
02 82 33 00-0119 EA Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	444.41	
02 82 33 00-0120 SF >110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.04	
02 82 33 00-0121 SF >1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.22	
02 82 33 00-0122 SF >5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.60	
02 82 33 00-0123 SF >10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1.95	
02 82 33 00-0124 SF >20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1.46	
02 82 33 00-0125 >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0110)		
02 82 33 00-0126 EA Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	444.41	
02 82 33 00-0127 SF >110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0128 SF >1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.58	
02 82 33 00-0129 SF >5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.88	
02 82 33 00-0130 SF >10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.16	
02 82 33 00-0131 SF >20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1.62	
02 82 33 00-0132 Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0109)		
02 82 33 00-0133 Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0132)		
02 82 33 00-0134 EA Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	444.41	
Note: Single or first of multiple layers.		
02 82 33 00-0135 SF >125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	3.55	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	0.89	
02 82 33 00-0136 SF >1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	2.84	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	0.71	
02 82 33 00-0137 SF >5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	2.27	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	0.57	
02 82 33 00-0138 SF >10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	1.71	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	0.43	
02 82 33 00-0139 SF >20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	1.28	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	0.32	
02 82 33 00-0140 Roof Penetration Mastic, Asbestos Abatement And Disposal (02 82 33 00-0109)		
02 82 33 00-0141 EA Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	111.10	
02 82 33 00-0142 SF >10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	1.39	
02 82 33 00-0143 SF >50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	1.14	
02 82 33 00-0144 SF >100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	0.91	
02 82 33 00-0145 SF >250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	0.66	
02 82 33 00-0146 Roof Curb Mastic, Asbestos Abatement And Disposal (02 82 33 00-0109)		
02 82 33 00-0147 EA Up To 10 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	111.10	
02 82 33 00-0148 LF >10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	4.16	
02 82 33 00-0149 LF >20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	3.34	
02 82 33 00-0150 LF >50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	2.77	
02 82 33 00-0151 LF >150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	2.00	
02 82 33 00-0152 Asbestos-Cement Products, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0153 Interior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0152)		
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0154 EA Up To 10 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	444.41	
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0155 SF >10 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	4.54	
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0156 SF >500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	2.27	
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0157 SF >2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	1.82	
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0158 SF >10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	1.58	
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0159 Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0152)		
02 82 33 00-0160 EA Up To 10 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	444.41	
02 82 33 00-0161 SF >10 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	3.95	
02 82 33 00-0162 SF >500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	2.02	
02 82 33 00-0163 SF >2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	1.62	
02 82 33 00-0164 SF >10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	1.40	
02 82 33 00-0165 Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal (02 82 33 00-0152)		
02 82 33 00-0166 EA Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	444.41	
02 82 33 00-0167 LF >10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	22.72	
02 82 33 00-0168 LF >100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	17.05	
02 82 33 00-0169 LF >250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	12.79	
02 82 33 00-0170 LF >500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	9.59	
02 82 33 00-0171 LF >2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	7.19	
02 82 33 00-0172 LF >10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	7.02	
02 82 33 00-0173 Exterior Transite Siding, Asbestos Abatement And Disposal (02 82 33 00-0152)		

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0174 EA Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	444.41	
02 82 33 00-0175 SF >125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	3.55	
02 82 33 00-0176 SF >1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	2.84	
02 82 33 00-0177 SF >5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	2.27	
02 82 33 00-0178 SF >10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1.71	
02 82 33 00-0179 SF >20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1.28	
02 82 33 00-0180 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0181 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33 00-0180)		
02 82 33 00-0182 EA Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	444.41 133.32	
02 82 33 00-0183 CF >10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	44.18 13.25	
02 82 33 00-0184 CF >100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	29.46 8.84	
02 82 33 00-0185 CF >250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	22.12 6.64	
02 82 33 00-0186 CF >500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	17.68 5.30	
02 82 33 00-0187 CF >2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	15.03 4.51	
02 82 33 00-0188 CF >10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	13.51 4.05	
02 82 33 00-0189 Asbestos Contaminated Soil, Asbestos Abatement And Disposal (02 82 33 00-0180)		
02 82 33 00-0190 EA Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	666.61 199.98	
02 82 33 00-0191 CF >10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	44.18 13.25	
02 82 33 00-0192 CF >100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	29.46 8.84	
02 82 33 00-0193 CF >250 To 500 CF, Asbestos Contaminated Asbestos Abatement And Disposal	22.12	
02 82 33 00-0194 CF >500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	17.68 5.30	
02 82 33 00-0195 CF >2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	15.03 4.51	
02 82 33 00-0196 CF >10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	13.51 4.05	
02 82 33 00-0197 Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal (02 82 33 00-0190)		
02 82 33 00-0198 EA Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	444.41	
02 82 33 00-0199 EA >4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	39.77	
02 82 33 00-0200 EA >40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	26.52	
02 82 33 00-0201 EA >60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	19.92	
02 82 33 00-0202 EA >125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	15.91	
02 82 33 00-0203 EA >625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	13.52	
02 82 33 00-0204 EA >1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	12.17	
02 82 33 00-0205 Other Asbestos Containing Materials, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0206 30" To 36" Fire Door, Asbestos Abatement And Disposal (02 82 33 00-0205)		
02 82 33 00-0207 EA Up To 5 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	88.88	
02 82 33 00-0208 EA >5 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	34.08	
02 82 33 00-0209 EA >20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	22.72	
02 82 33 00-0210 HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal (02 82 33 00-0205)		
02 82 33 00-0211 EA Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	222.20	
02 82 33 00-0212 LF >10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.54	
02 82 33 00-0213 LF >50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.41	
02 82 33 00-0214 LF >100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	2.94	
02 82 33 00-0215 LF >250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	2.52	
02 82 33 00-0216 LF >1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	2.16	
02 82 33 00-0217 LF >2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	1.86	
02 82 33 00-0218 Grout, Asbestos Abatement And Disposal (02 82 33 00-0205) Note: e.g. flue grout.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0219 EA Up To 10 LF, Grout, Asbestos Abatement And Disposal.....	166.65	
02 82 33 00-0220 LF >10 To 50 LF, Grout, Asbestos Abatement And Disposal	8.75	
02 82 33 00-0221 LF >50 To 100 LF, Grout, Asbestos Abatement And Disposal	6.02	
02 82 33 00-0222 LF >100 To 250 LF, Grout, Asbestos Abatement And Disposal	5.15	
02 82 33 00-0223 LF >250 To 1,000 LF, Grout, Asbestos Abatement And Disposal	4.44	
02 82 33 00-0224 LF >1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal	3.82	
02 82 33 00-0225 LF >2,500 LF, Grout, Asbestos Abatement And Disposal.....	3.27	
02 82 33 00-0226 Gaskets, Asbestos Abatement And Disposal (02 82 33 00-0205)		
Note: e.g. rope, web cloth, flat.		
02 82 33 00-0227 EA Up To 10 LF, Gaskets, Asbestos Abatement And Disposal.....	166.65	
02 82 33 00-0228 LF >10 To 50 LF, Gaskets, Asbestos Abatement And Disposal	11.79	
02 82 33 00-0229 LF >50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	8.84	
02 82 33 00-0230 LF >250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	7.52	
02 82 33 00-0231 LF >500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	6.77	
02 82 33 00-0232 LF >1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	6.09	
02 82 33 00-0233 LF >2,500 LF, Gaskets, Asbestos Abatement And Disposal	5.79	
02 82 33 00-0234 Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal (02 82 33 00-0205)		
Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 82 33 00-0235 EA Up To 50 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal.....	444.41	
02 82 33 00-0236 SF >50 To 1,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	9.45	
02 82 33 00-0237 SF >1,000 To 2,500 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	4.54	
02 82 33 00-0238 SF >2,500 To 10,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	3.07	
02 82 33 00-0239 SF >10,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	2.61	
02 82 33 00-0240 Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal (02 82 33 00-0205)		
Note: Includes ceiling tile, asbestos barrier paper, and furring strips.		
02 82 33 00-0241 EA Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	444.41	
02 82 33 00-0242 SF >50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	9.45	
02 82 33 00-0243 SF >1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	4.54	
02 82 33 00-0244 SF >2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	3.07	
02 82 33 00-0245 SF >10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	2.61	
02 82 33 00-0246 Caulking, Asbestos Abatement And Disposal (02 82 33 00-0205)		
02 82 33 00-0247 Non Friable Caulking, Asbestos Abatement And Disposal (02 82 33 00-0246)		
02 82 33 00-0248 EA Up To 10 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	166.65	
02 82 33 00-0249 LF >10 To 50 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	6.56	
02 82 33 00-0250 LF >50 To 100 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	4.62	
02 82 33 00-0251 LF >100 To 250 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	3.44	
02 82 33 00-0252 LF >250 To 1,000 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	2.59	
02 82 33 00-0253 LF >1,000 To 2,500 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	2.04	
02 82 33 00-0254 LF >2,500 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	1.77	
02 83 Lead Remediation (02 80)		
Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 74 19 00-0034 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0015 for plastic sheeting for containment construction, 02 89 00 00-0027 for decontamination chambers.		
02 83 19 Lead-Based Paint Remediation (02 83)		
02 83 19 13 Lead-Based Paint Abatement (02 83 19)		
02 83 19 13-0001 Sampling And Testing (02 83 19 13)		
Note: Includes taking sample, delivery to lab and lab fee.		
02 83 19 13-0002 EA X-Ray Fluorescence (XRF) Lead Testing Including Technician, 3 Readings Per Surface.....	36.38	
02 83 19 13-0003 EA Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (5 Day Turnaround) And Lab Fee.....	34.83	
02 83 19 13-0004 EA Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (48 Hour Turnaround) And Lab Fee	52.78	
02 83 19 13-0005 EA Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (24 Hour Turnaround) And Lab Fee	73.88	
02 83 19 13-0006 EA Total Threshold Leaching Concentration (TTL) Lead Test (5 Day Turnaround) And Lab Fee	13.72	
02 83 19 13-0007 EA Total Threshold Leaching Concentration (TTL) Lead Test (24 Hour Turnaround) And Lab Fee	21.11	
02 83 19 13-0008 EA Total Threshold Leaching Concentration (TTL) Lead Test (8 Hour Turnaround) And Lab Fee	26.39	
02 83 19 13-0009 EA Soluble Threshold Limit Concentration (STLC) Lead Test (5 Day Turnaround) And Lab Fee	34.83	
02 83 19 13-0010 EA Soluble Threshold Limit Concentration (STLC) Lead Test (3 Day Turnaround) And Lab Fee	52.78	
02 83 19 13-0011 EA Lead Wipe Samples (5 Day Turnaround) And Lab Fee	5.81	
02 83 19 13-0012 EA Lead Wipe Samples (24 Hour Turnaround) And Lab Fee.....	7.92	

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 83 19 13-0013	EA	Lead Wipe Samples (8 Hour Turnaround) And Lab Fee.....	11.61
02 83 19 13-0014	EA	Lead Air Samples (5 Day Turn -Around) And Lab Fee.....	5.81
02 83 19 13-0015	EA	Lead Air Samples (24 Hour Turnaround) And Lab Fee.....	7.92
02 83 19 13-0016	EA	Lead Air Samples (8 Hour Turnaround) And Lab Fee.....	11.61
02 83 19 13-0017	EA	Lead Water Test (5 Day Turnaround) and Lab Fee.....	21.11
02 83 19 13-0018	EA	Lead Water Test (24 Hour Turnaround) and Lab Fee.....	31.66
02 83 19 13-0019	EA	Lead Water Test (8 Hour Turnaround) and Lab Fee.....	42.22
02 83 19 13-0020	EA	Lead Paint Chip Test (5 Day Turnaround) and Lab Fee.....	21.83
02 83 19 13-0021	EA	Lead Soil Test (5 Day Turnaround) and Lab Fee.....	43.66
02 83 19 13-0022	EA	Sample Pickup, Per Trip.....	31.66

02 83 19 13-0023**Chemical Stripping Of Lead Contaminated Material** (02 83 19 13)

Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not limited to, chromium, cadmium and mercury.

02 83 19 13-0024	SF	Balustrades, Simple, Chemical Stripping Of Lead Contaminated Material.....	20.40
02 83 19 13-0025	SF	Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material.....	30.46
02 83 19 13-0026	LF	Up To 6" Wide Baseboard, Chemical Stripping Of Lead Contaminated Material.....	8.68
02 83 19 13-0027	LF	>6" To 12" Wide Baseboard, Chemical Stripping Of Lead Contaminated Material.....	18.00
02 83 19 13-0028	SF	Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material.....	5.65
02 83 19 13-0029	SF	Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material.....	21.84
02 83 19 13-0030	SF	Cabinets, Simple Design, Chemical Stripping Of Lead Contaminated Material.....	17.07
02 83 19 13-0031	SF	Ceilings, All, Chemical Stripping Of Lead Contaminated Material.....	7.92
02 83 19 13-0032	SF	Columns, Chemical Stripping Of Lead Contaminated Material.....	7.52
02 83 19 13-0033	SF	Cornice, Simple, Chemical Stripping Of Lead Contaminated Material.....	9.29
02 83 19 13-0034	SF	Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material.....	27.10
02 83 19 13-0035	SF	Doors, One Side Flush, Chemical Stripping Of Lead Contaminated Material.....	6.66
02 83 19 13-0036	SF	Doors, One Panel, Chemical Stripping Of Lead Contaminated Material.....	6.96
02 83 19 13-0037	SF	Doors, Four Panel, Chemical Stripping Of Lead Contaminated Material.....	12.25
02 83 19 13-0038	EA	Electrical Devices, Chemical Stripping Of Lead Contaminated Material.....	89.88
02 83 19 13-0039	LF	Trim Or Frames, One Side, Chemical Stripping Of Lead Contaminated Material.....	8.65
02 83 19 13-0040	LF	Up To 2" Electrical Conduit, Chemical Stripping Of Lead Contaminated Material.....	3.75
02 83 19 13-0041	SF	Fence, Picket, Chemical Stripping Of Lead Contaminated Material.....	18.31
02 83 19 13-0042	SF	Floors, Wood, Chemical Stripping Of Lead Contaminated Material.....	4.60
02 83 19 13-0043	SF	Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material.....	21.84
02 83 19 13-0044	SF	Grilles, Simple, Chemical Stripping Of Lead Contaminated Material.....	18.26
02 83 19 13-0045	EA	Hinges, Chemical Stripping Of Lead Contaminated Material.....	11.14
02 83 19 13-0046	EA	Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material.....	13.84
02 83 19 13-0047	LF	Up To 4" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material.....	6.17
02 83 19 13-0048	LF	>4" To 8" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material.....	11.09
02 83 19 13-0049	LF	>8" To 12" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material.....	15.26
02 83 19 13-0050	LF	>12" To 16" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material.....	27.51
02 83 19 13-0051	SF	>16" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area.....	8.27
02 83 19 13-0052	EA	Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material.....	165.59
02 83 19 13-0053	EA	Shutters Front And Back Louvered, Up To 6', Chemical Stripping Of Lead Contaminated Material.....	185.98
02 83 19 13-0054	EA	Shutters Flat, Chemical Stripping Of Lead Contaminated Material.....	136.59
02 83 19 13-0055	SF	Siding, Chemical Stripping Of Lead Contaminated Material.....	6.28
02 83 19 13-0056	SF	Soffit, Chemical Stripping Of Lead Contaminated Material.....	13.74
02 83 19 13-0057	SF	Steel, Flat Surfaces And Tanks Up To 12', Chemical Stripping Of Lead Contaminated Material.....	6.14
02 83 19 13-0058	SF	Steel Beams, Chemical Stripping Of Lead Contaminated Material.....	6.99
02 83 19 13-0059	SF	Trusses, Chemical Stripping Of Lead Contaminated Material.....	10.05
02 83 19 13-0060	SF	Walls, Wood, Chemical Stripping Of Lead Contaminated Material.....	6.99
02 83 19 13-0061	SF	Windows, One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material.....	16.55
02 83 19 13-0062	SF	Windows, One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material.....	18.16
02 83 19 13-0063	SF	Windows, One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material.....	19.23
02 83 19 13-0064	SF	Windows, One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material.....	20.31
02 83 19 13-0065	SF	Windows, One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material.....	21.40
02 83 19 13-0066	SF	Windows, One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material.....	22.52
02 83 19 13-0067	SF	Windows, One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material.....	23.57
02 83 19 13-0068	SF	Windows, One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material.....	24.12
02 83 19 13-0069	SF	Windows, One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material.....	24.66
02 83 19 13-0070	SF	Windows, One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material.....	25.19
02 83 19 13-0071	SF	Metal Stair, Chemical Stripping Of Lead Contaminated Material.....	33.04
02 83 19 13-0072	SF	Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material.....	16.62
02 83 19 13-0073	LF	Ornate Railings, Chemical Stripping Of Lead Contaminated Material.....	5.59

02 83 19 13-0074**Demolish Lead Contaminated Material** (02 83 19 13)

Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not limited to, chromium, cadmium and mercury.

02 83 19 13-0075	SF	Demolish Ceiling Including Suspension System, Plaster, Lath, Lead Contaminated Material.....	1.48
02 83 19 13-0076	SF	Demolish Finished Plaster/Stucco, Leaving Wire Lath, Lead Contaminated Material.....	2.16
02 83 19 13-0077	SF	Demolish Suspended Acoustical Ceiling System, Including Tile, Lead Contaminated Material.....	0.86
02 83 19 13-0078	SF	Demolish Acoustical Ceiling Tile, Lead Contaminated Material.....	0.55
02 83 19 13-0079	SF	Demolish Metal Pan Grid System, Lead Contaminated Material.....	0.86
02 83 19 13-0080	SF	Demolish Gypsum Board, Lead Contaminated Material.....	0.69
02 83 19 13-0081	EA	Demolish Up To 2' x 4' Light Fixtures, Lead Contaminated Material.....	41.38
02 83 19 13-0082	EA	Demolish >2' x 4' Light Fixtures, Lead Contaminated Material.....	54.88



MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0083	SF	Demolish Non Load Bearing Partitions, Plaster, Lath And Studs, Lead Contaminated Material.....	6.13	
02 83 19 13-0084	SF	Demolish Non Load Bearing Partitions, Gypsum Board And Studs, Lead Contaminated Material.....	3.43	
02 83 19 13-0085	SF	Removal Of Lead Paint On Brick Or Concrete Block, Lead Contaminated Material.....	3.77	
02 83 19 13-0086	IN	Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth.....	2.93	
02 83 19 13-0087	IN	Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth.....	3.89	
02 83 19 13-0088	SF	Demolish Balustrades And Railings, Lead Contaminated Material.....	4.29	
02 83 19 13-0089	LF	Demolish Up To 6" Wide Baseboard, Lead Contaminated Material.....	1.12	
02 83 19 13-0090	LF	Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material.....	1.39	
02 83 19 13-0091	LF	Demolish Base Shoe Molding, Lead Contaminated Material.....	0.91	
02 83 19 13-0092	SF	Demolish Brick, Lead Contaminated Material.....	2.58	
02 83 19 13-0093	SF	Demolish Concrete Block, Lead Contaminated Material.....	3.33	
02 83 19 13-0094	SF	Demolish Concrete, Lead Contaminated Material.....	8.53	
02 83 19 13-0095	LF	Demolish Cabinets, Lead Contaminated Material.....	19.88	
02 83 19 13-0096	SF	Demolish Ceilings, Gypsum Board, Lead Contaminated Material.....	1.13	
02 83 19 13-0097	SF	Demolish Up To 12" Diameter Columns, Lead Contaminated Material.....	11.02	
02 83 19 13-0098	SF	Demolish Cornice, Lead Contaminated Material.....	1.47	
02 83 19 13-0099	EA	Demolish Doors, Lead Contaminated Material.....	43.12	
02 83 19 13-0100	LF	Demolish Door And Window Trim Or Frames, Lead Contaminated Material.....	1.31	
02 83 19 13-0101	EA	Demolish Electrical Devices, Lead Contaminated Material.....	13.23	
02 83 19 13-0102	LF	Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material.....	1.70	
02 83 19 13-0103	LF	Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material.....	2.83	
02 83 19 13-0104	SF	Demolish Fence, Picket, Lead Contaminated Material.....	1.63	
02 83 19 13-0105	SF	Demolish Wood Floors, Lead Contaminated Material.....	2.04	
02 83 19 13-0106	SF	Demolish Grilles, Lead Contaminated Material.....	2.39	
02 83 19 13-0107	EA	Demolish Hinges, Lead Contaminated Material.....	4.81	
02 83 19 13-0108	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material.....	10.34	
02 83 19 13-0109	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material.....	4.24	
02 83 19 13-0110	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material.....	6.18	
02 83 19 13-0111	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material.....	9.34	
02 83 19 13-0112	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material.....	17.23	
02 83 19 13-0113	EA	Demolish Radiators, Lead Contaminated Material.....	74.43	
02 83 19 13-0114	EA	Demolish Shutters And Louvered, Up To 6', Lead Contaminated Material.....	29.01	
02 83 19 13-0115	SF	Demolish Siding, Lead Contaminated Material.....	1.15	
02 83 19 13-0116	SF	Demolish Up To 12" Wide Soffit, Lead Contaminated Material.....	0.98	
02 83 19 13-0117	SF	Demolish Steel, Flat Surfaces And Tanks Up To 12', Lead Contaminated Material.....	2.68	
02 83 19 13-0118	SF	Demolish Steel Beams, Lead Contaminated Material.....	3.16	
02 83 19 13-0119	SF	Demolish Trusses, Lead Contaminated Material.....	4.14	
02 83 19 13-0120	SF	Demolish Walls, Wood, Lead Contaminated Material.....	3.06	
02 83 19 13-0121	SF	Demolish Windows, Lead Contaminated Material.....	10.30	
02 83 19 13-0122	SF	Demolish Metal Stair, Lead Contaminated Material.....	4.93	
02 83 19 13-0123	LF	Demolish Metal Railing And Posts, Lead Contaminated Material.....	5.92	
02 83 19 13-0124	SF	Demolish Plywood, Lead Contaminated Material.....	4.45	
02 83 19 13-0125	SF	Demolish Planks (Various Sizes), Lead Contaminated Material.....	2.18	
02 83 19 13-0126	SF	Demolish Ceramic Tile, Walls Or Floor, Lead Contaminated Material.....	2.51	
02 83 19 13-0127	EA	Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material.....	13.58	
02 83 19 13-0128	SF	Demolish Ceramic Tile Block, Lead Contaminated Material.....	2.96	
02 83 19 13-0129	LF	Demolish Metal Hand Rails, Lead Contaminated Material.....	3.62	
02 83 19 13-0130	LF	Demolish Metal Guard Rails, Lead Contaminated Material.....	8.15	
02 83 19 13-0131	LF	Demolish Roof Metal Trim, Lead Contaminated Material.....	1.74	
02 83 19 13-0132	LF	Demolish Rain Gutters, Lead Contaminated Material.....	1.90	
02 83 19 13-0133	LF	Demolish Downspouts, Lead Contaminated Material.....	1.90	
02 83 19 13-0134	LF	Demolish Roof Metal Flashing, Lead Contaminated Material.....	1.74	
02 83 19 13-0135	LF	Demolish Fascia Board Up To 12", Lead Contaminated Material.....	4.35	
02 83 19 13-0136		Wet Sanding Of Lead Contaminated Material (02 83 19 13)		
02 83 19 13-0137	SF	Wet Sand/Scrape Of Lead Contaminated Material For Prep Before New Paint.....	1.18	
02 83 19 13-0138		Lead Abatement Encapsulation (02 83 19 13)		
Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.				
02 83 19 13-0139	SF	Balustrades, Lead Abatement Encapsulation.....	3.86	
02 83 19 13-0140	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation.....	4.36	
02 83 19 13-0141	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation.....	5.90	
02 83 19 13-0142	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation.....	2.51	
02 83 19 13-0143	SF	Ornate Cabinets, Lead Abatement Encapsulation.....	5.53	
02 83 19 13-0144	SF	Simple Design Cabinets, Lead Abatement Encapsulation.....	4.53	
02 83 19 13-0145	SF	Drywall Ceilings, Lead Abatement Encapsulation.....	1.62	
02 83 19 13-0146	SF	Wood Ceilings, Lead Abatement Encapsulation.....	1.93	
02 83 19 13-0147	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation.....	1.81	
02 83 19 13-0148	SF	Columns, Lead Abatement Encapsulation.....	3.02	
02 83 19 13-0149	SF	Doors, Lead Abatement Encapsulation.....	6.48	
02 83 19 13-0150	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation.....	2.50	
02 83 19 13-0151	SF	Picket Fence (Brush), Lead Abatement Encapsulation.....	1.84	
02 83 19 13-0152	SF	Wood Floors (Roller), Lead Abatement Encapsulation.....	1.55	
02 83 19 13-0153	SF	Grilles, Vents, Lead Abatement Encapsulation.....	4.14	
02 83 19 13-0154	LF	Gutters And Downspouts, Lead Abatement Encapsulation.....	3.86	
02 83 19 13-0155	EA	Hangers, Lead Abatement Encapsulation.....	32.11	
02 83 19 13-0156	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	2.34	
02 83 19 13-0157	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	3.43	

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 83 19 13-0158	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation	5.35
02 83 19 13-0159	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation	7.90
02 83 19 13-0160	EA	Radiators, Lead Abatement Encapsulation	139.77
02 83 19 13-0161	EA	Up To 6' Shutters, Lead Abatement Encapsulation	120.55
02 83 19 13-0162	SF	Siding, Lead Abatement Encapsulation	2.18
02 83 19 13-0163	SF	Up To 12" Soffit, Lead Abatement Encapsulation	3.02
02 83 19 13-0164	SF	Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation.....	2.51
02 83 19 13-0165	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation.....	3.25
02 83 19 13-0166	SF	Trusses, Lead Abatement Encapsulation	3.25
02 83 19 13-0167	SF	Drywall Walls, Lead Abatement Encapsulation.....	1.43
02 83 19 13-0168	SF	Wood Walls, Lead Abatement Encapsulation.....	1.75
02 83 19 13-0169	EA	Window Without Grille, Lead Abatement Encapsulation	121.39
02 83 19 13-0170	EA	Window With Grille, Lead Abatement Encapsulation.....	142.74
02 83 19 13-0171	LF	Frames And Trim, Lead Abatement Encapsulation.....	2.17
02 83 19 13-0172	LF	Steel Lintels, Lead Abatement Encapsulation.....	2.51

02 83 33 Removal and Disposal of Material Containing Lead (02 83)**02 83 33 13 Lead-Based Paint Removal and Disposal (02 83 33)**

02 83 33 13-0001		Remove Loose Dirt And Debris Containing Lead (02 83 33 13)	
02 83 33 13-0002	SF	HEPA Vacuum And Wet Clean Lead Contaminated Area With Mild Detergent.....	0.18
02 83 33 13-0003	SF	HEPA Vacuum And Wet Clean Lead Contaminated Area With Tri-Sodium Phosphate.....	0.22
02 83 33 13-0004	SF	HEPA Vacuum And Shampoo Lead Contaminated Carpeting.....	0.86

02 84 Polychlorinate Biphenyl Remediation (02 80)**02 84 16 Handling Of Lighting Ballasts and Lamps Containing PBCs and Mercury (02 84)**

02 84 16 00-0001		Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures (02 84 16)	
		Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.	
02 84 16 00-0002	EA	Removal Of TSCA-Exempt PCB And Non-PCB Ballast From A Demolished Fixture For Recycling	5.63
02 84 16 00-0003		Recycle TSCA-Exempt PCB And Non-PCB Ballasts (02 84 16)	
		Note: Non leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.	
02 84 16 00-0004	EA	Recycle Non-PCB Ballast Removed From Up To 4' Length Fixtures.....	0.88
02 84 16 00-0005	EA	Recycle Non-PCB Ballast Removed From >4' To 8' Length Fixtures	1.32
02 84 16 00-0006	EA	Recycle TSCA-Exempt PCB Ballast Removed From Up To 4' Length Fixtures.....	4.11
02 84 16 00-0007	EA	Recycle TSCA-Exempt PCB Ballast Removed From >4' To 8' Length Fixtures	9.39
02 84 16 00-0008		Disposal Of Leaking PCB And Non-PCB Ballasts (02 84 16)	
		Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.	
02 84 16 00-0009	EA	Dispose Of Leaking Non-PCB Ballast Removed From Up To 4' Length Fixtures	2.20
02 84 16 00-0010	EA	Dispose Of Leaking Non-PCB Ballast Removed From >4' To 8' Length Fixtures.....	3.30
02 84 16 00-0011	EA	Dispose Of Leaking PCB Ballast Removed From Up To 4' Length Fixtures.....	6.16
02 84 16 00-0012	EA	Dispose Of Leaking PCB Ballast Removed From >4' To 8' Length Fixtures.....	14.08

02 86 Hazardous Waste Drum Handling (02 80)

02 86 00 00-0001		Hazardous Waste Packaging (02 86)	
02 86 00 00-0002		Overpacks (02 86 00 00-0001)	
02 86 00 00-0003		Steel Salvage Drums, 16 Gauge (02 86 00 00-0002)	
02 86 00 00-0004	EA	110 Gallon, 30" Diameter X 41" High.....	192.76
02 86 00 00-0005	EA	85 Gallon, 26" Diameter X 38" High.....	109.73
02 86 00 00-0006	EA	83 Gallon, 26" Diameter X 36" High.....	105.90
02 86 00 00-0007	EA	55 Gallon, DOT 17C, 18" Diameter X 34" High.....	66.26
02 86 00 00-0008	EA	30 Gallon, DOT 17C, 18" Diameter X 28" High.....	52.19
02 86 00 00-0009	EA	22 Gallon, 16" Diameter X 25" High.....	35.17
02 86 00 00-0010	EA	15 Gallon, DOT 17C, 14" Diameter X 24" High.....	31.79
02 86 00 00-0011	EA	10 Gallon, 13.8" Diameter X 15" High.....	28.02
02 86 00 00-0012		Polyethylene Overpacks (02 86 00 00-0002)	
02 86 00 00-0013	EA	95 Gallon, DOT E9618, Twist On Lid 31" Diameter X 41" High	217.74
02 86 00 00-0014	EA	20 Gallon, Labpack, Twist On Lid 21" Diameter X 7.5" High	40.24
02 86 00 00-0015	EA	85 Gallon, DOT E9775, Clamp Ring Lid, 27" Diameter X 41" High.....	197.02
02 86 00 00-0016		Composite Overpacks (02 86 00 00-0002)	
02 86 00 00-0017	EA	55 Gal, DOT 17C, Steel Drum Nested With 2-20 Gallon Fiber Drums.....	106.92
02 86 00 00-0018	EA	55 Gal, DOT 17C, Steel Drum Nested With 4-10 Gallon Fiber Drums	146.72
02 86 00 00-0019	EA	85 Gal, 16 Gauge Salvage Drum Nested With 3-20 Gallon Fiber Drums	199.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 86 00 00-0020	DOT E-9168 Exempt Packaging (02 86 00 00-0002)	
02 86 00 00-0021	EA 32 Oz Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	9.78
02 86 00 00-0022	EA 950 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	10.32
02 86 00 00-0023	EA 500 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	10.09
02 86 00 00-0024	EA 250 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	5.00
02 86 00 00-0025	EA Can, Carton, Insert, Tape - Corrosive And Flammable - UPS	5.73
02 86 00 00-0026	EA 16 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS	3.93
02 86 00 00-0027	EA 32 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS	5.11

02 86 00 00-0028	Steel Drums (02 86 00 00-0001)	
02 86 00 00-0029	UN Rated Steel Drums (02 86 00 00-0028)	
02 86 00 00-0030	EA 8 Gallon, 17C, Open	35.90
02 86 00 00-0031	EA 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (25-49)	923.11
02 86 00 00-0032	EA UN 1A2/X 320/S 55 Gallon, Open, 16 Gauge, Steel Drum	65.74
02 86 00 00-0033	EA 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (10-24)	744.90
02 86 00 00-0034	EA 55 Gallon Reconditioned Steel 17h Drum (50+)	35.12
02 86 00 00-0035	EA 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (25-49)	730.88
02 86 00 00-0036	EA UN 1A2/X 320/S 55 Gallon, Closed, 16 Gauge, Steel Drum	62.13
02 86 00 00-0037	EA 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (50+)	875.05
02 86 00 00-0038	EA 55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (10-24)	1,069.28
02 86 00 00-0039	EA 55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (25-49)	1,049.26
02 86 00 00-0040	EA 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (1-9)	967.16
02 86 00 00-0041	EA UN 1A2/Y 1.4/100 55 Gallon, Open, 16 Gauge, Steel Drum	50.38
02 86 00 00-0042	EA 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (50+)	658.79
02 86 00 00-0043	EA 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (10-24)	949.14
02 86 00 00-0044	EA UN 1A2/Y 1.4/100 55 Gallon, Closed, 16 Gauge, Steel Drum	39.70
02 86 00 00-0045	EA 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9)	620.75
02 86 00 00-0046	EA 55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (50+)	945.14
02 86 00 00-0047	EA UN 1A2/X 160/S 30 Gallon, Open, 18 Gauge, Steel Drum	46.02
02 86 00 00-0048	EA 55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9)	1,009.21
02 86 00 00-0049	EA 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	596.72
02 86 00 00-0050	EA 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (25-49)	855.03
02 86 00 00-0051	EA 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	570.69
02 86 00 00-0052	EA 55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	985.18
02 86 00 00-0053	EA UN 1A2/Y 1.4/100 30 Gallon, Open, 18 Gauge, Steel Drum	39.12
02 86 00 00-0054	EA 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (50+)	810.97
02 86 00 00-0055	EA 55 Gallon Reconditioned Steel 17h Drum (1-9)	51.51
02 86 00 00-0056	EA 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	550.66
02 86 00 00-0057	EA 55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	967.16
02 86 00 00-0058	EA 30 Gallon, 17E, Open	28.38
02 86 00 00-0059	EA 55 Gallon Reconditioned Steel 17h Drum (10-24)	45.65
02 86 00 00-0060	EA 20 Gallon, 17C, Open	39.89
02 86 00 00-0061	EA 55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	871.05
02 86 00 00-0062	EA 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (1-9)	1,043.25
02 86 00 00-0063	EA 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (1-9)	762.92
02 86 00 00-0064	EA 55 Gallon Reconditioned Steel 17h Drum (25-49)	39.80
02 86 00 00-0065	EA 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (10-24)	1,023.23
02 86 00 00-0066	EA 20 Gallon, 17E, Open	26.85

02 86 00 00-0067	Plastic Drums (02 86 00 00-0001)	
02 86 00 00-0068	Polyethylene Closed Head Drums (02 86 00 00-0067)	
	Note: Closed head drums have standard NPS (National Pipe Standard) plug and drain vents. Primarily for liquids.	
02 86 00 00-0069	EA 55 Gallon Polyethylene Closed Head Drums	41.27
02 86 00 00-0070	EA 35 Gallon Polyethylene Closed Head Drums	31.68
02 86 00 00-0071	EA 30 Gallon Polyethylene Closed Head Drums	28.77
02 86 00 00-0072	EA 20 Gallon Polyethylene Closed Head Drums	20.10
02 86 00 00-0073	EA 15 Gallon Polyethylene Closed Head Drums	19.71

02 86 00 00-0074	Polyethylene Open Head Drums (02 86 00 00-0067)	
	Note: Open head drums are primarily used for solids and sludge.	
02 86 00 00-0075	EA 55 Gallon Polyethylene Open Head Drums	52.16
02 86 00 00-0076	EA 35 Gallon Polyethylene Open Head Drums	38.35
02 86 00 00-0077	EA 30 Gallon Polyethylene Open Head Drums	36.44
02 86 00 00-0078	EA 20 Gallon Polyethylene Open Head Drums	26.85
02 86 00 00-0079	EA 15 Gallon Polyethylene Open Head Drums	23.01

02 86 00 00-0080	Fiber Drums (02 86 00 00-0001)	
02 86 00 00-0081	Steel Top/Fiber Bottom Drums, Hazardous (02 86 00 00-0080)	
	Note: Waste fiber drums have tubular rubber gaskets and caulked bottom seams.	
02 86 00 00-0082	EA 30 Gallon Fiber Drum DOT-21C (1-9)	31.60
02 86 00 00-0083	EA 30 Gallon Fiber Drum DOT-21C (10-24)	29.61
02 86 00 00-0084	EA 30 Gallon Fiber Drum DOT-21C (25-49)	27.00
02 86 00 00-0085	EA 30 Gallon Fiber Drum DOT-21C (50+)	26.69

02	Existing Conditions
02 80	Facility Remediation
02 86	Hazardous Waste Drum Handling



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 86 00 00-0086	EA		55 Gallon Fiber Drum DOT-21C (1-9).....	32.52	
02 86 00 00-0087	EA		55 Gallon Fiber Drum DOT-21C (10-24).....	30.68	
02 86 00 00-0088	EA		55 Gallon Fiber Drum DOT-21C (25-49).....	28.38	
02 86 00 00-0089	EA		55 Gallon Fiber Drum DOT-21C (50-99).....	27.46	
02 86 00 00-0090	EA		55 Gallon Fiber Drum DOT-21C (100+).....	23.78	
02 86 00 00-0091	EA		10 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	20.25	
02 86 00 00-0092	EA		20 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	22.09	
02 86 00 00-0093	EA		20 Gallon, 23" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	25.77	
02 86 00 00-0094			Loading Hazardous Waste For Shipment (02 86 00 00-0001)		
02 86 00 00-0095	EA		Load Drums On Disposal Truck.....	7.04	
02 86 00 00-0096	EA		Load Liquid Or Sludge Into 5,000 Gallon Bulk Tank Truck	731.32	
02 86 00 00-0097			Transport Drums To Landfill (02 86 00 00-0001)		
			Note: Includes transportation for up to 25 miles.		
02 86 00 00-0098	EA		Transport Drum To Landfill	49.66	
			Note: Includes transportation for up to 25 miles.		
02 87			Bio-Hazard Material Remediation (02 80)		
			Note: Tasks includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.		
02 87 13			Mold Remediation (02 87)		
			Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which task applies. See CSI section 01 74 19 00-0034 for hauling in excess of 25 miles to transfer or disposal site, 02 81 00 00-0000 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0015 for plastic sheeting for containment construction, 02 89 00 00-0027 for decontamination chambers.		
02 87 13 33			Removal and Disposal of Materials with Mold (02 87 13)		
02 87 13 33-0001			Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal (02 87 13 33)		
			Note: Treat fittings as additional lf of insulation.		
02 87 13 33-0002			Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0001)		
			Note: Diameter is outer size of insulation.		
02 87 13 33-0003			Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)		
			Note: Excludes encased fittings.		
02 87 13 33-0004	LF		Up To 25 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	23.03	
02 87 13 33-0005	LF		>25 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	17.19	
02 87 13 33-0006	LF		>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	12.88	
02 87 13 33-0007	LF		>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	9.67	
02 87 13 33-0008	LF		>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	7.25	
02 87 13 33-0009	LF		>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	6.31	
02 87 13 33-0010			>6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)		
02 87 13 33-0011	LF		Up To 25 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	26.48	
02 87 13 33-0012	LF		>25 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	19.77	
02 87 13 33-0013	LF		>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	14.82	
02 87 13 33-0014	LF		>500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	11.11	
02 87 13 33-0015	LF		>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	8.34	
02 87 13 33-0016	LF		>10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	7.25	
02 87 13 33-0017			Thermal Insulation, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0018			Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal (02 87 13 33-0017)		
02 87 13 33-0019	SF		Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal.....	13.88	
02 87 13 33-0020	SF		>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	9.87	
02 87 13 33-0021	SF		>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	7.40	
02 87 13 33-0022	SF		>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	5.56	
02 87 13 33-0023	SF		>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	4.26	
02 87 13 33-0024			Surfacing Material, Mold Abatement And Disposal (02 87 13 33)		
			Note: e.g. fireproofing, acoustical plaster, etc.		
02 87 13 33-0025			Stucco, Mold Abatement And Disposal (02 87 13 33-0024)		
			Note: Remove surface coat from brown coat or remove entire assembly, including lath.		
02 87 13 33-0026	SF		Up To 100 SF, Stucco, Mold Abatement And Disposal.....	13.88	
02 87 13 33-0027	SF		>100 To 500 SF, Stucco, Mold Abatement And Disposal	9.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0028 SF >500 To 2,500 SF, Stucco, Mold Abatement And Disposal	7.40	
02 87 13 33-0029 SF >2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	5.56	
02 87 13 33-0030 SF >10,000 SF, Stucco, Mold Abatement And Disposal	4.18	
02 87 13 33-0031 Acoustical Plaster, Mold Abatement And Disposal (02 87 13 33-0024) Note: Remove surface coat from brown coat or remove entire assembly, including lath.		
02 87 13 33-0032 SF Up To 100 SF, Acoustical Plaster, Mold Abatement And Disposal	13.88	
02 87 13 33-0033 SF >100 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal	9.87	
02 87 13 33-0034 SF >500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal	7.40	
02 87 13 33-0035 SF >2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	5.56	
02 87 13 33-0036 SF >10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	4.18	
02 87 13 33-0037 Gypsum Board, Mold Abatement And Disposal (02 87 13 33-0024)		
02 87 13 33-0038 SF Up To 100 SF, Gypsum Board, Mold Abatement And Disposal	4.45	
02 87 13 33-0039 SF >100 To 500 SF, Gypsum Board, Mold Abatement And Disposal	3.20	
02 87 13 33-0040 SF >500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal	2.50	
02 87 13 33-0041 SF >2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal	1.95	
02 87 13 33-0042 SF >10,000 SF, Gypsum Board, Mold Abatement And Disposal	1.39	
02 87 13 33-0043 Fireproofing, Mold Abatement And Disposal (02 87 13 33-0024) Note: Exposed surface area, includes associated overspray.		
02 87 13 33-0044 SF Up To 100 SF, Fireproofing, Mold Abatement And Disposal	13.88	
02 87 13 33-0045 SF >100 To 500 SF, Fireproofing, Mold Abatement And Disposal	13.61	
02 87 13 33-0046 SF >500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal	10.22	
02 87 13 33-0047 SF >2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal	7.66	
02 87 13 33-0048 SF >10,000 SF, Fireproofing, Mold Abatement And Disposal	5.75	
02 87 13 33-0049 Flooring, Mold Abatement And Disposal (02 87 13 33) Note: Includes cove base.		
02 87 13 33-0050 Floor Tile Or Linoleum, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0051 Floor Tile Or Linoleum, Mold Abatement And Disposal (02 87 13 33-0050) Note: Single layer or first of multiple layers.		
02 87 13 33-0052 SF Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	5.05	
For Each Additional Layer, Add	1.26	
02 87 13 33-0053 SF >100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	3.17	
For Each Additional Layer, Add	0.79	
02 87 13 33-0054 SF >500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.71	
For Each Additional Layer, Add	0.43	
02 87 13 33-0055 SF >2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	0.92	
For Each Additional Layer, Add	0.23	
02 87 13 33-0056 SF >10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	0.68	
For Each Additional Layer, Add	0.17	
02 87 13 33-0057 Carpet, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0058 Carpet, Glue Down, Mold Abatement And Disposal (02 87 13 33-0057)		
02 87 13 33-0059 SF Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal	4.04	
02 87 13 33-0060 SF >100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal	2.61	
02 87 13 33-0061 SF >500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.59	
02 87 13 33-0062 SF >2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.01	
02 87 13 33-0063 SF >10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	0.74	
02 87 13 33-0064 Carpet, Padded With Tack Strips, Mold Abatement And Disposal (02 87 13 33-0057)		
02 87 13 33-0065 SF Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal	4.45	
Note: Includes tack strips.		
02 87 13 33-0066 SF >100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal	2.97	
Note: Includes tack strips.		
02 87 13 33-0067 SF >500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal	2.12	
Note: Includes tack strips.		
02 87 13 33-0068 SF >2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal	1.64	
Note: Includes tack strips.		
02 87 13 33-0069 SF >10,000 SF, Carpet And Pad, Mold Abatement And Disposal	1.24	
Note: Includes tack strips.		
02 87 13 33-0070 Subflooring, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0071 SF Up To 100 SF, Subflooring, Mold Abatement And Disposal	5.88	
02 87 13 33-0072 SF >100 To 500 SF, Subflooring, Mold Abatement And Disposal	3.67	
02 87 13 33-0073 SF >500 To 2,500 SF, Subflooring, Mold Abatement And Disposal	2.29	
02 87 13 33-0074 SF >2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal	1.33	
02 87 13 33-0075 SF >10,000 SF, Subflooring, Mold Abatement And Disposal	0.79	

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 87 13 33-0076	Siding, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0077	Interior Paneling, Mold Abatement And Disposal (02 87 13 33-0076)		
	Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0078	SF Up To 100 SF, Interior Paneling, Mold Abatement And Disposal	4.45	
	Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0079	SF >100 To 500 SF, Interior Paneling, Mold Abatement And Disposal	3.16	
	Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0080	SF >500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal	2.17	
	Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0081	SF >2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal	1.21	
	Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0082	SF >10,000 SF, Interior Paneling, Mold Abatement And Disposal	0.89	
	Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0083	Exterior Siding, Mold Abatement And Disposal (02 87 13 33-0076)		
02 87 13 33-0084	SF Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal	6.18	
02 87 13 33-0085	SF >100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	3.97	
02 87 13 33-0086	SF >500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	2.71	
02 87 13 33-0087	SF >2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	1.78	
02 87 13 33-0088	SF >10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	1.59	
02 87 13 33-0089	Contaminated Debris, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0090	Contaminated Debris, Mold Abatement And Disposal (02 87 13 33-0089)		
02 87 13 33-0091	CF Up To 10 CF, Contaminated Debris, Mold Abatement And Disposal	25.61	
02 87 13 33-0092	CF >10 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	15.37	
02 87 13 33-0093	CF >100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	10.24	
02 87 13 33-0094	CF >250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	7.69	
02 87 13 33-0095	CF >500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	6.14	
02 87 13 33-0096	CF >2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	3.36	
02 87 13 33-0097	CF >10,000 CF, Contaminated Debris, Mold Abatement And Disposal	3.02	
02 87 13 33-0098	Other Mold Containing Materials, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0099	Wood Studs, Mold Abatement And Disposal (02 87 13 33-0098)		
	Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.		
02 87 13 33-0100	LF Up To 100 LF, Wood Studs, Mold Abatement And Disposal	2.49	
02 87 13 33-0101	LF >100 To 500 LF, Wood Studs, Mold Abatement And Disposal	1.79	
02 87 13 33-0102	LF >500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal	1.32	
02 87 13 33-0103	LF >2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal	1.01	
02 87 13 33-0104	LF >10,000 LF, Wood Studs, Mold Abatement And Disposal	0.74	
02 87 13 33-0105	Ceiling Tile, Mold Abatement And Disposal (02 87 13 33-0098)		
	Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 87 13 33-0106	SF Up To 200 SF, Ceiling Tile, Mold Abatement And Disposal	7.40	
02 87 13 33-0107	SF >200 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal	5.56	
02 87 13 33-0108	SF >1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal	2.53	
02 87 13 33-0109	SF >2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal	1.78	
02 87 13 33-0110	SF >10,000 SF, Ceiling Tile, Mold Abatement And Disposal	1.59	
02 87 13 33-0111	Caulking, Mold Abatement And Disposal (02 87 13 33-0098)		
02 87 13 33-0112	LF Up To 10 LF, Caulking, Mold Abatement And Disposal	2.61	
02 87 13 33-0113	LF >10 To 50 LF, Caulking, Mold Abatement And Disposal	2.22	
02 87 13 33-0114	LF >50 To 100 LF, Caulking, Mold Abatement And Disposal	1.59	
02 87 13 33-0115	LF >100 To 250 LF, Caulking, Mold Abatement And Disposal	1.20	
02 87 13 33-0116	LF >250 To 1,000 LF, Caulking, Mold Abatement And Disposal	0.89	
02 87 13 33-0117	LF >1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	0.72	
02 87 13 33-0118	LF >2,500 LF, Caulking, Mold Abatement And Disposal	0.62	
02 87 13 33-0119	Wipe Down Walls, Ceilings And Floors (02 87 13 33-0098)		
02 87 13 33-0120	CSF Wipe Down Floors With Mild Bleach Solution	12.34	
02 87 13 33-0121	CSF Wipe Down Walls With Mild Bleach Solution	14.52	
02 87 13 33-0122	CSF Wipe Down Ceilings With Mild Bleach Solution	16.53	
02 87 13 33-0123	CSF Wipe Down Countertops With Mild Bleach Solution	13.47	
02 87 13 33-0124	CSF Wipe Down Other Surfaces With Mild Bleach Solution	17.09	
02 87 13 33-0125	Cabinets (02 87 13 33-0098)		
02 87 13 33-0126	LF Up To 20 LF, Base Cabinet, Mold Abatement And Disposal	45.29	
02 87 13 33-0127	LF >20 LF, Base Cabinet, Mold Abatement And Disposal	31.96	
02 87 13 33-0128	LF Up To 20 LF, Wall Cabinet, Mold Abatement And Disposal	39.95	
02 87 13 33-0129	LF >20 LF, Wall Cabinet, Mold Abatement And Disposal	26.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 87 16 Excrement Removal (02 87)**02 87 16 13 Bird Excrement Removal (02 87 16)****02 87 16 13-0001 Bird Waste Removal (02 87 16 13)**

Note: In addition to items listed the Bio-Hazard Material Remediation note above, tasks include wetting agents and disinfection of contaminated surfaces.

02 87 16 13-0002	EA	Up To 10 SF Bird Waste Removal, Up To 3" Thickness.....	444.41
		<i>For Work In Restricted Working Space, Add</i>	133.32
02 87 16 13-0003	SF	>10 To 500 SF Bird Waste Removal, Up To 3" Thickness	7.40
		<i>For Work In Restricted Working Space, Add</i>	2.22
02 87 16 13-0004	SF	>500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness	6.73
		<i>For Work In Restricted Working Space, Add</i>	2.02
02 87 16 13-0005	SF	>2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness	6.12
		<i>For Work In Restricted Working Space, Add</i>	1.84
02 87 16 13-0006	SF	>10,000 SF Bird Waste Removal, Up To 3" Thickness	5.57
		<i>For Work In Restricted Working Space, Add</i>	1.67

02 89 Hazmat Ancillary Tasks And Support (02 89)**02 89 00 00-0001 Barriers And Protection (02 89)**

Note: Includes removal and disposal after use.

02 89 00 00-0002 Isolation Barriers (02 89 00 00-0001)

Note: Use framing task with applicable barrier task. See CSI section 01 56 16 00-0001 for temporary stud walls.

02 89 00 00-0003	SF	3/8" Plywood For Solid Isolation Barrier.....	1.78
02 89 00 00-0004	SF	1/2" Plywood For Solid Isolation Barrier.....	2.02
02 89 00 00-0005	SF	6 Mil Plastic Sheeting For Separation Barrier.....	0.27
02 89 00 00-0006	SF	6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, For Separation Barrier.....	0.46
02 89 00 00-0007	EA	7" Zipper Door For Plastic Sheeting.....	12.09
02 89 00 00-0008	SF	1/2" Drywall For Solid Isolation Barrier.....	1.00
02 89 00 00-0009	SF	5/8" Drywall For Solid Isolation Barrier.....	1.12

02 89 00 00-0010 Cleaning Surfaces (02 89 00 00-0001)

Note: Other surfaces within contamination area but not contaminated by, or part of removal.

02 89 00 00-0011	SF	Up To 100 SF, Clean Asbestos Surface.....	1.07
02 89 00 00-0012	SF	>100 To 500 SF, Clean Asbestos Surface.....	0.76
02 89 00 00-0013	SF	>500 To 1,000 SF, Clean Asbestos Surface.....	0.49
02 89 00 00-0014	SF	>1,000 SF, Clean Asbestos Surface.....	0.39

02 89 00 00-0015 Hazmat Containment Construction (02 89 00 00-0001)

02 89 00 00-0016	SF	6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction.....	0.27
02 89 00 00-0017	SF	6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction.....	0.35
02 89 00 00-0018	SF	6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction.....	0.48
02 89 00 00-0019	SF	6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Floors, Hazmat Containment Construction.....	0.35
02 89 00 00-0020	SF	6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Walls, Hazmat Containment Construction.....	0.44
02 89 00 00-0021	SF	6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction.....	0.57
02 89 00 00-0022	EA	Seal Wall Penetrations With Foam Firestop To 36 Square Inches.....	111.89
02 89 00 00-0023	EA	Seal Wall Penetrations With Foam Firestop To 36 To 72 Square Inches.....	219.40
02 89 00 00-0024	EA	Seal Wall Penetrations With Foam Firestop To 72 To 144 Square Inches.....	432.71
02 89 00 00-0025	LF	Caulk Seams With Latex.....	2.47
02 89 00 00-0026	SF	Protect Carpeted Area, 2 Layers 6 Mil Poly.....	1.03

02 89 00 00-0027 Decontamination Chambers (02 89)

Note: Includes removal after use.

02 89 00 00-0028	EA	Portable Personnel Decontamination Wash Facility (3 Stage).....	502.31
		Note: Includes connection to negative air system.	
		<i>For Dismantling And Relocation To A Different Area, Add</i>	278.49
02 89 00 00-0029	EA	Portable Waste Decontamination Unit.....	305.92
		Note: Includes connection to negative air system.	
		<i>For Dismantling And Relocation To A Different Area, Add</i>	194.01

02 90 Disaster Recovery (02)

Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.

02 90 50 Cleaning And Emergency Clean-up (02 90)**02 90 50 00-0001 Non-Mold Contaminated Wet Material Removal (02 90 50)**

Note: For materials that do not require mold abatement.

02 90 50 00-0002	SY	Wet Broadloom Carpet Removal.....	7.19
02 90 50 00-0003	SY	Wet Carpet Tile Removal.....	1.75
02 90 50 00-0004	SF	Wet Batt Insulation Removal.....	0.15
02 90 50 00-0005	SF	Wet Ceiling Tile Removal.....	0.18
02 90 50 00-0006	SF	Single Layer, Wet Gypsum Board Removal.....	0.17

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0007 SF Double Layer, Wet Gypsum Board Removal	0.27	
02 90 50 00-0008 Cleaning <small>(02 90 50)</small> Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required		
02 90 50 00-0009 Clean Furnishings <small>(02 90 50 00-0008)</small>		
02 90 50 00-0010 EA Office Equipment, Exterior Wipe	25.86	
For Medium Clean, Add	10.86	
For Heavy Clean, Add	33.62	
02 90 50 00-0011 SF Bookcase (Per SF Of Face Area), Light Clean	1.44	
For Medium Clean, Add	0.60	
For Heavy Clean, Add	1.87	
02 90 50 00-0012 LF Shelving, Light Clean	2.59	
For Medium Clean, Add	1.09	
For Heavy Clean, Add	3.37	
02 90 50 00-0013 EA Plastic Or Metal Chair, Light Clean	7.47	
For Medium Clean, Add	3.14	
For Heavy Clean, Add	9.71	
02 90 50 00-0014 EA Upholstered Chair, Light Clean	24.14	
For Medium Clean, Add	10.14	
For Heavy Clean, Add	31.38	
02 90 50 00-0015 EA Upholstered Sofa, Light Clean	148.86	
For Medium Clean, Add	62.52	
For Heavy Clean, Add	193.52	
02 90 50 00-0016 EA Desk, Light Clean	30.46	
For Medium Clean, Add	12.79	
For Heavy Clean, Add	39.60	
02 90 50 00-0017 EA Table, Light Clean	28.74	
For Medium Clean, Add	12.07	
For Heavy Clean, Add	37.36	
02 90 50 00-0018 EA Two Drawer File Cabinet, Light Clean	6.30	
For Medium Clean, Add	2.65	
For Heavy Clean, Add	8.19	
02 90 50 00-0019 EA Four Drawer File Cabinet, Light Clean	8.06	
For Medium Clean, Add	3.39	
For Heavy Clean, Add	10.48	
02 90 50 00-0020 LF Base Cabinet, Exterior Wipe, Light Clean	6.61	
For Medium Clean, Add	2.78	
For Heavy Clean, Add	8.59	
02 90 50 00-0021 LF Base Cabinet, Exterior And Interior Wipe, Light Clean	12.93	
For Medium Clean, Add	5.43	
For Heavy Clean, Add	16.81	
02 90 50 00-0022 LF Wall Cabinet, Exterior Wipe, Light Clean	6.61	
For Medium Clean, Add	2.78	
For Heavy Clean, Add	8.59	
02 90 50 00-0023 LF Wall Cabinet, Exterior And Interior Wipe, Light Clean	11.50	
For Medium Clean, Add	4.83	
For Heavy Clean, Add	14.95	
02 90 50 00-0024 EA Picture Frame, Glass And Back, Light Clean	2.76	
For Medium Clean, Add	1.16	
For Heavy Clean, Add	3.59	
02 90 50 00-0025 Clean Hard Surfaces <small>(02 90 50 00-0008)</small>		
02 90 50 00-0026 LF Wood, Vinyl Or Rubber Baseboard, Light Clean	0.38	
For Medium Clean, Add	0.16	
For Heavy Clean, Add	0.49	
02 90 50 00-0027 EA Door And Hardware (Per Side), Light Clean	4.89	
For Medium Clean, Add	2.05	
For Heavy Clean, Add	6.36	
02 90 50 00-0028 EA Detailed Door And Hardware (Per Side), Light Clean	5.55	
For Medium Clean, Add	2.33	
For Heavy Clean, Add	7.22	
02 90 50 00-0029 SF Overhead Door, Light Clean	0.39	
For Medium Clean, Add	0.16	
For Heavy Clean, Add	0.51	
02 90 50 00-0030 SF Mirror, Light Clean	0.29	
For Medium Clean, Add	0.12	
For Heavy Clean, Add	0.38	
02 90 50 00-0031 SF Window, Light Clean	0.85	
For Medium Clean, Add	0.36	
For Heavy Clean, Add	1.11	
02 90 50 00-0032 LF Handrail, Light Clean	0.75	
For Medium Clean, Add	0.32	
For Heavy Clean, Add	0.98	
02 90 50 00-0033 LF Bumper Rail, Light Clean	0.40	
For Medium Clean, Add	0.17	
For Heavy Clean, Add	0.52	
02 90 50 00-0034 SF Hard Floor, Light Clean	0.33	
For Medium Clean, Add	0.14	
For Heavy Clean, Add	0.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0035 SF Carpet, Light Clean..... <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.34 0.14 0.44	
02 90 50 00-0036 SF Hard Ceiling, Light Clean..... <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.27 0.11 0.35	
02 90 50 00-0037 SF Suspended Ceiling, Tile And Grid, Light Clean..... <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.29 0.12 0.38	
02 90 50 00-0038 SF Ceramic Tile Wall, Light Clean..... <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.24 0.10 0.31	
02 90 50 00-0039 SF Wall, Light Clean..... <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.17 0.07 0.22	
02 90 50 00-0040 SF Masonry Wall, Light Clean..... <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.24 0.10 0.31	
02 90 50 00-0041 EA Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean..... Note: Includes removal from site, cleaning, and return. <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	60.62 25.46 78.81	
02 90 50 00-0042 EA >24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean..... Note: Includes removal from site, cleaning, and return. <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	75.76 31.82 98.49	
02 90 50 00-0043 EA >96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean..... Note: Includes removal from site, cleaning, and return. <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	90.92 38.19 118.20	
02 90 50 00-0044 EA >140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean..... Note: Includes removal from site, cleaning, and return. <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	106.07 44.55 137.89	
02 90 50 00-0045 Clean Window Treatments (02 90 50 00-0008)		
02 90 50 00-0046 SF Window Blind, Light Clean..... <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.66 0.28 0.86	
02 90 50 00-0047 EA Up To 6' Long Drapery (Per Pleat), Light Clean..... <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	1.34 0.56 1.74	
02 90 50 00-0048 EA Up To 6' Long Lined Drapery (Per Pleat), Light Clean..... <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	1.55 0.65 2.02	
02 90 50 00-0049 EA >6' To 8' Drapery (Per Pleat), Light Clean..... <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	1.42 0.60 1.85	
02 90 50 00-0050 EA >6' To 8' Lined Drapery (Per Pleat), Light Clean..... <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	1.63 0.68 2.12	
02 90 50 00-0051 EA >8' To 10' Drapery (Per Pleat), Light Clean..... <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	1.73 0.73 2.25	
02 90 50 00-0052 EA >8' To 10' Lined Drapery (Per Pleat), Light Clean..... <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	1.99 0.84 2.59	
02 90 50 00-0053 Clean Appliances (02 90 50 00-0008)		
02 90 50 00-0054 EA Microwave Oven, Outside, Light Clean..... <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	11.91 5.00 15.48	
02 90 50 00-0055 EA Refrigerator, Outside, Light Clean..... <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	28.06 11.79 36.48	
02 90 50 00-0056 EA Range, Outside, Light Clean..... <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	24.25 10.19 31.53	
02 90 50 00-0057 Clean Plumbing (02 90 50 00-0008)		
02 90 50 00-0058 EA Water Heater, Light Clean..... <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	17.24 7.24 22.41	
02 90 50 00-0059 EA Plumbing Fixture, Light Clean..... <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	17.41 7.31 22.63	
02 90 50 00-0060 EA Restroom Accessory, Light Clean..... <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	7.99 3.36 10.39	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0061 Clean HVAC (02 90 50 00-0008)		
02 90 50 00-0062 LF Baseboard Heater, Light Clean.....	5.15	
For Medium Clean, Add	2.16	
For Heavy Clean, Add	6.70	
02 90 50 00-0063 LF Ductwork, Exterior Wipe, Light Clean	14.37	
For Medium Clean, Add	6.04	
For Heavy Clean, Add	18.68	
02 90 50 00-0064 EA Ductwork, Interior (Per Grille/Register), Light Clean	55.18	
For Medium Clean, Add	23.18	
For Heavy Clean, Add	71.73	
02 90 50 00-0065 EA Grille/Register, Light Clean.....	5.17	
For Medium Clean, Add	2.17	
For Heavy Clean, Add	6.72	
02 90 50 00-0066 EA Air Handling Unit, Exterior Wipe, Light Clean	35.83	
For Medium Clean, Add	15.05	
For Heavy Clean, Add	46.58	
02 90 50 00-0067 EA Furnace, Exterior Wipe, Light Clean	31.90	
For Medium Clean, Add	13.40	
For Heavy Clean, Add	41.47	
02 90 50 00-0068 Clean Electrical (02 90 50 00-0008)		
02 90 50 00-0069 EA Electric Fan, Light Clean.....	21.27	
For Medium Clean, Add	8.93	
For Heavy Clean, Add	27.65	
02 90 50 00-0070 EA Ceiling Fan, Light Clean.....	22.99	
For Medium Clean, Add	9.66	
For Heavy Clean, Add	29.89	
02 90 50 00-0071 EA Ceiling Fan And Light, Light Clean.....	29.89	
For Medium Clean, Add	12.55	
For Heavy Clean, Add	38.86	
02 90 50 00-0072 EA Ceiling Exhaust Fan, Light Clean.....	20.98	
For Medium Clean, Add	8.81	
For Heavy Clean, Add	27.27	
02 90 50 00-0073 EA 2' x 4' Light Fixture, Light Clean.....	13.79	
For Medium Clean, Add	5.79	
For Heavy Clean, Add	17.93	
02 90 50 00-0074 EA Light Fixture, Light Clean.....	6.32	
For Medium Clean, Add	2.65	
For Heavy Clean, Add	8.22	
02 90 50 00-0075 EA Smoke Detector, Light Clean.....	4.89	
For Medium Clean, Add	2.05	
For Heavy Clean, Add	6.36	
02 90 50 00-0076 EA Thermostat, Light Clean.....	1.72	
For Medium Clean, Add	0.72	
For Heavy Clean, Add	2.24	
02 90 50 00-0077 Thermal Fog (02 90 50 00-0008)		
02 90 50 00-0078 CF Clean And Deodorize Building With Thermal Fog.....	0.02	
02 90 50 00-0079 Contents Manipulation (02 90 50)		
02 90 50 00-0080 SF Cover Contents With Plastic	0.19	
02 90 50 00-0081 SF Floor Protection - Adhesive Film	0.24	
02 90 50 00-0082 SF Move Contents Out And Later Reset	0.46	
02 90 50 00-0083 MO 20' Long Job Site Storage Trailer.....	109.38	
02 90 50 00-0084 MO 40' Long Job Site Storage Trailer.....	145.06	
02 90 50 00-0085 EA Delivery Or Pickup Job Site Storage Trailer.....	133.69	
02 90 50 00-0086 Water Emergency Clean-up (02 90 50)		
02 90 50 00-0087 LF Detach Baseboard	0.62	
02 90 50 00-0088 LF Detach And Later Reset Baseboard	1.09	
02 90 50 00-0089 EA Block And Pad Furniture (Per Piece Of Furniture)	4.01	
02 90 50 00-0090 SF Water Extraction From Floor	0.41	
02 90 50 00-0091 SF Gray Water Extraction From Floor	0.68	
02 90 50 00-0092 SF Black Water Extraction From Floor	1.07	
02 90 50 00-0093 SF Tear Out Wet Non Salvageable Carpet	0.34	
02 90 50 00-0094 SF Tear Out Wet Non Salvageable Carpet, Black Water	0.40	
02 90 50 00-0095 SF Tear Out Wet Non Salvageable Glue Down Carpet.....	0.59	
02 90 50 00-0096 SF Tear Out Wet Non Salvageable Glue Down Carpet, Black Water.....	0.87	
02 90 50 00-0097 SF Tear Out Vinyl Flooring	0.82	
02 90 50 00-0098 SF Tear Out Vinyl Flooring, Black Water	1.20	
02 90 50 00-0099 SF Tear Out Wood Flooring, Black Water	3.12	
02 90 50 00-0100 SF Tear Out Laminated Wood Flooring.....	1.53	
02 90 50 00-0101 SF Tear Out Laminated Wood Flooring, Black Water.....	2.24	
02 90 50 00-0102 SF Tear Out Wet Ceiling Tile.....	0.25	
02 90 50 00-0103 SF Tear Out Batt Insulation	0.25	
02 90 50 00-0104 SF Tear Out Wet Gypsum Board.....	0.33	
02 90 50 00-0105 SF Apply Antimicrobial Agent.....	0.19	
02 90 50 00-0106 SF HEPA Vacuuming	0.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 90 50 00-0107

Emergency Clean-up Labor (02 90 50)

Note: Used in the performance of time and material projects. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 50 00-0108	HR	Cleaning And Emergency Clean Up - General Laborer (Unskilled).....	24.30
02 90 50 00-0109	HR	Cleaning And Emergency Clean Up - General Laborer (Skilled).....	32.40
02 90 50 00-0110	HR	Cleaning And Emergency Clean Up - Skilled Tradesman.....	59.40
02 90 50 00-0111	HR	Cleaning And Emergency Clean Up - Restoration Laborer.....	37.80
02 90 50 00-0112	HR	Cleaning And Emergency Clean Up - Restoration Technician.....	48.60
02 90 50 00-0113	HR	Cleaning And Emergency Clean Up - Restoration Supervisor.....	70.20
02 90 50 00-0114	HR	Cleaning And Emergency Clean Up - Restoration Project Manager.....	97.20
02 90 50 00-0115	HR	Cleaning And Emergency Clean Up - Assistant Project Manager.....	81.00
02 90 50 00-0116	HR	Cleaning And Emergency Clean Up - Project Manager.....	102.60
02 90 50 00-0117	HR	Cleaning And Emergency Clean Up - Project Director.....	156.60
02 90 50 00-0118	HR	Cleaning And Emergency Clean Up - Resource Coordinator.....	48.60
02 90 50 00-0119	HR	Cleaning And Emergency Clean Up - Project Accountant.....	81.00
02 90 50 00-0120	HR	Cleaning And Emergency Clean Up - Corrosion Technician.....	70.20
02 90 50 00-0121	HR	Cleaning And Emergency Clean Up - Sr. Corrosion Technician.....	81.00
02 90 50 00-0122	HR	Cleaning And Emergency Clean Up - Certified Mold Technician.....	71.28
02 90 50 00-0123	HR	Cleaning And Emergency Clean Up - Certified Mold Supervisor.....	81.00
02 90 50 00-0124	HR	Cleaning And Emergency Clean Up - Clerical.....	37.80
02 90 50 00-0125	HR	Cleaning And Emergency Clean Up - Biohazard Technician.....	81.00
02 90 50 00-0126	HR	Cleaning And Emergency Clean Up - Biohazard Supervisor.....	97.20
02 90 50 00-0127	HR	Cleaning And Emergency Clean Up - Health And Safety Officer.....	75.60
02 90 50 00-0128	HR	Cleaning And Emergency Clean Up - Resource And Logistics Coordinator.....	54.00
02 90 50 00-0129	HR	Cleaning And Emergency Clean Up - Restoration Consultant.....	156.60

02 90 50 00-0130

Emergency Clean-up Equipment (02 90 50)

Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 50 00-0131

General Emergency Clean-up Equipment (02 90 50 00-0130)

02 90 50 00-0132	DAY	Air Compressor.....	52.81
02 90 50 00-0133	DAY	Buffer - Floor.....	35.21
02 90 50 00-0134	DAY	Carpet Cleaning Machine - Portable.....	88.02
02 90 50 00-0135	DAY	Chain Saw.....	41.08
02 90 50 00-0136	EA	Cleaning Kit With Mop, Broom And Bucket.....	52.81
02 90 50 00-0137	DAY	Cut Off Saw.....	84.08
02 90 50 00-0138	DAY	Dry Cleaning Unit - Portable.....	99.76
02 90 50 00-0139	DAY	Extension Cords - 220 Volt.....	29.34
02 90 50 00-0140	DAY	Extension Cords - 220 Volt Converter Box.....	17.60
02 90 50 00-0141	DAY	Demolition Cart, 7 Yard.....	52.81
02 90 50 00-0142	EA	Demolition Kit With Wheel Barrow, Shovel And Broom.....	88.02
02 90 50 00-0143	DAY	Dry-Ice Blasting System.....	410.76
02 90 50 00-0144	DAY	Fogger - Mist.....	29.34
02 90 50 00-0145	DAY	Fogger - Electric Thermal.....	42.25
02 90 50 00-0146	DAY	Fogger - Gas Power Thermal.....	105.62
02 90 50 00-0147	JOB	Gang Box, Demo/Framing (One Time Per Job).....	76.28
02 90 50 00-0148	DAY	Hand Trucks/Dollies.....	14.08
02 90 50 00-0149	DAY	Heat Gun - Shrinkwrap.....	46.94
02 90 50 00-0150	DAY	HEPA Negative Air Machine.....	146.70
		Note: Includes all filters.	
02 90 50 00-0151	DAY	Ladder.....	19.95
02 90 50 00-0152	DAY	Lights - Demo, Drop, Stand, String.....	21.12
02 90 50 00-0153	DAY	Lights - Wobble.....	25.82
02 90 50 00-0154	DAY	Moisture Meter.....	29.34
02 90 50 00-0155	DAY	Nail Gun.....	52.81
02 90 50 00-0156	DAY	Ozone Generator.....	146.70
02 90 50 00-0157	DAY	PPE (Personal Protective Equipment) Mold Remediation Related.....	70.42
02 90 50 00-0158	DAY	Portable Generator, Up To 7,500 Watts.....	117.36
02 90 50 00-0159	DAY	Pressure Washer, Hot.....	176.04
02 90 50 00-0160	DAY	Pressure Washer, Cold.....	117.36
02 90 50 00-0161	DAY	Scaffolding - Per Section.....	76.28
02 90 50 00-0162	DAY	Small Tools - Tool Box.....	29.34
02 90 50 00-0163	DAY	Soda Blasting Equipment.....	264.06
02 90 50 00-0164	DAY	Sprayer - Hudson.....	9.39
02 90 50 00-0165	DAY	Sprayer - Industrial Airless.....	157.66
02 90 50 00-0166	DAY	Storage Space (Per SF Per Day).....	0.96
02 90 50 00-0167	DAY	Submersible Pump.....	29.34
02 90 50 00-0168	DAY	Trash Pump - 2" Gas Powered.....	146.70
02 90 50 00-0169	DAY	Vehicle, Pick-up, SUV, Car.....	88.02
02 90 50 00-0170	DAY	Vehicle, Van.....	146.70
02 90 50 00-0171	DAY	Vehicle, 16' Or 24' Box Truck (Inclusive Of Mileage).....	234.72
02 90 50 00-0172	DAY	Trailer - Refrigerated 40' Storage.....	146.70
02 90 50 00-0173	DAY	Trailer - Utility (Inclusive Of Mileage).....	117.36
02 90 50 00-0174	DAY	Truck Mount, Per Wand Extraction.....	228.85
02 90 50 00-0175	DAY	Vacuum - Backpack.....	29.34
02 90 50 00-0176	DAY	Vacuum - Shop Vacuum.....	29.34
02 90 50 00-0177	DAY	Vacuum - Commercial.....	88.02

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0178 DAY Vacuum - HEPA Industrial	99.76	
02 90 50 00-0179 DAY Vacuum - Upright.....	17.60	
02 90 50 00-0180 DAY Zip Walls (Per 2 Poles)	29.34	
02 90 50 00-0181 DAY 2 Way Radio.....	23.47	
02 90 50 00-0182 Technical/Electronics Restoration Equipment (02 90 50 00-0130)		
02 90 50 00-0183 DAY Computer - Diagnostic	29.34	
02 90 50 00-0184 WK Computer - Diagnostic	80.68	
02 90 50 00-0185 MO Computer - Diagnostic	220.05	
02 90 50 00-0186 DAY Convection Oven - Large	193.64	
02 90 50 00-0187 WK Convection Oven - Large	532.52	
02 90 50 00-0188 MO Convection Oven - Large	1,452.33	
02 90 50 00-0189 DAY Convection Oven - Small	105.62	
02 90 50 00-0190 WK Convection Oven - Small	290.47	
02 90 50 00-0191 MO Convection Oven - Small	792.18	
02 90 50 00-0192 DAY Convection Oven - Vacuum	140.83	
02 90 50 00-0193 WK Convection Oven - Vacuum	387.29	
02 90 50 00-0194 MO Convection Oven - Vacuum	1,056.24	
02 90 50 00-0195 DAY Decontamination Booth.....	193.64	
02 90 50 00-0196 WK Decontamination Booth.....	532.52	
02 90 50 00-0197 MO Decontamination Booth.....	1,452.33	
02 90 50 00-0198 DAY DI Water System.....	52.81	
02 90 50 00-0199 WK DI Water System.....	145.23	
02 90 50 00-0200 MO DI Water System.....	396.09	
02 90 50 00-0201 DAY ESD Bench Workstation	23.47	
02 90 50 00-0202 WK ESD Bench Workstation	64.55	
02 90 50 00-0203 MO ESD Bench Workstation	176.04	
02 90 50 00-0204 DAY Heater/Enclosure Control System.....	17.60	
02 90 50 00-0205 WK Heater/Enclosure Control System.....	48.41	
02 90 50 00-0206 MO Heater/Enclosure Control System.....	132.03	
02 90 50 00-0207 DAY Hi-Tech Mobile Cart/Workstation	293.40	
02 90 50 00-0208 WK Hi-Tech Mobile Cart/Workstation	806.85	
02 90 50 00-0209 MO Hi-Tech Mobile Cart/Workstation	2,200.50	
02 90 50 00-0210 DAY Micro-Blaster/Dust Collector	264.06	
02 90 50 00-0211 WK Micro-Blaster/Dust Collector	726.16	
02 90 50 00-0212 MO Micro-Blaster/Dust Collector	1,980.45	
02 90 50 00-0213 DAY Mobile Laboratory	733.50	
02 90 50 00-0214 WK Mobile Laboratory	2,017.12	
02 90 50 00-0215 MO Mobile Laboratory	5,501.25	
02 90 50 00-0216 DAY Nitrogen Enclosure Cabinet	14.08	
02 90 50 00-0217 WK Nitrogen Enclosure Cabinet	38.73	
02 90 50 00-0218 MO Nitrogen Enclosure Cabinet	105.62	
02 90 50 00-0219 DAY Odell Cleaning Station	410.76	
02 90 50 00-0220 WK Odell Cleaning Station	1,129.59	
02 90 50 00-0221 MO Odell Cleaning Station	3,080.70	
02 90 50 00-0222 DAY Parts Washer	29.34	
02 90 50 00-0223 WK Parts Washer	80.68	
02 90 50 00-0224 MO Parts Washer	220.05	
02 90 50 00-0225 DAY Ultrasonic Cleaning System	88.02	
02 90 50 00-0226 WK Ultrasonic Cleaning System	242.06	
02 90 50 00-0227 MO Ultrasonic Cleaning System	660.15	
02 90 50 00-0228 DAY Vacuum - HEPA Technical	23.47	
02 90 50 00-0229 WK Vacuum - HEPA Technical	64.55	
02 90 50 00-0230 MO Vacuum - HEPA Technical	176.04	
02 90 50 00-0231 Drying/Dehumidification Equipment (02 90 50 00-0130)		
02 90 50 00-0232 DAY Water Extraction Unit With Dual 3-Stage Vacuums, 202 CFM	146.70	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 50 00-0233 WK Water Extraction Unit With Dual 3-Stage Vacuums, 202 CFM	403.42	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 50 00-0234 MO Water Extraction Unit With Dual 3-Stage Vacuums, 202 CFM	1,100.25	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 50 00-0235 DAY 2,200 CFM Centrifugal Air Mover.....	29.34	
02 90 50 00-0236 WK 2,200 CFM Centrifugal Air Mover.....	80.68	
02 90 50 00-0237 MO 2,200 CFM Centrifugal Air Mover.....	220.05	
02 90 50 00-0238 DAY 3,000 CFM Axial Air Mover.....	76.28	
02 90 50 00-0239 WK 3,000 CFM Axial Air Mover	209.78	
02 90 50 00-0240 MO 3,000 CFM Axial Air Mover	572.13	
02 90 50 00-0241 DAY Injectidry System.....	181.91	
02 90 50 00-0242 WK Injectidry System.....	500.25	
02 90 50 00-0243 MO Injectidry System.....	1,364.31	
02 90 50 00-0244 DAY 1200 Drizair Refrigerant Dehumidifier	123.23	
02 90 50 00-0245 WK 1200 Drizair Refrigerant Dehumidifier	338.88	
02 90 50 00-0246 MO 1200 Drizair Refrigerant Dehumidifier	924.21	
02 90 50 00-0247 DAY 2000 Drizair Refrigerant Dehumidifier.....	146.70	
02 90 50 00-0248 WK 2000 Drizair Refrigerant Dehumidifier	403.42	
02 90 50 00-0249 MO 2000 Drizair Refrigerant Dehumidifier	1,100.25	
02 90 50 00-0250 DAY 2400 Drizair Refrigerant Dehumidifier	170.17	
02 90 50 00-0251 WK 2400 Drizair Refrigerant Dehumidifier	467.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0252 MO 2400 Drizair Refrigerant Dehumidifier	1,276.29	
02 90 50 00-0253 DAY Phoenix 200 Refrigerant Dehumidifier	170.17	
02 90 50 00-0254 WK Phoenix 200 Refrigerant Dehumidifier	467.97	
02 90 50 00-0255 MO Phoenix 200 Refrigerant Dehumidifier	1,276.29	
02 90 50 00-0256 DAY Phoenix 300 Refrigerant Dehumidifier	181.91	
02 90 50 00-0257 WK Phoenix 300 Refrigerant Dehumidifier	500.25	
02 90 50 00-0258 MO Phoenix 300 Refrigerant Dehumidifier	1,364.31	
02 90 50 00-0259 DAY D-500 Desiccant Dehumidifier	410.76	
02 90 50 00-0260 WK D-500 Desiccant Dehumidifier	1,129.59	
02 90 50 00-0261 MO D-500 Desiccant Dehumidifier	3,080.70	
02 90 50 00-0262 DAY D-750 Desiccant Dehumidifier	704.16	
02 90 50 00-0263 WK D-750 Desiccant Dehumidifier	1,936.44	
02 90 50 00-0264 MO D-750 Desiccant Dehumidifier	5,281.20	
02 90 50 00-0265 DAY D-1000 Desiccant Dehumidifier	792.18	
02 90 50 00-0266 WK D-1000 Desiccant Dehumidifier	2,178.50	
02 90 50 00-0267 MO D-1000 Desiccant Dehumidifier	5,941.35	
02 90 50 00-0268 DAY D-1500 Desiccant Dehumidifier	880.20	
02 90 50 00-0269 WK D-1500 Desiccant Dehumidifier	2,420.55	
02 90 50 00-0270 MO D-1500 Desiccant Dehumidifier	6,601.50	
02 90 50 00-0271 DAY D-2000 Desiccant Dehumidifier	938.88	
02 90 50 00-0272 WK D-2000 Desiccant Dehumidifier	2,581.92	
02 90 50 00-0273 MO D-2000 Desiccant Dehumidifier	7,041.60	
02 90 50 00-0274 DAY D-2250 Desiccant Dehumidifier	997.56	
02 90 50 00-0275 WK D-2250 Desiccant Dehumidifier	2,743.29	
02 90 50 00-0276 MO D-2250 Desiccant Dehumidifier	7,481.70	
02 90 50 00-0277 DAY D-3000 Desiccant Dehumidifier	1,132.52	
02 90 50 00-0278 WK D-3000 Desiccant Dehumidifier	3,114.44	
02 90 50 00-0279 MO D-3000 Desiccant Dehumidifier	8,493.93	
02 90 50 00-0280 DAY D-4500 Desiccant Dehumidifier	1,408.32	
02 90 50 00-0281 WK D-4500 Desiccant Dehumidifier	3,872.88	
02 90 50 00-0282 MO D-4500 Desiccant Dehumidifier	10,562.40	
02 90 50 00-0283 DAY D-5000 Desiccant Dehumidifier	1,584.36	
02 90 50 00-0284 WK D-5000 Desiccant Dehumidifier	4,356.99	
02 90 50 00-0285 MO D-5000 Desiccant Dehumidifier	11,882.70	
02 90 50 00-0286 DAY D-9000 Desiccant Dehumidifier	2,171.16	
02 90 50 00-0287 WK D-9000 Desiccant Dehumidifier	5,970.69	
02 90 50 00-0288 MO D-9000 Desiccant Dehumidifier	16,283.70	
02 90 50 00-0289 DAY D-10500 Desiccant Dehumidifier	2,581.92	
02 90 50 00-0290 WK D-10500 Desiccant Dehumidifier	7,100.28	
02 90 50 00-0291 MO D-10500 Desiccant Dehumidifier	19,364.40	
02 90 50 00-0292 DAY DX Unit - Heating / Air Conditioning (3.5 Ton)	410.76	
02 90 50 00-0293 WK DX Unit - Heating / Air Conditioning (3.5 Ton)	1,129.59	
02 90 50 00-0294 MO DX Unit - Heating / Air Conditioning (3.5 Ton)	3,080.70	
02 90 50 00-0295 DAY DX Unit - Heating / Air Conditioning (5 Ton)	580.93	
02 90 50 00-0296 WK DX Unit - Heating / Air Conditioning (5 Ton)	1,597.56	
02 90 50 00-0297 MO DX Unit - Heating / Air Conditioning (5 Ton)	4,356.99	
02 90 50 00-0298 DAY DX Unit - Heating / Air Conditioning (10 Ton)	704.16	
02 90 50 00-0299 WK DX Unit - Heating / Air Conditioning (10 Ton)	1,936.44	
02 90 50 00-0300 MO DX Unit - Heating / Air Conditioning (10 Ton)	5,281.20	
02 90 50 00-0301 DAY DX Unit - Heating / Air Conditioning (25 Ton)	880.20	
02 90 50 00-0302 WK DX Unit - Heating / Air Conditioning (25 Ton)	2,420.55	
02 90 50 00-0303 MO DX Unit - Heating / Air Conditioning (25 Ton)	6,601.50	
02 90 50 00-0304 DAY DX Unit - Heating / Air Conditioning (50 Ton)	1,144.26	
02 90 50 00-0305 WK DX Unit - Heating / Air Conditioning (50 Ton)	3,146.72	
02 90 50 00-0306 MO DX Unit - Heating / Air Conditioning (50 Ton)	8,581.95	
02 90 50 00-0307 DAY DX Unit - Heating / Air Conditioning (80 Ton)	1,584.36	
02 90 50 00-0308 WK DX Unit - Heating / Air Conditioning (80 Ton)	4,356.99	
02 90 50 00-0309 MO DX Unit - Heating / Air Conditioning (80 Ton)	11,882.70	
02 90 50 00-0310 DAY Flex Duct - 25'	23.47	
02 90 50 00-0311 WK Flex Duct - 25'	64.55	
02 90 50 00-0312 MO Flex Duct - 25'	176.04	
02 90 50 00-0313 DAY Hygro Thermograph	29.34	
02 90 50 00-0314 WK Hygro Thermograph	80.68	
02 90 50 00-0315 MO Hygro Thermograph	220.05	
02 90 50 00-0316 DAY Dehumidification Trailer With 1,500 CFM Desiccant Unit	5,134.50	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 50 00-0317 WK Dehumidification Trailer With 1,500 CFM Desiccant Unit	14,119.88	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 50 00-0318 MO Dehumidification Trailer With 1,500 CFM Desiccant Unit	38,508.75	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 50 00-0319 Power Equipment (02 90 50 00-0130)		
02 90 50 00-0320 WK Generator, Up to 65 KVA	3,051.36	
02 90 50 00-0321 WK Generator, Up to 125 KVA	3,403.44	
02 90 50 00-0322 WK Generator, Up to 250 KVA	4,459.68	
02 90 50 00-0323 WK Generator, Up to 375 KVA	5,398.56	
02 90 50 00-0324 WK Generator, Up to 440 KVA	6,806.88	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0325 WK Generator, Up to 625 KVA.....	8,684.64	
02 90 50 00-0326 WK Generator, Up to 800 KVA.....	14,787.36	
02 90 50 00-0327 WK Generator, Up to 1,000 KVA.....	19,247.04	
02 90 50 00-0328 WK Generator, Up to 1,500 KVA.....	23,941.44	
02 90 50 00-0329 EA Generator Cable/Pigtails (Per Section).....	11.74	
02 90 50 00-0330 EA Sub-Distribution Panel (Spider Box).....	76.28	
02 90 50 00-0331 EA Electrical Distribution Panel.....	234.72	
02 90 50 00-0332 EA Quad Box Strings (25' Sections).....	29.34	
02 90 50 00-0333 EA 50' Power Cord For Spider Box.....	29.34	
02 90 50 00-0334 EA Pig Tails (Per Each).....	2.93	
02 90 50 00-0335 Freight Charges (02 90 50 00-0130)		
02 90 50 00-0336 MI Freight Up To 1 Ton Pick Up Truck.....	1.47	
02 90 50 00-0337 MI Freight >1 Ton Pick Up Truck.....	2.64	
02 90 50 00-0338 MI Freight 16' Or 24' Box Truck.....	2.64	
02 90 50 00-0339 MI Freight Tractor Trailer.....	3.81	
02 90 50 00-0340 Emergency Clean-up Personal Protection Equipment (02 90 50)		
Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 50 00-0341 EA Tyvek Suit.....	8.80	
02 90 50 00-0342 EA Cartridge - Respirator.....	14.08	
02 90 50 00-0343 BOX Dust Mask.....	31.98	
02 90 50 00-0344 PR Gloves - Cotton.....	5.28	
02 90 50 00-0345 BOX Gloves - Latex.....	15.84	
02 90 50 00-0346 PR Gloves - Leather.....	8.80	
02 90 50 00-0347 EA Gloves - Rubber (Heavy Duty).....	4.69	
02 90 50 00-0348 PR Polycarbonate Lens Safety Goggles.....	8.68	
02 90 50 00-0349 EA Respirator - With One Pair Cartridges.....	39.80	
02 90 50 00-0350 PR Safety Glasses.....	3.80	
02 90 50 00-0351 EA Safety Harness (Per Person/Day).....	5.87	
02 90 50 00-0352 Emergency Clean-up Expendables (02 90 50)		
Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 50 00-0353 General Materials (02 90 50 00-0352)		
02 90 50 00-0354 GAL Adhesive Remover.....	88.02	
02 90 50 00-0355 GAL Bio-HS.....	25.01	
02 90 50 00-0356 GAL Biocide.....	31.91	
02 90 50 00-0357 EA Box - Book.....	4.64	
02 90 50 00-0358 EA Box - Large.....	7.63	
02 90 50 00-0359 GAL Bleach.....	4.11	
02 90 50 00-0360 EA Brush - Stainless - Small.....	5.61	
02 90 50 00-0361 EA Buckets - 2 1/2 Gal.....	6.20	
02 90 50 00-0362 EA Buckets - 5 Gallon.....	9.39	
02 90 50 00-0363 GAL Carpet Defoamer.....	24.15	
02 90 50 00-0364 GAL Carpet Pre-treat.....	23.20	
02 90 50 00-0365 GAL Carpet Spotter.....	35.04	
02 90 50 00-0366 GAL Carpet/Upholstery Cleaner.....	31.52	
02 90 50 00-0367 ROL Carpet Masking/Shield.....	77.46	
02 90 50 00-0368 EA Chem Sponge.....	3.46	
02 90 50 00-0369 GAL Clear Seal.....	88.02	
02 90 50 00-0370 GAL Coil Cleaner.....	28.17	
02 90 50 00-0371 EA Comfort Masks, Per Box 50.....	34.80	
02 90 50 00-0372 EA Coverall - Bio-Hazard.....	24.48	
02 90 50 00-0373 EA Decon Chamber.....	240.59	
02 90 50 00-0374 GAL Degreaser, All Purpose.....	32.86	
02 90 50 00-0375 GAL Degreaser, Heavy Duty.....	39.32	
02 90 50 00-0376 GAL De-Foamer Liquid.....	35.21	
02 90 50 00-0377 EA Deodorization Membrane.....	84.10	
02 90 50 00-0378 GAL Deodorizer, 9D9.....	90.66	
02 90 50 00-0379 LB Deodorizing Gel.....	15.26	
02 90 50 00-0380 GAL Deodorizing Liquid.....	44.60	
02 90 50 00-0381 PAIL Deodorizing Block.....	52.81	
02 90 50 00-0382 GAL Disinfectant/Antimicrobial.....	56.92	
02 90 50 00-0383 GAL Disinfectant, BruClean.....	28.17	
02 90 50 00-0384 GAL Dryclene.....	35.04	
02 90 50 00-0385 GAL Duct Sealant Spray.....	52.81	
02 90 50 00-0386 GAL Duct Sealant, Antifungal.....	76.28	
02 90 50 00-0387 GAL Microbial Encapsulant (Fosters 20 - 40).....	108.56	
02 90 50 00-0388 PR Ear Plugs.....	0.47	
02 90 50 00-0389 GAL Encapsulant.....	107.82	
02 90 50 00-0390 GAL Fiberlocke - Aftershock.....	95.75	
02 90 50 00-0391 GAL Fiberlocke - IAQ 2500.....	90.58	
02 90 50 00-0392 GAL Fiberlocke - IAS 6000.....	93.16	
02 90 50 00-0393 ROL Filter Material.....	76.28	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0394	EA			Filter, Blue Paper Collection Bag.....	5.81	
02 90 50 00-0395	EA			Filter, CVAC For HEPA Vacuum.....	264.35	
02 90 50 00-0396	EA			Filter, Pre-Filter For Negative Air Machine.....	4.52	
02 90 50 00-0397	EA			Filter, Pleated For Negative Air Machine.....	7.04	
02 90 50 00-0398	EA			Filter, Charcoal For Negative Air Machine.....	35.09	
02 90 50 00-0399	EA			Filter, HEPA For Negative Air Machine.....	223.57	
02 90 50 00-0400	EA			Filter, Pleated For Dehumidifiers.....	8.80	
02 90 50 00-0401	GAL			Floor Stripper.....	16.43	
02 90 50 00-0402	GAL			Floor Wax.....	23.47	
02 90 50 00-0403	GAL			Fogger (Thermal).....	92.71	
02 90 50 00-0404	BOX			Furniture Blocks.....	117.36	
02 90 50 00-0405	EA			Furniture Polish, Per Can.....	12.91	
02 90 50 00-0406	GAL			Glass Cleaner.....	19.95	
02 90 50 00-0407	PR			Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles.....	14.32	
02 90 50 00-0408	EA			Goof Off Spray, 12 Oz.....	8.22	
02 90 50 00-0409	EA			Halogen Light Bulbs.....	16.76	
02 90 50 00-0410	QT			Hand Sanitizer.....	8.29	
02 90 50 00-0411	EA			Hard Hats.....	6.82	
02 90 50 00-0412	BOX			Hog Rings, Box Of 2,500.....	17.02	
02 90 50 00-0413	GAL			HVAC Coal Cleaner.....	38.73	
02 90 50 00-0414	BOX			Inventory Tag, Box Of 1,000.....	105.62	
02 90 50 00-0415	EA			Knives - Utility.....	12.91	
02 90 50 00-0416	ROL			Lay Flat Tubing, 13" (250' Roll).....	64.78	
02 90 50 00-0417	ROL			Lay Flat Tubing, 20" (250' Roll).....	98.58	
02 90 50 00-0418	ROL			Lay Flat Tubing, 29" (250' Roll).....	167.82	
02 90 50 00-0419	ROL			Lay Flat Tubing, 39" (250' Roll).....	274.62	
02 90 50 00-0420	GAL			Lemon Oil.....	46.94	
02 90 50 00-0421	GAL			LPS 1/Mecca Lube.....	42.65	
02 90 50 00-0422	GAL			LPS 2.....	45.14	
02 90 50 00-0423	GAL			LPS Contact Cleaner.....	44.93	
02 90 50 00-0424	GAL			Lubricant, Preserver (Light).....	38.73	
02 90 50 00-0425	GAL			Lubricant, Preserver (Heavy).....	23.47	
02 90 50 00-0426	GAL			Machinery Cleaning Solvent.....	52.81	
02 90 50 00-0427	GAL			Metal Polishing Paste.....	11.74	
02 90 50 00-0428	GAL			Microban.....	47.44	
02 90 50 00-0429	GAL			Milgo.....	58.22	
02 90 50 00-0430	EA			Mop Heads.....	6.87	
02 90 50 00-0431	EA			Nylon Scouring Pads.....	1.29	
02 90 50 00-0432	GAL			Odor Neutralizer.....	52.28	
02 90 50 00-0433	EA			Packing Paper, 25 LB Bundle.....	31.10	
02 90 50 00-0434	EA			Paint Brushes.....	5.87	
02 90 50 00-0435	ROL			Paper, Corrugated/Craft.....	103.28	
02 90 50 00-0436	EA			Putty Knives.....	5.32	
02 90 50 00-0437	ROL			Red Resin Paper, 200' Roll.....	31.69	
02 90 50 00-0438	GAL			Reodorant.....	99.76	
02 90 50 00-0439	EA			Respirator - N95.....	4.66	
02 90 50 00-0440	EA			Respirator - N95 With valve.....	5.30	
02 90 50 00-0441	PR			Respirator Cartridges - 3M.....	35.58	
02 90 50 00-0442	PR			Respirator Cartridges -P100.....	35.58	
02 90 50 00-0443	EA			Respirator Cleaning Wipes, Per Box 100.....	28.47	
02 90 50 00-0444	GAL			Restoracide.....	46.79	
02 90 50 00-0445	GAL			Rust Remover.....	82.15	
02 90 50 00-0446	EA			Saltesmo Test Samples.....	7.63	
02 90 50 00-0447	EA			Sand Bag, Excluding Sand.....	2.00	
02 90 50 00-0448	EA			Scotch-Brite 7447, Per Box 50.....	38.11	
02 90 50 00-0449	EA			Sm. Scrub Brushes.....	5.61	
02 90 50 00-0450	GAL			Soot Sealant, Clear.....	45.77	
02 90 50 00-0451	GAL			Soot Sealant, Pigmented.....	46.94	
02 90 50 00-0452	ROL			Shrinkwrap Plastic.....	56.33	
02 90 50 00-0453	EA			Sponges - Dry.....	2.49	
02 90 50 00-0454	EA			Spray Adhesive, Per Can.....	5.28	
02 90 50 00-0455	EA			Spray Bot./Trigger.....	4.53	
02 90 50 00-0456	GAL			Stain Remover.....	28.17	
02 90 50 00-0457	GAL			Stainless Steel Cleaner.....	43.42	
02 90 50 00-0458	EA			Stainless Steel Polish, Per Can.....	15.26	
02 90 50 00-0459	LB			Sweeping Compound.....	18.91	
02 90 50 00-0460	ROL			Tape - Duct.....	7.92	
02 90 50 00-0461	ROL			Tape - Environmental (Teal).....	10.96	
02 90 50 00-0462	ROL			Tape - HVAC (Aluminum).....	25.82	
02 90 50 00-0463	ROL			Tape - Blue Masking (Painters Tape).....	11.01	
02 90 50 00-0464	ROL			Tape - Poly Box.....	4.69	
02 90 50 00-0465	LB			Terry Towels.....	6.04	
02 90 50 00-0466	GAL			Thermal Fog.....	57.68	
02 90 50 00-0467	ROL			Trash Bags - Lawn And Leaf.....	37.56	
02 90 50 00-0468	ROL			Trash Bags - 6 Mil Heavy Duty (50 Count).....	103.86	
02 90 50 00-0469	EA			Trisodium Phosphate, 20 LB Pail.....	42.82	
02 90 50 00-0470	EA			Vacuum Bags - Backpack.....	1.44	
02 90 50 00-0471	EA			Vacuum Bags - Upright.....	1.92	
02 90 50 00-0472	GAL			Vinyl And Leather Cleaner.....	93.89	
02 90 50 00-0473	ROL			Visqueen 1 Mil.....	44.89	
02 90 50 00-0474	ROL			Visqueen 4 Mil.....	92.13	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0475 ROL Visqueen 6 Mil	131.44	
02 90 50 00-0476 LB Wipes, Cotton Cloth	5.11	
02 90 50 00-0477 ROL 12" x 750', Wrap, Bubble / Anti-Static	73.94	
02 90 50 00-0478 EA Wyp-Alls, Case, 160 Wipes	38.73	
02 90 50 00-0479 EA Zip Wall Zippers	21.12	
02 90 50 00-0480 Technical/Electronics Restoration Materials (02 90 50 00-0352)		
02 90 50 00-0481 EA Brush - Brass	4.40	
02 90 50 00-0482 EA Brush - Natural Bristle 1"	1.41	
02 90 50 00-0483 EA Brush - Natural Bristle 1/2"	1.17	
02 90 50 00-0484 EA Brush - Natural Bristle 1/4"	1.00	
02 90 50 00-0485 EA Brush - Parts	6.10	
02 90 50 00-0486 EA Brush - Plastic	3.17	
02 90 50 00-0487 EA Brush - Wire Grout	5.87	
02 90 50 00-0488 EA Brushing Tool	14.67	
02 90 50 00-0489 EA Cleaning Swabs, Cotton	0.29	
02 90 50 00-0490 EA Cleaning Swabs, Foam Tip	0.35	
02 90 50 00-0491 EA Contact Restorer, Per Can	28.46	
02 90 50 00-0492 EA Contact Spray, Per Can	19.36	
02 90 50 00-0493 UNIT Corrosion Inhibitor Emitter - 1 CF	2.82	
02 90 50 00-0494 UNIT Corrosion Inhibitor Emitter - 5 CF	6.45	
02 90 50 00-0495 UNIT Corrosion Inhibitor Emitter - 10 CF	11.15	
02 90 50 00-0496 LB Cotton Cleaning Cloths	17.60	
02 90 50 00-0497 EA 12" x 17" Dust Cloths	0.26	
02 90 50 00-0498 EA 24" x 24" Dust Cloths	0.72	
02 90 50 00-0499 EA Deoxidizing Agent, Per Can	13.79	
02 90 50 00-0500 GAL Electronic Grade Detergent	21.12	
02 90 50 00-0501 SHT Inventory Labels	6.40	
02 90 50 00-0502 GAL Isopropyl Alcohol	29.34	
02 90 50 00-0503 EA Lubrication/Penetrating Oil, Per Can	6.45	
02 90 50 00-0504 GAL PC Board Detergent	80.39	
02 90 50 00-0505 GAL Rust Inhibitor, Regular Duty	31.69	
02 90 50 00-0506 GAL Rust Inhibitor - Moderate Duty	34.62	
02 90 50 00-0507 GAL Rust Inhibitor - Severe Duty	39.90	
02 90 50 00-0508 LB Wipes - Lint Free Cloths	8.22	
02 90 50 00-0509 EA Wire Marker Card	2.05	
02 90 50 00-0510 EA Steel Wool, 16 Pad Sleeve	7.04	
02 90 50 00-0511 Board Up And Tarp Up (02 90 50)		
02 90 50 00-0512 SF Polyethylene Tarp On Roof	0.20	
02 90 50 00-0513 SF Temporary Plywood On Roof	1.21	
02 90 50 00-0514 SF Temporary Plywood On Wall Or Windows	1.56	
02 90 50 00-0515 Minimum Charges (02 90 50)		
02 90 50 00-0516 EA Minimum For Cleaning	99.76	
02 90 50 00-0517 EA Minimum For Water Extraction	117.36	
02 90 50 00-0518 EA Minimum For Carpet Cleaning	140.83	
02 90 50 00-0519 Document Restoration (02 90 50)		
02 90 50 00-0520 EA Book Rebinding, Each	72.73	
02 90 50 00-0521 EA Book Recasing, Each	36.36	
02 90 50 00-0522 EA Boxes-MCS, 1.2 CF	7.28	
02 90 50 00-0523 EA Boxes-MCS, 2.0 CF	9.42	
02 90 50 00-0524 EA Boxes Bankers	11.62	
02 90 50 00-0525 EA Boxes Standard Packout	4.34	
02 90 50 00-0526 EA Boxes X Ray	7.28	
02 90 50 00-0527 EA CD Scanning and Diagnostics, Each	7.28	
02 90 50 00-0528 EA Cleaning Antique Books, Each	218.17	
02 90 50 00-0529 EA Cleaning Catheter Roll, Per Roll	29.08	
02 90 50 00-0530 EA Cleaning CD And DVD, Per Disc	2.92	
02 90 50 00-0531 EA Cleaning Level 1 - Blue Prints, Each	2.92	
02 90 50 00-0532 CF Cleaning Level 1 - Document Per CF	90.20	
02 90 50 00-0533 EA Cleaning Level 1 - Linen, Each	2.92	
02 90 50 00-0534 EA Cleaning Level 1 - Mylar, Each	2.92	
02 90 50 00-0535 EA Cleaning Level 2 - Blue Print, Each	3.64	
02 90 50 00-0536 CF Cleaning Level 2 - Document Per CF	135.27	
02 90 50 00-0537 EA Cleaning Level 2 - Linen, Each	3.64	
02 90 50 00-0538 EA Cleaning Level 2 - Mylar, Each	3.64	
02 90 50 00-0539 EA Cleaning Level 3 - Blue Prints, Each	5.14	
02 90 50 00-0540 CF Cleaning Level 3 - Document Per CF	180.39	
02 90 50 00-0541 EA Cleaning Level 3 - Linen, Each	5.14	
02 90 50 00-0542 EA Cleaning Level 3 - Mylar, Each	5.14	
02 90 50 00-0543 EA Cleaning Level 4 - All Fire-Blue Print, Each	7.28	
02 90 50 00-0544 EA Cleaning Level 4 - All Fire-Linen, Each	7.28	
02 90 50 00-0545 EA Cleaning Level 4 - All Fire-Mylar, Each	7.28	
02 90 50 00-0546 CF Cleaning Level 4 - Light Fire-Docum Per CF	225.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0547 EA Cleaning Level 5 - Severe Fire-Blue Print, Each.....	8.70	
02 90 50 00-0548 CF Cleaning Level 5 - Severe Fire-Documnt Per CF.....	450.91	
02 90 50 00-0549 EA Cleaning Level 5 - Severe Fire-Linen, Each	8.70	
02 90 50 00-0550 EA Cleaning Level 5 - Severe Fire-Mylar, Each	8.70	
02 90 50 00-0551 EA Cleaning Microfiche Sheets, Each	2.92	
02 90 50 00-0552 EA Cleaning Microfiche Strips, Each	0.74	
02 90 50 00-0553 EA Cleaning Microfilm Rolls (In House), Per Roll	72.73	
02 90 50 00-0554 EA Cleaning Microfilm Rolls (Outside), Per Roll	101.82	
02 90 50 00-0555 EA Cleaning Photographs Negatives, Per Negative.....	0.74	
02 90 50 00-0556 EA Cleaning Photographs, Each	2.92	
02 90 50 00-0557 EA Cleaning Record Albums, Each	2.92	
02 90 50 00-0558 EA Cleaning VHS And Beta Tapes-In House, Each	7.28	
02 90 50 00-0559 EA Cleaning VHS And Beta Tapes-Outside, Each	29.08	
02 90 50 00-0560 EA Cleaning X Ray 1-1000, Per Film	4.34	
02 90 50 00-0561 EA Cleaning X Ray 1K-5K, Per Film.....	3.64	
02 90 50 00-0562 EA Cleaning X Ray 5K-Up, Per Film	2.92	
02 90 50 00-0563 EA Copying Clean Water, Per Page.....	0.43	
02 90 50 00-0564 EA Copying Greywater Fire, Per Page	0.79	
02 90 50 00-0565 EA Deodorization, Vapor Tech, Per Cube.....	7.28	
02 90 50 00-0566 EA Disinfectant-Fogging, Per Cube.....	10.20	
02 90 50 00-0567 EA Document Disposal In House No Shredding.....	23.30	
02 90 50 00-0568 EA Document Disposal In House With Shredding.....	40.11	
02 90 50 00-0569 EA Drying-MCS Center 1-50 Cubes	130.90	
02 90 50 00-0570 EA Drying-MCS Center 151-500 Cubes	101.82	
02 90 50 00-0571 EA Drying-MCS Center 500 And Up.....	87.27	
02 90 50 00-0572 EA Drying-MCS Center 51-150 Cubes	116.36	
02 90 50 00-0573 EA Drying-Onsite 1-500 Cubes	218.17	
02 90 50 00-0574 EA Drying-Onsite 501- Up Cube.....	133.84	
02 90 50 00-0575 EA Drying Antique Books, Each	29.08	
02 90 50 00-0576 EA Drying Blue Prints, Each	3.64	
02 90 50 00-0577 EA DVD Scanning And Diagnostics, Each	7.28	
02 90 50 00-0578 EA Freeze Drying (In House).....	101.82	
02 90 50 00-0579 EA Freeze Drying (Outside)	133.84	
02 90 50 00-0580 EA Irradiation - Gamma 0-48 Cubes (minimum charge).....	1,552.67	
02 90 50 00-0581 EA Irradiation - Gamma 49-Up Cube (per cube charge)	32.34	
02 90 50 00-0582 EA Linen Prints.....	7.28	
02 90 50 00-0583 EA Minimal Drying Jobs	711.65	
02 90 50 00-0584 EA Monthly Storage.....	72.73	
02 90 50 00-0585 EA Mylar Prints.....	7.28	
02 90 50 00-0586 EA Ozoning, Per Cube	7.28	
02 90 50 00-0587 MO Stabilization Freezer Storage, Per Cube-Per Month	10.20	
02 90 50 00-0588 MO Stabilization Freezer Storage, Per Page-Per Month	0.07	
02 90 50 00-0589 EA Wood Pallets, Each	36.36	

END OF SECTION 02

02

02 Existing Conditions

02 90 Disaster Recovery

02 90 50 Cleaning And Emergency Clean-up



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 Concrete

03 01 Maintenance Of Concrete ⁽⁰³⁾

03 01 30 Maintenance Of Cast-In-Place Concrete ^(03 01)

03 01 30 51 **Cleaning Of Cast-In-Place Concrete** ^(03 01 30)

03 01 30 51-0001	Abrasive Blasting ^(03 01 30 51)	
	Note: Includes containment and clean-up of all material. Includes steel ball media.	
03 01 30 51-0002	SF Concrete Floors, Abrasive Shot Blasting	1.64
	For Up To 100, Add	1.90
	For >100 To 250, Add	0.48
	For >250 To 500, Add	0.24
	For >5,000 To 10,000, Deduct	-0.05
	For >10,000, Deduct	-0.10
03 01 30 51-0003	SF Concrete Walls, Abrasive Shot Blasting	2.60
	For Up To 100, Add	3.82
	For >100 To 250, Add	0.96
	For >250 To 500, Add	0.48
	For >5,000 To 10,000, Deduct	-0.10
	For >10,000, Deduct	-0.19

03 01 30 71 **Rehabilitation Of Cast-in-Place Concrete** ^(03 01 30)

03 01 30 71-0001	Concrete Resurfacing/Repair ^(03 01 30 71)	
	See CSI section 09 91 43 00-0002 for surface preparation as required.	
03 01 30 71-0002	Concrete Repair ^(03 01 30 71-0001)	
03 01 30 71-0003	Decks Or Floors ^(03 01 30 71-0002)	
	Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0004	SF 1/8" To 1/4", Cementitious Mortar Patch, Decks And Floors.....	4.13
03 01 30 71-0005	SF 1/8" To 1/4", Epoxy Cementitious Mortar Patch, Decks And Floors.....	13.28
03 01 30 71-0006	SF White Aluminum Oxide Grit (Non Slip Aggregate) Patch, Decks And Floors.....	0.37
03 01 30 71-0007	Verticals Or Overheads ^(03 01 30 71-0002)	
	Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0008	SF 1/8" To 1/4" Cementitious Mortar Patch, Verticals And Overheads	6.18
03 01 30 71-0009	SF 1/8" To 1/4" Epoxy Cementitious Mortar Patch, Verticals And Overheads	18.03
03 01 30 71-0010	SF 1/8" To 1/4" Latex Cementitious Mortar Patch, Verticals And Overheads	20.34
03 01 30 71-0011	SF 1/8" To 1/4" Elastomeric Compound Patch, Verticals And Overheads.....	5.04
03 01 30 71-0012	SF 1/8" To 1/4" Copolymer Cementitious Compound Patch, Verticals And Overheads.....	8.84
	Note: Rapid Set - Wunderfixx	
03 01 30 71-0013	Bridge Deck Treatment ^(03 01 30 71-0002)	
03 01 30 71-0014	SF Sweep Bridge Deck	0.01
03 01 30 71-0015	SF Clean Bridge Deck.....	0.01
03 01 30 71-0016	SF Treat Bridge Deck With Methacrylate Resin Sealant	1.22
03 01 30 71-0017	Concrete Finishes ^(03 01 30 71-0001)	
03 01 30 71-0018	Concrete Patching ^(03 01 30 71-0017)	
03 01 30 71-0019	Walls ^(03 01 30 71-0018)	
03 01 30 71-0020	BAG Sika Top 111 Plus.....	92.49
	Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar. Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 lbs. of 3/8" pea gravel).	
	For Up To 10, Add	31.95
	For >10 To 25, Add	19.17
	For >25 To 50, Add	12.78
	For >50 To 75, Add	6.39
03 01 30 71-0021	BAG Sika Grout 212, 50 LB Bag	35.22
	Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.	
	For Up To 10, Add	5.70
	For >10 To 25, Add	3.42
	For >25 To 50, Add	2.28
	For >50 To 75, Add	1.14
03 01 30 71-0022	EA Sika Flex 1A, 10.3 Ounce Tube	23.56
	Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.	
03 01 30 71-0023	BAG Pea Gravel.....	17.12

03 01 30 71-0024 **Crack Repair For Concrete** ^(03 01 30 71-0001)

03 Concrete**03 01 Maintenance Of Concrete****03 01 30 Maintenance Of Cast-In-Place Concrete**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 01 30 71-0025	Non Structural Crack Repair For Concrete (03 01 30 71-0024)	
03 01 30 71-0026	Surface Applied, Non Structural Crack Repair For Concrete (03 01 30 71-0025)	
	Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.	
03 01 30 71-0027	LF Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	3.76
	<i>For Walls Instead Of Floors, Add</i>	0.37
	<i>For V-Grooving Crack With Grinder, Add</i>	3.01
03 01 30 71-0028	LF >1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	4.92
	<i>For Walls Instead Of Floors, Add</i>	0.47
	<i>For V-Grooving Crack With Grinder, Add</i>	2.95
03 01 30 71-0029	LF Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	3.83
	<i>For Walls Instead Of Floors, Add</i>	0.37
	<i>For V-Grooving Crack With Grinder, Add</i>	3.01
03 01 30 71-0030	LF >1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	5.06
	<i>For Walls Instead Of Floors, Add</i>	0.47
	<i>For V-Grooving Crack With Grinder, Add</i>	2.95
03 01 30 71-0031	LF Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	4.09
	<i>For Walls Instead Of Floors, Add</i>	0.37
	<i>For V-Grooving Crack With Grinder, Add</i>	3.01
03 01 30 71-0032	LF >1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	5.57
	<i>For Walls Instead Of Floors, Add</i>	0.47
	<i>For V-Grooving Crack With Grinder, Add</i>	2.95
03 01 30 71-0033	LF Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	4.27
	<i>For Walls Instead Of Floors, Add</i>	0.37
	<i>For V-Grooving Crack With Grinder, Add</i>	3.01
03 01 30 71-0034	LF >1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	5.94
	<i>For Walls Instead Of Floors, Add</i>	0.47
	<i>For V-Grooving Crack With Grinder, Add</i>	2.95
03 01 30 71-0035	Pressure Injected, Non Structural Crack Repair For Concrete (03 01 30 71-0025)	
	Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.	
03 01 30 71-0036	LF Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570).....	16.68
	<i>For Walls Instead Of Floors, Add</i>	1.22
	<i>For Cracks Accessible From Both Sides, Add</i>	3.39
03 01 30 71-0037	Structural Crack Repair For Concrete (03 01 30 71-0024)	
03 01 30 71-0038	Surface Applied, Structural Crack Repair For Concrete (03 01 30 71-0037)	
	Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.	
03 01 30 71-0039	LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	4.32
	<i>For Walls Instead Of Floors, Add</i>	0.37
	<i>For V-Grooving Crack With Grinder, Add</i>	3.01
03 01 30 71-0040	LF >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	6.03
	<i>For Walls Instead Of Floors, Add</i>	0.47
	<i>For V-Grooving Crack With Grinder, Add</i>	2.95
03 01 30 71-0041	LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52).....	4.31
	<i>For Walls Instead Of Floors, Add</i>	0.37
	<i>For V-Grooving Crack With Grinder, Add</i>	3.01
03 01 30 71-0042	LF >1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52).....	6.02
	<i>For Walls Instead Of Floors, Add</i>	0.47
	<i>For V-Grooving Crack With Grinder, Add</i>	2.95
03 01 30 71-0043	LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	5.04
	<i>For Walls Instead Of Floors, Add</i>	0.37
	<i>For V-Grooving Crack With Grinder, Add</i>	3.01
03 01 30 71-0044	LF >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	7.49
	<i>For Walls Instead Of Floors, Add</i>	0.47
	<i>For V-Grooving Crack With Grinder, Add</i>	2.95
03 01 30 71-0045	Pressure Injected, Structural Crack Repair For Concrete (03 01 30 71-0037)	
	Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0046 LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35).....	14.70	
<i>For Walls Instead Of Floors, Add</i>	1.22	
<i>For Cracks Accessible From Both Sides, Add</i>	3.39	
03 01 30 71-0047 LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52).....	14.70	
<i>For Walls Instead Of Floors, Add</i>	1.22	
<i>For Cracks Accessible From Both Sides, Add</i>	3.39	
03 01 30 71-0048 Carbon Fiber Strengthening System (03 01 30 71-0001)		
<i>Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.</i>		
03 01 30 71-0049 SF Carbon Fiber Strengthening System Beams, Per Layer	42.04	
<i>Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.</i>		
03 01 30 71-0050 SF Carbon Fiber Strengthening System Columns, Per Layer	37.31	
<i>Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.</i>		
03 01 30 71-0051 SF Carbon Fiber Strengthening System Slabs, Per Layer	33.17	
<i>Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.</i>		
03 01 30 71-0052 Concrete Rehabilitation (03 01 30 71)		
03 01 30 71-0053 Corrosive Inhibitor (03 01 30 71-0052)		
03 01 30 71-0054 SF Corrosive Inhibitor.....	3.01	

03 05 Common Work Results For Concrete (03)

03 05 00 00-0001 Concrete Admixtures (03 05)

03 05 00 00-0002 CY Low Range Water Reducing (LRWR), Type A Concrete Admixture	3.37
03 05 00 00-0003 CY Set Retarding, Type B Concrete Admixture	2.33
03 05 00 00-0004 CY 1% Calcium Chloride Accelerating, Type C Concrete Admixture.....	3.63
03 05 00 00-0005 CY 2% Calcium Chloride Accelerating, Type C Concrete Admixture.....	7.26
03 05 00 00-0006 CY 1% Non-Chloride Accelerating, Type C Concrete Admixture.....	6.48
03 05 00 00-0007 CY 2% Non-Chloride Accelerating, Type C Concrete Admixture.....	12.96
03 05 00 00-0008 CY Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	2.80
03 05 00 00-0009 CY 1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	3.89
03 05 00 00-0010 CY 2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	7.77
03 05 00 00-0011 CY Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture	3.70
03 05 00 00-0012 CY High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture.....	6.22
03 05 00 00-0013 CY 1-1/2 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	8.29
03 05 00 00-0014 CY 25 LB/CY Steel Fibers, Concrete Admixture.....	20.34
03 05 00 00-0015 CY 10% Microsilica (Silica Fume), Concrete Admixture	59.21
03 05 00 00-0016 CY Corrosion Inhibiting Concrete Admixture	15.55
03 05 00 00-0017 CY Winter Service Or Heat, Concrete Add.....	3.63
03 05 00 00-0018 CY Chilled Water, Concrete Add	3.63
03 05 00 00-0019 CY Subtle Color (See Davis Colors Color Card), Concrete Admixture	20.99
03 05 00 00-0020 CY Standard Color (See Davis Colors Color Card), Concrete Admixture	34.99
03 05 00 00-0021 CY Premium Color (See Davis Colors Color Card), Concrete Admixture	67.17
03 05 00 00-0022 CY Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture	93.29

03 10 Concrete Forming And Accessories (03)

03 11 Concrete Forming (03 10)

03 11 13 Structural Cast-In-Place Concrete Forming (03 11)

Note: Per square foot of formwork.

03 11 13 00-0001 Wood Formwork (03 11 13)

Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.

03 11 13 00-0002 Foundation Wood Formwork (03 11 13 00-0001)

Note: For foundation work below or at grade.

03 11 13 00-0003 SF Continuous Footings Foundation Wood Formwork.....	4.61
<i>For <1,000, Add</i>	0.84
<i>For Foundations >8' Below Grade, Add</i>	0.80
<i>For Curved Formwork, Add</i>	1.60
03 11 13 00-0004 SF Pile Cap, Pier Or Spread Footings Foundation Wood Formwork.....	5.44
<i>For <1,000, Add</i>	1.00
<i>For Foundations >8' Below Grade, Add</i>	0.96
<i>For Curved Formwork, Add</i>	1.92
03 11 13 00-0005 SF Mat Foundation Wood Formwork.....	6.18
<i>For <1,000, Add</i>	1.16
<i>For Foundations >8' Below Grade, Add</i>	1.13
<i>For Curved Formwork, Add</i>	2.25
03 11 13 00-0006 SF Grade Beams Or Duct Bank Foundation Wood Formwork.....	5.16
<i>For <1,000, Add</i>	0.96
<i>For Foundations >8' Below Grade, Add</i>	0.92
<i>For Curved Formwork, Add</i>	1.85

03	Concrete
03 10	Concrete Forming And Accessories
03 11	Concrete Forming



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0007	SF		Below Grade Walls Foundation Wood Formwork .....7.36 Note: Excludes footing		
			For <1,000, Add	1.36	
			For Foundations >8' Below Grade, Add	1.31	
			For Curved Formwork, Add	2.61	
03 11 13 00-0008			Slab Edge And Block-Out Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0009	LF		Up To 6" High Slab Edge and Block-Out Wood Formwork .....3.48 For Foundations >8' Below Grade, Add	0.63	
			For Curved Formwork, Add	1.26	
			For Up To 250, Add	0.65	
03 11 13 00-0010	LF		>6" To 12" High Slab Edge and Block-Out Wood Formwork .....5.07 For Foundations >8' Below Grade, Add	0.89	
			For Curved Formwork, Add	1.77	
			For Up To 250, Add	0.93	
03 11 13 00-0011	SF		>12" High Slab Edge and Block-Out Wood Formwork .....6.44 For Foundations >8' Below Grade, Add	1.14	
			For Curved Formwork, Add	2.29	
			For <1,000, Add	1.19	
03 11 13 00-0012			Column Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0013	LF		Up To 8" Square Column Wood Formwork .....27.40		
03 11 13 00-0014	LF		>8" To 12" Square Column Wood Formwork .....39.99		
03 11 13 00-0015	LF		>12" To 18" Square Column Wood Formwork .....49.87		
03 11 13 00-0016	LF		>18" To 24" Square Column Wood Formwork .....70.87		
03 11 13 00-0017	LF		>24" To 36" Square Column Wood Formwork .....101.43		
03 11 13 00-0018	LF		>36" To 48" Square Column Wood Formwork .....133.37		
03 11 13 00-0019			Above Grade Wall Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0020	SF		Up To 8' High Above Grade Wall Wood Formwork .....8.19 For Curved Formwork, Add	2.94	
			For <1,000, Add	1.53	
03 11 13 00-0021	SF		>8' High Above Grade Wall Wood Formwork .....9.70 For Curved Formwork, Add	3.49	
			For <1,000, Add	1.81	
03 11 13 00-0022			Elevated Beam Wood Formwork (03 11 13 00-0001) Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0023	SF		Bottom of Elevated Beam Wood Formwork .....10.60 For Curved Formwork, Add	3.83	
			For <1,000, Add	1.98	
03 11 13 00-0024	SF		Vertical Sides of Elevated Beam Wood Formwork .....6.77 For Curved Formwork, Add	2.45	
			For <1,000, Add	1.27	
03 11 13 00-0025			Elevated Slab Wood Formwork (03 11 13 00-0001) Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0026	SF		Elevated Slab Wood Formwork .....6.37 For <1,000, Add	1.15	
03 11 13 00-0027			Metal Framed Formwork (03 11 13) Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0028			Foundation Metal Framed Formwork (03 11 13 00-0027) Note: For foundation work below or at grade.		
03 11 13 00-0029	SF		Continuous Footings Foundation Metal Framed Formwork .....3.87 For <1,000, Add	0.72	
			For Foundations >8' Below Grade, Add	0.70	
			For Curved Formwork, Add	1.40	
03 11 13 00-0030	SF		Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork .....4.30 For <1,000, Add	0.81	
			For Foundations >8' Below Grade, Add	0.78	
			For Curved Formwork, Add	1.56	
03 11 13 00-0031	SF		Mat Foundation Metal Framed Formwork .....4.79 For <1,000, Add	0.89	
			For Foundations >8' Below Grade, Add	0.86	
			For Curved Formwork, Add	1.72	
03 11 13 00-0032	SF		Grade Beams Or Duct Bank Foundation Metal Framed Formwork .....4.05 For <1,000, Add	0.75	
			For Foundations >8' Below Grade, Add	0.72	
			For Curved Formwork, Add	1.45	
03 11 13 00-0033	SF		Below Grade Walls Foundation Metal Framed Formwork .....6.22 Note: Excludes footing.		
			For <1,000, Add	1.17	
			For Foundations >8' Below Grade, Add	1.14	
			For Curved Formwork, Add	2.28	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 11 13 00-0034			Slab Edge And Block-Out Metal Framed Formwork (03 11 13 00-0027)		
	03 11 13 00-0035	LF		Up To 6" High Slab Edge and Block-Out Metal Framed Formwork	2.89	
				<i>For Foundations >8' Below Grade, Add</i>	0.57	
				<i>For Curved Formwork, Add</i>	1.13	
				<i>For <250, Add</i>	0.57	
	03 11 13 00-0036	LF		>6" To 12" High Slab Edge and Block-Out Metal Framed Formwork.....	3.62	
				<i>For Foundations >8' Below Grade, Add</i>	0.70	
				<i>For Curved Formwork, Add</i>	1.41	
				<i>For <250, Add</i>	0.71	
	03 11 13 00-0037	SF		>12" High Slab Edge and Block-Out Metal Framed Formwork.....	4.01	
				<i>For Foundations >8' Below Grade, Add</i>	0.78	
				<i>For Curved Formwork, Add</i>	1.56	
				<i>For <1,000, Add</i>	0.79	
	03 11 13 00-0038			Column Metal Framed Formwork (03 11 13 00-0027)		
	03 11 13 00-0039			Square Columns (03 11 13 00-0038)		
	03 11 13 00-0040	LF		Up To 12" Square Column Metal Framed Formwork	23.89	
	03 11 13 00-0041	LF		>12" To 16" Square Column Metal Framed Formwork	28.80	
	03 11 13 00-0042	LF		>16" To 20" Square Column Metal Framed Formwork	33.73	
	03 11 13 00-0043	LF		>20" To 24" Square Column Metal Framed Formwork	40.34	
	03 11 13 00-0044	LF		>24" To 30" Square Column Metal Framed Formwork	48.56	
	03 11 13 00-0045	LF		>30" To 36" Square Column Metal Framed Formwork	58.25	
	03 11 13 00-0046	LF		>36" To 48" Square Column Metal Framed Formwork	74.70	
	03 11 13 00-0047	LF		>48" To 60" Square Column Metal Framed Formwork	92.04	
	03 11 13 00-0048			Round Columns (03 11 13 00-0038)		
	03 11 13 00-0049	LF		Up To 12" Diameter Column Metal Formwork	21.71	
	03 11 13 00-0050	LF		>12" To 16" Diameter Column Metal Formwork.....	24.29	
	03 11 13 00-0051	LF		>16" To 20" Diameter Column Metal Formwork.....	28.03	
	03 11 13 00-0052	LF		>20" To 24" Diameter Column Metal Formwork.....	32.94	
	03 11 13 00-0053	LF		>24" To 30" Diameter Column Metal Formwork.....	39.07	
	03 11 13 00-0054	LF		>30" To 36" Diameter Column Metal Formwork.....	44.89	
	03 11 13 00-0055	LF		>36" To 48" Diameter Column Metal Formwork.....	57.51	
	03 11 13 00-0056	LF		>48" To 60" Diameter Column Metal Formwork.....	73.38	
	03 11 13 00-0057			Above Grade Wall Metal Framed Formwork (03 11 13 00-0027)		
	03 11 13 00-0058	SF		Up to 8' High Above Grade Wall Metal Framed Formwork	3.75	
				<i>For Curved Formwork, Add</i>	1.29	
				<i>For <1,000, Add</i>	0.68	
	03 11 13 00-0059	SF		>8' High Above Grade Wall Metal Framed Formwork.....	4.55	
				<i>For Curved Formwork, Add</i>	1.55	
				<i>For <1,000, Add</i>	0.82	
	03 11 13 00-0060			Elevated Beam Metal Framed Formwork (03 11 13 00-0027)		
				Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
	03 11 13 00-0061	SF		Bottom of Elevated Beam Metal Framed Formwork	3.79	
				<i>For Curved Formwork, Add</i>	1.21	
				<i>For <1,000, Add</i>	0.66	
	03 11 13 00-0062	SF		Vertical Sides of Elevated Beam Metal Framed Formwork.....	2.78	
				<i>For Curved Formwork, Add</i>	0.94	
				<i>For <1,000, Add</i>	0.50	
	03 11 13 00-0063			Elevated Slab Metal Framed Formwork (03 11 13 00-0027)		
				Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
	03 11 13 00-0064	SF		Elevated Slab Metal Framed Formwork.....	5.28	
				<i>For <1,000, Add</i>	0.80	
	03 11 13 00-0065			Fiber Tube Formwork (03 11 13)		
				Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.		
	03 11 13 00-0066			Round Column Fiber Tube Formwork (03 11 13 00-0065)		
	03 11 13 00-0067	LF		8" Diameter Round Fiber Tube Formwork	12.10	
				<i>For Plastic Lined, Add</i>	0.82	
				<i>For Columns >12' In Length, Add</i>	1.21	
	03 11 13 00-0068	LF		10" Diameter Round Fiber Tube Formwork	13.72	
				<i>For Plastic Lined, Add</i>	1.04	
				<i>For Columns >12' In Length, Add</i>	1.37	
	03 11 13 00-0069	LF		12" Diameter Round Fiber Tube Formwork	15.66	
				<i>For Plastic Lined, Add</i>	1.20	
				<i>For Columns >12' In Length, Add</i>	1.57	
	03 11 13 00-0070	LF		14" Diameter Round Fiber Tube Formwork	17.21	
				<i>For Plastic Lined, Add</i>	1.37	
				<i>For Columns >12' In Length, Add</i>	1.72	
	03 11 13 00-0071	LF		16" Diameter Round Fiber Tube Formwork	18.24	
				<i>For Plastic Lined, Add</i>	1.55	
				<i>For Columns >12' In Length, Add</i>	1.82	

03 Concrete**03 10 Concrete Forming And Accessories****03 11 Concrete Forming**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0072 LF 18" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	20.77 2.15 2.08	
03 11 13 00-0073 LF 20" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	23.17 2.72 2.32	
03 11 13 00-0074 LF 22" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	24.49 2.91 2.45	
03 11 13 00-0075 LF 24" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	25.82 3.09 2.58	
03 11 13 00-0076 LF 26" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	26.84 3.32 2.68	
03 11 13 00-0077 LF 28" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	27.96 3.57 2.80	
03 11 13 00-0078 LF 30" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	29.22 3.86 2.92	
03 11 13 00-0079 LF 36" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	33.55 4.85 3.36	
03 11 13 00-0080 LF 42" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	42.52 7.32 4.25	
03 11 13 00-0081 LF 48" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	51.46 9.79 5.15	
03 11 13 00-0082 Accessories For Formwork (03 11 13)		
03 11 13 00-0083 Keyway Forms, All Materials (03 11 13 00-0082)		
03 11 13 00-0084 LF 2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials.....	1.20	
03 11 13 00-0085 Chamfer Strips, All Materials (03 11 13 00-0082)		
03 11 13 00-0086 LF 1/2" Wide Chamfer Strips for Concrete Formwork, All Materials.....	1.27	
03 11 13 00-0087 LF 3/4" Wide Chamfer Strips for Concrete Formwork, All Materials.....	1.48	
03 11 13 00-0088 LF 1" Wide Chamfer Strips for Concrete Formwork, All Materials.....	1.70	
03 11 13 00-0089 Sleeves And Chases, Plastic Or Sheet Metal (03 11 13 00-0082)		
03 11 13 00-0090 EA 2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	7.10	
03 11 13 00-0091 EA 4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	8.64	
03 11 13 00-0092 EA 6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	10.44	
03 11 13 00-0093 EA 8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	11.93	
03 11 13 00-0094 EA 12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	15.39	
03 11 13 00-0095 EA 18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	34.28	
03 11 16 Architectural Cast-In-Place Concrete Forming (03 11)		
03 11 16 00-0001 Concrete Form Liners (03 11 16)		
03 11 16 00-0002 SF Concrete Form Liner, Various Patterns And Textures, Add To Formwork.....	3.16	
03 11 23 Permanent Stair Forming (03 11)		
03 11 23 00-0001 Stairway Wood Formwork (03 11 23)		
03 11 23 00-0002 SF Cast On Grade Stairway Wood Formwork <i>For Curved Formwork, Add</i> <i>For <1,000, Add</i>	10.28 3.90 1.98	
03 11 23 00-0003 SF Elevated Stairway Wood Formwork..... Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair. <i>For Curved Formwork, Add</i> <i>For <1,000, Add</i>	20.18 7.56 3.87	
03 11 23 00-0004 Stairway Metal Framed Formwork (03 11 23)		
03 11 23 00-0005 SF Cast On Grade Stairway Metal Framed Formwork <i>For Curved Formwork, Add</i> <i>For <1,000, Add</i>	8.22 3.14 1.60	
03 11 23 00-0006 SF Elevated Stairway Metal Framed Formwork Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair. <i>For Curved Formwork, Add</i> <i>For <1,000, Add</i>	15.34 5.85 2.97	

03 15 Concrete Accessories (03 10)



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 15 13 Waterstops (03 15)

03 15 13 13 Non-Expanding Waterstops (03 15 13)

03 15 13 13-0001 Polyvinyl Chloride (PVC) Waterstops (03 15 13 13)

03 15 13 13-0002	LF	3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	4.59
03 15 13 13-0003	LF	3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	5.15
03 15 13 13-0004	LF	3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	6.20
03 15 13 13-0005	LF	3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	6.80
03 15 13 13-0006	LF	1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	10.15
03 15 13 13-0007	LF	3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop.....	5.01
03 15 13 13-0008	LF	3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop.....	6.28
03 15 13 13-0009	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop.....	11.08
03 15 13 13-0010	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	8.78

03 15 13 13-0011 Rubber Waterstops (03 15 13 13)

03 15 13 13-0012	LF	3/8" Thick x 6" Wide Rubber Dumbbell Waterstop.....	5.98
03 15 13 13-0013	LF	3/8" Thick x 9" Wide Rubber Dumbbell Waterstop.....	7.10
03 15 13 13-0014	LF	1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	6.88
03 15 13 13-0015	LF	1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	10.12
03 15 13 13-0016	LF	3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	7.68
03 15 13 13-0017	LF	3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	10.46

03 15 13 16 Expanding Waterstops (03 15 13)

03 15 13 16-0001 Bentonite Waterstops (03 15 13 16)

03 15 13 16-0002	LF	3/4" x 3/8" Bentonite Waterstop.....	4.06
03 15 13 16-0003	LF	1-1/4" x 1/2" Bentonite Waterstop.....	6.20
03 15 13 16-0004	LF	1" x 3/4" Bentonite Waterstop.....	6.97
03 15 13 16-0005	LF	1" x 1" Bentonite Waterstop.....	7.88

03 15 16 Concrete Construction Joints (03 15)

03 15 16 00-0001 Poured Expansion Joint (03 15 16)

03 15 16 00-0002	LF	1/2" x 1" Plain Asphalt Expansion Joint, Poured.....	2.41	
		<i>For Installation In Walls, Add</i>	<i>0.87</i>	
03 15 16 00-0003	LF	1" x 2" Plain Asphalt Expansion Joint, Poured.....	5.77	0.52
		<i>For Installation In Walls, Add</i>	<i>0.98</i>	
03 15 16 00-0004	LF	1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied.....	1.91	0.52
		<i>For Installation In Walls, Add</i>	<i>0.87</i>	
03 15 16 00-0005	LF	1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied.....	4.31	0.52
		<i>For Installation In Walls, Add</i>	<i>0.98</i>	
03 15 16 00-0006	LF	1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts.....	2.70	0.52
		<i>For Installation In Walls, Add</i>	<i>0.98</i>	
03 15 16 00-0007	LF	1" x 2" Polyurethane Expansion Joint, Poured, 2 Parts.....	4.89	0.52
		<i>For Installation In Walls, Add</i>	<i>1.60</i>	
03 15 16 00-0008	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied.....	1.57	0.52
		<i>For Installation In Walls, Add</i>	<i>0.87</i>	
03 15 16 00-0009	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant.....	2.04	0.52
		<i>For Installation In Walls, Add</i>	<i>0.87</i>	
03 15 16 00-0010	LF	1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant.....	2.90	0.52
		<i>For Installation In Walls, Add</i>	<i>0.98</i>	

03 15 16 00-0011 Premolded Expansion Joints (03 15 16)

03 15 16 00-0012 Asphalt Saturated Fiber, Premolded Expansion Joints (03 15 16 00-0011)

03 15 16 00-0013	LF	1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.31	0.58
03 15 16 00-0014	LF	1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.55	0.62
03 15 16 00-0015	LF	1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.67	0.65
03 15 16 00-0016	LF	1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.82	0.68
03 15 16 00-0017	LF	3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.47	0.58
03 15 16 00-0018	LF	3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.67	0.62
03 15 16 00-0019	LF	3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.91	0.65
03 15 16 00-0020	LF	3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.27	0.68
03 15 16 00-0021	LF	1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.31	0.55
03 15 16 00-0022	LF	1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.45	0.58
03 15 16 00-0023	LF	1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.61	0.62
03 15 16 00-0024	LF	1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.73	0.65
03 15 16 00-0025	LF	1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.91	0.68
03 15 16 00-0026	LF	1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.16	0.71
03 15 16 00-0027	LF	1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.34	0.73
03 15 16 00-0028	LF	1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.68	0.76
03 15 16 00-0029	LF	3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.62	0.62
03 15 16 00-0030	LF	3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.90	0.65
03 15 16 00-0031	LF	3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.40	0.71
03 15 16 00-0032	SF	1" Asphalt Saturated Fiber, Premolded Expansion Joint.....	4.37	0.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0033 Cork, Premolded Expansion Joints <small>(03 15 16 00-0011)</small>		
03 15 16 00-0034 LF 1/2" x 4" Cork, Premolded Expansion Joint	2.54	0.62
03 15 16 00-0035 LF 1/2" x 6" Cork, Premolded Expansion Joint	2.86	0.68
03 15 16 00-0036 LF 1/2" x 8" Cork, Premolded Expansion Joint	3.14	0.71
03 15 16 00-0037 LF 1/2" x 10" Cork, Premolded Expansion Joint.....	4.61	0.73
03 15 16 00-0038 LF 1/2" x 12" Cork, Premolded Expansion Joint.....	4.92	0.76
03 15 16 00-0039 SF 1/2" Cork, Premolded Expansion Joint.....	5.34	0.97
03 15 16 00-0040 SF 3/4" Cork, Premolded Expansion Joint.....	6.31	0.97
03 15 16 00-0041 SF 1" Cork, Premolded Expansion Joint	6.76	0.97
03 15 16 00-0042 Flexible Polyethylene Foam, Premolded Expansion Joints <small>(03 15 16 00-0011)</small>		
03 15 16 00-0043 LF 1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	1.43	0.62
03 15 16 00-0044 LF 1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	1.49	0.65
03 15 16 00-0045 LF 1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	1.58	0.68
03 15 16 00-0046 LF 1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	1.90	0.71
03 15 16 00-0047 LF 1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	1.49	0.62
03 15 16 00-0048 LF 1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	1.55	0.65
03 15 16 00-0049 LF 1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	1.61	0.68
03 15 16 00-0050 LF 1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	1.81	0.71
03 15 16 00-0051 Zip Strip, Premolded Expansion Joints <small>(03 15 16 00-0011)</small>		
03 15 16 00-0052 LF 1" Zip Strip, Premolded Expansion Joint.....	1.46	0.62
03 15 16 00-0053 LF 1-1/2" Zip Strip, Premolded Expansion Joint.....	1.60	0.65
03 15 16 00-0054 LF 2" Zip Strip, Premolded Expansion Joint.....	1.80	0.71
03 15 16 00-0055 Sponge Rubber, Premolded Expansion Joints <small>(03 15 16 00-0011)</small>		
03 15 16 00-0056 LF 1/2" x 4" Sponge Rubber, Premolded Expansion Joint.....	3.18	0.58
03 15 16 00-0057 LF 1/2" x 6" Sponge Rubber, Premolded Expansion Joint.....	3.81	0.58
03 15 16 00-0058 Asphalt Felt Control Joints Or Bond Breaker <small>(03 15 16)</small>		
03 15 16 00-0059 SF Asphalt Felt Control Joint, 30 LB Felt Bond Breaker.....	0.68	0.43
03 15 16 00-0060 SF Asphalt Felt Control Joint, 15 LB Felt Bond Breaker.....	0.63	0.43
03 15 16 00-0061 Keyed Cold Expansion And Control Joints <small>(03 15 16)</small>		
03 15 16 00-0062 24 Gauge Galvanized Steel With Stakes <small>(03 15 16 00-0061)</small>		
03 15 16 00-0063 LF 24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint.....	3.42	
03 15 16 00-0064 LF 24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint.....	3.49	
03 15 16 00-0065 LF 24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint.....	3.62	
03 15 16 00-0066 LF 24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint.....	3.86	
03 15 16 00-0067 LF 24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint.....	4.93	
03 15 19 Cast-In Concrete Anchors <small>(03 15)</small>		
03 15 19 00-0001 Cast In Place Anchors <small>(03 15 19)</small>		
Note: For cast in place installations. Includes nut and washer.		
03 15 19 00-0002 J-Type Anchor Bolts <small>(03 15 19 00-0001)</small>		
See CSI section 03 11 13 00-0002 for template.		
03 15 19 00-0003 1/2" And 5/8" Diameter <small>(03 15 19 00-0002)</small>		
03 15 19 00-0004 EA 1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	4.75	
For Galvanized, Add	0.72	
For Stainless Steel, Add	5.01	
For >10 To 50, Deduct	-0.17	
For >50 To 100, Deduct	-0.37	
For >100, Deduct	-0.74	
03 15 19 00-0005 EA 1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	5.39	
For Galvanized, Add	0.91	
For Stainless Steel, Add	6.37	
For >10 To 50, Deduct	-0.18	
For >50 To 100, Deduct	-0.40	
For >100, Deduct	-0.81	
03 15 19 00-0006 EA 1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	6.39	
For Galvanized, Add	1.26	
For Stainless Steel, Add	8.79	
For >10 To 50, Deduct	-0.19	
For >50 To 100, Deduct	-0.45	
For >100, Deduct	-0.90	
03 15 19 00-0007 EA 5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	7.16	
For Galvanized, Add	1.64	
For Stainless Steel, Add	11.48	
For >10 To 50, Deduct	-0.19	
For >50 To 100, Deduct	-0.47	
For >100, Deduct	-0.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0008 EA 5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	8.61	
For Galvanized, Add	2.19	
For Stainless Steel, Add	15.33	
For >10 To 50, Deduct	-0.21	
For >50 To 100, Deduct	-0.53	
For >100, Deduct	-1.07	
03 15 19 00-0009 EA 5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	9.66	
For Galvanized, Add	2.51	
For Stainless Steel, Add	17.54	
For >10 To 50, Deduct	-0.23	
For >50 To 100, Deduct	-0.59	
For >100, Deduct	-1.18	
03 15 19 00-0010 3/4" And 7/8" Diameter (03 15 19 00-0002)		
03 15 19 00-0011 EA 3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	9.62	
For Galvanized, Add	2.49	
For Stainless Steel, Add	17.40	
For >10 To 50, Deduct	-0.23	
For >50 To 100, Deduct	-0.59	
For >100, Deduct	-1.18	
03 15 19 00-0012 EA 3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	10.96	
For Galvanized, Add	2.90	
For Stainless Steel, Add	20.27	
For >10 To 50, Deduct	-0.26	
For >50 To 100, Deduct	-0.66	
For >100, Deduct	-1.32	
03 15 19 00-0013 EA 3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	13.23	
For Galvanized, Add	3.71	
For Stainless Steel, Add	25.97	
For >10 To 50, Deduct	-0.29	
For >50 To 100, Deduct	-0.77	
For >100, Deduct	-1.53	
03 15 19 00-0014 EA 3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	15.86	
For Galvanized, Add	4.68	
For Stainless Steel, Add	32.73	
For >10 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-0.88	
For >100, Deduct	-1.77	
03 15 19 00-0015 EA 7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	12.61	
For Galvanized, Add	3.40	
For Stainless Steel, Add	23.80	
For >10 To 50, Deduct	-0.29	
For >50 To 100, Deduct	-0.75	
For >100, Deduct	-1.50	
03 15 19 00-0016 EA 7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	14.78	
For Galvanized, Add	4.07	
For Stainless Steel, Add	28.49	
For >10 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-0.87	
For >100, Deduct	-1.74	
03 15 19 00-0017 EA 7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	18.60	
For Galvanized, Add	5.43	
For Stainless Steel, Add	37.98	
For >10 To 50, Deduct	-0.39	
For >50 To 100, Deduct	-1.05	
For >100, Deduct	-2.09	
03 15 19 00-0018 1" And 1-1/8" Diameter (03 15 19 00-0002)		
03 15 19 00-0019 EA 1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	15.43	
For Galvanized, Add	4.40	
For Stainless Steel, Add	30.77	
For >10 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-0.88	
For >100, Deduct	-1.77	
03 15 19 00-0020 EA 1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	18.33	
For Galvanized, Add	5.29	
For Stainless Steel, Add	37.03	
For >10 To 50, Deduct	-0.39	
For >50 To 100, Deduct	-1.04	
For >100, Deduct	-2.08	
03 15 19 00-0021 EA 1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	22.56	
For Galvanized, Add	6.63	
For Stainless Steel, Add	46.41	
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.26	
For >100, Deduct	-2.52	
03 15 19 00-0022 EA 1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	27.83	
For Galvanized, Add	8.10	
For Stainless Steel, Add	56.70	
For >10 To 50, Deduct	-0.58	
For >50 To 100, Deduct	-1.57	
For >100, Deduct	-3.14	

03 Concrete**03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 15 19 00-0023	EA 1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	18.29	
	For Galvanized, Add	5.50	
	For Stainless Steel, Add	38.47	
	For >10 To 50, Deduct	-0.37	
	For >50 To 100, Deduct	-1.00	
	For >100, Deduct	-2.01	
03 15 19 00-0024	EA 1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	21.73	
	For Galvanized, Add	6.61	
	For Stainless Steel, Add	46.27	
	For >10 To 50, Deduct	-0.43	
	For >50 To 100, Deduct	-1.18	
	For >100, Deduct	-2.36	
03 15 19 00-0025	EA 1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	26.79	
	For Galvanized, Add	8.29	
	For Stainless Steel, Add	58.03	
	For >10 To 50, Deduct	-0.51	
	For >50 To 100, Deduct	-1.44	
	For >100, Deduct	-2.87	
03 15 19 00-0026	EA 1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	33.02	
	For Galvanized, Add	10.13	
	For Stainless Steel, Add	70.88	
	For >10 To 50, Deduct	-0.64	
	For >50 To 100, Deduct	-1.78	
	For >100, Deduct	-3.57	
03 15 19 00-0027	1-1/4" And 1-1/2" Diameter <small>(03 15 19 00-0002)</small>		
03 15 19 00-0028	EA 1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	21.80	
	For Galvanized, Add	6.87	
	For Stainless Steel, Add	48.06	
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-1.15	
	For >100, Deduct	-2.30	
03 15 19 00-0029	EA 1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	25.96	
	For Galvanized, Add	8.27	
	For Stainless Steel, Add	57.86	
	For >10 To 50, Deduct	-0.47	
	For >50 To 100, Deduct	-1.36	
	For >100, Deduct	-2.71	
03 15 19 00-0030	EA 1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	32.04	
	For Galvanized, Add	10.37	
	For Stainless Steel, Add	72.56	
	For >10 To 50, Deduct	-0.57	
	For >50 To 100, Deduct	-1.65	
	For >100, Deduct	-3.30	
03 15 19 00-0031	EA 1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	39.44	
	For Galvanized, Add	12.66	
	For Stainless Steel, Add	88.59	
	For >10 To 50, Deduct	-0.71	
	For >50 To 100, Deduct	-2.05	
	For >100, Deduct	-4.09	
03 15 19 00-0032	EA 1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	26.23	
	For Galvanized, Add	8.59	
	For Stainless Steel, Add	60.10	
	For >10 To 50, Deduct	-0.45	
	For >50 To 100, Deduct	-1.34	
	For >100, Deduct	-2.67	
03 15 19 00-0033	EA 1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	31.23	
	For Galvanized, Add	10.33	
	For Stainless Steel, Add	72.31	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.57	
	For >100, Deduct	-3.15	
03 15 19 00-0034	EA 1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	38.60	
	For Galvanized, Add	12.96	
	For Stainless Steel, Add	90.69	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.92	
	For >100, Deduct	-3.83	
03 15 19 00-0035	EA 1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	47.48	
	For Galvanized, Add	15.82	
	For Stainless Steel, Add	110.74	
	For >10 To 50, Deduct	-0.79	
	For >50 To 100, Deduct	-2.38	
	For >100, Deduct	-4.75	
03 15 19 00-0036	L-Type Anchor Bolts <small>(03 15 19 00-0001)</small>		
	See CSI section 03 11 13 00-0002 for template.		
03 15 19 00-0037	3/4" And 7/8" Diameter <small>(03 15 19 00-0036)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0038	EA			3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt 8.97		
				<i>For Galvanized, Add</i>	1.90	
				<i>For Stainless Steel, Add</i>	13.30	
				<i>For >10 To 50, Deduct</i>	-0.26	
				<i>For >50 To 100, Deduct</i>	-0.61	
				<i>For >100, Deduct</i>	-1.22	
03 15 19 00-0039	EA			3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt 10.50		
				<i>For Galvanized, Add</i>	2.35	
				<i>For Stainless Steel, Add</i>	16.42	
				<i>For >10 To 50, Deduct</i>	-0.29	
				<i>For >50 To 100, Deduct</i>	-0.70	
				<i>For >100, Deduct</i>	-1.40	
03 15 19 00-0040	EA			3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt 12.02		
				<i>For Galvanized, Add</i>	2.69	
				<i>For Stainless Steel, Add</i>	18.83	
				<i>For >10 To 50, Deduct</i>	-0.33	
				<i>For >50 To 100, Deduct</i>	-0.80	
				<i>For >100, Deduct</i>	-1.60	
03 15 19 00-0041	EA			3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt 13.34		
				<i>For Galvanized, Add</i>	2.80	
				<i>For Stainless Steel, Add</i>	19.57	
				<i>For >10 To 50, Deduct</i>	-0.39	
				<i>For >50 To 100, Deduct</i>	-0.91	
				<i>For >100, Deduct</i>	-1.83	
03 15 19 00-0042	EA			3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt 15.17		
				<i>For Galvanized, Add</i>	2.94	
				<i>For Stainless Steel, Add</i>	20.55	
				<i>For >10 To 50, Deduct</i>	-0.47	
				<i>For >50 To 100, Deduct</i>	-1.08	
				<i>For >100, Deduct</i>	-2.15	
03 15 19 00-0043	EA			7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt 10.52		
				<i>For Galvanized, Add</i>	2.36	
				<i>For Stainless Steel, Add</i>	16.49	
				<i>For >10 To 50, Deduct</i>	-0.29	
				<i>For >50 To 100, Deduct</i>	-0.70	
				<i>For >100, Deduct</i>	-1.40	
03 15 19 00-0044	EA			7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt 12.13		
				<i>For Galvanized, Add</i>	2.75	
				<i>For Stainless Steel, Add</i>	19.22	
				<i>For >10 To 50, Deduct</i>	-0.33	
				<i>For >50 To 100, Deduct</i>	-0.80	
				<i>For >100, Deduct</i>	-1.60	
03 15 19 00-0045	EA			7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt 14.04		
				<i>For Galvanized, Add</i>	3.15	
				<i>For Stainless Steel, Add</i>	22.02	
				<i>For >10 To 50, Deduct</i>	-0.39	
				<i>For >50 To 100, Deduct</i>	-0.93	
				<i>For >100, Deduct</i>	-1.86	
03 15 19 00-0046	EA			7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt 15.84		
				<i>For Galvanized, Add</i>	3.27	
				<i>For Stainless Steel, Add</i>	22.89	
				<i>For >10 To 50, Deduct</i>	-0.47	
				<i>For >50 To 100, Deduct</i>	-1.09	
				<i>For >100, Deduct</i>	-2.19	
03 15 19 00-0047	EA			7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt 18.50		
				<i>For Galvanized, Add</i>	3.44	
				<i>For Stainless Steel, Add</i>	24.05	
				<i>For >10 To 50, Deduct</i>	-0.58	
				<i>For >50 To 100, Deduct</i>	-1.33	
				<i>For >100, Deduct</i>	-2.67	
03 15 19 00-0048				1" And 1-1/8" Diameter <small>(03 15 19 00-0038)</small>		
03 15 19 00-0049	EA			1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt 12.68		
				<i>For Galvanized, Add</i>	3.02	
				<i>For Stainless Steel, Add</i>	21.14	
				<i>For >10 To 50, Deduct</i>	-0.33	
				<i>For >50 To 100, Deduct</i>	-0.82	
				<i>For >100, Deduct</i>	-1.63	
03 15 19 00-0050	EA			1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt 14.55		
				<i>For Galvanized, Add</i>	3.40	
				<i>For Stainless Steel, Add</i>	23.80	
				<i>For >10 To 50, Deduct</i>	-0.39	
				<i>For >50 To 100, Deduct</i>	-0.95	
				<i>For >100, Deduct</i>	-1.89	
03 15 19 00-0051	EA			1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt 16.90		
				<i>For Galvanized, Add</i>	3.80	
				<i>For Stainless Steel, Add</i>	26.60	
				<i>For >10 To 50, Deduct</i>	-0.47	
				<i>For >50 To 100, Deduct</i>	-1.12	
				<i>For >100, Deduct</i>	-2.24	

03 Concrete**03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0052	EA		1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	18.07	
			<i>For Galvanized, Add</i>	3.98	
			<i>For Stainless Steel, Add</i>	27.86	
			<i>For >10 To 50, Deduct</i>	-0.51	
			<i>For >50 To 100, Deduct</i>	-1.21	
			<i>For >100, Deduct</i>	-2.42	
03 15 19 00-0053	EA		1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	19.96	
			<i>For Galvanized, Add</i>	4.17	
			<i>For Stainless Steel, Add</i>	29.16	
			<i>For >10 To 50, Deduct</i>	-0.58	
			<i>For >50 To 100, Deduct</i>	-1.37	
			<i>For >100, Deduct</i>	-2.74	
03 15 19 00-0054	EA		1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	22.58	
			<i>For Galvanized, Add</i>	4.83	
			<i>For Stainless Steel, Add</i>	33.81	
			<i>For >10 To 50, Deduct</i>	-0.65	
			<i>For >50 To 100, Deduct</i>	-1.53	
			<i>For >100, Deduct</i>	-3.07	
03 15 19 00-0055	EA		1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	26.80	
			<i>For Galvanized, Add</i>	5.65	
			<i>For Stainless Steel, Add</i>	39.55	
			<i>For >10 To 50, Deduct</i>	-0.78	
			<i>For >50 To 100, Deduct</i>	-1.83	
			<i>For >100, Deduct</i>	-3.67	
03 15 19 00-0056	EA		1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	15.70	
			<i>For Galvanized, Add</i>	3.98	
			<i>For Stainless Steel, Add</i>	27.83	
			<i>For >10 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-0.97	
			<i>For >100, Deduct</i>	-1.95	
03 15 19 00-0057	EA		1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	18.20	
			<i>For Galvanized, Add</i>	4.45	
			<i>For Stainless Steel, Add</i>	31.15	
			<i>For >10 To 50, Deduct</i>	-0.47	
			<i>For >50 To 100, Deduct</i>	-1.15	
			<i>For >100, Deduct</i>	-2.31	
03 15 19 00-0058	EA		1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	19.42	
			<i>For Galvanized, Add</i>	4.66	
			<i>For Stainless Steel, Add</i>	32.59	
			<i>For >10 To 50, Deduct</i>	-0.51	
			<i>For >50 To 100, Deduct</i>	-1.24	
			<i>For >100, Deduct</i>	-2.49	

03 20 Concrete Reinforcing ⁽⁰³⁾

Note: Includes cutting or torching to size, bending where necessary and tie wires.

03 21 Reinforcement Bars ^(03 20)

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 - 0.167 Lbs./LF, #3 - 0.376 Lbs./LF, #4 - 0.668 Lbs./LF, #5 - 1.043 Lbs./LF, #6 - 1.502 Lbs./LF, #7 - 2.044 Lbs./LF, #8 - 2.670 Lbs./LF, #9 - 3.400 Lbs./LF, #10 - 4.303 Lbs./LF, #11 - 5.313 Lbs./LF, #14 - 7.650 Lbs./LF, #18 - 13.600 Lbs./LF.

03 21 11 Plain Steel Reinforcement Bars ^(03 21)**03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar** ^(03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0002	LF	#3, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.44
03 21 11 00-0003	LF	#4, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.74
03 21 11 00-0004	LF	#5, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.11
03 21 11 00-0005	LF	#6, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.52
03 21 11 00-0006	LF	#3, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.45
03 21 11 00-0007	LF	#4, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.76
03 21 11 00-0008	LF	#5, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.14
03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.56
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.46
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.78
03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.18
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.61
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.11
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.62
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.21
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.92
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar	4.66
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar	6.45
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar	11.02
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar	1.67
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar	2.18
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar	2.71
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.34
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar	4.08
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar	4.85
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar	6.72
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar	11.51
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.80	
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.20	
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.66	
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.16	
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.69	
03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.31	
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.04	
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.81	
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	6.66	
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	11.38	

03 21 11 00-0040 Columns, Steel Reinforcement Bar (03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar	0.46	
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar	0.79	
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar	1.17	
03 21 11 00-0044	LF	#6, Grade 40, Columns, Steel Reinforcement Bar	1.60	
03 21 11 00-0045	LF	#3, Grade 50, Columns, Steel Reinforcement Bar	0.47	
03 21 11 00-0046	LF	#4, Grade 50, Columns, Steel Reinforcement Bar	0.81	
03 21 11 00-0047	LF	#5, Grade 50, Columns, Steel Reinforcement Bar	1.20	
03 21 11 00-0048	LF	#6, Grade 50, Columns, Steel Reinforcement Bar	1.64	
03 21 11 00-0049	LF	#3, Grade 60, Columns, Steel Reinforcement Bar	0.48	
03 21 11 00-0050	LF	#4, Grade 60, Columns, Steel Reinforcement Bar	0.83	
03 21 11 00-0051	LF	#5, Grade 60, Columns, Steel Reinforcement Bar	1.24	
03 21 11 00-0052	LF	#6, Grade 60, Columns, Steel Reinforcement Bar	1.69	
03 21 11 00-0053	LF	#7, Grade 60, Columns, Steel Reinforcement Bar	2.21	
03 21 11 00-0054	LF	#8, Grade 60, Columns, Steel Reinforcement Bar	2.73	
03 21 11 00-0055	LF	#9, Grade 60, Columns, Steel Reinforcement Bar	3.34	
03 21 11 00-0056	LF	#10, Grade 60, Columns, Steel Reinforcement Bar	4.07	
03 21 11 00-0057	LF	#11, Grade 60, Columns, Steel Reinforcement Bar	4.83	
03 21 11 00-0058	LF	#14, Grade 60, Columns, Steel Reinforcement Bar	6.68	
03 21 11 00-0059	LF	#18, Grade 60, Columns, Steel Reinforcement Bar	11.38	
03 21 11 00-0060	LF	#6, Grade 75, Columns, Steel Reinforcement Bar	1.75	
03 21 11 00-0061	LF	#7, Grade 75, Columns, Steel Reinforcement Bar	2.28	
03 21 11 00-0062	LF	#8, Grade 75, Columns, Steel Reinforcement Bar	2.82	
03 21 11 00-0063	LF	#9, Grade 75, Columns, Steel Reinforcement Bar	3.47	
03 21 11 00-0064	LF	#10, Grade 75, Columns, Steel Reinforcement Bar	4.23	
03 21 11 00-0065	LF	#11, Grade 75, Columns, Steel Reinforcement Bar	5.02	
03 21 11 00-0066	LF	#14, Grade 75, Columns, Steel Reinforcement Bar	6.95	
03 21 11 00-0067	LF	#18, Grade 75, Columns, Steel Reinforcement Bar	11.87	
03 21 11 00-0068	LF	#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	0.49	
03 21 11 00-0069	LF	#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	0.85	
03 21 11 00-0070	LF	#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.26	
03 21 11 00-0071	LF	#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.74	
03 21 11 00-0072	LF	#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	2.26	
03 21 11 00-0073	LF	#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	2.80	
03 21 11 00-0074	LF	#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	3.44	
03 21 11 00-0075	LF	#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	4.19	
03 21 11 00-0076	LF	#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	4.98	
03 21 11 00-0077	LF	#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	6.89	
03 21 11 00-0078	LF	#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	11.74	

03 21 11 00-0079 Footings, Steel Reinforcement Bar (03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0080	LF	#3, Grade 40, Footings, Steel Reinforcement Bar	0.40	
03 21 11 00-0081	LF	#4, Grade 40, Footings, Steel Reinforcement Bar	0.68	
03 21 11 00-0082	LF	#5, Grade 40, Footings, Steel Reinforcement Bar	1.02	
03 21 11 00-0083	LF	#6, Grade 40, Footings, Steel Reinforcement Bar	1.40	
03 21 11 00-0084	LF	#3, Grade 50, Footings, Steel Reinforcement Bar	0.41	
03 21 11 00-0085	LF	#4, Grade 50, Footings, Steel Reinforcement Bar	0.70	
03 21 11 00-0086	LF	#5, Grade 50, Footings, Steel Reinforcement Bar	1.05	
03 21 11 00-0087	LF	#6, Grade 50, Footings, Steel Reinforcement Bar	1.44	
03 21 11 00-0088	LF	#3, Grade 60, Footings, Steel Reinforcement Bar	0.42	
03 21 11 00-0089	LF	#4, Grade 60, Footings, Steel Reinforcement Bar	0.72	
03 21 11 00-0090	LF	#5, Grade 60, Footings, Steel Reinforcement Bar	1.09	
03 21 11 00-0091	LF	#6, Grade 60, Footings, Steel Reinforcement Bar	1.49	
03 21 11 00-0092	LF	#7, Grade 60, Footings, Steel Reinforcement Bar	1.95	
03 21 11 00-0093	LF	#8, Grade 60, Footings, Steel Reinforcement Bar	2.45	
03 21 11 00-0094	LF	#9, Grade 60, Footings, Steel Reinforcement Bar	3.00	
03 21 11 00-0095	LF	#10, Grade 60, Footings, Steel Reinforcement Bar	3.68	
03 21 11 00-0096	LF	#11, Grade 60, Footings, Steel Reinforcement Bar	4.39	
03 21 11 00-0097	LF	#14, Grade 60, Footings, Steel Reinforcement Bar	6.11	
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar	10.48	
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar	1.55	
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar	2.02	
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar	2.54	
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar	3.13	
03 21 11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar	3.84	
03 21 11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar	4.58	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar	6.38
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar	10.97
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.43
03 21 11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.74
03 21 11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.11
03 21 11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.54
03 21 11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.00
03 21 11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.52
03 21 11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.10
03 21 11 00-0114	LF	#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.80
03 21 11 00-0115	LF	#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.54
03 21 11 00-0116	LF	#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	6.32
03 21 11 00-0117	LF	#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	10.84

03 21 11 00-0118 Slab On Grade, Steel Reinforcement Bar (0321 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0119	LF	#3, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.39
03 21 11 00-0120	LF	#4, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.66
03 21 11 00-0121	LF	#5, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.99
03 21 11 00-0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.36
03 21 11 00-0123	LF	#3, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.40
03 21 11 00-0124	LF	#4, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.68
03 21 11 00-0125	LF	#5, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.02
03 21 11 00-0126	LF	#6, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.40
03 21 11 00-0127	LF	#3, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.41
03 21 11 00-0128	LF	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.70
03 21 11 00-0129	LF	#5, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.06
03 21 11 00-0130	LF	#6, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.45
03 21 11 00-0131	LF	#7, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.90
03 21 11 00-0132	LF	#8, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.38
03 21 11 00-0133	LF	#9, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.94
03 21 11 00-0134	LF	#10, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.60
03 21 11 00-0135	LF	#11, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.31
03 21 11 00-0136	LF	#14, Grade 60, Slab On Grade, Steel Reinforcement Bar	5.99
03 21 11 00-0137	LF	#18, Grade 60, Slab On Grade, Steel Reinforcement Bar	10.29
03 21 11 00-0138	LF	#6, Grade 75, Slab On Grade, Steel Reinforcement Bar	1.51
03 21 11 00-0139	LF	#7, Grade 75, Slab On Grade, Steel Reinforcement Bar	1.97
03 21 11 00-0140	LF	#8, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.47
03 21 11 00-0141	LF	#9, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.07
03 21 11 00-0142	LF	#10, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.76
03 21 11 00-0143	LF	#11, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.50
03 21 11 00-0144	LF	#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	6.26
03 21 11 00-0145	LF	#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	10.78
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.42
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.72
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.08
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.50
03 21 11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.95
03 21 11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.45
03 21 11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.04
03 21 11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.72
03 21 11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.46
03 21 11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	6.20
03 21 11 00-0156	LF	#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	10.65

03 21 11 00-0157 Elevated Slabs, Steel Reinforcement Bar (0321 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.36
03 21 11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.61
03 21 11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.93
03 21 11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.28
03 21 11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.37
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.63
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.96
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.32
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.38
03 21 11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.65
03 21 11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.00
03 21 11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.37
03 21 11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.80
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.26
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.79
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.45
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.13
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	5.76
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	9.93
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	1.43
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	1.87
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0180 LF #9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.92	
03 21 11 00-0181 LF #10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.61	
03 21 11 00-0182 LF #11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.32	
03 21 11 00-0183 LF #14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	6.03	
03 21 11 00-0184 LF #18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	10.42	
03 21 11 00-0185 LF #3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.39	
03 21 11 00-0186 LF #4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.67	
03 21 11 00-0187 LF #5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.02	
03 21 11 00-0188 LF #6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.42	
03 21 11 00-0189 LF #7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.85	
03 21 11 00-0190 LF #8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.33	
03 21 11 00-0191 LF #9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.89	
03 21 11 00-0192 LF #10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.57	
03 21 11 00-0193 LF #11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.28	
03 21 11 00-0194 LF #14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	5.97	
03 21 11 00-0195 LF #18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	10.29	

03 21 11 00-0196 Walls, Steel Reinforcement Bar ^(03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0197 LF #3, Grade 40, Walls, Steel Reinforcement Bar	0.35	
03 21 11 00-0198 LF #4, Grade 40, Walls, Steel Reinforcement Bar	0.59	
03 21 11 00-0199 LF #5, Grade 40, Walls, Steel Reinforcement Bar	0.89	
03 21 11 00-0200 LF #6, Grade 40, Walls, Steel Reinforcement Bar	1.24	
03 21 11 00-0201 LF #3, Grade 50, Walls, Steel Reinforcement Bar	0.36	
03 21 11 00-0202 LF #4, Grade 50, Walls, Steel Reinforcement Bar	0.61	
03 21 11 00-0203 LF #5, Grade 50, Walls, Steel Reinforcement Bar	0.92	
03 21 11 00-0204 LF #6, Grade 50, Walls, Steel Reinforcement Bar	1.28	
03 21 11 00-0205 LF #3, Grade 60, Walls, Steel Reinforcement Bar	0.37	
03 21 11 00-0206 LF #4, Grade 60, Walls, Steel Reinforcement Bar	0.63	
03 21 11 00-0207 LF #5, Grade 60, Walls, Steel Reinforcement Bar	0.96	
03 21 11 00-0208 LF #6, Grade 60, Walls, Steel Reinforcement Bar	1.33	
03 21 11 00-0209 LF #7, Grade 60, Walls, Steel Reinforcement Bar	1.75	
03 21 11 00-0210 LF #8, Grade 60, Walls, Steel Reinforcement Bar	2.20	
03 21 11 00-0211 LF #9, Grade 60, Walls, Steel Reinforcement Bar	2.73	
03 21 11 00-0212 LF #10, Grade 60, Walls, Steel Reinforcement Bar	3.37	
03 21 11 00-0213 LF #11, Grade 60, Walls, Steel Reinforcement Bar	4.04	
03 21 11 00-0214 LF #14, Grade 60, Walls, Steel Reinforcement Bar	5.65	
03 21 11 00-0215 LF #18, Grade 60, Walls, Steel Reinforcement Bar	9.75	
03 21 11 00-0216 LF #6, Grade 75, Walls, Steel Reinforcement Bar	1.39	
03 21 11 00-0217 LF #7, Grade 75, Walls, Steel Reinforcement Bar	1.82	
03 21 11 00-0218 LF #8, Grade 75, Walls, Steel Reinforcement Bar	2.29	
03 21 11 00-0219 LF #9, Grade 75, Walls, Steel Reinforcement Bar	2.86	
03 21 11 00-0220 LF #10, Grade 75, Walls, Steel Reinforcement Bar	3.53	
03 21 11 00-0221 LF #11, Grade 75, Walls, Steel Reinforcement Bar	4.23	
03 21 11 00-0222 LF #14, Grade 75, Walls, Steel Reinforcement Bar	5.92	
03 21 11 00-0223 LF #18, Grade 75, Walls, Steel Reinforcement Bar	10.24	
03 21 11 00-0224 LF #3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.38	
03 21 11 00-0225 LF #4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.65	
03 21 11 00-0226 LF #5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.98	
03 21 11 00-0227 LF #6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.38	
03 21 11 00-0228 LF #7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.80	
03 21 11 00-0229 LF #8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.27	
03 21 11 00-0230 LF #9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.83	
03 21 11 00-0231 LF #10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.49	
03 21 11 00-0232 LF #11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	4.19	
03 21 11 00-0233 LF #14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	5.86	
03 21 11 00-0234 LF #18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	10.11	

03 21 11 00-0235 Deformed Straight Dowels ^(03 21 11)

Note: Excludes drilling. See CSI section 02 41 19 13-0261 for drilling in concrete.

03 21 11 00-0236 EA 3/8" Diameter x 24" Long, Deformed Straight Dowel	1.63	
For Up To 12" Length, Deduct	-0.24	
For >12" To <24" Length, Deduct	-0.12	
03 21 11 00-0237 EA 1/2" Diameter x 24" Long, Deformed Straight Dowel	1.97	
For Up To 12" Length, Deduct	-0.32	
For >12" To <24" Length, Deduct	-0.16	
03 21 11 00-0238 EA 5/8" Diameter x 24" Long, Deformed Straight Dowel	2.49	
For Up To 12" Length, Deduct	-0.50	
For >12" To <24" Length, Deduct	-0.25	
03 21 11 00-0239 EA 3/4" Diameter x 24" Long, Deformed Straight Dowel	3.12	
For Up To 12" Length, Deduct	-0.73	
For >12" To <24" Length, Deduct	-0.36	
03 21 11 00-0240 EA 7/8" Diameter x 24" Long, Deformed Straight Dowel	3.80	
For Up To 12" Length, Deduct	-1.02	
For >12" To <24" Length, Deduct	-0.51	
03 21 11 00-0241 EA 1" Diameter x 24" Long, Deformed Straight Dowel	4.80	
For Up To 12" Length, Deduct	-1.30	
For >12" To <24" Length, Deduct	-0.65	

03	Concrete
03 20	Concrete Reinforcing
03 21	Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0242	EA		1-1/8" Diameter x 24" Long, Deformed Straight Dowel .....5.73 <i>For Up To 12" Length, Deduct</i> <i>For >12" To <24" Length, Deduct</i>	-1.60 -0.80	
03 21 11 00-0243	EA		1-1/4" Diameter x 24" Long, Deformed Straight Dowel .....7.11 <i>For Up To 12" Length, Deduct</i> <i>For >12" To <24" Length, Deduct</i>	-2.10 -1.05	
03 21 11 00-0244	EA		1-3/8" Diameter x 24" Long, Deformed Straight Dowel .....8.51 <i>For Up To 12" Length, Deduct</i> <i>For >12" To <24" Length, Deduct</i>	-2.59 -1.29	
03 21 11 00-0245			Spirals, Reinforcing Steel <small>(03 21 11)</small>		
03 21 11 00-0246	TON		Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel .....3,421.42 <i>For Grade 75, Add</i>	174.32	
03 21 11 00-0247	TON		>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel .....3,395.08 <i>For Grade 75, Add</i>	174.32	
03 21 11 00-0248	TON		>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel .....3,395.08 <i>For Grade 75, Add</i>	174.32	
03 21 11 00-0249	TON		>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel .....3,342.15 <i>For Grade 75, Add</i>	174.32	
03 21 11 00-0250	TON		>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel .....3,297.75 <i>For Grade 75, Add</i>	174.32	
03 21 11 00-0251	TON		>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel .....3,310.98 <i>For Grade 75, Add</i>	178.61	
03 21 11 00-0252	TON		>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel .....3,273.80 <i>For Grade 75, Add</i>	178.61	
03 21 11 00-0253			Dowel Or Hairpin, Drilled And Epoxy Into Concrete <small>(03 21 11)</small>		
03 21 11 00-0254	EA		Dowels Or Hairpin, 1/2" x 30" Length, Drilled And Epoxy In Concrete, 6" Embedment .....14.09		
03 21 11 00-0255	EA		Dowels Or Hairpin, 1/2" x 36" Length, Drilled And Epoxy In Concrete, >6" To 12" Embedment .....14.74		
03 21 11 00-0256			Accessories For Reinforcing Steel <small>(03 21 11)</small>		
03 21 11 00-0257			Reinforcing Steel Weld Splice <small>(03 21 11 00-0256)</small>		
03 21 11 00-0258	EA		Up To #6 Reinforcing Steel Weld Splice .....27.03		
03 21 11 00-0259	EA		>#6 Reinforcing Steel Weld Splice .....39.12		
03 21 11 00-0260			Reinforcing Steel Sleeve And Wedge Splice Joint <small>(03 21 11 00-0256)</small>		
03 21 11 00-0261	EA		Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint .....21.08		
03 21 11 00-0262	EA		#5 Reinforcing Steel, Sleeve And Wedge Splice Joint .....32.04		
03 21 11 00-0263	EA		#6 Reinforcing Steel, Sleeve And Wedge Splice Joint .....47.64		
03 21 13			Galvanized Reinforcement Steel Bars <small>(03 21)</small>		
03 21 13 00-0001			Beams And Girders, Galvanized Steel Reinforcement Bar <small>(03 21 13)</small> Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0002	LF		#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar .....0.53		
03 21 13 00-0003	LF		#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar .....0.91		
03 21 13 00-0004	LF		#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar .....1.37		
03 21 13 00-0005	LF		#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar .....1.89		
03 21 13 00-0006	LF		#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar .....0.54		
03 21 13 00-0007	LF		#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar .....0.92		
03 21 13 00-0008	LF		#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar .....1.40		
03 21 13 00-0009	LF		#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar .....1.93		
03 21 13 00-0010	LF		#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....0.56		
03 21 13 00-0011	LF		#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....0.95		
03 21 13 00-0012	LF		#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....1.43		
03 21 13 00-0013	LF		#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....1.99		
03 21 13 00-0014	LF		#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....2.61		
03 21 13 00-0015	LF		#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....3.28		
03 21 13 00-0016	LF		#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....4.05		
03 21 13 00-0017	LF		#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....4.99		
03 21 13 00-0018	LF		#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....5.97		
03 21 13 00-0019	LF		#14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....8.34		
03 21 13 00-0020	LF		#18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....14.37		
03 21 13 00-0021	LF		#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar .....2.04		
03 21 13 00-0022	LF		#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar .....2.69		
03 21 13 00-0023	LF		#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar .....3.37		
03 21 13 00-0024	LF		#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar .....4.18		
03 21 13 00-0025	LF		#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar .....5.14		
03 21 13 00-0026	LF		#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar .....6.16		
03 21 13 00-0027	LF		#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar .....8.61		
03 21 13 00-0028	LF		#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar .....14.86		
03 21 13 00-0029			Columns, Galvanized Steel Reinforcement Bar <small>(03 21 13)</small> Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0030	LF		#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar .....0.55		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0031 LF #4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	0.96	
03 21 13 00-0032 LF #5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.43	
03 21 13 00-0033 LF #6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.97	
03 21 13 00-0034 LF #3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	0.56	
03 21 13 00-0035 LF #4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	0.97	
03 21 13 00-0036 LF #5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.46	
03 21 13 00-0037 LF #6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	2.01	
03 21 13 00-0038 LF #3, Grade 60, Columns, Galvanized Steel Reinforcement Bar	0.58	
03 21 13 00-0039 LF #4, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.00	
03 21 13 00-0040 LF #5, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.49	
03 21 13 00-0041 LF #6, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.07	
03 21 13 00-0042 LF #7, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.71	
03 21 13 00-0043 LF #8, Grade 60, Columns, Galvanized Steel Reinforcement Bar	3.39	
03 21 13 00-0044 LF #9, Grade 60, Columns, Galvanized Steel Reinforcement Bar	4.18	
03 21 13 00-0045 LF #10, Grade 60, Columns, Galvanized Steel Reinforcement Bar	5.14	
03 21 13 00-0046 LF #11, Grade 60, Columns, Galvanized Steel Reinforcement Bar	6.14	
03 21 13 00-0047 LF #14, Grade 60, Columns, Galvanized Steel Reinforcement Bar	8.57	
03 21 13 00-0048 LF #18, Grade 60, Columns, Galvanized Steel Reinforcement Bar	14.73	
03 21 13 00-0049 LF #6, Grade 75, Columns, Galvanized Steel Reinforcement Bar	2.12	
03 21 13 00-0050 LF #7, Grade 75, Columns, Galvanized Steel Reinforcement Bar	2.79	
03 21 13 00-0051 LF #8, Grade 75, Columns, Galvanized Steel Reinforcement Bar	3.48	
03 21 13 00-0052 LF #9, Grade 75, Columns, Galvanized Steel Reinforcement Bar	4.31	
03 21 13 00-0053 LF #10, Grade 75, Columns, Galvanized Steel Reinforcement Bar	5.29	
03 21 13 00-0054 LF #11, Grade 75, Columns, Galvanized Steel Reinforcement Bar	6.33	
03 21 13 00-0055 LF #14, Grade 75, Columns, Galvanized Steel Reinforcement Bar	8.84	
03 21 13 00-0056 LF #18, Grade 75, Columns, Galvanized Steel Reinforcement Bar	15.22	

03 21 13 00-0057

Footings, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0058 LF #3, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.49	
03 21 13 00-0059 LF #4, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.85	
03 21 13 00-0060 LF #5, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.28	
03 21 13 00-0061 LF #6, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.77	
03 21 13 00-0062 LF #3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.50	
03 21 13 00-0063 LF #4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.86	
03 21 13 00-0064 LF #5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.31	
03 21 13 00-0065 LF #6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.81	
03 21 13 00-0066 LF #3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.52	
03 21 13 00-0067 LF #4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.89	
03 21 13 00-0068 LF #5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.34	
03 21 13 00-0069 LF #6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.87	
03 21 13 00-0070 LF #7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.45	
03 21 13 00-0071 LF #8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.11	
03 21 13 00-0072 LF #9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.84	
03 21 13 00-0073 LF #10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.75	
03 21 13 00-0074 LF #11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	5.70	
03 21 13 00-0075 LF #14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	8.00	
03 21 13 00-0076 LF #18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	13.83	
03 21 13 00-0077 LF #6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	1.92	
03 21 13 00-0078 LF #7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	2.53	
03 21 13 00-0079 LF #8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.20	
03 21 13 00-0080 LF #9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.97	
03 21 13 00-0081 LF #10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	4.90	
03 21 13 00-0082 LF #11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	5.89	
03 21 13 00-0083 LF #14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	8.27	
03 21 13 00-0084 LF #18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	14.32	

03 21 13 00-0085

Slab On Grade, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0086 LF #3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.48	
03 21 13 00-0087 LF #4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.83	
03 21 13 00-0088 LF #5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.25	
03 21 13 00-0089 LF #6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.73	
03 21 13 00-0090 LF #3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.49	
03 21 13 00-0091 LF #4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.84	
03 21 13 00-0092 LF #5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.28	
03 21 13 00-0093 LF #6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.77	
03 21 13 00-0094 LF #3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.51	
03 21 13 00-0095 LF #4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.87	
03 21 13 00-0096 LF #5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.31	
03 21 13 00-0097 LF #6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.83	
03 21 13 00-0098 LF #7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.40	
03 21 13 00-0099 LF #8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.04	
03 21 13 00-0100 LF #9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.78	
03 21 13 00-0101 LF #10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.67	
03 21 13 00-0102 LF #11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	5.62	
03 21 13 00-0103 LF #14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	7.88	
03 21 13 00-0104 LF #18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	13.64	
03 21 13 00-0105 LF #6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	1.88	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21	13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	2.48
03 21	13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.13
03 21	13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.91
03 21	13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	4.82
03 21	13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.81
03 21	13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	8.15
03 21	13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	14.13

03 21 13 00-0113 Elevated Slabs, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21	13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.45
03 21	13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.78
03 21	13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.19
03 21	13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.65
03 21	13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.46
03 21	13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.79
03 21	13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.22
03 21	13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.69
03 21	13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.48
03 21	13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.82
03 21	13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.25
03 21	13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.75
03 21	13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.30
03 21	13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.92
03 21	13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.63
03 21	13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.52
03 21	13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.44
03 21	13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.65
03 21	13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	13.28
03 21	13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.80
03 21	13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.38
03 21	13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.01
03 21	13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.76
03 21	13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.67
03 21	13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.63
03 21	13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.92
03 21	13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	13.77

03 21 13 00-0141 Walls, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21	13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.44
03 21	13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.76
03 21	13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.15
03 21	13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.61
03 21	13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.45
03 21	13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.77
03 21	13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.18
03 21	13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.65
03 21	13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.47
03 21	13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.80
03 21	13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.21
03 21	13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.71
03 21	13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.25
03 21	13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.86
03 21	13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.57
03 21	13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	4.44
03 21	13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.35
03 21	13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	7.54
03 21	13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	13.10
03 21	13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	1.76
03 21	13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	2.33
03 21	13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	2.95
03 21	13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.70
03 21	13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.59
03 21	13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	5.54
03 21	13 00-0167	LF	#14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	7.81
03 21	13 00-0168	LF	#18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	13.59

03 21 16 Epoxy-Coated Reinforcement Steel Bars (03 21)

03 21 16 00-0001 Beams And Girders, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21	16 00-0002	LF	#3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.52
03 21	16 00-0003	LF	#4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.89
03 21	16 00-0004	LF	#5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.34
03 21	16 00-0005	LF	#6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.85
03 21	16 00-0006	LF	#3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.53
03 21	16 00-0007	LF	#4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.90
03 21	16 00-0008	LF	#5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.37



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0009	LF			#6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.89	
03 21 16 00-0010	LF			#3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.55	
03 21 16 00-0011	LF			#4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.93	
03 21 16 00-0012	LF			#5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.41	
03 21 16 00-0013	LF			#6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.94	
03 21 16 00-0014	LF			#7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.56	
03 21 16 00-0015	LF			#8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.21	
03 21 16 00-0016	LF			#9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.96	
03 21 16 00-0017	LF			#10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.87	
03 21 16 00-0018	LF			#11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.83	
03 21 16 00-0019	LF			#14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.13	
03 21 16 00-0020	LF			#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	14.01	
03 21 16 00-0021	LF			#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.00	
03 21 16 00-0022	LF			#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.63	
03 21 16 00-0023	LF			#8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.30	
03 21 16 00-0024	LF			#9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.08	
03 21 16 00-0025	LF			#10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.02	
03 21 16 00-0026	LF			#11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.02	
03 21 16 00-0027	LF			#14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.41	
03 21 16 00-0028	LF			#18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	14.50	

03 21 16 00-0029 Columns, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0030	LF			#3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	0.54	
03 21 16 00-0031	LF			#4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	0.94	
03 21 16 00-0032	LF			#5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.40	
03 21 16 00-0033	LF			#6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.93	
03 21 16 00-0034	LF			#3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	0.55	
03 21 16 00-0035	LF			#4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	0.95	
03 21 16 00-0036	LF			#5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.43	
03 21 16 00-0037	LF			#6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.97	
03 21 16 00-0038	LF			#3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	0.57	
03 21 16 00-0039	LF			#4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	0.98	
03 21 16 00-0040	LF			#5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.47	
03 21 16 00-0041	LF			#6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.02	
03 21 16 00-0042	LF			#7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.66	
03 21 16 00-0043	LF			#8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.32	
03 21 16 00-0044	LF			#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	4.09	
03 21 16 00-0045	LF			#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	5.02	
03 21 16 00-0046	LF			#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	6.00	
03 21 16 00-0047	LF			#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	8.36	
03 21 16 00-0048	LF			#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	14.37	
03 21 16 00-0049	LF			#6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	2.08	
03 21 16 00-0050	LF			#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	2.73	
03 21 16 00-0051	LF			#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	3.41	
03 21 16 00-0052	LF			#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	4.21	
03 21 16 00-0053	LF			#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	5.17	
03 21 16 00-0054	LF			#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	6.19	
03 21 16 00-0055	LF			#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	8.64	
03 21 16 00-0056	LF			#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	14.86	

03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0058	LF			#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.48	
03 21 16 00-0059	LF			#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.83	
03 21 16 00-0060	LF			#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.25	
03 21 16 00-0061	LF			#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.73	
03 21 16 00-0062	LF			#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.49	
03 21 16 00-0063	LF			#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.84	
03 21 16 00-0064	LF			#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.28	
03 21 16 00-0065	LF			#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.77	
03 21 16 00-0066	LF			#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.51	
03 21 16 00-0067	LF			#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.87	
03 21 16 00-0068	LF			#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.32	
03 21 16 00-0069	LF			#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.82	
03 21 16 00-0070	LF			#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.40	
03 21 16 00-0071	LF			#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	3.04	
03 21 16 00-0072	LF			#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	3.75	
03 21 16 00-0073	LF			#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	4.63	
03 21 16 00-0074	LF			#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	5.56	
03 21 16 00-0075	LF			#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	7.79	
03 21 16 00-0076	LF			#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	13.47	
03 21 16 00-0077	LF			#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	1.88	
03 21 16 00-0078	LF			#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	2.47	
03 21 16 00-0079	LF			#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	3.13	
03 21 16 00-0080	LF			#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	3.87	
03 21 16 00-0081	LF			#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	4.78	
03 21 16 00-0082	LF			#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	5.75	
03 21 16 00-0083	LF			#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	8.07	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 16 00-0084 LF #18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar 13.96

03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0086 LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.47
03 21 16 00-0087 LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.81
03 21 16 00-0088 LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.22
03 21 16 00-0089 LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.69
03 21 16 00-0090 LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.48
03 21 16 00-0091 LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.82
03 21 16 00-0092 LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.25
03 21 16 00-0093 LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.73
03 21 16 00-0094 LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.50
03 21 16 00-0095 LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.85
03 21 16 00-0096 LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.29
03 21 16 00-0097 LF	#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.78
03 21 16 00-0098 LF	#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.35
03 21 16 00-0099 LF	#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.97
03 21 16 00-0100 LF	#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.69
03 21 16 00-0101 LF	#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	4.55
03 21 16 00-0102 LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	5.48
03 21 16 00-0103 LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	7.67
03 21 16 00-0104 LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	13.28
03 21 16 00-0105 LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.84
03 21 16 00-0106 LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.42
03 21 16 00-0107 LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.06
03 21 16 00-0108 LF	#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.81
03 21 16 00-0109 LF	#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	4.70
03 21 16 00-0110 LF	#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	5.67
03 21 16 00-0111 LF	#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	7.95
03 21 16 00-0112 LF	#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	13.77

03 21 16 00-0113 Elevated Slabs, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0114 LF	#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.44
03 21 16 00-0115 LF	#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.76
03 21 16 00-0116 LF	#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.16
03 21 16 00-0117 LF	#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.61
03 21 16 00-0118 LF	#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.45
03 21 16 00-0119 LF	#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.77
03 21 16 00-0120 LF	#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.19
03 21 16 00-0121 LF	#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.65
03 21 16 00-0122 LF	#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.47
03 21 16 00-0123 LF	#4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.80
03 21 16 00-0124 LF	#5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.23
03 21 16 00-0125 LF	#6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.70
03 21 16 00-0126 LF	#7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.25
03 21 16 00-0127 LF	#8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.85
03 21 16 00-0128 LF	#9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.54
03 21 16 00-0129 LF	#10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.40
03 21 16 00-0130 LF	#11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.30
03 21 16 00-0131 LF	#14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	7.44
03 21 16 00-0132 LF	#18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	12.92
03 21 16 00-0133 LF	#6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.76
03 21 16 00-0134 LF	#7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.32
03 21 16 00-0135 LF	#8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.94
03 21 16 00-0136 LF	#9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.66
03 21 16 00-0137 LF	#10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.55
03 21 16 00-0138 LF	#11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.49
03 21 16 00-0139 LF	#14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	7.72
03 21 16 00-0140 LF	#18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	13.41

03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0142 LF	#3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.43
03 21 16 00-0143 LF	#4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.74
03 21 16 00-0144 LF	#5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.12
03 21 16 00-0145 LF	#6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.57
03 21 16 00-0146 LF	#3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.44
03 21 16 00-0147 LF	#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.75
03 21 16 00-0148 LF	#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.15
03 21 16 00-0149 LF	#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.61
03 21 16 00-0150 LF	#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.46
03 21 16 00-0151 LF	#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.78
03 21 16 00-0152 LF	#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.19
03 21 16 00-0153 LF	#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.66
03 21 16 00-0154 LF	#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.20
03 21 16 00-0155 LF	#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.79



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0156 LF #9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.48	
03 21 16 00-0157 LF #10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.32	
03 21 16 00-0158 LF #11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.21	
03 21 16 00-0159 LF #14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	7.33	
03 21 16 00-0160 LF #18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	12.74	
03 21 16 00-0161 LF #6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.72	
03 21 16 00-0162 LF #7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.27	
03 21 16 00-0163 LF #8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.88	
03 21 16 00-0164 LF #9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.60	
03 21 16 00-0165 LF #10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.47	
03 21 16 00-0166 LF #11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.40	
03 21 16 00-0167 LF #14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	7.61	
03 21 16 00-0168 LF #18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	13.23	
03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels <small>(03 21 16)</small>		
<small>Note: Excludes drilling. See CSI section 02 41 19 13-0261 for drilling in concrete.</small>		
03 21 16 00-0170 EA 3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	1.96	
<i>For Up To 12" Length, Deduct</i>	-0.34	
<i>For >12" To <24" Length, Deduct</i>	-0.17	
03 21 16 00-0171 EA 1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	2.46	
<i>For Up To 12" Length, Deduct</i>	-0.52	
<i>For >12" To <24" Length, Deduct</i>	-0.26	
03 21 16 00-0172 EA 5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	3.15	
<i>For Up To 12" Length, Deduct</i>	-0.77	
<i>For >12" To <24" Length, Deduct</i>	-0.38	
03 21 16 00-0173 EA 3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	3.85	
<i>For Up To 12" Length, Deduct</i>	-1.02	
<i>For >12" To <24" Length, Deduct</i>	-0.51	
03 21 16 00-0174 EA 7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	4.88	
<i>For Up To 12" Length, Deduct</i>	-1.39	
<i>For >12" To <24" Length, Deduct</i>	-0.69	
03 21 16 00-0175 EA 1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	5.82	
<i>For Up To 12" Length, Deduct</i>	-1.71	
<i>For >12" To <24" Length, Deduct</i>	-0.85	
03 21 16 00-0176 EA 1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	6.97	
<i>For Up To 12" Length, Deduct</i>	-2.07	
<i>For >12" To <24" Length, Deduct</i>	-1.03	
03 21 16 00-0177 EA 1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	8.39	
<i>For Up To 12" Length, Deduct</i>	-2.50	
<i>For >12" To <24" Length, Deduct</i>	-1.25	
03 30 Cast-In-Place Concrete <small>(03)</small>		
<small>See CSI section 01 74 19 00-0034 for hauling over 15 miles.</small>		
03 31 Structural Concrete <small>(03 30)</small>		
03 31 13 Heavyweight Structural Concrete <small>(03 31)</small>		
<small>Note: Includes delivery and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 00 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.</small>		
03 31 13 00-0001 Concrete Assemblies <small>(03 31 13)</small>		
03 31 13 00-0002 3,000 PSI Slab On Grade Concrete Slabs Assemblies <small>(03 31 13 00-0001)</small>		
<small>Note: Includes forms, welded wire reinforcement (where necessary), #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 00 00-0001 for color additive alternative, 03 31 13 00-0088 for concrete pumping equipment.</small>		
03 31 13 00-0003 SF 4" 3,000 PSI Slab On Grade Concrete Slabs Assembly.....	4.93	
<i>For 2,000 PSI Concrete, Deduct</i>	-0.14	
<i>For 2,500 PSI Concrete, Deduct</i>	-0.07	
<i>For 3,500 PSI Concrete, Add</i>	0.05	
<i>For 4,000 PSI Concrete, Add</i>	0.16	
<i>For Reinforcing Rods Are At 18" On Center, Deduct</i>	-0.13	
<i>For Reinforcing Rods Are At 24" On Center, Deduct</i>	-0.40	
<i>For Up To 500, Add</i>	1.92	
<i>For >500 To 1,000, Add</i>	1.32	
<i>For >1,000 To 2,000, Add</i>	0.73	
<i>For >2,000 To 5,000, Add</i>	0.36	
<i>For >10,000 To 20,000, Deduct</i>	-0.13	
<i>For >20,000 To 35,000, Deduct</i>	-0.25	
<i>For >35,000 To 50,000, Deduct</i>	-0.38	
<i>For >50,000 To 70,000, Deduct</i>	-0.50	
<i>For >70,000, Deduct</i>	-0.62	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0004	SF 5" 3,000 PSI Slab On Grade Concrete Slabs Assembly	5.39
	For 2,000 PSI Concrete, Deduct	-0.16
	For 2,500 PSI Concrete, Deduct	-0.08
	For 3,500 PSI Concrete, Add	0.06
	For 4,000 PSI Concrete, Add	0.19
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.13
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.40
	For Up To 500, Add	2.06
	For >500 To 1,000, Add	1.42
	For >1,000 To 2,000, Add	0.78
	For >2,000 To 5,000, Add	0.39
	For >10,000 To 20,000, Deduct	-0.15
	For >20,000 To 35,000, Deduct	-0.28
	For >35,000 To 50,000, Deduct	-0.42
	For >50,000 To 70,000, Deduct	-0.55
	For >70,000, Deduct	-0.69
03 31 13 00-0005	SF 6" 3,000 PSI Slab On Grade Concrete Slabs Assembly	6.04
	For 2,000 PSI Concrete, Deduct	-0.19
	For 2,500 PSI Concrete, Deduct	-0.09
	For 3,500 PSI Concrete, Add	0.07
	For 4,000 PSI Concrete, Add	0.22
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.13
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.40
	For Up To 500, Add	2.25
	For >500 To 1,000, Add	1.56
	For >1,000 To 2,000, Add	0.87
	For >2,000 To 5,000, Add	0.43
	For >10,000 To 20,000, Deduct	-0.17
	For >20,000 To 35,000, Deduct	-0.32
	For >35,000 To 50,000, Deduct	-0.47
	For >50,000 To 70,000, Deduct	-0.62
	For >70,000, Deduct	-0.78
03 31 13 00-0006	SF 7" 3,000 PSI Slab On Grade Concrete Slabs Assembly	6.67
	For 2,000 PSI Concrete, Deduct	-0.21
	For 2,500 PSI Concrete, Deduct	-0.11
	For 3,500 PSI Concrete, Add	0.08
	For 4,000 PSI Concrete, Add	0.25
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.13
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.40
	For Up To 500, Add	2.42
	For >500 To 1,000, Add	1.68
	For >1,000 To 2,000, Add	0.94
	For >2,000 To 5,000, Add	0.47
	For >10,000 To 20,000, Deduct	-0.20
	For >20,000 To 35,000, Deduct	-0.36
	For >35,000 To 50,000, Deduct	-0.53
	For >50,000 To 70,000, Deduct	-0.70
	For >70,000, Deduct	-0.86
03 31 13 00-0007	SF 8" 3,000 PSI Slab On Grade Concrete Slabs Assembly	7.20
	For 2,000 PSI Concrete, Deduct	-0.24
	For 2,500 PSI Concrete, Deduct	-0.12
	For 3,500 PSI Concrete, Add	0.08
	For 4,000 PSI Concrete, Add	0.28
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.13
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.40
	For Up To 500, Add	2.57
	For >500 To 1,000, Add	1.79
	For >1,000 To 2,000, Add	1.00
	For >2,000 To 5,000, Add	0.50
	For >10,000 To 20,000, Deduct	-0.22
	For >20,000 To 35,000, Deduct	-0.40
	For >35,000 To 50,000, Deduct	-0.58
	For >50,000 To 70,000, Deduct	-0.76
	For >70,000, Deduct	-0.94
03 31 13 00-0008	SF 10" 3,000 PSI Slab On Grade Concrete Slabs Assembly	8.58
	For 2,000 PSI Concrete, Deduct	-0.30
	For 2,500 PSI Concrete, Deduct	-0.15
	For 3,500 PSI Concrete, Add	0.11
	For 4,000 PSI Concrete, Add	0.35
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.13
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.40
	For Up To 500, Add	2.94
	For >500 To 1,000, Add	2.05
	For >1,000 To 2,000, Add	1.16
	For >2,000 To 5,000, Add	0.58
	For >10,000 To 20,000, Deduct	-0.28
	For >20,000 To 35,000, Deduct	-0.49
	For >35,000 To 50,000, Deduct	-0.71
	For >50,000 To 70,000, Deduct	-0.92
	For >70,000, Deduct	-1.13



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0009 SF 12" 3,000 PSI Slab On Grade Concrete Slabs Assembly	9.64	
For 2,000 PSI Concrete, Deduct	-0.34	
For 2,500 PSI Concrete, Deduct	-0.17	
For 3,500 PSI Concrete, Add	0.12	
For 4,000 PSI Concrete, Add	0.40	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
For Up To 500, Add	3.24	
For >500 To 1,000, Add	2.26	
For >1,000 To 2,000, Add	1.29	
For >2,000 To 5,000, Add	0.65	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000 To 35,000, Deduct	-0.56	
For >35,000 To 50,000, Deduct	-0.80	
For >50,000 To 70,000, Deduct	-1.04	
For >70,000, Deduct	-1.28	
03 31 13 00-0010 Concrete Delivery And Placement <small>(03 31 13)</small>		
Note: Includes cleaning out equipment and standard concrete placement tests.		
03 31 13 00-0011 Place Concrete By Method Indicated <small>(03 31 13 00-0010)</small>		
Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 31 13 00-0088 for concrete pumping equipment.		
03 31 13 00-0012 Place Concrete Pile Caps <small>(03 31 13 00-0011)</small>		
03 31 13 00-0013 CY Crane And Bucket, Place 3,000 PSI Concrete Pile Caps	184.50	
For 2,000 PSI Concrete, Deduct	-5.76	
For 2,500 PSI Concrete, Deduct	-2.88	
For 3,500 PSI Concrete, Add	5.33	
For 3,750 PSI Concrete, Add	7.25	
For 4,000 PSI Concrete, Add	9.17	
For 4,500 PSI Concrete, Add	10.66	
For 5,000 PSI Concrete, Add	12.15	
For 6,000 PSI Concrete, Add	28.78	
For White Cement Concrete, Add	12.79	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.86	
For High Early Strength, Type 3 ASTM C150, Add	10.66	
For Lightweight Aggregate, ASTM C330, Add	31.97	
For Up To 20, Add	31.17	
For >20 To 50, Add	11.69	
For >100 To 200, Deduct	-3.69	
For >200 To 400, Deduct	-7.38	
For >400, Deduct	-11.07	
03 31 13 00-0014 CY Direct Chute, Place 3,000 PSI Concrete Pile Caps	140.60	
For 2,000 PSI Concrete, Deduct	-5.75	
For 2,500 PSI Concrete, Deduct	-2.88	
For 3,500 PSI Concrete, Add	5.33	
For 3,750 PSI Concrete, Add	7.25	
For 4,000 PSI Concrete, Add	9.17	
For 4,500 PSI Concrete, Add	10.66	
For 5,000 PSI Concrete, Add	12.15	
For 6,000 PSI Concrete, Add	28.77	
For White Cement Concrete, Add	12.79	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85	
For High Early Strength, Type 3 ASTM C150, Add	10.66	
For Lightweight Aggregate, ASTM C330, Add	31.97	
For Up To 20, Add	13.61	
For >20 To 50, Add	5.10	
For >100 To 200, Deduct	-2.81	
For >200 To 400, Deduct	-5.62	
For >400, Deduct	-8.44	
03 31 13 00-0015 CY Concrete Pump, Place 3,000 PSI Concrete Pile Caps	147.86	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-6.23	
For 2,500 PSI Concrete, Deduct	-3.12	
For 3,500 PSI Concrete, Add	5.77	
For 3,750 PSI Concrete, Add	7.85	
For 4,000 PSI Concrete, Add	9.93	
For 4,500 PSI Concrete, Add	11.55	
For 5,000 PSI Concrete, Add	13.16	
For 6,000 PSI Concrete, Add	31.17	
For White Cement Concrete, Add	13.85	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.01	
For High Early Strength, Type 3 ASTM C150, Add	11.55	
For Lightweight Aggregate, ASTM C330, Add	34.64	
For Up To 20, Add	12.96	
For >20 To 50, Add	4.86	
For >100 To 200, Deduct	-2.96	
For >200 To 400, Deduct	-5.91	
For >400, Deduct	-8.87	
03 31 13 00-0016 Place Concrete Continuous Footings <small>(03 31 13 00-0011)</small>		

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0017	CY Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings.....	175.82
	For 2,000 PSI Concrete, Deduct	-5.75
	For 2,500 PSI Concrete, Deduct	-2.88
	For 3,500 PSI Concrete, Add	5.33
	For 3,750 PSI Concrete, Add	7.25
	For 4,000 PSI Concrete, Add	9.17
	For 4,500 PSI Concrete, Add	10.66
	For 5,000 PSI Concrete, Add	12.15
	For 6,000 PSI Concrete, Add	28.77
	For White Cement Concrete, Add	12.79
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85
	For High Early Strength, Type 3 ASTM C150, Add	10.66
	For Lightweight Aggregate, ASTM C330, Add	31.97
	For Up To 20, Add	27.70
	For >20 To 50, Add	10.39
	For >100 To 200, Deduct	-3.52
	For >200 To 400, Deduct	-7.03
	For >400, Deduct	-10.55
03 31 13 00-0018	CY Direct Chute, Place 3,000 PSI Concrete Continuous Footings.....	136.83
	For 2,000 PSI Concrete, Deduct	-5.75
	For 2,500 PSI Concrete, Deduct	-2.88
	For 3,500 PSI Concrete, Add	5.33
	For 3,750 PSI Concrete, Add	7.25
	For 4,000 PSI Concrete, Add	9.17
	For 4,500 PSI Concrete, Add	10.66
	For 5,000 PSI Concrete, Add	12.15
	For 6,000 PSI Concrete, Add	28.77
	For White Cement Concrete, Add	12.79
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85
	For High Early Strength, Type 3 ASTM C150, Add	10.66
	For Lightweight Aggregate, ASTM C330, Add	31.97
	For Up To 20, Add	12.10
	For >20 To 50, Add	4.54
	For >100 To 200, Deduct	-2.74
	For >200 To 400, Deduct	-5.47
	For >400, Deduct	-8.21
03 31 13 00-0019	CY Concrete Pump, Place 3,000 PSI Concrete Continuous Footings.....	144.26
	Note: Excludes pumping equipment.	
	For 2,000 PSI Concrete, Deduct	-6.23
	For 2,500 PSI Concrete, Deduct	-3.12
	For 3,500 PSI Concrete, Add	5.77
	For 3,750 PSI Concrete, Add	7.85
	For 4,000 PSI Concrete, Add	9.93
	For 4,500 PSI Concrete, Add	11.55
	For 5,000 PSI Concrete, Add	13.16
	For 6,000 PSI Concrete, Add	31.17
	For White Cement Concrete, Add	13.85
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.01
	For High Early Strength, Type 3 ASTM C150, Add	11.55
	For Lightweight Aggregate, ASTM C330, Add	34.64
	For Up To 20, Add	11.52
	For >20 To 50, Add	4.32
	For >100 To 200, Deduct	-2.89
	For >200 To 400, Deduct	-5.77
	For >400, Deduct	-8.66
03 31 13 00-0020	Place Concrete Spread Footings (03 31 13 00-0011)	
03 31 13 00-0021	CY Crane And Bucket, Place 3,000 PSI Concrete Spread Footings.....	223.44
	For 2,000 PSI Concrete, Deduct	-5.75
	For 2,500 PSI Concrete, Deduct	-2.88
	For 3,500 PSI Concrete, Add	5.33
	For 3,750 PSI Concrete, Add	7.25
	For 4,000 PSI Concrete, Add	9.17
	For 4,500 PSI Concrete, Add	10.66
	For 5,000 PSI Concrete, Add	12.15
	For 6,000 PSI Concrete, Add	28.77
	For White Cement Concrete, Add	12.79
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85
	For High Early Strength, Type 3 ASTM C150, Add	10.66
	For Lightweight Aggregate, ASTM C330, Add	31.97
	For Up To 20, Add	46.75
	For >20 To 50, Add	17.53
	For >100 To 200, Deduct	-4.47
	For >200 To 400, Deduct	-8.94
	For >400, Deduct	-13.41



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0022 CY Direct Chute, Place 3,000 PSI Concrete Spread Footings	157.62	
For 2,000 PSI Concrete, Deduct	-5.75	
For 2,500 PSI Concrete, Deduct	-2.88	
For 3,500 PSI Concrete, Add	5.33	
For 3,750 PSI Concrete, Add	7.25	
For 4,000 PSI Concrete, Add	9.17	
For 4,500 PSI Concrete, Add	10.66	
For 5,000 PSI Concrete, Add	12.15	
For 6,000 PSI Concrete, Add	28.77	
For White Cement Concrete, Add	12.79	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85	
For High Early Strength, Type 3 ASTM C150, Add	10.66	
For Lightweight Aggregate, ASTM C330, Add	31.97	
For Up To 20, Add	20.42	
For >20 To 50, Add	7.66	
For >100 To 200, Deduct	-3.15	
For >200 To 400, Deduct	-6.30	
For >400, Deduct	-9.46	
03 31 13 00-0023 CY Concrete Pump, Place 3,000 PSI Concrete Spread Footings	164.07	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-6.23	
For 2,500 PSI Concrete, Deduct	-3.12	
For 3,500 PSI Concrete, Add	5.77	
For 3,750 PSI Concrete, Add	7.85	
For 4,000 PSI Concrete, Add	9.93	
For 4,500 PSI Concrete, Add	11.55	
For 5,000 PSI Concrete, Add	13.16	
For 6,000 PSI Concrete, Add	31.17	
For White Cement Concrete, Add	13.85	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.01	
For High Early Strength, Type 3 ASTM C150, Add	11.55	
For Lightweight Aggregate, ASTM C330, Add	34.64	
For Up To 20, Add	19.45	
For >20 To 50, Add	7.29	
For >100 To 200, Deduct	-3.28	
For >200 To 400, Deduct	-6.56	
For >400, Deduct	-9.84	
03 31 13 00-0024 Place Concrete Mat Foundation (03 31 13 00-0011)		
03 31 13 00-0025 CY Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation.....	127.35	
For 2,000 PSI Concrete, Deduct	-5.75	
For 2,500 PSI Concrete, Deduct	-2.88	
For 3,500 PSI Concrete, Add	5.33	
For 3,750 PSI Concrete, Add	7.25	
For 4,000 PSI Concrete, Add	9.17	
For 4,500 PSI Concrete, Add	10.66	
For 5,000 PSI Concrete, Add	12.15	
For 6,000 PSI Concrete, Add	28.77	
For White Cement Concrete, Add	12.79	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85	
For High Early Strength, Type 3 ASTM C150, Add	10.66	
For Lightweight Aggregate, ASTM C330, Add	31.97	
For Up To 20, Add	8.31	
For >20 To 50, Add	3.12	
For >100 To 200, Deduct	-2.55	
For >200 To 400, Deduct	-5.09	
For >400, Deduct	-7.64	
03 31 13 00-0026 CY Direct Chute, Place 3,000 PSI Concrete Mat Foundation.....	115.65	
For 2,000 PSI Concrete, Deduct	-5.75	
For 2,500 PSI Concrete, Deduct	-2.88	
For 3,500 PSI Concrete, Add	5.33	
For 3,750 PSI Concrete, Add	7.25	
For 4,000 PSI Concrete, Add	9.17	
For 4,500 PSI Concrete, Add	10.66	
For 5,000 PSI Concrete, Add	12.15	
For 6,000 PSI Concrete, Add	28.77	
For White Cement Concrete, Add	12.79	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85	
For High Early Strength, Type 3 ASTM C150, Add	10.66	
For Lightweight Aggregate, ASTM C330, Add	31.97	
For Up To 20, Add	3.63	
For >20 To 50, Add	1.36	
For >100 To 200, Deduct	-2.31	
For >200 To 400, Deduct	-4.63	
For >400, Deduct	-6.94	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0027	CY		Concrete Pump, Place 3,000 PSI Concrete Mat Foundation.....	123.02	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-6.23	
			For 2,500 PSI Concrete, Deduct	-3.12	
			For 3,500 PSI Concrete, Add	5.77	
			For 3,750 PSI Concrete, Add	7.85	
			For 4,000 PSI Concrete, Add	9.93	
			For 4,500 PSI Concrete, Add	11.55	
			For 5,000 PSI Concrete, Add	13.16	
			For 6,000 PSI Concrete, Add	31.17	
			For White Cement Concrete, Add	13.85	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.01	
			For High Early Strength, Type 3 ASTM C150, Add	11.55	
			For Lightweight Aggregate, ASTM C330, Add	34.64	
			For Up To 20, Add	3.03	
			For >20 To 50, Add	1.14	
			For >100 To 200, Deduct	-2.46	
			For >200 To 400, Deduct	-4.92	
			For >400, Deduct	-7.38	
03 31 13 00-0028			Place Concrete Grade Beams (03 31 13 00-0011)		
03 31 13 00-0029	CY		Crane And Bucket, Place 3,000 PSI Concrete Grade Beams.....	161.97	
			For 2,000 PSI Concrete, Deduct	-5.75	
			For 2,500 PSI Concrete, Deduct	-2.88	
			For 3,500 PSI Concrete, Add	5.33	
			For 3,750 PSI Concrete, Add	7.25	
			For 4,000 PSI Concrete, Add	9.17	
			For 4,500 PSI Concrete, Add	10.66	
			For 5,000 PSI Concrete, Add	12.15	
			For 6,000 PSI Concrete, Add	28.77	
			For White Cement Concrete, Add	12.79	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85	
			For High Early Strength, Type 3 ASTM C150, Add	10.66	
			For Lightweight Aggregate, ASTM C330, Add	31.97	
			For Up To 20, Add	22.16	
			For >20 To 50, Add	8.31	
			For >100 To 200, Deduct	-3.24	
			For >200 To 400, Deduct	-6.48	
			For >400, Deduct	-9.72	
03 31 13 00-0030	CY		Direct Chute, Place 3,000 PSI Concrete Grade Beams.....	130.77	
			For 2,000 PSI Concrete, Deduct	-5.75	
			For 2,500 PSI Concrete, Deduct	-2.88	
			For 3,500 PSI Concrete, Add	5.33	
			For 3,750 PSI Concrete, Add	7.25	
			For 4,000 PSI Concrete, Add	9.17	
			For 4,500 PSI Concrete, Add	10.66	
			For 5,000 PSI Concrete, Add	12.15	
			For 6,000 PSI Concrete, Add	28.77	
			For White Cement Concrete, Add	12.79	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85	
			For High Early Strength, Type 3 ASTM C150, Add	10.66	
			For Lightweight Aggregate, ASTM C330, Add	31.97	
			For Up To 20, Add	9.68	
			For >20 To 50, Add	3.63	
			For >100 To 200, Deduct	-2.62	
			For >200 To 400, Deduct	-5.23	
			For >400, Deduct	-7.85	
03 31 13 00-0031	CY		Concrete Pump, Place 3,000 PSI Concrete Grade Beams.....	138.50	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-6.23	
			For 2,500 PSI Concrete, Deduct	-3.12	
			For 3,500 PSI Concrete, Add	5.77	
			For 3,750 PSI Concrete, Add	7.85	
			For 4,000 PSI Concrete, Add	9.93	
			For 4,500 PSI Concrete, Add	11.55	
			For 5,000 PSI Concrete, Add	13.16	
			For 6,000 PSI Concrete, Add	31.17	
			For White Cement Concrete, Add	13.85	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.01	
			For High Early Strength, Type 3 ASTM C150, Add	11.55	
			For Lightweight Aggregate, ASTM C330, Add	34.64	
			For Up To 20, Add	9.22	
			For >20 To 50, Add	3.46	
			For >100 To 200, Deduct	-2.77	
			For >200 To 400, Deduct	-5.54	
			For >400, Deduct	-8.31	
03 31 13 00-0032			Place Concrete Slab On Grade (03 31 13 00-0011)		



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0033 CY Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade.....	163.28	
For 2,000 PSI Concrete, Deduct	-5.75	
For 2,500 PSI Concrete, Deduct	-2.88	
For 3,500 PSI Concrete, Add	5.33	
For 3,750 PSI Concrete, Add	7.25	
For 4,000 PSI Concrete, Add	9.17	
For 4,500 PSI Concrete, Add	10.66	
For 5,000 PSI Concrete, Add	12.15	
For 6,000 PSI Concrete, Add	28.77	
For White Cement Concrete, Add	12.79	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85	
For High Early Strength, Type 3 ASTM C150, Add	10.66	
For Lightweight Aggregate, ASTM C330, Add	31.97	
For Up To 20, Add	22.68	
For >20 To 50, Add	8.51	
For >100 To 200, Deduct	-3.27	
For >200 To 400, Deduct	-6.53	
For >400, Deduct	-9.80	
03 31 13 00-0034 CY >6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	149.60	
For 2,000 PSI Concrete, Deduct	-5.75	
For 2,500 PSI Concrete, Deduct	-2.88	
For 3,500 PSI Concrete, Add	5.33	
For 3,750 PSI Concrete, Add	7.25	
For 4,000 PSI Concrete, Add	9.17	
For 4,500 PSI Concrete, Add	10.66	
For 5,000 PSI Concrete, Add	12.15	
For 6,000 PSI Concrete, Add	28.77	
For White Cement Concrete, Add	12.79	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85	
For High Early Strength, Type 3 ASTM C150, Add	10.66	
For Lightweight Aggregate, ASTM C330, Add	31.97	
For Up To 20, Add	17.21	
For >20 To 50, Add	6.45	
For >100 To 200, Deduct	-2.99	
For >200 To 400, Deduct	-5.98	
For >400, Deduct	-8.98	
03 31 13 00-0035 CY Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade.....	131.34	
For 2,000 PSI Concrete, Deduct	-5.75	
For 2,500 PSI Concrete, Deduct	-2.88	
For 3,500 PSI Concrete, Add	5.33	
For 3,750 PSI Concrete, Add	7.25	
For 4,000 PSI Concrete, Add	9.17	
For 4,500 PSI Concrete, Add	10.66	
For 5,000 PSI Concrete, Add	12.15	
For 6,000 PSI Concrete, Add	28.77	
For White Cement Concrete, Add	12.79	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85	
For High Early Strength, Type 3 ASTM C150, Add	10.66	
For Lightweight Aggregate, ASTM C330, Add	31.97	
For Up To 20, Add	9.91	
For >20 To 50, Add	3.72	
For >100 To 200, Deduct	-2.63	
For >200 To 400, Deduct	-5.25	
For >400, Deduct	-7.88	
03 31 13 00-0036 CY >6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	125.36	
For 2,000 PSI Concrete, Deduct	-5.75	
For 2,500 PSI Concrete, Deduct	-2.88	
For 3,500 PSI Concrete, Add	5.33	
For 3,750 PSI Concrete, Add	7.25	
For 4,000 PSI Concrete, Add	9.17	
For 4,500 PSI Concrete, Add	10.66	
For 5,000 PSI Concrete, Add	12.15	
For 6,000 PSI Concrete, Add	28.77	
For White Cement Concrete, Add	12.79	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85	
For High Early Strength, Type 3 ASTM C150, Add	10.66	
For Lightweight Aggregate, ASTM C330, Add	31.97	
For Up To 20, Add	7.52	
For >20 To 50, Add	2.82	
For >100 To 200, Deduct	-2.51	
For >200 To 400, Deduct	-5.01	
For >400, Deduct	-7.52	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0037	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	136.09
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-6.23
		For 2,500 PSI Concrete, Deduct	-3.12
		For 3,500 PSI Concrete, Add	5.77
		For 3,750 PSI Concrete, Add	7.85
		For 4,000 PSI Concrete, Add	9.93
		For 4,500 PSI Concrete, Add	11.55
		For 5,000 PSI Concrete, Add	13.16
		For 6,000 PSI Concrete, Add	31.17
		For White Cement Concrete, Add	13.85
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.01
		For High Early Strength, Type 3 ASTM C150, Add	11.55
		For Lightweight Aggregate, ASTM C330, Add	34.64
		For Up To 20, Add	8.26
		For >20 To 50, Add	3.10
		For >100 To 200, Deduct	-2.72
		For >200 To 400, Deduct	-5.44
		For >400, Deduct	-8.17
03 31 13 00-0038	CY	>6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	131.11
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-6.23
		For 2,500 PSI Concrete, Deduct	-3.12
		For 3,500 PSI Concrete, Add	5.77
		For 3,750 PSI Concrete, Add	7.85
		For 4,000 PSI Concrete, Add	9.93
		For 4,500 PSI Concrete, Add	11.55
		For 5,000 PSI Concrete, Add	13.16
		For 6,000 PSI Concrete, Add	31.17
		For White Cement Concrete, Add	13.85
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.01
		For High Early Strength, Type 3 ASTM C150, Add	11.55
		For Lightweight Aggregate, ASTM C330, Add	34.64
		For Up To 20, Add	6.26
		For >20 To 50, Add	2.35
		For >100 To 200, Deduct	-2.62
		For >200 To 400, Deduct	-5.24
		For >400, Deduct	-7.87
03 31 13 00-0039		Place Concrete Duct Bank (03 31 13 00-0011)	
03 31 13 00-0040	CY	Direct Chute, Place 3,000 PSI Concrete Duct Bank	127.07
		For 2,000 PSI Concrete, Deduct	-5.75
		For 2,500 PSI Concrete, Deduct	-2.88
		For 3,500 PSI Concrete, Add	5.33
		For 3,750 PSI Concrete, Add	7.25
		For 4,000 PSI Concrete, Add	9.17
		For 4,500 PSI Concrete, Add	10.66
		For 5,000 PSI Concrete, Add	12.15
		For 6,000 PSI Concrete, Add	28.77
		For White Cement Concrete, Add	12.79
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85
		For High Early Strength, Type 3 ASTM C150, Add	10.66
		For Lightweight Aggregate, ASTM C330, Add	31.97
		For Up To 20, Add	8.20
		For >20 To 50, Add	3.08
		For >100 To 200, Deduct	-2.54
		For >200 To 400, Deduct	-5.08
		For >400, Deduct	-7.62
03 31 13 00-0041		Place Concrete Stairs (03 31 13 00-0011)	
03 31 13 00-0042	CY	Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs.....	361.72
		For 2,000 PSI Concrete, Deduct	-5.75
		For 2,500 PSI Concrete, Deduct	-2.88
		For 3,500 PSI Concrete, Add	5.33
		For 3,750 PSI Concrete, Add	7.25
		For 4,000 PSI Concrete, Add	9.17
		For 4,500 PSI Concrete, Add	10.66
		For 5,000 PSI Concrete, Add	12.15
		For 6,000 PSI Concrete, Add	28.77
		For White Cement Concrete, Add	12.79
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85
		For High Early Strength, Type 3 ASTM C150, Add	10.66
		For Lightweight Aggregate, ASTM C330, Add	31.97
		For Up To 20, Add	102.06
		For >20 To 50, Add	38.27
		For >100 To 200, Deduct	-7.23
		For >200 To 400, Deduct	-14.47
		For >400, Deduct	-21.70



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0043 CY Direct Chute, Place 3,000 PSI On Grade Concrete Stairs.....	218.03	
For 2,000 PSI Concrete, Deduct	-5.75	
For 2,500 PSI Concrete, Deduct	-2.88	
For 3,500 PSI Concrete, Add	5.33	
For 3,750 PSI Concrete, Add	7.25	
For 4,000 PSI Concrete, Add	9.17	
For 4,500 PSI Concrete, Add	10.66	
For 5,000 PSI Concrete, Add	12.15	
For 6,000 PSI Concrete, Add	28.77	
For White Cement Concrete, Add	12.79	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85	
For High Early Strength, Type 3 ASTM C150, Add	10.66	
For Lightweight Aggregate, ASTM C330, Add	31.97	
For Up To 20, Add	44.58	
For >20 To 50, Add	16.72	
For >100 To 200, Deduct	-4.36	
For >200 To 400, Deduct	-8.72	
For >400, Deduct	-13.08	
03 31 13 00-0044 CY Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs.....	208.35	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-6.23	
For 2,500 PSI Concrete, Deduct	-3.12	
For 3,500 PSI Concrete, Add	5.77	
For 3,750 PSI Concrete, Add	7.85	
For 4,000 PSI Concrete, Add	9.93	
For 4,500 PSI Concrete, Add	11.55	
For 5,000 PSI Concrete, Add	13.16	
For 6,000 PSI Concrete, Add	31.17	
For White Cement Concrete, Add	13.85	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.01	
For High Early Strength, Type 3 ASTM C150, Add	11.55	
For Lightweight Aggregate, ASTM C330, Add	34.64	
For Up To 20, Add	37.16	
For >20 To 50, Add	13.94	
For >100 To 200, Deduct	-4.17	
For >200 To 400, Deduct	-8.33	
For >400, Deduct	-12.50	
03 31 13 00-0045 Place Concrete Thrust Blocks And Backfill (03 31 13 00-001)		
03 31 13 00-0046 CY Direct Chute, Place 3,000 PSI Concrete Thrust Blocks.....	161.04	
For 2,000 PSI Concrete, Deduct	-5.76	
For 2,500 PSI Concrete, Deduct	-2.88	
For 3,500 PSI Concrete, Add	5.33	
For 3,750 PSI Concrete, Add	7.25	
For 4,000 PSI Concrete, Add	9.17	
For 4,500 PSI Concrete, Add	10.66	
For 5,000 PSI Concrete, Add	12.15	
For 6,000 PSI Concrete, Add	28.78	
For White Cement Concrete, Add	12.79	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.86	
For High Early Strength, Type 3 ASTM C150, Add	10.66	
For Lightweight Aggregate, ASTM C330, Add	31.97	
For Up To 20, Add	21.78	
For >20 To 50, Add	8.17	
For >100 To 200, Deduct	-3.22	
For >200 To 400, Deduct	-6.44	
For >400, Deduct	-9.66	
03 31 13 00-0047 Place Concrete Slurry (03 31 13 00-001)		
Note: 2 bag cement per CY.		
03 31 13 00-0048 CY Direct Chute, Place 1,200 PSI Concrete Slurry	147.71	
03 31 13 00-0049 CY Concrete Pump, Place 1,200 PSI Concrete Slurry	138.61	
Note: Excludes pumping equipment.		
03 31 13 00-0050 Hand Mix And Place Concrete (03 31 13 00-001)		
03 31 13 00-0051 CF Hand Mix And Place Concrete.....	21.71	
Note: For use where conventional equipment access is limited or when directed by the owner.		
For 2,000 PSI Concrete, Deduct	-0.25	
For 2,500 PSI Concrete, Deduct	-0.12	
For 3,500 PSI Concrete, Add	0.23	
For 3,750 PSI Concrete, Add	0.31	
For 4,000 PSI Concrete, Add	0.39	
For 4,500 PSI Concrete, Add	0.46	
For 5,000 PSI Concrete, Add	0.52	
For 6,000 PSI Concrete, Add	1.23	
For White Cement Concrete, Add	0.55	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	0.59	
For High Early Strength, Type 3 ASTM C150, Add	0.46	
For Lightweight Aggregate, ASTM C330, Add	1.37	
03 31 13 00-0052 Place Concrete Superstructure By Method Indicated (03 31 13 00-0010)		
See CSI section 03 31 13 00-0088 for concrete pump truck.		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0053	Place Elevated Concrete Beams <small>(03 31 13 00-0052)</small>	
03 31 13 00-0054	CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams.....	245.09
	<i>For 2,000 PSI Concrete, Deduct</i>	-5.75
	<i>For 2,500 PSI Concrete, Deduct</i>	-2.88
	<i>For 3,500 PSI Concrete, Add</i>	5.33
	<i>For 3,750 PSI Concrete, Add</i>	7.25
	<i>For 4,000 PSI Concrete, Add</i>	9.17
	<i>For 4,500 PSI Concrete, Add</i>	10.66
	<i>For 5,000 PSI Concrete, Add</i>	12.15
	<i>For 6,000 PSI Concrete, Add</i>	28.77
	<i>For White Cement Concrete, Add</i>	12.79
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	13.85
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	10.66
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	31.97
	<i>For Up To 20, Add</i>	55.41
	<i>For >20 To 50, Add</i>	20.78
	<i>For >100 To 200, Deduct</i>	-4.90
	<i>For >200 To 400, Deduct</i>	-9.80
	<i>For >400, Deduct</i>	-14.71
03 31 13 00-0055	CY Concrete Pump, Place 3,000 PSI Elevated Concrete Beams.....	173.07
	Note: Excludes pumping equipment.	
	<i>For 2,000 PSI Concrete, Deduct</i>	-6.23
	<i>For 2,500 PSI Concrete, Deduct</i>	-3.12
	<i>For 3,500 PSI Concrete, Add</i>	5.77
	<i>For 3,750 PSI Concrete, Add</i>	7.85
	<i>For 4,000 PSI Concrete, Add</i>	9.93
	<i>For 4,500 PSI Concrete, Add</i>	11.55
	<i>For 5,000 PSI Concrete, Add</i>	13.16
	<i>For 6,000 PSI Concrete, Add</i>	31.17
	<i>For White Cement Concrete, Add</i>	13.85
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.01
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	11.55
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	34.64
	<i>For Up To 20, Add</i>	23.05
	<i>For >20 To 50, Add</i>	8.64
	<i>For >100 To 200, Deduct</i>	-3.46
	<i>For >200 To 400, Deduct</i>	-6.92
	<i>For >400, Deduct</i>	-10.38
03 31 13 00-0056	Place Elevated Concrete Slab <small>(03 31 13 00-0052)</small>	
03 31 13 00-0057	CY Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab.....	171.78
	<i>For 2,000 PSI Concrete, Deduct</i>	-5.75
	<i>For 2,500 PSI Concrete, Deduct</i>	-2.88
	<i>For 3,500 PSI Concrete, Add</i>	5.33
	<i>For 3,750 PSI Concrete, Add</i>	7.25
	<i>For 4,000 PSI Concrete, Add</i>	9.17
	<i>For 4,500 PSI Concrete, Add</i>	10.66
	<i>For 5,000 PSI Concrete, Add</i>	12.15
	<i>For 6,000 PSI Concrete, Add</i>	28.77
	<i>For White Cement Concrete, Add</i>	12.79
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	13.85
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	10.66
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	31.97
	<i>For Up To 20, Add</i>	26.08
	<i>For >20 To 50, Add</i>	9.78
	<i>For >100 To 200, Deduct</i>	-3.44
	<i>For >200 To 400, Deduct</i>	-6.87
	<i>For >400, Deduct</i>	-10.31
03 31 13 00-0058	CY >6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab.....	156.05
	<i>For 2,000 PSI Concrete, Deduct</i>	-5.75
	<i>For 2,500 PSI Concrete, Deduct</i>	-2.88
	<i>For 3,500 PSI Concrete, Add</i>	5.33
	<i>For 3,750 PSI Concrete, Add</i>	7.25
	<i>For 4,000 PSI Concrete, Add</i>	9.17
	<i>For 4,500 PSI Concrete, Add</i>	10.66
	<i>For 5,000 PSI Concrete, Add</i>	12.15
	<i>For 6,000 PSI Concrete, Add</i>	28.77
	<i>For White Cement Concrete, Add</i>	12.79
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	13.85
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	10.66
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	31.97
	<i>For Up To 20, Add</i>	19.79
	<i>For >20 To 50, Add</i>	7.42
	<i>For >100 To 200, Deduct</i>	-3.12
	<i>For >200 To 400, Deduct</i>	-6.24
	<i>For >400, Deduct</i>	-9.36



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0059 CY Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab.....	142.58	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-6.23	
For 2,500 PSI Concrete, Deduct	-3.12	
For 3,500 PSI Concrete, Add	5.77	
For 3,750 PSI Concrete, Add	7.85	
For 4,000 PSI Concrete, Add	9.93	
For 4,500 PSI Concrete, Add	11.55	
For 5,000 PSI Concrete, Add	13.16	
For 6,000 PSI Concrete, Add	31.17	
For White Cement Concrete, Add	13.85	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.01	
For High Early Strength, Type 3 ASTM C150, Add	11.55	
For Lightweight Aggregate, ASTM C330, Add	34.64	
For Up To 20, Add	10.85	
For >20 To 50, Add	4.07	
For >100 To 200, Deduct	-2.85	
For >200 To 400, Deduct	-5.70	
For >400, Deduct	-8.55	
03 31 13 00-0060 CY >6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	136.03	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-6.23	
For 2,500 PSI Concrete, Deduct	-3.12	
For 3,500 PSI Concrete, Add	5.77	
For 3,750 PSI Concrete, Add	7.85	
For 4,000 PSI Concrete, Add	9.93	
For 4,500 PSI Concrete, Add	11.55	
For 5,000 PSI Concrete, Add	13.16	
For 6,000 PSI Concrete, Add	31.17	
For White Cement Concrete, Add	13.85	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.01	
For High Early Strength, Type 3 ASTM C150, Add	11.55	
For Lightweight Aggregate, ASTM C330, Add	34.64	
For Up To 20, Add	8.23	
For >20 To 50, Add	3.09	
For >100 To 200, Deduct	-2.72	
For >200 To 400, Deduct	-5.44	
For >400, Deduct	-8.16	
03 31 13 00-0061 Place Concrete Columns <small>(03 31 13 00-0052)</small>		
03 31 13 00-0062 CY 12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	256.17	
For 2,000 PSI Concrete, Deduct	-5.75	
For 2,500 PSI Concrete, Deduct	-2.88	
For 3,500 PSI Concrete, Add	5.33	
For 3,750 PSI Concrete, Add	7.25	
For 4,000 PSI Concrete, Add	9.17	
For 4,500 PSI Concrete, Add	10.66	
For 5,000 PSI Concrete, Add	12.15	
For 6,000 PSI Concrete, Add	28.77	
For White Cement Concrete, Add	12.79	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85	
For High Early Strength, Type 3 ASTM C150, Add	10.66	
For Lightweight Aggregate, ASTM C330, Add	31.97	
For Up To 20, Add	59.84	
For >20 To 50, Add	22.44	
For >100 To 200, Deduct	-5.12	
For >200 To 400, Deduct	-10.25	
For >400, Deduct	-15.37	
03 31 13 00-0063 CY 18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	215.30	
For 2,000 PSI Concrete, Deduct	-5.75	
For 2,500 PSI Concrete, Deduct	-2.88	
For 3,500 PSI Concrete, Add	5.33	
For 3,750 PSI Concrete, Add	7.25	
For 4,000 PSI Concrete, Add	9.17	
For 4,500 PSI Concrete, Add	10.66	
For 5,000 PSI Concrete, Add	12.15	
For 6,000 PSI Concrete, Add	28.77	
For White Cement Concrete, Add	12.79	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85	
For High Early Strength, Type 3 ASTM C150, Add	10.66	
For Lightweight Aggregate, ASTM C330, Add	31.97	
For Up To 20, Add	43.49	
For >20 To 50, Add	16.31	
For >100 To 200, Deduct	-4.31	
For >200 To 400, Deduct	-8.61	
For >400, Deduct	-12.92	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0064	CY 24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	186.08	
	For 2,000 PSI Concrete, Deduct	-5.75	
	For 2,500 PSI Concrete, Deduct	-2.88	
	For 3,500 PSI Concrete, Add	5.33	
	For 3,750 PSI Concrete, Add	7.25	
	For 4,000 PSI Concrete, Add	9.17	
	For 4,500 PSI Concrete, Add	10.66	
	For 5,000 PSI Concrete, Add	12.15	
	For 6,000 PSI Concrete, Add	28.77	
	For White Cement Concrete, Add	12.79	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85	
	For High Early Strength, Type 3 ASTM C150, Add	10.66	
	For Lightweight Aggregate, ASTM C330, Add	31.97	
	For Up To 20, Add	31.80	
	For >20 To 50, Add	11.93	
	For >100 To 200, Deduct	-3.72	
	For >200 To 400, Deduct	-7.44	
	For >400, Deduct	-11.16	
03 31 13 00-0065	CY 36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	173.05	
	For 2,000 PSI Concrete, Deduct	-5.75	
	For 2,500 PSI Concrete, Deduct	-2.88	
	For 3,500 PSI Concrete, Add	5.33	
	For 3,750 PSI Concrete, Add	7.25	
	For 4,000 PSI Concrete, Add	9.17	
	For 4,500 PSI Concrete, Add	10.66	
	For 5,000 PSI Concrete, Add	12.15	
	For 6,000 PSI Concrete, Add	28.77	
	For White Cement Concrete, Add	12.79	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85	
	For High Early Strength, Type 3 ASTM C150, Add	10.66	
	For Lightweight Aggregate, ASTM C330, Add	31.97	
	For Up To 20, Add	26.59	
	For >20 To 50, Add	9.97	
	For >100 To 200, Deduct	-3.46	
	For >200 To 400, Deduct	-6.92	
	For >400, Deduct	-10.38	
03 31 13 00-0066	CY 12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	177.69	
	Note: Excludes pumping equipment.		
	For 2,000 PSI Concrete, Deduct	-6.23	
	For 2,500 PSI Concrete, Deduct	-3.12	
	For 3,500 PSI Concrete, Add	5.77	
	For 3,750 PSI Concrete, Add	7.85	
	For 4,000 PSI Concrete, Add	9.93	
	For 4,500 PSI Concrete, Add	11.55	
	For 5,000 PSI Concrete, Add	13.16	
	For 6,000 PSI Concrete, Add	31.17	
	For White Cement Concrete, Add	13.85	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.01	
	For High Early Strength, Type 3 ASTM C150, Add	11.55	
	For Lightweight Aggregate, ASTM C330, Add	34.64	
	For Up To 20, Add	24.90	
	For >20 To 50, Add	9.34	
	For >100 To 200, Deduct	-3.55	
	For >200 To 400, Deduct	-7.11	
	For >400, Deduct	-10.66	
03 31 13 00-0067	CY 18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	160.68	
	Note: Excludes pumping equipment.		
	For 2,000 PSI Concrete, Deduct	-6.23	
	For 2,500 PSI Concrete, Deduct	-3.12	
	For 3,500 PSI Concrete, Add	5.77	
	For 3,750 PSI Concrete, Add	7.85	
	For 4,000 PSI Concrete, Add	9.93	
	For 4,500 PSI Concrete, Add	11.55	
	For 5,000 PSI Concrete, Add	13.16	
	For 6,000 PSI Concrete, Add	31.17	
	For White Cement Concrete, Add	13.85	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.01	
	For High Early Strength, Type 3 ASTM C150, Add	11.55	
	For Lightweight Aggregate, ASTM C330, Add	34.64	
	For Up To 20, Add	18.09	
	For >20 To 50, Add	6.78	
	For >100 To 200, Deduct	-3.21	
	For >200 To 400, Deduct	-6.43	
	For >400, Deduct	-9.64	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0068 CY 24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	148.52	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-6.23	
For 2,500 PSI Concrete, Deduct	-3.12	
For 3,500 PSI Concrete, Add	5.77	
For 3,750 PSI Concrete, Add	7.85	
For 4,000 PSI Concrete, Add	9.93	
For 4,500 PSI Concrete, Add	11.55	
For 5,000 PSI Concrete, Add	13.16	
For 6,000 PSI Concrete, Add	31.17	
For White Cement Concrete, Add	13.85	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.01	
For High Early Strength, Type 3 ASTM C150, Add	11.55	
For Lightweight Aggregate, ASTM C330, Add	34.64	
For Up To 20, Add	13.23	
For >20 To 50, Add	4.96	
For >100 To 200, Deduct	-2.97	
For >200 To 400, Deduct	-5.94	
For >400, Deduct	-8.91	
03 31 13 00-0069 CY 36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	143.10	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-6.23	
For 2,500 PSI Concrete, Deduct	-3.12	
For 3,500 PSI Concrete, Add	5.77	
For 3,750 PSI Concrete, Add	7.85	
For 4,000 PSI Concrete, Add	9.93	
For 4,500 PSI Concrete, Add	11.55	
For 5,000 PSI Concrete, Add	13.16	
For 6,000 PSI Concrete, Add	31.17	
For White Cement Concrete, Add	13.85	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.01	
For High Early Strength, Type 3 ASTM C150, Add	11.55	
For Lightweight Aggregate, ASTM C330, Add	34.64	
For Up To 20, Add	11.06	
For >20 To 50, Add	4.15	
For >100 To 200, Deduct	-2.86	
For >200 To 400, Deduct	-5.72	
For >400, Deduct	-8.59	
03 31 13 00-0070 Place Concrete Walls (03 31 13 00-0052)		
03 31 13 00-0071 CY 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	246.82	
For 2,000 PSI Concrete, Deduct	-5.75	
For 2,500 PSI Concrete, Deduct	-2.88	
For 3,500 PSI Concrete, Add	5.33	
For 3,750 PSI Concrete, Add	7.25	
For 4,000 PSI Concrete, Add	9.17	
For 4,500 PSI Concrete, Add	10.66	
For 5,000 PSI Concrete, Add	12.15	
For 6,000 PSI Concrete, Add	28.77	
For White Cement Concrete, Add	12.79	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85	
For High Early Strength, Type 3 ASTM C150, Add	10.66	
For Lightweight Aggregate, ASTM C330, Add	31.97	
For Up To 20, Add	56.10	
For >20 To 50, Add	21.04	
For >100 To 200, Deduct	-4.94	
For >200 To 400, Deduct	-9.87	
For >400, Deduct	-14.81	
03 31 13 00-0072 CY 12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	235.19	
For 2,000 PSI Concrete, Deduct	-5.75	
For 2,500 PSI Concrete, Deduct	-2.88	
For 3,500 PSI Concrete, Add	5.33	
For 3,750 PSI Concrete, Add	7.25	
For 4,000 PSI Concrete, Add	9.17	
For 4,500 PSI Concrete, Add	10.66	
For 5,000 PSI Concrete, Add	12.15	
For 6,000 PSI Concrete, Add	28.77	
For White Cement Concrete, Add	12.79	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85	
For High Early Strength, Type 3 ASTM C150, Add	10.66	
For Lightweight Aggregate, ASTM C330, Add	31.97	
For Up To 20, Add	51.45	
For >20 To 50, Add	19.29	
For >100 To 200, Deduct	-4.70	
For >200 To 400, Deduct	-9.41	
For >400, Deduct	-14.11	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0073	CY 15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	204.75	
	For 2,000 PSI Concrete, Deduct	-5.75	
	For 2,500 PSI Concrete, Deduct	-2.88	
	For 3,500 PSI Concrete, Add	5.33	
	For 3,750 PSI Concrete, Add	7.25	
	For 4,000 PSI Concrete, Add	9.17	
	For 4,500 PSI Concrete, Add	10.66	
	For 5,000 PSI Concrete, Add	12.15	
	For 6,000 PSI Concrete, Add	28.77	
	For White Cement Concrete, Add	12.79	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85	
	For High Early Strength, Type 3 ASTM C150, Add	10.66	
	For Lightweight Aggregate, ASTM C330, Add	31.97	
	For Up To 20, Add	39.27	
	For >20 To 50, Add	14.73	
	For >100 To 200, Deduct	-4.10	
	For >200 To 400, Deduct	-8.19	
	For >400, Deduct	-12.29	
03 31 13 00-0074	CY 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	167.83	
	For 2,000 PSI Concrete, Deduct	-5.75	
	For 2,500 PSI Concrete, Deduct	-2.88	
	For 3,500 PSI Concrete, Add	5.33	
	For 3,750 PSI Concrete, Add	7.25	
	For 4,000 PSI Concrete, Add	9.17	
	For 4,500 PSI Concrete, Add	10.66	
	For 5,000 PSI Concrete, Add	12.15	
	For 6,000 PSI Concrete, Add	28.77	
	For White Cement Concrete, Add	12.79	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85	
	For High Early Strength, Type 3 ASTM C150, Add	10.66	
	For Lightweight Aggregate, ASTM C330, Add	31.97	
	For Up To 20, Add	24.50	
	For >20 To 50, Add	9.19	
	For >100 To 200, Deduct	-3.36	
	For >200 To 400, Deduct	-6.71	
	For >400, Deduct	-10.07	
03 31 13 00-0075	CY 12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	155.58	
	For 2,000 PSI Concrete, Deduct	-5.75	
	For 2,500 PSI Concrete, Deduct	-2.88	
	For 3,500 PSI Concrete, Add	5.33	
	For 3,750 PSI Concrete, Add	7.25	
	For 4,000 PSI Concrete, Add	9.17	
	For 4,500 PSI Concrete, Add	10.66	
	For 5,000 PSI Concrete, Add	12.15	
	For 6,000 PSI Concrete, Add	28.77	
	For White Cement Concrete, Add	12.79	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85	
	For High Early Strength, Type 3 ASTM C150, Add	10.66	
	For Lightweight Aggregate, ASTM C330, Add	31.97	
	For Up To 20, Add	19.60	
	For >20 To 50, Add	7.35	
	For >100 To 200, Deduct	-3.11	
	For >200 To 400, Deduct	-6.22	
	For >400, Deduct	-9.33	
03 31 13 00-0076	CY 15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	149.45	
	For 2,000 PSI Concrete, Deduct	-5.75	
	For 2,500 PSI Concrete, Deduct	-2.88	
	For 3,500 PSI Concrete, Add	5.33	
	For 3,750 PSI Concrete, Add	7.25	
	For 4,000 PSI Concrete, Add	9.17	
	For 4,500 PSI Concrete, Add	10.66	
	For 5,000 PSI Concrete, Add	12.15	
	For 6,000 PSI Concrete, Add	28.77	
	For White Cement Concrete, Add	12.79	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85	
	For High Early Strength, Type 3 ASTM C150, Add	10.66	
	For Lightweight Aggregate, ASTM C330, Add	31.97	
	For Up To 20, Add	17.15	
	For >20 To 50, Add	6.43	
	For >100 To 200, Deduct	-2.99	
	For >200 To 400, Deduct	-5.98	
	For >400, Deduct	-8.97	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0077 CY 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls.....	173.79	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-6.23	
For 2,500 PSI Concrete, Deduct	-3.12	
For 3,500 PSI Concrete, Add	5.77	
For 3,750 PSI Concrete, Add	7.85	
For 4,000 PSI Concrete, Add	9.93	
For 4,500 PSI Concrete, Add	11.55	
For 5,000 PSI Concrete, Add	13.16	
For 6,000 PSI Concrete, Add	31.17	
For White Cement Concrete, Add	13.85	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.01	
For High Early Strength, Type 3 ASTM C150, Add	11.55	
For Lightweight Aggregate, ASTM C330, Add	34.64	
For Up To 20, Add	23.34	
For >20 To 50, Add	8.75	
For >100 To 200, Deduct	-3.48	
For >200 To 400, Deduct	-6.95	
For >400, Deduct	-10.43	
03 31 13 00-0078 CY 12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls.....	162.12	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-6.23	
For 2,500 PSI Concrete, Deduct	-3.12	
For 3,500 PSI Concrete, Add	5.77	
For 3,750 PSI Concrete, Add	7.85	
For 4,000 PSI Concrete, Add	9.93	
For 4,500 PSI Concrete, Add	11.55	
For 5,000 PSI Concrete, Add	13.16	
For 6,000 PSI Concrete, Add	31.17	
For White Cement Concrete, Add	13.85	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.01	
For High Early Strength, Type 3 ASTM C150, Add	11.55	
For Lightweight Aggregate, ASTM C330, Add	34.64	
For Up To 20, Add	18.67	
For >20 To 50, Add	7.00	
For >100 To 200, Deduct	-3.24	
For >200 To 400, Deduct	-6.48	
For >400, Deduct	-9.73	
03 31 13 00-0079 CY 15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls.....	156.28	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-6.23	
For 2,500 PSI Concrete, Deduct	-3.12	
For 3,500 PSI Concrete, Add	5.77	
For 3,750 PSI Concrete, Add	7.85	
For 4,000 PSI Concrete, Add	9.93	
For 4,500 PSI Concrete, Add	11.55	
For 5,000 PSI Concrete, Add	13.16	
For 6,000 PSI Concrete, Add	31.17	
For White Cement Concrete, Add	13.85	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.01	
For High Early Strength, Type 3 ASTM C150, Add	11.55	
For Lightweight Aggregate, ASTM C330, Add	34.64	
For Up To 20, Add	16.33	
For >20 To 50, Add	6.12	
For >100 To 200, Deduct	-3.13	
For >200 To 400, Deduct	-6.25	
For >400, Deduct	-9.38	
03 31 13 00-0080 Place Elevated Concrete Stairs (03 31 13 00-0052)		
03 31 13 00-0081 CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs.....	390.10	
For 2,000 PSI Concrete, Deduct	-5.75	
For 2,500 PSI Concrete, Deduct	-2.88	
For 3,500 PSI Concrete, Add	5.33	
For 3,750 PSI Concrete, Add	7.25	
For 4,000 PSI Concrete, Add	9.17	
For 4,500 PSI Concrete, Add	10.66	
For 5,000 PSI Concrete, Add	12.15	
For 6,000 PSI Concrete, Add	28.77	
For White Cement Concrete, Add	12.79	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85	
For High Early Strength, Type 3 ASTM C150, Add	10.66	
For Lightweight Aggregate, ASTM C330, Add	31.97	
For Up To 20, Add	113.41	
For >20 To 50, Add	42.53	
For >100 To 200, Deduct	-7.80	
For >200 To 400, Deduct	-15.60	
For >400, Deduct	-23.41	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0082	CY Direct Chute, Place 3,000 PSI Elevated Concrete Stairs.....	230.41	
	For 2,000 PSI Concrete, Deduct	-5.75	
	For 2,500 PSI Concrete, Deduct	-2.88	
	For 3,500 PSI Concrete, Add	5.33	
	For 3,750 PSI Concrete, Add	7.25	
	For 4,000 PSI Concrete, Add	9.17	
	For 4,500 PSI Concrete, Add	10.66	
	For 5,000 PSI Concrete, Add	12.15	
	For 6,000 PSI Concrete, Add	28.77	
	For White Cement Concrete, Add	12.79	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85	
	For High Early Strength, Type 3 ASTM C150, Add	10.66	
	For Lightweight Aggregate, ASTM C330, Add	31.97	
	For Up To 20, Add	49.54	
	For >20 To 50, Add	18.58	
	For >100 To 200, Deduct	-4.61	
	For >200 To 400, Deduct	-9.22	
	For >400, Deduct	-13.82	
03 31 13 00-0083	CY Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs.....	218.66	
	Note: Excludes pumping equipment.		
	For 2,000 PSI Concrete, Deduct	-6.23	
	For 2,500 PSI Concrete, Deduct	-3.12	
	For 3,500 PSI Concrete, Add	5.77	
	For 3,750 PSI Concrete, Add	7.85	
	For 4,000 PSI Concrete, Add	9.93	
	For 4,500 PSI Concrete, Add	11.55	
	For 5,000 PSI Concrete, Add	13.16	
	For 6,000 PSI Concrete, Add	31.17	
	For White Cement Concrete, Add	13.85	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.01	
	For High Early Strength, Type 3 ASTM C150, Add	11.55	
	For Lightweight Aggregate, ASTM C330, Add	34.64	
	For Up To 20, Add	41.28	
	For >20 To 50, Add	15.48	
	For >100 To 200, Deduct	-4.37	
	For >200 To 400, Deduct	-8.75	
	For >400, Deduct	-13.12	

03 31 13 00-0084 Place Concrete Coping (03 31 13 00-0052)

03 31 13 00-0085	CY Crane And Bucket, Place 3,000 PSI Concrete Coping	399.90	
	For 2,000 PSI Concrete, Deduct	-5.75	
	For 2,500 PSI Concrete, Deduct	-2.88	
	For 3,500 PSI Concrete, Add	5.33	
	For 3,750 PSI Concrete, Add	7.25	
	For 4,000 PSI Concrete, Add	9.17	
	For 4,500 PSI Concrete, Add	10.66	
	For 5,000 PSI Concrete, Add	12.15	
	For 6,000 PSI Concrete, Add	28.77	
	For White Cement Concrete, Add	12.79	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85	
	For High Early Strength, Type 3 ASTM C150, Add	10.66	
	For Lightweight Aggregate, ASTM C330, Add	31.97	
	For Up To 20, Add	117.33	
	For >20 To 50, Add	44.00	
	For >100 To 200, Deduct	-8.00	
	For >200 To 400, Deduct	-16.00	
	For >400, Deduct	-23.99	
03 31 13 00-0086	CY Direct Chute, Place 3,000 PSI Concrete Coping	229.58	
	For 2,000 PSI Concrete, Deduct	-5.75	
	For 2,500 PSI Concrete, Deduct	-2.88	
	For 3,500 PSI Concrete, Add	5.33	
	For 3,750 PSI Concrete, Add	7.25	
	For 4,000 PSI Concrete, Add	9.17	
	For 4,500 PSI Concrete, Add	10.66	
	For 5,000 PSI Concrete, Add	12.15	
	For 6,000 PSI Concrete, Add	28.77	
	For White Cement Concrete, Add	12.79	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.85	
	For High Early Strength, Type 3 ASTM C150, Add	10.66	
	For Lightweight Aggregate, ASTM C330, Add	31.97	
	For Up To 20, Add	49.20	
	For >20 To 50, Add	18.45	
	For >100 To 200, Deduct	-4.59	
	For >200 To 400, Deduct	-9.18	
	For >400, Deduct	-13.77	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0087 CY Concrete Pump, Place 3,000 PSI Concrete Coping .....301.78 Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-6.23	
For 2,500 PSI Concrete, Deduct	-3.12	
For 3,500 PSI Concrete, Add	5.77	
For 3,750 PSI Concrete, Add	7.85	
For 4,000 PSI Concrete, Add	9.93	
For 4,500 PSI Concrete, Add	11.55	
For 5,000 PSI Concrete, Add	13.16	
For 6,000 PSI Concrete, Add	31.17	
For White Cement Concrete, Add	13.85	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.01	
For High Early Strength, Type 3 ASTM C150, Add	11.55	
For Lightweight Aggregate, ASTM C330, Add	34.64	
For Up To 20, Add	74.53	
For >20 To 50, Add	27.95	
For >100 To 200, Deduct	-6.04	
For >200 To 400, Deduct	-12.07	
For >400, Deduct	-18.11	
03 31 13 00-0088 Concrete Pumping With Boom Truck (03 31 13 00-0010) Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach.		
03 31 13 00-0089 HR 55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating) 143.82		
03 31 13 00-0090 HR 70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating) 158.00		
03 31 13 00-0091 HR 90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating) 192.77		
03 31 13 00-0092 HR 105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating) 226.39		
03 31 13 00-0093 HR 120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating) 275.91		
03 31 13 00-0094 HR 135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating) 248.18		
03 31 13 00-0095 HR 148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating) 363.84		
03 31 13 00-0096 HR 170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating) 446.36		
03 31 13 00-0097 HR 35 CY/HR, 66 HP Trailer Mounted Concrete Pump 103.55 Note: Includes hoses		
03 31 13 00-0098 Concrete Carts (03 31 13 00-0010) Note: Used to place concrete were necessary.		
03 31 13 00-0099 CY 50' Haul, Non Motorized, Concrete Buggy 14.67		
03 31 13 00-0100 CY 150' Haul, Non Motorized, Concrete Buggy 19.64		
03 31 13 00-0101 CY 250' Haul, Non Motorized, Concrete Buggy 26.20		
03 31 13 00-0102 CY 50' Haul, Motorized, Concrete Buggy 7.84		
03 31 13 00-0103 CY 150' Haul, Motorized, Concrete Buggy 10.51		
03 31 13 00-0104 CY 250' Haul, Motorized, Concrete Buggy 14.01		
03 31 13 00-0105 Delivery Fee For Small Purchases (03 31 13) 03 31 13 00-0106 CY Delivery Fee For Concrete Purchases Per CY For Each CY Less Than 9 CY 16.62 Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.		
03 31 13 00-0107 Equipment Pads (03 31 13) 03 31 13 00-0108 Small Concrete Equipment Housekeeping Pad Assemblies (03 31 13 00-0107) Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project.		
03 31 13 00-0109 SF 4" Equipment Pad With Welded Wire Reinforcement 11.79		
03 31 13 00-0110 SF 4" Equipment Pad With Rebar 14.77		
03 31 13 00-0111 SF 6" Equipment Pad With Rebar 18.57		
03 31 13 00-0112 SF 8" Equipment Pad With Rebar 23.31		
03 35 Concrete Finishing (03 30) 03 35 16 Heavy-Duty Concrete Floor Finishing (03 35) 03 35 16 00-0001 Floor Finishes (03 35 16) Note: Task is for final finish type and includes all required prior finishes.		
03 35 16 00-0002 SF Screed, Concrete Floor Finish 0.63 For Up To 100, Add 1.26 For >100 To 250, Add 0.32 For >250 To 500, Add 0.16 For >5,000 To 10,000, Deduct -0.03 For >10,000, Deduct -0.06		
03 35 16 00-0003 SF Darby, Concrete Floor Finish 0.76 For Up To 100, Add 1.52 For >100 To 250, Add 0.38 For >250 To 500, Add 0.19 For >5,000 To 10,000, Deduct -0.04 For >10,000, Deduct -0.08		

03	Concrete
03 30	Cast-In-Place Concrete
03 35	Concrete Finishing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 16 00-0004	SF		Broom, Concrete Floor Finish.....	0.84	
			<i>For Up To 100, Add</i>	1.68	
			<i>For >100 To 250, Add</i>	0.42	
			<i>For >250 To 500, Add</i>	0.21	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000, Deduct</i>	-0.08	
03 35 16 00-0005	SF		Final Float, Concrete Floor Finish.....	0.98	
			<i>For Up To 100, Add</i>	1.96	
			<i>For >100 To 250, Add</i>	0.49	
			<i>For >250 To 500, Add</i>	0.25	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000, Deduct</i>	-0.10	
03 35 16 00-0006	SF		Steel Trowel, Concrete Floor Finish.....	1.11	
			<i>For Up To 100, Add</i>	2.22	
			<i>For >100 To 250, Add</i>	0.56	
			<i>For >250 To 500, Add</i>	0.28	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000, Deduct</i>	-0.11	
03 35 16 00-0007	SF		Concrete Floor Finishes, Machine.....	0.98	
			<i>For Up To 100, Add</i>	1.96	
			<i>For >100 To 250, Add</i>	0.49	
			<i>For >250 To 500, Add</i>	0.25	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000, Deduct</i>	-0.10	
03 35 23			Exposed Aggregate Concrete Finishing (03 35)		
03 35 23 00-0001			Exposed Aggregate, Concrete Finish (03 35 23)		
03 35 23 00-0002	SF		Exposed Aggregate, Concrete Floor Finish.....	1.83	
03 35 26			Grooved Concrete Surface Finishing (03 35)		
03 35 26 00-0001			Ramp, Grooved Concrete Surface Finishing (03 35 26)		
03 35 26 00-0002	SF		Ramp, Grooved Concrete Surface Finishing.....	2.81	
03 35 29			Tooled Concrete Finishing (03 35)		
03 35 29 00-0001			Solid Board Concrete Finish (03 35 29)		
03 35 29 00-0002	SF		Solid Board Concrete, Non Uniform Finish, 1 Use, Add To Formwork.....	8.77	
03 35 33			Stamped Concrete Finishing (03 35)		
03 35 33 00-0001			Stamped Concrete Finishes (03 35 33)		
03 35 33 00-0002	SF		Up To 2,500 SF Stamped Concrete Finish.....	2.53	
03 35 33 00-0003	SF		>2,500 To 10,000 SF Stamped Concrete Finish.....	2.29	
03 35 33 00-0004	SF		>10,000 SF Stamped Concrete Finish.....	2.19	
03 35 39			Rusticated Concrete Finish (03 35)		
03 35 39 00-0001			Rusticated Concrete Finish (03 35 39)		
03 35 39 00-0002	SF		Rusticated Concrete Finish, Beveled Edge, 1 Use, Add To Formwork.....	4.03	
03 35 39 00-0003	SF		Rusticated Concrete Finish, Square Edge, 1 Use, Add To Formwork.....	5.28	
03 35 43			Polished Concrete Finishing (03 35)		
03 35 43 00-0001			Concrete Floor Polishing System (03 35 43)		
			Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.		
03 35 43 00-0002	SF		Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels.....	0.90	
			<i>For Up To 500, Add</i>	1.75	
			<i>For >500 To 1,000, Add</i>	1.62	
			<i>For >1,000 To 2,500, Add</i>	1.07	
			<i>For >2,500 To 4,000, Add</i>	0.56	
			<i>For >8,000 To 15,000, Deduct</i>	-0.22	
			<i>For >15,000 To 25,000, Deduct</i>	-0.27	
			<i>For >25,000, Deduct</i>	-0.39	
03 35 43 00-0003	SF		Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels.....	0.90	
			<i>For Up To 500, Add</i>	1.75	
			<i>For >500 To 1,000, Add</i>	1.62	
			<i>For >1,000 To 2,500, Add</i>	1.07	
			<i>For >2,500 To 4,000, Add</i>	0.56	
			<i>For >8,000 To 15,000, Deduct</i>	-0.22	
			<i>For >15,000 To 25,000, Deduct</i>	-0.27	
			<i>For >25,000, Deduct</i>	-0.39	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Concrete Finishing	03 35	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 43 00-0004 SF Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels	0.54	
For Up To 500, Add	1.05	
For >500 To 1,000, Add	0.97	
For >1,000 To 2,500, Add	0.64	
For >2,500 To 4,000, Add	0.33	
For >8,000 To 15,000, Deduct	-0.13	
For >15,000 To 25,000, Deduct	-0.16	
For >25,000, Deduct	-0.23	
03 35 43 00-0005 SF Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels.....	0.78	
For Up To 500, Add	1.51	
For >500 To 1,000, Add	1.40	
For >1,000 To 2,500, Add	0.93	
For >2,500 To 4,000, Add	0.48	
For >8,000 To 15,000, Deduct	-0.19	
For >15,000 To 25,000, Deduct	-0.24	
For >25,000, Deduct	-0.34	
03 35 43 00-0006 SF Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels	0.54	
For Up To 500, Add	1.05	
For >500 To 1,000, Add	0.97	
For >1,000 To 2,500, Add	0.64	
For >2,500 To 4,000, Add	0.33	
For >8,000 To 15,000, Deduct	-0.13	
For >15,000 To 25,000, Deduct	-0.16	
For >25,000, Deduct	-0.23	
03 35 43 00-0007 SF Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels	0.54	
For Up To 500, Add	1.05	
For >500 To 1,000, Add	0.97	
For >1,000 To 2,500, Add	0.64	
For >2,500 To 4,000, Add	0.33	
For >8,000 To 15,000, Deduct	-0.13	
For >15,000 To 25,000, Deduct	-0.16	
For >25,000, Deduct	-0.23	
03 35 43 00-0008 SF Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels	0.54	
For Up To 500, Add	1.05	
For >500 To 1,000, Add	0.97	
For >1,000 To 2,500, Add	0.64	
For >2,500 To 4,000, Add	0.33	
For >8,000 To 15,000, Deduct	-0.13	
For >15,000 To 25,000, Deduct	-0.16	
For >25,000, Deduct	-0.23	
03 35 43 00-0009 SF Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels	0.54	
For Up To 500, Add	1.05	
For >500 To 1,000, Add	0.97	
For >1,000 To 2,500, Add	0.64	
For >2,500 To 4,000, Add	0.33	
For >8,000 To 15,000, Deduct	-0.13	
For >15,000 To 25,000, Deduct	-0.16	
For >25,000, Deduct	-0.23	
03 35 43 00-0010 SF High Speed Burnish Concrete Floor With Diamond Pads.....	0.14	
For Up To 500, Add	0.27	
For >500 To 1,000, Add	0.25	
For >1,000 To 2,500, Add	0.17	
For >2,500 To 4,000, Add	0.09	
For >8,000 To 15,000, Deduct	-0.03	
For >15,000 To 25,000, Deduct	-0.04	
For >25,000, Deduct	-0.06	
03 35 43 00-0011 SF Apply 1 Coat Of Concrete Densifier	0.18	
For Up To 500, Add	0.35	
For >500 To 1,000, Add	0.32	
For >1,000 To 2,500, Add	0.21	
For >2,500 To 4,000, Add	0.11	
For >8,000 To 15,000, Deduct	-0.04	
For >15,000 To 25,000, Deduct	-0.05	
For >25,000, Deduct	-0.08	
03 35 43 00-0012 SF Apply 2 Coats Of Concrete Densifier With Stain Protector	0.18	
For Up To 500, Add	0.35	
For >500 To 1,000, Add	0.32	
For >1,000 To 2,500, Add	0.21	
For >2,500 To 4,000, Add	0.11	
For >8,000 To 15,000, Deduct	-0.04	
For >15,000 To 25,000, Deduct	-0.05	
For >25,000, Deduct	-0.08	
03 35 43 00-0013 SF Concrete Floor Polishing Final Clean Up.....	0.09	
For Up To 500, Add	0.17	
For >500 To 1,000, Add	0.16	
For >1,000 To 2,500, Add	0.11	
For >2,500 To 4,000, Add	0.06	
For >8,000 To 15,000, Deduct	-0.02	
For >15,000 To 25,000, Deduct	-0.03	
For >25,000, Deduct	-0.04	

03 35 63 Slip-Resistant Floor Finishing (03 35)

03 35 63 00-0001 Slip-Resistant Floor Finishing (03 35 63)

03 Concrete**03 30 Cast-In-Place Concrete****03 35 Concrete Finishing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 63 00-0002	SF		Aluminum Oxide Abrasive Floor Finish, 0.25 LB/SF	0.78	
			<i>For Up To 100, Add</i>	1.22	
			<i>For >100 To 250, Add</i>	0.31	
			<i>For >250 To 500, Add</i>	0.15	
			<i>For >5,000 To 10,000, Deduct</i>	-0.03	
			<i>For >10,000, Deduct</i>	-0.06	
03 35 63 00-0003	SF		Silicone Carbide Abrasive Floor Finish 0.25 LB/SF	0.90	
			<i>For Up To 100, Add</i>	1.22	
			<i>For >100 To 250, Add</i>	0.31	
			<i>For >250 To 500, Add</i>	0.15	
			<i>For >5,000 To 10,000, Deduct</i>	-0.03	
			<i>For >10,000, Deduct</i>	-0.06	
03 35 66			Acid Etch Floor Finishing (03 35)		
03 35 66 00-0001			Acid Etch Floor (03 35 66)		
03 35 66 00-0002	SF		Concrete Floor Finishes, Etch With Acid And Rinse	0.63	
			<i>For Up To 100, Add</i>	0.58	
			<i>For >100 To 250, Add</i>	0.15	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.01	
			<i>For >10,000, Deduct</i>	-0.03	
03 35 83			Wall Finishes (03 35)		
03 35 83 00-0001			Wall Finishes (03 35 83)		
03 35 83 00-0002	SF		Burlap Rub With Grout, New Concrete Wall Finishes	1.12	
			<i>For Up To 100, Add</i>	2.12	
			<i>For >100 To 250, Add</i>	0.53	
			<i>For >250 To 500, Add</i>	0.27	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000, Deduct</i>	-0.11	
03 35 83 00-0003	SF		1/16" Float Finish, New Concrete Wall Finishes	1.68	
			<i>For Up To 100, Add</i>	3.18	
			<i>For >100 To 250, Add</i>	0.80	
			<i>For >250 To 500, Add</i>	0.40	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000, Deduct</i>	-0.16	
03 35 83 00-0004	SF		Etch With Acid And Rinse, New Concrete Wall Finishes	0.69	
			<i>For Up To 100, Add</i>	0.70	
			<i>For >100 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >5,000 To 10,000, Deduct</i>	-0.02	
			<i>For >10,000, Deduct</i>	-0.04	
03 35 83 00-0005	SF		Bush Hammer Green Concrete, New Concrete Wall Finishes.....	3.39	
			<i>For Up To 100, Add</i>	6.72	
			<i>For >100 To 250, Add</i>	1.68	
			<i>For >250 To 500, Add</i>	0.84	
			<i>For >5,000 To 10,000, Deduct</i>	-0.17	
			<i>For >10,000, Deduct</i>	-0.34	
03 35 83 00-0006	SF		Bush Hammer Cured Concrete, New Concrete Wall Finishes.....	5.26	
			<i>For Up To 100, Add</i>	10.40	
			<i>For >100 To 250, Add</i>	2.60	
			<i>For >250 To 500, Add</i>	1.30	
			<i>For >5,000 To 10,000, Deduct</i>	-0.26	
			<i>For >10,000, Deduct</i>	-0.52	
03 35 83 00-0007	SF		Break Ties And Patch, New Concrete Wall Finishes	0.65	
			<i>For Up To 100, Add</i>	1.14	
			<i>For >100 To 250, Add</i>	0.29	
			<i>For >250 To 500, Add</i>	0.14	
			<i>For >5,000 To 10,000, Deduct</i>	-0.03	
			<i>For >10,000, Deduct</i>	-0.06	
03 35 83 00-0008	SF		Carborundum Dry Rub, New Concrete Wall Finishes	2.20	
			<i>For Up To 100, Add</i>	4.24	
			<i>For >100 To 250, Add</i>	1.06	
			<i>For >250 To 500, Add</i>	0.53	
			<i>For >5,000 To 10,000, Deduct</i>	-0.11	
			<i>For >10,000, Deduct</i>	-0.21	
03 35 83 00-0009	SF		Carborundum Wet Rub, New Concrete Wall Finishes	3.35	
			<i>For Up To 100, Add</i>	6.54	
			<i>For >100 To 250, Add</i>	1.64	
			<i>For >250 To 500, Add</i>	0.82	
			<i>For >5,000 To 10,000, Deduct</i>	-0.16	
			<i>For >10,000, Deduct</i>	-0.33	
03 35 83 00-0010	SF		Up To 1/4" Penetration Sand Blasting, New Concrete Wall Finishes.....	2.19	
			<i>For Up To 100, Add</i>	3.70	
			<i>For >100 To 250, Add</i>	0.93	
			<i>For >250 To 500, Add</i>	0.46	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000, Deduct</i>	-0.19	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Concrete Finishing	03 35	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 83 00-0011 SF >1/4" To 1/2" Penetration Sand Blasting, New Concrete Wall Finishes.....	6.10	
For Up To 100, Add	10.82	
For >100 To 250, Add	2.71	
For >250 To 500, Add	1.35	
For >5,000 To 10,000, Deduct	-0.27	
For >10,000, Deduct	-0.54	

03 37 Specialty Placed Concrete (03 30)

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

03 37 13 Shotcrete (03 37)

03 37 13 00-0001 Shotcrete, Fiber Reinforced, Structural Repair (03 37 13)

03 37 13 00-0002 SF 1" Thick Shotcrete, Fiber Reinforced	3.29
For Up To 25, Add	0.52
For >25 To 50, Add	0.29
For >50 To 150, Add	0.09
03 37 13 00-0003 SF 2" Thick Shotcrete, Fiber Reinforced	6.35
For Up To 25, Add	0.97
For >25 To 50, Add	0.54
For >50 To 150, Add	0.17
03 37 13 00-0004 SF 3" Thick Shotcrete, Fiber Reinforced	9.18
For Up To 25, Add	1.38
For >25 To 50, Add	0.76
For >50 To 150, Add	0.23
03 37 13 00-0005 SF 4" Thick Shotcrete, Fiber Reinforced	11.83
For Up To 25, Add	1.73
For >25 To 50, Add	0.96
For >50 To 150, Add	0.27
03 37 13 00-0006 SF 6" Thick Shotcrete, Fiber Reinforced	16.70
For Up To 25, Add	2.33
For >25 To 50, Add	1.28
For >50 To 150, Add	0.33

03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed (03 37 13)

03 37 13 00-0008 SF 1" Thick Gunite (Dry Mix Shotcrete), Sprayed	3.12
For Radius Or Irregular Surface, Add	0.69
For Up To 25, Add	0.57
For >25 To 50, Add	0.33
For >50 To 150, Add	0.13
03 37 13 00-0009 SF 2" Thick Gunite (Dry Mix Shotcrete), Sprayed	5.88
For Radius Or Irregular Surface, Add	1.24
For Up To 25, Add	1.05
For >25 To 50, Add	0.60
For >50 To 150, Add	0.23
03 37 13 00-0010 SF 3" Thick Gunite (Dry Mix Shotcrete), Sprayed	8.35
For Radius Or Irregular Surface, Add	1.67
For Up To 25, Add	1.46
For >25 To 50, Add	0.84
For >50 To 150, Add	0.31
03 37 13 00-0011 SF 4" Thick Gunite (Dry Mix Shotcrete), Sprayed	10.59
For Radius Or Irregular Surface, Add	2.01
For Up To 25, Add	1.81
For >25 To 50, Add	1.03
For >50 To 150, Add	0.38
03 37 13 00-0012 SF 5" Thick Gunite (Dry Mix Shotcrete), Sprayed	12.61
For Radius Or Irregular Surface, Add	2.26
For Up To 25, Add	2.11
For >25 To 50, Add	1.20
For >50 To 150, Add	0.42
03 37 13 00-0013 SF 6" Thick Gunite (Dry Mix Shotcrete), Sprayed	14.45
For Radius Or Irregular Surface, Add	2.44
For Up To 25, Add	2.36
For >25 To 50, Add	1.33
For >50 To 150, Add	0.46
03 37 13 00-0014 SF 8" Thick Gunite (Dry Mix Shotcrete), Sprayed	18.45
For Radius Or Irregular Surface, Add	2.93
For Up To 25, Add	2.94
For >25 To 50, Add	1.65
For >50 To 150, Add	0.55
03 37 13 00-0015 SF 10" Thick Gunite (Dry Mix Shotcrete), Sprayed	22.14
For Radius Or Irregular Surface, Add	3.29
For Up To 25, Add	3.45
For >25 To 50, Add	1.93
For >50 To 150, Add	0.62
03 37 13 00-0016 SF 12" Thick Gunite (Dry Mix Shotcrete), Sprayed	25.59
For Radius Or Irregular Surface, Add	3.56
For Up To 25, Add	3.89
For >25 To 50, Add	2.17
For >50 To 150, Add	0.67

03 39 Concrete Curing (03 30)

03	Concrete
03 30	Cast-In-Place Concrete
03 39	Concrete Curing



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 39 13 Water Concrete Curing (03 39)

03 39 13 00-0001	Water Concrete Curing (03 39 13)		
03 39 13 00-0002	GAL Water Based Curing, Sealing, Hardening And Dustproofing Compound.....	18.76	
	Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.		

03 39 23 Membrane Concrete Curing (03 39)

03 39 23 23 Sheet Membrane Concrete Curing (03 39 23)

03 39 23 23-0001	Concrete Curing Materials And Compounds (03 39 23 23)		
03 39 23 23-0002	CSF 7.5 Oz Burlap, Concrete Curing Blanket.....	23.52	
03 39 23 23-0003	CSF 9 Oz Burlap, Concrete Curing Blanket.....	23.91	
03 39 23 23-0004	CSF 12 Oz Burlap, Concrete Curing Blanket.....	25.38	
03 39 23 23-0005	CSF 2 Ply Reinforced, Concrete Curing Waterproof Paper.....	23.25	
03 39 23 23-0006	CSF Curing Paper.....	7.85	

03 39 33 Concrete Surface Treatments (03 39)

03 39 33 00-0001	Concrete Surface Treatments (03 39 33)		
03 39 33 00-0002	GAL Acrylic Latex Bonding Agent, 250 SF Per Gallon.....	78.24	
03 39 33 00-0003	GAL Epoxy Resin Bonding Agent, 80 SF Per Gallon.....	147.60	
03 39 33 00-0004	SF Clear Acrylic Sealer, Hardener And Dustproofer.....	0.19	
	Note: 300 SF/GAL.		
03 39 33 00-0005	SF Colored Acrylic Sealer, Hardener And Dustproofer.....	0.20	
	Note: 300 SF/GAL.		
03 39 33 00-0006	GAL Clear Acrylic Sealer, Hardener And Dustproofer, 300 SF Per Gallon.....	57.97	
03 39 33 00-0007	GAL Colored Acrylic Sealer, Hardener And Dustproofer, 300 SF Per Gallon.....	60.63	

03 39 33 00-0008	Shake On Floor Hardeners (03 39 33)		
03 39 33 00-0009	SF 0.3 LB/SF, Metallic, Shake On Floor Hardener.....	0.79	
03 39 33 00-0010	SF 0.65 LB/SF, Metallic, Shake On Floor Hardener.....	1.22	
03 39 33 00-0011	SF 0.3 LB/SF, Non Metallic, Shake On Floor Hardener.....	0.75	
03 39 33 00-0012	SF 0.65 LB/SF, Non Metallic, Shake On Floor Hardener.....	0.90	

03 40 Precast Concrete (03)

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Material prices include the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

03 41 Precast Structural Concrete (03 40)

03 41 33 Precast Structural Pretensioned Concrete (03 41)

03 41 33 00-0001	Slabs, Roof And Floor Members (03 41 33)		
03 41 33 00-0002	SF 4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor.....	6.00	1.44
03 41 33 00-0003	SF 6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor.....	7.29	1.44
03 41 33 00-0004	SF 8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor.....	8.57	1.52
03 41 33 00-0005	SF 10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor.....	9.86	1.59
03 41 33 00-0006	Tee Members (03 41 33)		
03 41 33 00-0007	Multiple Tee, Roof And Floor (03 41 33 00-0006)		
03 41 33 00-0008	SF Prestressed Multiple Tee, Roof And Floor Members.....	12.57	1.88
03 41 33 00-0009	Double Tee Wall Member (03 41 33 00-0006)		
03 41 33 00-0010	SF Prestressed Double Tee Wall Members Precast Concrete, <40' Span.....	19.51	5.13
03 41 33 00-0011	Single Tee, Short Span, Roof Members (03 41 33 00-0006)		
03 41 33 00-0012	SF Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span.....	15.39	3.11
03 41 33 00-0013	Single Tee, Long Span, Roof Members (03 41 33 00-0006)		
03 41 33 00-0014	SF Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span.....	17.79	2.67
03 41 33 00-0015	Prestressed Concrete Items (03 41 33)		
03 41 33 00-0016	Prestressed Quad Tee (03 41 33 00-0015)		
03 41 33 00-0017	SF Tees, Prestressed Quad Tee, Short Spans, Roof.....	8.58	0.58
03 41 33 00-0018	SF Tees, Prestressed Quad Tee, Short Spans, Floor.....	8.94	0.58
03 41 33 00-0019	Prestressed Double Tee (03 41 33 00-0015)		



Concrete	03	03
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0020 SF Tees, Double Tee, Floor Members, 60' Span	13.94	0.51
03 41 33 00-0021 SF Tees, Double Tee, Floor Members, 80' Span	19.09	0.51
03 41 33 00-0022 SF Tees, Double Tee, Roof Members, 30' Span	9.86	0.86
03 41 33 00-0023 SF Tees, Double Tee, Roof Members, 50' Span	14.80	0.58
03 41 33 00-0024 SF Tees, Double Tee, Wall Members, Up To 55' High.....	10.86	1.15
03 41 33 00-0025 Prestressed Single Tee (03 41 33 00-0015)		
03 41 33 00-0026 SF Tees, Single Tee Roof Members, 40' Span	17.01	1.30
03 41 33 00-0027 SF Tees, Single Tee Roof Members, 80' Span	19.19	0.80
03 41 33 00-0028 SF Tees, Single Tee Roof Members, 100' Span	25.16	0.73
03 41 33 00-0029 SF Tees, Single Tee Roof Members, 120' Span	26.47	0.73
03 41 33 00-0030 Prestressed Double Tee Floor Members (03 41 33 00-0015)		
03 41 33 00-0031 EA Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'	4,304.77	208.21
03 41 33 00-0032 EA Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'	4,690.53	231.34
03 41 33 00-0033 EA Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'	7,760.00	260.26
03 41 33 00-0034 EA Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'	1,759.27	189.34
03 41 33 00-0035 EA Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'	2,282.52	208.21
03 41 33 00-0036 EA Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'	2,877.30	208.21
03 41 33 00-0037 EA Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'	3,203.59	231.34
03 41 33 00-0038 EA Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'	4,072.38	260.26
03 41 33 00-0039 EA Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'	7,211.87	297.56
03 41 33 00-0040 Prestressed Double Tee Roof Members (03 41 33 00-0015)		
03 41 33 00-0041 EA Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45'	3,412.60	208.21
03 41 33 00-0042 EA Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50'	4,452.62	231.34
03 41 33 00-0043 EA Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60'	7,224.70	260.26
03 41 33 00-0044 EA Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30'	2,318.36	189.34
03 41 33 00-0045 EA Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30'	2,449.06	208.21
03 41 33 00-0046 EA Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30'	2,698.87	208.21
03 41 33 00-0047 EA Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40'	2,787.25	231.34
03 41 33 00-0048 EA Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50'	3,656.03	260.26
03 41 33 00-0049 EA Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60'	6,200.75	297.56
03 41 33 00-0050 Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab (03 41 33)		
03 41 33 00-0051 SF Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete	9.00	
03 41 33 00-0052 SF Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete	9.40	
03 41 33 00-0053 SF Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete	9.93	
03 41 33 00-0054 SF Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete	10.36	
03 41 33 00-0055 SF Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete	11.18	
03 41 33 00-0056 Double And Single Tees (03 41 33)		
03 41 33 00-0057 Double And Single Tees With 16" Roof And Floor Loading (03 41 33 00-0056)		
03 41 33 00-0058 SF Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	11.04	
03 41 33 00-0059 SF Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	10.75	
03 41 33 00-0060 SF Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	10.15	
03 41 33 00-0061 SF Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	11.04	
03 41 33 00-0062 SF Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	10.97	
03 41 33 00-0063 SF Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	16.60	
03 41 33 00-0064 SF Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	16.21	
03 41 33 00-0065 SF Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	15.18	
03 41 33 00-0066 SF Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	16.60	
03 41 33 00-0067 SF Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	15.57	
03 41 33 00-0068 Double And Single Tees With 24" Roof And Floor Loading (03 41 33 00-0056)		
03 41 33 00-0069 SF Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	11.36	
03 41 33 00-0070 SF Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	11.07	
03 41 33 00-0071 SF Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	10.68	
03 41 33 00-0072 SF Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	11.36	
03 41 33 00-0073 SF Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	10.97	
03 41 33 00-0074 SF Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	17.03	
03 41 33 00-0075 SF Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	16.64	
03 41 33 00-0076 SF Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	16.04	
03 41 33 00-0077 SF Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	17.03	
03 41 33 00-0078 SF Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	16.53	
03 41 33 00-0079 Double And Single Tees With 32" Roof And Floor Loading (03 41 33 00-0056)		
03 41 33 00-0080 SF Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	12.01	
03 41 33 00-0081 SF Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	11.61	
03 41 33 00-0082 SF Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	11.21	
03 41 33 00-0083 SF Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	18.12	
03 41 33 00-0084 SF Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	17.50	

03	Concrete
03 40	Precast Concrete
03 41	Precast Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 41 33 00-0085 SF Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete 16.78

03 41 40 Precast Items (03 40)

03 41 40 00-0001 Precast Items (03 41 40)

03 41 40 00-0002 Precast Bumper Curbs (03 41 40 00-0001)

03 41 40 00-0003	EA	6" x 10" x 7' Precast Bumper Curbs	46.03	8.06
		For 3500 PSI Concrete, Add	0.86	
		For 4000 PSI Concrete, Add	1.27	
		For 4500 PSI Concrete, Add	1.70	
		For 5000 PSI (350 Kg/Cm2) Concrete, Add	2.54	

03 48 Precast Concrete Specialties (03 40)

03 48 16 Precast Concrete Splash Blocks (03 48)

03 48 16 00-0001 Precast Concrete Splash Blocks (03 48 16)

03 48 16 00-0002	EA	Precast Concrete Splash Blocks, Standard Size	13.87	2.36
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03 48 24 Precast Minaret Segments (03 48)

03 48 24 00-0001 Installation Costs Using A 50 Ton Hydraulic Crane (03 48 24)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.

03 48 24 00-0002 L - Shaped Segments (03 48 24 00-0001)

03 48 24 00-0003	EA	Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	224.89	179.92
03 48 24 00-0004	EA	Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	252.01	201.62
03 48 24 00-0005	EA	Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	284.94	227.94
03 48 24 00-0006	EA	Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	303.94	243.15

03 48 24 00-0007 O - Shaped Segments (03 48 24 00-0001)

03 48 24 00-0008	EA	Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	237.68	190.18
03 48 24 00-0009	EA	Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	266.76	213.38
03 48 24 00-0010	EA	Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	302.10	241.66
03 48 24 00-0011	EA	Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	323.55	258.82

03 48 24 00-0012 Platform Segment (03 48 24 00-0001)

03 48 24 00-0013	EA	Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	455.91	364.77
03 48 24 00-0014	EA	Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	551.10	440.85
03 48 24 00-0015	EA	Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	611.59	489.28
03 48 24 00-0016	EA	Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	686.99	549.61

03 48 24 00-0017 Cap Segment (03 48 24 00-0001)

03 48 24 00-0018	EA	Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	249.51	199.58
03 48 24 00-0019	EA	Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	278.61	222.85
03 48 24 00-0020	EA	Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	317.40	253.88
03 48 24 00-0021	EA	Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	338.85	271.05

03 48 24 00-0022 Installation Costs Using A 90 Ton Crawler Crane (03 48 24)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.

03 48 24 00-0023 L - Shaped Segments (03 48 24 00-0022)

03 48 24 00-0024	EA	Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	229.63	183.71
03 48 24 00-0025	EA	Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	257.32	205.87
03 48 24 00-0026	EA	Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	290.94	232.75
03 48 24 00-0027	EA	Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	310.35	248.27

03 48 24 00-0028 O - Shaped Segment (03 48 24 00-0022)

03 48 24 00-0029	EA	Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	242.69	194.19
03 48 24 00-0030	EA	Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	272.38	217.87
03 48 24 00-0031	EA	Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	308.47	246.75
03 48 24 00-0032	EA	Install Minaret, O-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	330.37	264.28

03 48 24 00-0033 Platform Segment (03 48 24 00-0022)

03 48 24 00-0034	EA	Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	371.06	296.84
03 48 24 00-0035	EA	Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	449.18	359.33
03 48 24 00-0036	EA	Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	497.15	397.73
03 48 24 00-0037	EA	Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	562.71	450.14



Concrete	03	03
Precast Concrete	03 40	
Precast Concrete Specialties	03 48	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 24 00-0038 Cap Segment <small>(03 48 24 00-0022)</small>		
03 48 24 00-0039 EA Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane.....	254.76	203.79
03 48 24 00-0040 EA Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane.....	284.48	227.55
03 48 24 00-0041 EA Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane.....	324.09	259.23
03 48 24 00-0042 EA Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane.....	345.99	276.76
03 48 24 00-0043 Material Costs <small>(03 48 24)</small>		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 24 00-0044 CY Precast Concrete Minaret, L-Shaped Segments Including Post Tension Cost, 3,000 PSI Concrete.....	2,854.87	
03 48 24 00-0045 CY Precast Concrete Minaret, O-Shaped Segments Including Post Tension Cost, 3,000 PSI Concrete.....	2,854.87	
03 48 24 00-0046 CY Precast Concrete Minaret, Platform Segments Including Post Tension Cost, 3,000 PSI Concrete.....	2,854.87	
03 48 24 00-0047 CY Precast Concrete Minaret, Cap Segments Including Post Tension Cost, 3,000 PSI Concrete.....	2,854.87	
03 48 29 Precast Accessories <small>(03 48)</small>		
Note: Includes installation labor, material and equipment.		
03 48 29 00-0001 Bearing Pads For Precast Members <small>(03 48 29)</small>		
03 48 29 00-0002 Continuous 2" Wide Strips <small>(03 48 29 00-0001)</small>		
03 48 29 00-0003 LF Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips.....	1.05	
Note: For precast members		
03 48 29 00-0004 LF Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips.....	1.60	
Note: For precast members.		
03 48 29 00-0005 LF Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips.....	2.81	
Note: For precast members		
03 48 29 00-0006 LF Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips.....	4.03	
Note: For precast members		
03 48 29 00-0007 LF Bearing Pads, Continuous 2" Wide x 1" Thick Strips.....	5.29	
Note: For precast members		
03 48 29 00-0008 LF Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips.....	7.69	
Note: For precast members		
03 48 29 00-0009 Bearing Pad Pipe Supports <small>(03 48 29)</small>		
03 48 29 00-0010 LF 8" Diameter Precast Balustrade, Decorative Shapes.....	57.41	
03 48 29 00-0011 LF Precast Rail Cap, <1 SF Cross Section.....	36.76	
03 48 29 00-0012 LF 4" x 4" Precast Pipe Support.....	6.63	
03 48 49 Precast Landings <small>(03 48)</small>		
03 48 49 00-0001 SF 3" Thick Precast Landing.....	34.51	
03 48 49 00-0002 SF 4" Thick Precast Landing.....	39.98	
03 48 49 00-0003 SF 5" Thick Precast Landing.....	45.75	
03 48 49 00-0004 SF 6" Thick Precast Landing.....	52.83	
03 50 Cast Decks And Underlayment <small>(03)</small>		
03 51 Cast Roof Decks <small>(03 50)</small>		
03 51 13 Cementitious Wood Fiber Decks <small>(03 51)</small>		
03 51 13 00-0001 Cement Fiber Tongue And Groove Planks <small>(03 51 13)</small>		
03 51 13 00-0002 SF 1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System.....	2.17	
03 51 13 00-0003 SF 1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System.....	2.26	
03 51 13 00-0004 SF 2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System.....	2.37	
03 51 13 00-0005 SF 2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System.....	2.71	
03 51 13 00-0006 SF 3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System.....	3.08	
03 51 13 00-0007 SF 3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System.....	3.50	
03 51 13 00-0008 SF 4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System.....	4.03	
03 51 13 00-0009 Bulb Tees, Sub-Purlins And Grout <small>(03 51 13)</small>		
03 51 13 00-0010 SF 6' Span Bulb Tee, Sub-Purlins, Grout, Cement Wood Fiber System.....	0.95	
03 51 13 00-0011 SF 8' Span Bulb Tee, Sub-Purlins, Grout, Cement Wood Fiber System.....	1.48	
03 51 16 Gypsum Concrete Roof Decks <small>(03 51)</small>		
03 51 16 00-0001 Class A Gypsum Fill Concrete Deck <small>(03 51 16)</small>		
03 51 16 00-0002 SF 2" Thick Precast Gypsum Fill Concrete Deck, Class A.....	3.53	0.35
03 51 16 00-0003 SF 2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A.....	4.34	0.40
03 51 16 00-0004 SF 3" Thick Precast Gypsum Fill Concrete Deck, Class A.....	5.17	0.46
03 51 16 00-0005 SF 3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A.....	6.00	0.52
03 51 16 00-0006 SF 4" Thick Precast Gypsum Fill Concrete Deck, Class A.....	6.85	0.58
03 51 16 00-0007 Formboard For Lightweight Deck <small>(03 51 16)</small>		
03 51 16 00-0008 SF Gypsum Deck Formboard, 1/2" Drywall For Lightweight Deck.....	1.48	

03 Concrete**03 50 Cast Decks And Underlayment****03 51 Cast Roof Decks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 51 16 00-0009	SF	Gypsum Deck Formboard, 1" Mineral Fiber Board For Lightweight Deck.....	2.04	
	03 51 16 00-0010	SF	Gypsum Deck Formboard, 1-1/2" Mineral Fiber Board For Lightweight Deck.....	4.48	
	03 51 16 00-0011	SF	Gypsum Deck Formboard, 1" Cementitious Fiber Board For Lightweight Deck.....	1.65	0.33
	03 51 16 00-0012	SF	Gypsum Deck Formboard, 1-1/2" Cementitious Fiber Board For Lightweight Deck.....	2.04	0.33
	03 51 16 00-0013	SF	Gypsum Deck Formboard, 1" Glass Fiber Board For Lightweight Deck.....	2.32	0.33
	03 51 16 00-0014	SF	Gypsum Deck Formboard, 1-1/2" Glass Fiber Board For Lightweight Deck.....	2.91	0.33
	03 51 16 00-0015		Board Deck Supports For Formboard (03 51 16)		
	03 51 16 00-0016	SF	Gypsum Deck Formboard Supports, 5' Bulb Tee 40 LB/SF, Span.....	0.68	0.14
	03 51 16 00-0017	SF	Gypsum Deck Formboard Supports, 8' Bulb Tee 40 LB/SF Span.....	1.15	0.21
	03 51 16 00-0018		Gypsum Plank (03 51 16)		
	03 51 16 00-0019	SF	Insulating Concrete Gypsum Plank, 2" Thick Roof Deck.....	2.51	
	03 51 16 00-0020	SF	Insulating Concrete Gypsum Plank, 3" Thick Roof Deck.....	3.30	
03 52	Lightweight Concrete Roof Insulation (03 50)				
	03 52 16		Lightweight Insulating Concrete (03 52)		
			Note: Add costs for forming to all tasks below. See CSI section 03 11 00 00-0000 for forming.		
	03 52 16 00-0001		Poured Deck (03 52 16)		
	03 52 16 00-0002		Perlite Or Vermiculite (03 52 16 00-0001)		
	03 52 16 00-0003	CY	Insulating Roof Deck, Perlite, 1:6 Mix Field Mix, Also Vermiculite.....	194.99	
			For Smooth Trowel Finish, Add	32.37	
	03 52 16 00-0004		Lightweight Insulating Concrete Deck, Ready Mix 1 To 6 Mix (03 52 16 00-0001)		
	03 52 16 00-0005	SF	2" Insulating Roof Deck, Ready Mix, 1:6 Mix.....	2.03	
			For Smooth Trowel Finish, Add	0.23	
	03 52 16 00-0006	SF	3" Insulating Roof Deck, Ready Mix, 1:6 Mix.....	2.91	
			For Smooth Trowel Finish, Add	0.28	
	03 52 16 00-0007		Galvanized Mesh Reinforcing (03 52 16 00-0001)		
	03 52 16 00-0008	SF	Welded Wire Fabric, 2" Hexagonal Mesh (Keydeck #2160-2-1619).....	1.24	
	03 52 16 00-0009		Lightweight Insulating Concrete Plank Roof Deck (03 52 16)		
	03 52 16 00-0010	SF	2" Thick, Lightweight Insulating Concrete Plank Roof Deck.....	4.01	
			For >4 To 12 Pitch, Add	0.27	
			For >6 To 12 Pitch, Add	1.64	
	03 52 16 00-0011	SF	2-1/2" Thick, Lightweight Insulating Concrete Plank Roof Deck.....	4.65	
			For >4 To 12 Pitch, Add	0.30	
			For >6 To 12 Pitch, Add	1.79	
	03 52 16 00-0012	SF	3" Thick, Lightweight Insulating Concrete Plank Roof Deck.....	5.36	
			For >4 To 12 Pitch, Add	0.32	
			For >6 To 12 Pitch, Add	1.94	
	03 52 16 00-0013	SF	3-1/2" Thick, Lightweight Insulating Concrete Plank Roof Deck.....	5.63	
			For >4 To 12 Pitch, Add	0.35	
			For >6 To 12 Pitch, Add	2.10	
	03 52 16 00-0014	SF	4" Thick, Lightweight Insulating Concrete Plank Roof Deck.....	5.84	
			For >4 To 12 Pitch, Add	0.37	
			For >6 To 12 Pitch, Add	2.19	
	03 52 16 00-0015		Lightweight Insulating Concrete Channel Slab Roof Deck (03 52 16)		
	03 52 16 00-0016	SF	2-3/4" Thick, Lightweight Insulating Concrete Channel Slab Roof Deck.....	4.47	
	03 52 16 00-0017	SF	3-1/2" Thick, Lightweight Insulating Concrete Channel Slab Roof Deck.....	4.77	
	03 52 16 00-0018	SF	3-3/4" Thick, Lightweight Insulating Concrete Channel Slab Roof Deck.....	4.87	
	03 52 16 00-0019	SF	4-3/4" Thick, Lightweight Insulating Concrete Channel Slab Roof Deck.....	5.03	
	03 52 16 00-0020	SF	2-3/4" Thick, Cut To Length On Site, Lightweight Insulating Concrete Channel Slab Roof Deck.....	6.41	
	03 52 16 00-0021	SF	3-1/2" Thick, Cut To Length On Site, Lightweight Insulating Concrete Channel Slab Roof Deck.....	6.49	
	03 52 16 00-0022	SF	3-3/4" Thick, Cut To Length On Site, Lightweight Insulating Concrete Channel Slab Roof Deck.....	6.60	
	03 52 16 00-0023	SF	4-3/4" Thick, Cut To Length On Site, Lightweight Insulating Concrete Channel Slab Roof Deck.....	6.71	
03 53	Concrete Topping (03 50)				
			Note: Installed over new or existing concrete.		
	03 53 00 00-0001		Integral Topping Including Hard Trowel Finish (03 53)		
			Note: Using 1:1:2 mix.		
	03 53 00 00-0002	SF	3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	1.60	
	03 53 00 00-0003	SF	1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	1.80	
	03 53 00 00-0004	SF	3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.10	
	03 53 00 00-0005	SF	1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.49	
	03 53 00 00-0006	SF	2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	3.54	
	03 53 00 00-0007	SF	2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	3.04	



Concrete	03	03
Cast Decks And Underlayment	03 50	
Concrete Topping	03 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 53 00 00-0008 SF 3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	3.40	
03 53 00 00-0009 Granolithic Topping Laid After (03 53) Note: Using 1:1:1-1/2 mix.		
03 53 00 00-0010 SF 1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix.....	2.68	
03 53 00 00-0011 SF 1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix.....	2.91	
03 53 00 00-0012 SF 2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix.....	3.66	
03 54 Cast Underlayment (03 50) Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).		
03 54 16 Hydraulic Cement Underlayment (03 54)		
03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors (03 54 16) Note: Includes primer.		
03 54 16 00-0002 SF 1/8" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation.....	1.46	
03 54 16 00-0003 SF 1/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation.....	2.21	
03 54 16 00-0004 SF 1/2" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation.....	3.72	
03 54 16 00-0005 SF 3/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation.....	5.24	
03 54 16 00-0006 SF 1" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation.....	6.74	
03 54 16 00-0007 SF 1-1/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation.....	8.76	
03 54 16 00-0008 SF 1-1/2" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation.....	9.77	
03 54 16 00-0009 SF 1-3/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation.....	12.80	
03 60 Grouting (03)		
03 61 Cementitious Grouting (03 60) Note: 1 part cement to 3 parts sand by volume.		
03 61 16 Cementitious Flowable Grout (03 61)		
03 61 16 00-0001 Flowable Grout (03 61 16)		
03 61 16 00-0002 CY Cementitious Flowable Grout.....	286.23	
03 62 Non-Shrink Grouting (03 60)		
03 62 13 Non-Metallic Non-Shrink Grouting (03 62)		
03 62 13 00-0001 Fluid Type, Non-Metallic Non-Shrink Grouting For Bases (03 62 13)		
03 62 13 00-0002 SF 1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases.....	16.47	
03 62 13 00-0003 SF 2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases.....	24.37	
03 62 13 00-0004 Non-Metallic Non-Shrink Grouting For Bases (03 62 13)		
03 62 13 00-0005 SF 1" Deep, Non-Metallic Non-Shrink Grout For Bases.....	25.23	
03 62 13 00-0006 SF 2" Deep, Non-Metallic Non-Shrink Grout For Bases.....	40.41	
03 62 13 00-0007 Non-Metallic Non-Shrink Grouting For Joints (03 62 13)		
03 62 13 00-0008 1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints (03 62 13 00-0007)		
03 62 13 00-0009 LF 4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints.....	1.30	
03 62 13 00-0010 LF 6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints.....	1.71	
03 62 13 00-0011 LF 8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints.....	2.26	
03 62 13 00-0012 1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints (03 62 13 00-0007)		
03 62 13 00-0013 LF 4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints.....	1.93	
03 62 13 00-0014 LF 6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints.....	2.56	
03 62 13 00-0015 LF 8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints.....	3.40	
03 62 16 Metallic Non-Shrink Grouting (03 62)		
03 62 16 00-0001 Metallic Non-Shrink Grouting For Bases (03 62 16)		
03 62 16 00-0002 SF 1" Deep, Metallic Non-Shrink Grout For Bases.....	21.38	
03 62 16 00-0003 SF 2" Deep, Metallic Non-Shrink Grout For Bases.....	32.95	
03 62 16 00-0004 Metallic Non-Shrink Grouting For Joints (03 62 16)		
03 62 16 00-0005 1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints (03 62 16 00-0004)		
03 62 16 00-0006 LF 4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints.....	1.06	
03 62 16 00-0007 LF 6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints.....	1.34	
03 62 16 00-0008 LF 8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints.....	1.79	

03	Concrete
03 60	Grouting
03 62	Non-Shrink Grouting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 62 16 00-0009 1" Joint Thickness, Metallic Non-Shrink Grout For Joints <small>(03 62 16 00-0004)</small>		
03 62 16 00-0010 LF 4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints.....	1.46	
03 62 16 00-0011 LF 6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints.....	1.84	
03 62 16 00-0012 LF 8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints.....	2.45	
03 63 Epoxy Grouting <small>(03 60)</small>		
03 63 00 00-0001 Spray On Concrete Epoxy Grout <small>(03 63)</small> Note: (Sika 224) per thickness per coat.		
03 63 00 00-0002 SF 1/2" Thick Coat Spray On Concrete Epoxy Grout.....	3.88	
<i>For Color, Add</i>	1.10	
03 63 00 00-0003 SF 3/4" Thick Coat Spray On Concrete Epoxy Grout.....	5.39	
<i>For Color, Add</i>	1.66	
03 63 00 00-0004 SF 1" Thick Coat Spray On Concrete Epoxy Grout.....	6.95	
<i>For Color, Add</i>	2.21	
03 64 Injection Grouting <small>(03 60)</small> Note: By volume of void filled. Includes injection ports.		
03 64 23 Epoxy Injection Grouting <small>(03 64)</small>		
03 64 23 00-0001 Epoxy Injection Grouting <small>(03 64 23)</small>		
03 64 23 00-0002 CF Pressure Injected Epoxy Grout.....	784.71	
03 64 26 Cementitious Injection Grouting <small>(03 64)</small>		
03 64 26 00-0001 Cementitious Injection Grouting <small>(03 64 26)</small>		
03 64 26 00-0002 CF Pressure Injected Cementitious Grout.....	55.49	
03 80 Concrete Cutting And Boring <small>(03)</small>		
03 81 Concrete Cutting <small>(03 80)</small>		
03 81 13 Flat Concrete Sawing <small>(03 81)</small> See CSI section 02 41 19 13-0049 for saw cutting.		
03 81 16 Track Mounted Concrete Wall Sawing <small>(03 81)</small> See CSI section 02 41 19 13-0049 for saw cutting.		
03 82 Concrete Boring <small>(03 80)</small>		
03 82 13 Concrete Core Drilling <small>(03 82)</small> See CSI section 02 41 19 13-0072 for core drilling.		

END OF SECTION 03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 Masonry

04 01 Maintenance Of Masonry ⁽⁰⁴⁾

04 01 20 Maintenance Of Unit Masonry ^(04 01)

Note: For use on existing brick. Includes clean-up of debris. Excludes disposal.

04 01 20 41 Unit Masonry Stabilization ^(04 01 20)

04 01 20 41-0001	Masonry Repair (Helifix®) ^(04 01 20 41)	
04 01 20 41-0002	Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0001)	
	Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.	
04 01 20 41-0003	304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0002)	
04 01 20 41-0004	EA 8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	20.29
	For Up To 10, Add	5.53
	For >10 To 50, Add	2.77
04 01 20 41-0005	EA 8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	31.96
	For Up To 10, Add	5.53
	For >10 To 50, Add	2.77
04 01 20 41-0006	EA 8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	44.63
	For Up To 10, Add	5.53
	For >10 To 50, Add	2.77
04 01 20 41-0007	316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0002)	
04 01 20 41-0008	EA 8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	22.82
	For Up To 10, Add	5.53
	For >10 To 50, Add	2.77
04 01 20 41-0009	EA 8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	36.45
	For Up To 10, Add	5.53
	For >10 To 50, Add	2.77
04 01 20 41-0010	EA 8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	51.36
	For Up To 10, Add	5.53
	For >10 To 50, Add	2.77
04 01 20 41-0011	Ties For Stitching Masonry Cracks (Helifix® Helibar) ^(04 01 20 41-0001)	
	Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.	
04 01 20 41-0012	304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) ^(04 01 20 41-0011)	
04 01 20 41-0013	EA 4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	46.11
	For Up To 10, Add	22.10
	For >10 To 50, Add	11.05
04 01 20 41-0014	EA 4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	52.74
	For Up To 10, Add	22.10
	For >10 To 50, Add	11.05
04 01 20 41-0015	EA 4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	206.51
	For Up To 10, Add	22.10
	For >10 To 50, Add	11.05
04 01 20 41-0016	EA 6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	46.11
	For Up To 10, Add	22.10
	For >10 To 50, Add	11.05
04 01 20 41-0017	EA 6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	52.74
	For Up To 10, Add	22.10
	For >10 To 50, Add	11.05
04 01 20 41-0018	EA 6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	60.28
	For Up To 10, Add	22.10
	For >10 To 50, Add	11.05
04 01 20 41-0019	EA 6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	74.44
	For Up To 10, Add	22.10
	For >10 To 50, Add	11.05
04 01 20 41-0020	EA 6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	206.51
	For Up To 10, Add	22.10
	For >10 To 50, Add	11.05



MINOR
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UNIT COST UNIT COST

04 01 20 41-0021	316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) <small>(04 01 20 41-0011)</small>	
04 01 20 41-0022	EA 4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	49.72
	For Up To 10, Add	22.10
	For >10 To 50, Add	11.05
04 01 20 41-0023	EA 4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	57.55
	For Up To 10, Add	22.10
	For >10 To 50, Add	11.05
04 01 20 41-0024	EA 4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	236.57
	For Up To 10, Add	22.10
	For >10 To 50, Add	11.05
04 01 20 41-0025	EA 6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	49.72
	For Up To 10, Add	22.10
	For >10 To 50, Add	11.05
04 01 20 41-0026	EA 6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	57.55
	For Up To 10, Add	22.10
	For >10 To 50, Add	11.05
04 01 20 41-0027	EA 6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	66.29
	For Up To 10, Add	22.10
	For >10 To 50, Add	11.05
04 01 20 41-0028	EA 6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	82.87
	For Up To 10, Add	22.10
	For >10 To 50, Add	11.05
04 01 20 41-0029	EA 6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	236.57
	For Up To 10, Add	22.10
	For >10 To 50, Add	11.05
04 01 20 41-0030	Mechanical Repair Anchors (Helifix® TorkFix) <small>(04 01 20 41-0001)</small>	
	Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.	
04 01 20 41-0031	304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) <small>(04 01 20 41-0030)</small>	
04 01 20 41-0032	EA 4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	9.66
	For Up To 10, Add	3.32
	For >10 To 50, Add	1.66
04 01 20 41-0033	EA 5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.85
	For Up To 10, Add	3.32
	For >10 To 50, Add	1.66
04 01 20 41-0034	EA 6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.04
	For Up To 10, Add	3.32
	For >10 To 50, Add	1.66
04 01 20 41-0035	EA 7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.23
	For Up To 10, Add	3.32
	For >10 To 50, Add	1.66
04 01 20 41-0036	EA 8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.42
	For Up To 10, Add	3.32
	For >10 To 50, Add	1.66
04 01 20 41-0037	EA 9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.60
	For Up To 10, Add	3.32
	For >10 To 50, Add	1.66
04 01 20 41-0038	EA 4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	9.66
	For Up To 10, Add	3.32
	For >10 To 50, Add	1.66
04 01 20 41-0039	EA 5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.85
	For Up To 10, Add	3.32
	For >10 To 50, Add	1.66
04 01 20 41-0040	EA 6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.04
	For Up To 10, Add	3.32
	For >10 To 50, Add	1.66
04 01 20 41-0041	EA 7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.23
	For Up To 10, Add	3.32
	For >10 To 50, Add	1.66
04 01 20 41-0042	EA 8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.42
	For Up To 10, Add	3.32
	For >10 To 50, Add	1.66
04 01 20 41-0043	EA 10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.79
	For Up To 10, Add	3.32
	For >10 To 50, Add	1.66
04 01 20 41-0044	EA 4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	9.66
	For Up To 10, Add	3.32
	For >10 To 50, Add	1.66
04 01 20 41-0045	EA 6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	12.04
	For Up To 10, Add	3.32
	For >10 To 50, Add	1.66
04 01 20 41-0046	EA 8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	13.82
	For Up To 10, Add	3.32
	For >10 To 50, Add	1.66



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0047	316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) <small>(04 01 20 41-0030)</small>			
04 01 20 41-0048	EA 4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	9.66		
	For Up To 10, Add		3.32	
	For >10 To 50, Add		1.66	
04 01 20 41-0049	EA 5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	10.85		
	For Up To 10, Add		3.32	
	For >10 To 50, Add		1.66	
04 01 20 41-0050	EA 6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.04		
	For Up To 10, Add		3.32	
	For >10 To 50, Add		1.66	
04 01 20 41-0051	EA 7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.23		
	For Up To 10, Add		3.32	
	For >10 To 50, Add		1.66	
04 01 20 41-0052	EA 8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	14.42		
	For Up To 10, Add		3.32	
	For >10 To 50, Add		1.66	
04 01 20 41-0053	EA 9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	15.60		
	For Up To 10, Add		3.32	
	For >10 To 50, Add		1.66	
04 01 20 41-0054	EA 4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	9.66		
	For Up To 10, Add		3.32	
	For >10 To 50, Add		1.66	
04 01 20 41-0055	EA 5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	10.85		
	For Up To 10, Add		3.32	
	For >10 To 50, Add		1.66	
04 01 20 41-0056	EA 6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.04		
	For Up To 10, Add		3.32	
	For >10 To 50, Add		1.66	
04 01 20 41-0057	EA 7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.23		
	For Up To 10, Add		3.32	
	For >10 To 50, Add		1.66	
04 01 20 41-0058	EA 8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	14.42		
	For Up To 10, Add		3.32	
	For >10 To 50, Add		1.66	
04 01 20 41-0059	EA 10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	16.79		
	For Up To 10, Add		3.32	
	For >10 To 50, Add		1.66	
04 01 20 41-0060	EA 4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	9.66		
	For Up To 10, Add		3.32	
	For >10 To 50, Add		1.66	
04 01 20 41-0061	EA 6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	12.04		
	For Up To 10, Add		3.32	
	For >10 To 50, Add		1.66	
04 01 20 41-0062	EA 8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	13.82		
	For Up To 10, Add		3.32	
	For >10 To 50, Add		1.66	
04 01 20 41-0063	Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) <small>(04 01 20 41-0001)</small>			
	Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.			
04 01 20 41-0064	304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) <small>(04 01 20 41-0063)</small>			
04 01 20 41-0065	EA 8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	6.87		
	For Up To 10, Add		3.32	
	For >10 To 50, Add		1.66	
	For Metal Stud Clip, Add		2.23	
04 01 20 41-0066	EA 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.30		
	For Up To 10, Add		3.32	
	For >10 To 50, Add		1.66	
	For Metal Stud Clip, Add		2.23	
04 01 20 41-0067	EA 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.38		
	For Up To 10, Add		3.32	
	For >10 To 50, Add		1.66	
	For Metal Stud Clip, Add		2.23	
04 01 20 41-0068	EA 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.56		
	For Up To 10, Add		3.32	
	For >10 To 50, Add		1.66	
	For Metal Stud Clip, Add		2.23	

04 Masonry**04 01 Maintenance Of Masonry****04 01 20 Maintenance Of Unit Masonry**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0069	EA		8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.87	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0070	EA		8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.13	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0071	EA		8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.26	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0072	EA		8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.43	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0073	EA		8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.19	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0074	EA		8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.29	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0075	EA		8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.21	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0076	EA		8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.98	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0077	EA		8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.64	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0078	EA		8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.97	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0079	EA		8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	16.05	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0080	EA		8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.80	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0081	EA		10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.01	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0082	EA		10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.48	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0083	EA		10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.89	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0084	EA		10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.26	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0085	EA		10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.50	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0086	EA			10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.66	
				<i>For Up To 10, Add</i>	3.32	
				<i>For >10 To 50, Add</i>	1.66	
				<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0087	EA			10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.94	
				<i>For Up To 10, Add</i>	3.32	
				<i>For >10 To 50, Add</i>	1.66	
				<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0088	EA			10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.06	
				<i>For Up To 10, Add</i>	3.32	
				<i>For >10 To 50, Add</i>	1.66	
				<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0089	EA			10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.59	
				<i>For Up To 10, Add</i>	3.32	
				<i>For >10 To 50, Add</i>	1.66	
				<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0090	EA			10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.36	
				<i>For Up To 10, Add</i>	3.32	
				<i>For >10 To 50, Add</i>	1.66	
				<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0091	EA			10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.00	
				<i>For Up To 10, Add</i>	3.32	
				<i>For >10 To 50, Add</i>	1.66	
				<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0092	EA			10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.81	
				<i>For Up To 10, Add</i>	3.32	
				<i>For >10 To 50, Add</i>	1.66	
				<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0093	EA			10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	16.18	
				<i>For Up To 10, Add</i>	3.32	
				<i>For >10 To 50, Add</i>	1.66	
				<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0094	EA			10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.63	
				<i>For Up To 10, Add</i>	3.32	
				<i>For >10 To 50, Add</i>	1.66	
				<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0095	EA			10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	22.43	
				<i>For Up To 10, Add</i>	3.32	
				<i>For >10 To 50, Add</i>	1.66	
				<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0096	EA			8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	8.02	
				<i>For Up To 10, Add</i>	3.32	
				<i>For >10 To 50, Add</i>	1.66	
				<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0097	EA			8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	8.29	
				<i>For Up To 10, Add</i>	3.32	
				<i>For >10 To 50, Add</i>	1.66	
				<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0098	EA			8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	8.47	
				<i>For Up To 10, Add</i>	3.32	
				<i>For >10 To 50, Add</i>	1.66	
				<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0099	EA			8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	8.60	
				<i>For Up To 10, Add</i>	3.32	
				<i>For >10 To 50, Add</i>	1.66	
				<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0100	EA			8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	8.98	
				<i>For Up To 10, Add</i>	3.32	
				<i>For >10 To 50, Add</i>	1.66	
				<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0101	EA			8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.58	
				<i>For Up To 10, Add</i>	3.32	
				<i>For >10 To 50, Add</i>	1.66	
				<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0102	EA			8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.80	
				<i>For Up To 10, Add</i>	3.32	
				<i>For >10 To 50, Add</i>	1.66	
				<i>For Metal Stud Clip, Add</i>	2.23	

04 Masonry**04 01 Maintenance Of Masonry****04 01 20 Maintenance Of Unit Masonry**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0103	EA		8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.41	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0104	EA		10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	8.72	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0105	EA		10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.24	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0106	EA		10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.61	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0107	EA		10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.85	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0108	EA		10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.02	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0109	EA		10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.41	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0110	EA		304 Stainless Steel, Seismic Connector (Helifix® DryFix®)	3.78	
			Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
			<i>For Up To 10, Add</i>	1.66	
			<i>For >10 To 50, Add</i>	0.83	

04 01 20 41-0111 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0063)

04 01 20 41-0112	EA		8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	7.55	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0113	EA		8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.08	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0114	EA		8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.19	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0115	EA		8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.40	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0116	EA		8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.79	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0117	EA		8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.11	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0118	EA		8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.28	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0119	EA		8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.49	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0120	EA		8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.28	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0121	EA		8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.42	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0122	EA		8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.56	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0123	EA		8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.52	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0124	EA		8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.35	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0125	EA		8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	16.27	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0126	EA		8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.62	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0127	EA		8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	22.07	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0128	EA		10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.82	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0129	EA		10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.34	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0130	EA		10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.87	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0131	EA		10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.33	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0132	EA		10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.63	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0133	EA		10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.83	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0134	EA		10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.17	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0135	EA		10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.32	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0136	EA		10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.94	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	

04 Masonry

04 01 Maintenance Of Masonry

04 01 20 Maintenance Of Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0137	EA		10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.81	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0138	EA		10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.60	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0139	EA		10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.61	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0140	EA		10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	19.08	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0141	EA		10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.69	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0142	EA		10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	26.44	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0143	EA		8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	9.10	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0144	EA		8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	9.39	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0145	EA		8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	9.61	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0146	EA		8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	9.77	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0147	EA		8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.25	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0148	EA		8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.01	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0149	EA		8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.25	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0150	EA		8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.00	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0151	EA		10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	9.86	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0152	EA		10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.52	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0153	EA		10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.98	
			<i>For Up To 10, Add</i>	3.32	
			<i>For >10 To 50, Add</i>	1.66	
			<i>For Metal Stud Clip, Add</i>	2.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0154 EA 10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.28	
<i>For Up To 10, Add</i>	3.32	
<i>For >10 To 50, Add</i>	1.66	
<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0155 EA 10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.48	
<i>For Up To 10, Add</i>	3.32	
<i>For >10 To 50, Add</i>	1.66	
<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0156 EA 10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.97	
<i>For Up To 10, Add</i>	3.32	
<i>For >10 To 50, Add</i>	1.66	
<i>For Metal Stud Clip, Add</i>	2.23	
04 01 20 41-0157 EA 316 Stainless Steel, Seismic Connector (Helifix® DryFix®)	4.30	
Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
<i>For Up To 10, Add</i>	1.66	
<i>For >10 To 50, Add</i>	0.83	
04 01 20 41-0158 Concrete Patching Pins (Helifix® PatchPin) (04 01 20 41-0001)		
Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.		
04 01 20 41-0159 304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)		
(04 01 20 41-0158)		
04 01 20 41-0160 EA 8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	5.21	
<i>For Up To 10, Add</i>	3.32	
<i>For >10 To 50, Add</i>	1.66	
04 01 20 41-0161 EA 8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	5.27	
<i>For Up To 10, Add</i>	3.32	
<i>For >10 To 50, Add</i>	1.66	
04 01 20 41-0162 316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)		
(04 01 20 41-0158)		
04 01 20 41-0163 EA 8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	5.58	
<i>For Up To 10, Add</i>	3.32	
<i>For >10 To 50, Add</i>	1.66	
04 01 20 41-0164 EA 8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	5.66	
<i>For Up To 10, Add</i>	3.32	
<i>For >10 To 50, Add</i>	1.66	
04 01 20 41-0165 Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0001)		
Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.		
04 01 20 41-0166 304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0165)		
04 01 20 41-0167 EA 6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	32.87	
<i>For Up To 10, Add</i>	22.10	
<i>For >10 To 50, Add</i>	11.05	
04 01 20 41-0168 316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0165)		
04 01 20 41-0169 EA 6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	34.53	
<i>For Up To 10, Add</i>	22.10	
<i>For >10 To 50, Add</i>	11.05	
04 01 20 51 Unit Masonry Maintenance (04 01 20)		
04 01 20 51-0001 Grind Unit Masonry (04 01 20 51)		
04 01 20 51-0002 SF Grind Smooth Masonry Wall	2.31	
04 01 20 52 Unit Masonry Cleaning (04 01 20)		
04 01 20 52-0001 Cleaning And Repointing Masonry (04 01 20 52)		
Note: Includes mortar for pointing. Excludes removing mortar.		
04 01 20 52-0002 SF Clean And Repoint Brick Masonry	1.37	
04 01 20 52-0003 SF Clean And Repoint Concrete Block Masonry	0.91	
04 01 20 52-0004 SF Clean And Repoint Brick On Historic Buildings	1.77	
04 01 20 91 Unit Masonry Restoration (04 01 20)		
See CSI section 03 01 30 71-0052 for crack repair.		

04	Masonry
04 01	Maintenance Of Masonry
04 01 20	Maintenance Of Unit Masonry



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 01 20 91-0001	Cut And Repoint Masonry (04 01 20 91) Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.	
04 01 20 91-0002	SF Cut And Repoint Brick, Hard Intact Mortar, Running Bond	8.22
	For Common Bond, Add	0.21
	For Flemish Bond, Add	0.73
	For English Bond, Add	1.19
	For Oversized Or Larger Than Standard, Deduct	-1.23
	For >250 To 1,000, Deduct	-0.26
	For >1,000, Deduct	-0.67
04 01 20 91-0003	SF Cut And Repoint Brick, Soft, Loose Or Crumbling Mortar, Running Bond	6.38
	For Common Bond, Add	0.14
	For Flemish Bond, Add	0.49
	For English Bond, Add	0.81
	For Oversized Or Larger Than Standard, Deduct	-0.96
	For >250 To 1,000, Deduct	-0.18
	For >1,000, Deduct	-0.50
04 01 20 91-0004	SF Cut And Repoint Concrete Block, Hard Intact Mortar, Running Bond	5.29
	For Common Bond, Add	0.10
	For Oversized Or Larger Than Standard, Deduct	-0.79
	For >250 To 1,000, Deduct	-0.13
	For >1,000, Deduct	-0.40
04 01 20 91-0005	SF Cut And Repoint Concrete Block, Soft, Loose Or Crumbling Mortar, Running Bond	4.18
	For Common Bond, Add	0.07
	For Oversized Or Larger Than Standard, Deduct	-0.63
	For >250 To 1,000, Deduct	-0.09
	For >1,000, Deduct	-0.30
04 01 20 91-0006	LF Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area	1.85
04 01 20 91-0007	Cut And Caulk Masonry (04 01 20 91) Note: Remove existing mortar to 1/2" depth. Replace with caulk. Includes caulk, cutting, rinsing and cleaning joint.	
04 01 20 91-0008	LF Cut And Caulk Masonry, Butyl Caulks	3.57
	For Vertical Expansion Joint Material, Add	0.21
	For 3/4" Deep Cut, Add	1.07
04 01 20 91-0009	LF Cut And Caulk Masonry, Polysulfide Or Acrylic Caulks	4.36
	For Vertical Expansion Joint Material, Add	0.22
	For 3/4" Deep Cut, Add	1.31
04 01 20 91-0010	LF Cut And Caulk Masonry, Silicone Caulks	5.18
	For Vertical Expansion Joint Material, Add	0.26
	For 3/4" Deep Cut, Add	1.55
04 01 20 91-0011	Repair Masonry (04 01 20 91) Note: Includes mortar for repair.	
04 01 20 91-0012	SF Patch And Repair Terra Cotta Walls Or Coping, Including Replacement Of Damaged Material	11.22
04 01 20 91-0013	SF Patch And Repair Terra Cotta Floors, Including Replacement Of Damaged Material	10.41
04 01 20 91-0014	LF Chip And Repair With Masonry Patch, Cracks Up To 1/4"	2.56
04 01 20 91-0015	SF Patching Over Masonry Surface With Elastomeric Paint Using A Trowel 6" Blade	4.66
04 01 20 91-0016	LF Pressure Grout Block/Brick Using LA City RGA Rule Of General Application 1-91 (Portland Cement Base)	254.22
04 01 20 91-0017	LF Pressure Grout Block/Brick Master Builders RHEOCHEM 900 (Portland Cement Base)	72.53
04 01 20 91-0018	LF Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570)	19.73
	For Cracks Accessible From Both Sides, Add	4.00
04 01 20 91-0019	LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52)	17.75
	For Cracks Accessible From Both Sides, Add	4.00
04 01 20 91-0020	LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52)	4.84
	For V-Grooving Crack With Grinder, Add	3.45
04 01 20 91-0021	LF >1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52)	6.54
	For V-Grooving Crack With Grinder, Add	3.28
04 01 40	Maintenance of Stone Assemblies (04 01)	
04 01 40 52	Stone Cleaning (04 01 40)	
04 01 40 52-0001	Cleaning And Pointing Stone (04 01 40 52)	
04 01 40 52-0002	SF Clean And Repoint Limestone On Historic Buildings	1.50
04 01 40 52-0003	SF Clean And Repoint Marble, Tile, Stone Or Granite	1.29
04 01 40 91	Stone Restoration (04 01 40)	
04 01 40 91-0001	Cut And Repoint (04 01 40 91)	
04 01 40 91-0002	LF Cut And Repoint Stone Work	3.45
04 01 40 91-0003	Repair (04 01 40 91)	
04 01 40 91-0004	SF Repair Field Stone Walls, Including Remove Damaged Stones And Reset	24.35



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 40 91-0005	SF	Repair Molded Stone.....	2.28	
04 01 40 91-0006		Clean And Patch Existing Stonework (04 01 40 91) Note: Excludes cutting, drilling or anchor bolts if required.		
04 01 40 91-0007	SF	Clean And Patch Existing Stonework	2.93	
04 01 40 91-0008		Removal Of Deteriorated Stone (04 01 40 91) Note: Includes cutting of stone for removal.		
04 01 40 91-0009	SF	Removal Of Deteriorated Stone..... Note: Does not include material for stone replacement	5.13	
04 01 50		Maintenance of Refractory Masonry (04 01)		
04 01 50 52		Refractory Cleaning (04 01 50)		
04 01 50 52-0001		Chimney Cleaning (04 01 50 52)		
04 01 50 52-0002	LF	Up To 2 SF Cross Section Chimney Cleaning.....	4.20	
04 01 50 52-0003	LF	>2 To 4 SF Cross Section Chimney Cleaning	8.38	
04 01 50 52-0004	LF	>4 SF Cross Section Chimney Cleaning.....	12.57	
04 05		Common Work Results For Masonry (04)		
04 05 13		Masonry Mortaring (04 05)		
04 05 13 26		Engineered Masonry Mortaring (04 05 13) Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.		
04 05 13 26-0001		Masonry Cement Mortar (04 05 13 26) Note: Ratio is bag material to sand.		
04 05 13 26-0002	CF	Type M Masonry Cement 1:1:6 Mix	4.87	
04 05 13 26-0003	CF	Type N Masonry Cement 1:3 Mix	4.49	
04 05 13 26-0004	CF	Type O Masonry Cement 1:3 Mix	4.61	
04 05 13 26-0005	CF	Type PM Masonry Cement 1:1:6 Mix, 2,500 PSI.....	5.05	
04 05 13 26-0006	CF	Type S Masonry Cement 1/2:1:4 Mix.....	5.33	
04 05 13 26-0007		Mortar Admixture (04 05 13 26)		
04 05 13 26-0008	CF	Water - Repellent Stearate - Cost Based On CF Of Mortar	0.26	
04 05 13 26-0009	CF	Pozzolanic Plasticizers - Cost Based On CF Of Mortar	0.05	
04 05 13 26-0010		Color Admixtures For Mortar (04 05 13 26) Note: Costs are based on CF of mortar.		
04 05 13 26-0011	CF	Buff Colored Admixture.....	1.66	
04 05 13 26-0012	CF	Brown Colored Admixture.....	1.89	
04 05 13 26-0013	CF	Black Colored Admixture	2.33	
04 05 13 26-0014	CF	Red Colored Admixture	5.11	
04 05 13 26-0015		Portland Cement (04 05 13 26)		
04 05 13 26-0016	CF	Normal Portland Cement (Type I)	8.85	
04 05 13 26-0017	CF	Modified Portland Cement (Type II)	4.41	
04 05 13 26-0018	CF	High Early Strength (Type III)	4.69	
04 05 13 26-0019	CF	White Non Staining Portland Cement (Type I).....	9.81	
04 05 16		Masonry Grouting (04 05)		
04 05 16 26		Engineered Masonry Grouting (04 05 16) Note: Does not include reinforcement.		
04 05 16 26-0001		Bond Beams And Lintels, Concrete Fill (04 05 16 26) Note: Excludes block.		
04 05 16 26-0002	LF	Grout Beams And Lintels - 6" Block Concrete Fill Only, 0.1125 CF/LF, 8" Deep.....	2.59	
04 05 16 26-0003	LF	Grout Beams And Lintels - 8" Block Concrete Fill Only, 0.20 CF/LF, 8" Deep.....	2.83	
04 05 16 26-0004	LF	Grout Beams And Lintels - 10" Block Concrete Fill Only, 0.25 CF/LF, 8" Deep.....	3.17	
04 05 16 26-0005	LF	Grout Beams And Lintels, 12" Block Concrete Fill Only, 0.30 CF/LF, 8" Deep	3.55	
04 05 16 26-0006		Concrete Block Cores, Solid Filled (04 05 16 26) Note: Per SF of face area filled.		
04 05 16 26-0007	SF	Grout Concrete Block Cores- 4" Block Concrete Fill Block Solid (0.067 CF/SF)	2.00	
04 05 16 26-0008	SF	Grout Concrete Block Cores- 6" Block Concrete Fill Block Solid (0.175 CF/SF)	2.93	
04 05 16 26-0009	SF	Grout Concrete Block Cores- 8" Block Concrete Fill Block Solid (0.258 CF/SF)	4.19	
04 05 16 26-0010	SF	Grout Concrete Block Cores- 10" Block Concrete Fill Block Solid (0.34 CF/SF)	5.16	
04 05 16 26-0011	SF	Grout Concrete Block Cores- 12" Block Concrete Fill Block Solid (0.422 CF/SF)	6.09	

04 Masonry**04 05 Common Work Results For Masonry****04 05 16 Masonry Grouting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 16 26-0012	Cavity Walls <small>(04 05 16 26)</small>		
	Note: Per SF of face area filled.		
04 05 16 26-0013	SF Grout Cavity Walls - 2" Space Concrete Fill (0.167 CF/SF)		2.39
04 05 16 26-0014	SF Grout Cavity Walls - 3" Space Concrete Fill (0.250 CF/SF)		3.36
04 05 16 26-0015	SF Grout Cavity Walls - 4" Space Concrete Fill (0.333 CF/SF)		4.24
04 05 16 26-0016	SF Grout Cavity Walls - 6" Space Concrete Fill (0.500 CF/SF)		5.77

04 05 16 26-0017	Grouting Frames <small>(04 05 16 26)</small>		
04 05 16 26-0018	LF Grout Door Frames - Grout Fill		3.82
04 05 16 26-0019	LF Grout Window Frames - Grout Fill		3.28

04 05 16 26-0020	Sand Filled Walls <small>(04 05 16 26)</small>		
04 05 16 26-0021	Cavity Walls Sand Fill Concrete Block <small>(04 05 16 26-0020)</small>		
	Note: Per SF of face area filled.		
04 05 16 26-0022	SF Sand Fill Cavity Walls - 2" Space (0.167 CF/SF)		2.02
04 05 16 26-0023	SF Sand Fill Cavity Walls - 3" Space (0.250 CF/SF)		2.80
04 05 16 26-0024	SF Sand Fill Cavity Walls - 4" Space (0.333 CF/SF)		3.47
04 05 16 26-0025	SF Sand Fill Cavity Walls - 6" Space (0.500 CF/SF)		4.67

04 05 19 Masonry Anchorage And Reinforcing (04 05)**04 05 19 13 Continuous Joint Reinforcing** (04 05 19)

Note: Includes cutting and bending.

04 05 19 13-0001	Continuous Joint Reinforcing <small>(04 05 19 13)</small>		
04 05 19 13-0002	Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0001)</small>		
04 05 19 13-0003	Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0004	9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0005	CLF #4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement		28.54
	For Class 1 Mill Galvanized, Add		1.37
	For Class 2 Mill Galvanized, Add		2.06
	For Hot-Dipped Galvanized, Add		3.43
	For Stainless Steel, Add		13.72
	For Cavity Drip, Add		0.50
	For 3-Wire, Add		8.75
	For Double Side Rods, Add		17.50
04 05 19 13-0006	CLF #6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement		30.35
	For Class 1 Mill Galvanized, Add		1.44
	For Class 2 Mill Galvanized, Add		2.16
	For Hot-Dipped Galvanized, Add		3.60
	For Stainless Steel, Add		14.40
	For Cavity Drip, Add		0.50
	For 3-Wire, Add		8.75
	For Double Side Rods, Add		17.50
04 05 19 13-0007	CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement		32.86
	For Class 1 Mill Galvanized, Add		1.52
	For Class 2 Mill Galvanized, Add		2.28
	For Hot-Dipped Galvanized, Add		3.80
	For Stainless Steel, Add		15.18
	For Cavity Drip, Add		0.50
	For 3-Wire, Add		8.75
	For Double Side Rods, Add		17.50
04 05 19 13-0008	CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement		35.82
	For Class 1 Mill Galvanized, Add		1.61
	For Class 2 Mill Galvanized, Add		2.41
	For Hot-Dipped Galvanized, Add		4.02
	For Stainless Steel, Add		16.06
	For Cavity Drip, Add		0.50
	For 3-Wire, Add		8.75
	For Double Side Rods, Add		17.50
04 05 19 13-0009	CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement		39.34
	For Class 1 Mill Galvanized, Add		1.69
	For Class 2 Mill Galvanized, Add		2.54
	For Hot-Dipped Galvanized, Add		4.23
	For Stainless Steel, Add		16.92
	For Cavity Drip, Add		0.50
	For 3-Wire, Add		8.75
	For Double Side Rods, Add		17.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0010 CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	42.01	
<i>For Class 1 Mill Galvanized, Add</i>	1.73	
<i>For Class 2 Mill Galvanized, Add</i>	2.60	
<i>For Hot-Dipped Galvanized, Add</i>	4.34	
<i>For Stainless Steel, Add</i>	17.34	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0011 CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	43.92	
<i>For Class 1 Mill Galvanized, Add</i>	1.78	
<i>For Class 2 Mill Galvanized, Add</i>	2.67	
<i>For Hot-Dipped Galvanized, Add</i>	4.46	
<i>For Stainless Steel, Add</i>	17.82	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0012 CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	49.49	
<i>For Class 1 Mill Galvanized, Add</i>	2.45	
<i>For Class 2 Mill Galvanized, Add</i>	3.68	
<i>For Hot-Dipped Galvanized, Add</i>	6.13	
<i>For Stainless Steel, Add</i>	24.50	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0013 CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	58.40	
<i>For Class 1 Mill Galvanized, Add</i>	3.79	
<i>For Class 2 Mill Galvanized, Add</i>	5.68	
<i>For Hot-Dipped Galvanized, Add</i>	9.47	
<i>For Stainless Steel, Add</i>	37.88	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0014 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0015 CLF #4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	32.34	
<i>For Class 1 Mill Galvanized, Add</i>	2.13	
<i>For Class 2 Mill Galvanized, Add</i>	3.20	
<i>For Hot-Dipped Galvanized, Add</i>	5.33	
<i>For Stainless Steel, Add</i>	21.32	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0016 CLF #6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	34.20	
<i>For Class 1 Mill Galvanized, Add</i>	2.21	
<i>For Class 2 Mill Galvanized, Add</i>	3.32	
<i>For Hot-Dipped Galvanized, Add</i>	5.53	
<i>For Stainless Steel, Add</i>	22.10	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0017 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	36.75	
<i>For Class 1 Mill Galvanized, Add</i>	2.30	
<i>For Class 2 Mill Galvanized, Add</i>	3.44	
<i>For Hot-Dipped Galvanized, Add</i>	5.74	
<i>For Stainless Steel, Add</i>	22.96	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0018 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	39.67	
<i>For Class 1 Mill Galvanized, Add</i>	2.38	
<i>For Class 2 Mill Galvanized, Add</i>	3.56	
<i>For Hot-Dipped Galvanized, Add</i>	5.94	
<i>For Stainless Steel, Add</i>	23.76	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0019 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	43.18	
<i>For Class 1 Mill Galvanized, Add</i>	2.46	
<i>For Class 2 Mill Galvanized, Add</i>	3.69	
<i>For Hot-Dipped Galvanized, Add</i>	6.15	
<i>For Stainless Steel, Add</i>	24.60	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0020 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	45.87	
For Class 1 Mill Galvanized, Add	2.51	
For Class 2 Mill Galvanized, Add	3.76	
For Hot-Dipped Galvanized, Add	6.27	
For Stainless Steel, Add	25.06	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0021 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	47.76	
For Class 1 Mill Galvanized, Add	2.55	
For Class 2 Mill Galvanized, Add	3.82	
For Hot-Dipped Galvanized, Add	6.37	
For Stainless Steel, Add	25.48	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0022 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	54.55	
For Class 1 Mill Galvanized, Add	3.46	
For Class 2 Mill Galvanized, Add	5.19	
For Hot-Dipped Galvanized, Add	8.66	
For Stainless Steel, Add	34.62	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0023 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	67.07	
For Class 1 Mill Galvanized, Add	5.52	
For Class 2 Mill Galvanized, Add	8.29	
For Hot-Dipped Galvanized, Add	13.81	
For Stainless Steel, Add	55.24	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0024 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0025 CLF #4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	36.02	
For Class 1 Mill Galvanized, Add	2.87	
For Class 2 Mill Galvanized, Add	4.30	
For Hot-Dipped Galvanized, Add	7.17	
For Stainless Steel, Add	28.68	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0026 CLF #6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	38.48	
For Class 1 Mill Galvanized, Add	3.03	
For Class 2 Mill Galvanized, Add	4.54	
For Hot-Dipped Galvanized, Add	7.57	
For Stainless Steel, Add	30.26	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0027 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	40.94	
For Class 1 Mill Galvanized, Add	3.18	
For Class 2 Mill Galvanized, Add	4.78	
For Hot-Dipped Galvanized, Add	7.96	
For Stainless Steel, Add	31.84	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0028 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	44.65	
For Class 1 Mill Galvanized, Add	3.37	
For Class 2 Mill Galvanized, Add	5.06	
For Hot-Dipped Galvanized, Add	8.43	
For Stainless Steel, Add	33.72	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0029 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	48.37	
For Class 1 Mill Galvanized, Add	3.56	
For Class 2 Mill Galvanized, Add	5.34	
For Hot-Dipped Galvanized, Add	8.90	
For Stainless Steel, Add	35.60	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0030 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	51.65	
<i>For Class 1 Mill Galvanized, Add</i>	3.66	
<i>For Class 2 Mill Galvanized, Add</i>	5.49	
<i>For Hot-Dipped Galvanized, Add</i>	9.15	
<i>For Stainless Steel, Add</i>	36.60	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0031 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	53.47	
<i>For Class 1 Mill Galvanized, Add</i>	3.75	
<i>For Class 2 Mill Galvanized, Add</i>	5.62	
<i>For Hot-Dipped Galvanized, Add</i>	9.37	
<i>For Stainless Steel, Add</i>	37.46	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0032 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	56.83	
<i>For Class 1 Mill Galvanized, Add</i>	3.92	
<i>For Class 2 Mill Galvanized, Add</i>	5.88	
<i>For Hot-Dipped Galvanized, Add</i>	9.80	
<i>For Stainless Steel, Add</i>	39.18	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0033 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	72.01	
<i>For Class 1 Mill Galvanized, Add</i>	6.51	
<i>For Class 2 Mill Galvanized, Add</i>	9.77	
<i>For Hot-Dipped Galvanized, Add</i>	16.28	
<i>For Stainless Steel, Add</i>	65.10	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0034 Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0035 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0034)</small>		
04 05 19 13-0036 CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	39.80	
<i>For Class 1 Mill Galvanized, Add</i>	2.33	
<i>For Class 2 Mill Galvanized, Add</i>	3.50	
<i>For Hot-Dipped Galvanized, Add</i>	5.83	
<i>For Stainless Steel, Add</i>	23.32	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0037 CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	43.99	
<i>For Class 1 Mill Galvanized, Add</i>	2.55	
<i>For Class 2 Mill Galvanized, Add</i>	3.82	
<i>For Hot-Dipped Galvanized, Add</i>	6.37	
<i>For Stainless Steel, Add</i>	25.46	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0038 CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	48.06	
<i>For Class 1 Mill Galvanized, Add</i>	2.73	
<i>For Class 2 Mill Galvanized, Add</i>	4.10	
<i>For Hot-Dipped Galvanized, Add</i>	6.84	
<i>For Stainless Steel, Add</i>	27.34	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0039 CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	51.74	
<i>For Class 1 Mill Galvanized, Add</i>	2.84	
<i>For Class 2 Mill Galvanized, Add</i>	4.27	
<i>For Hot-Dipped Galvanized, Add</i>	7.11	
<i>For Stainless Steel, Add</i>	28.44	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0040 CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	53.80	
<i>For Class 1 Mill Galvanized, Add</i>	2.94	
<i>For Class 2 Mill Galvanized, Add</i>	4.42	
<i>For Hot-Dipped Galvanized, Add</i>	7.36	
<i>For Stainless Steel, Add</i>	29.44	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0041 CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	57.73	
<i>For Class 1 Mill Galvanized, Add</i>	3.17	
<i>For Class 2 Mill Galvanized, Add</i>	4.75	
<i>For Hot-Dipped Galvanized, Add</i>	7.92	
<i>For Stainless Steel, Add</i>	31.68	
<i>For Cavity Drip, Add</i>	0.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0042	CLF		#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	61.17	
			<i>For Class 1 Mill Galvanized, Add</i>	3.35	
			<i>For Class 2 Mill Galvanized, Add</i>	5.03	
			<i>For Hot-Dipped Galvanized, Add</i>	8.39	
			<i>For Stainless Steel, Add</i>	33.54	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0043			3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		
			<small>(04 05 19 13-0034)</small>		
04 05 19 13-0044	CLF		#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	44.53	
			<i>For Class 1 Mill Galvanized, Add</i>	3.28	
			<i>For Class 2 Mill Galvanized, Add</i>	4.92	
			<i>For Hot-Dipped Galvanized, Add</i>	8.20	
			<i>For Stainless Steel, Add</i>	32.78	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0045	CLF		#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	48.73	
			<i>For Class 1 Mill Galvanized, Add</i>	3.49	
			<i>For Class 2 Mill Galvanized, Add</i>	5.24	
			<i>For Hot-Dipped Galvanized, Add</i>	8.74	
			<i>For Stainless Steel, Add</i>	34.94	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0046	CLF		#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	52.75	
			<i>For Class 1 Mill Galvanized, Add</i>	3.67	
			<i>For Class 2 Mill Galvanized, Add</i>	5.51	
			<i>For Hot-Dipped Galvanized, Add</i>	9.18	
			<i>For Stainless Steel, Add</i>	36.72	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0047	CLF		#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	56.48	
			<i>For Class 1 Mill Galvanized, Add</i>	3.79	
			<i>For Class 2 Mill Galvanized, Add</i>	5.69	
			<i>For Hot-Dipped Galvanized, Add</i>	9.48	
			<i>For Stainless Steel, Add</i>	37.92	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0048	CLF		#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	58.54	
			<i>For Class 1 Mill Galvanized, Add</i>	3.89	
			<i>For Class 2 Mill Galvanized, Add</i>	5.84	
			<i>For Hot-Dipped Galvanized, Add</i>	9.73	
			<i>For Stainless Steel, Add</i>	38.92	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0049	CLF		#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	62.47	
			<i>For Class 1 Mill Galvanized, Add</i>	4.12	
			<i>For Class 2 Mill Galvanized, Add</i>	6.17	
			<i>For Hot-Dipped Galvanized, Add</i>	10.29	
			<i>For Stainless Steel, Add</i>	41.16	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0050	CLF		#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	65.97	
			<i>For Class 1 Mill Galvanized, Add</i>	4.31	
			<i>For Class 2 Mill Galvanized, Add</i>	6.47	
			<i>For Hot-Dipped Galvanized, Add</i>	10.79	
			<i>For Stainless Steel, Add</i>	43.14	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0051			3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		
			<small>(04 05 19 13-0034)</small>		
04 05 19 13-0052	CLF		#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	46.83	
			<i>For Class 1 Mill Galvanized, Add</i>	3.74	
			<i>For Class 2 Mill Galvanized, Add</i>	5.61	
			<i>For Hot-Dipped Galvanized, Add</i>	9.35	
			<i>For Stainless Steel, Add</i>	37.38	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0053	CLF		#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	51.58	
			<i>For Class 1 Mill Galvanized, Add</i>	4.06	
			<i>For Class 2 Mill Galvanized, Add</i>	6.10	
			<i>For Hot-Dipped Galvanized, Add</i>	10.16	
			<i>For Stainless Steel, Add</i>	40.64	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0054	CLF		#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	56.30	
			<i>For Class 1 Mill Galvanized, Add</i>	4.38	
			<i>For Class 2 Mill Galvanized, Add</i>	6.57	
			<i>For Hot-Dipped Galvanized, Add</i>	10.96	
			<i>For Stainless Steel, Add</i>	43.82	
			<i>For Cavity Drip, Add</i>	0.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0055 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	60.28	
<i>For Class 1 Mill Galvanized, Add</i>	4.55	
<i>For Class 2 Mill Galvanized, Add</i>	6.83	
<i>For Hot-Dipped Galvanized, Add</i>	11.38	
<i>For Stainless Steel, Add</i>	45.52	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0056 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	62.62	
<i>For Class 1 Mill Galvanized, Add</i>	4.71	
<i>For Class 2 Mill Galvanized, Add</i>	7.06	
<i>For Hot-Dipped Galvanized, Add</i>	11.77	
<i>For Stainless Steel, Add</i>	47.08	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0057 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	67.09	
<i>For Class 1 Mill Galvanized, Add</i>	5.04	
<i>For Class 2 Mill Galvanized, Add</i>	7.56	
<i>For Hot-Dipped Galvanized, Add</i>	12.60	
<i>For Stainless Steel, Add</i>	50.40	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0058 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	71.23	
<i>For Class 1 Mill Galvanized, Add</i>	5.37	
<i>For Class 2 Mill Galvanized, Add</i>	8.05	
<i>For Hot-Dipped Galvanized, Add</i>	13.42	
<i>For Stainless Steel, Add</i>	53.66	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0059 Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0060 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0059)</small>		
04 05 19 13-0061 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	52.54	
<i>For Class 1 Mill Galvanized, Add</i>	4.88	
<i>For Class 2 Mill Galvanized, Add</i>	7.32	
<i>For Hot-Dipped Galvanized, Add</i>	12.20	
<i>For Stainless Steel, Add</i>	48.80	
04 05 19 13-0062 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	56.41	
<i>For Class 1 Mill Galvanized, Add</i>	5.03	
<i>For Class 2 Mill Galvanized, Add</i>	7.55	
<i>For Hot-Dipped Galvanized, Add</i>	12.58	
<i>For Stainless Steel, Add</i>	50.30	
04 05 19 13-0063 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	60.29	
<i>For Class 1 Mill Galvanized, Add</i>	5.18	
<i>For Class 2 Mill Galvanized, Add</i>	7.77	
<i>For Hot-Dipped Galvanized, Add</i>	12.95	
<i>For Stainless Steel, Add</i>	51.80	
04 05 19 13-0064 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	65.82	
<i>For Class 1 Mill Galvanized, Add</i>	5.35	
<i>For Class 2 Mill Galvanized, Add</i>	8.02	
<i>For Hot-Dipped Galvanized, Add</i>	13.37	
<i>For Stainless Steel, Add</i>	53.48	
04 05 19 13-0065 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	69.47	
<i>For Class 1 Mill Galvanized, Add</i>	5.52	
<i>For Class 2 Mill Galvanized, Add</i>	8.27	
<i>For Hot-Dipped Galvanized, Add</i>	13.79	
<i>For Stainless Steel, Add</i>	55.16	
04 05 19 13-0066 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	73.26	
<i>For Class 1 Mill Galvanized, Add</i>	5.77	
<i>For Class 2 Mill Galvanized, Add</i>	8.66	
<i>For Hot-Dipped Galvanized, Add</i>	14.43	
<i>For Stainless Steel, Add</i>	57.72	
04 05 19 13-0067 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0059)</small>		
04 05 19 13-0068 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	59.97	
<i>For Class 1 Mill Galvanized, Add</i>	6.37	
<i>For Class 2 Mill Galvanized, Add</i>	9.55	
<i>For Hot-Dipped Galvanized, Add</i>	15.92	
<i>For Stainless Steel, Add</i>	63.66	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0069	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	63.84	
			<i>For Class 1 Mill Galvanized, Add</i>	6.52	
			<i>For Class 2 Mill Galvanized, Add</i>	9.77	
			<i>For Hot-Dipped Galvanized, Add</i>	16.29	
			<i>For Stainless Steel, Add</i>	65.16	
04 05 19 13-0070	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	67.82	
			<i>For Class 1 Mill Galvanized, Add</i>	6.69	
			<i>For Class 2 Mill Galvanized, Add</i>	10.03	
			<i>For Hot-Dipped Galvanized, Add</i>	16.72	
			<i>For Stainless Steel, Add</i>	66.86	
04 05 19 13-0071	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	73.26	
			<i>For Class 1 Mill Galvanized, Add</i>	6.84	
			<i>For Class 2 Mill Galvanized, Add</i>	10.25	
			<i>For Hot-Dipped Galvanized, Add</i>	17.09	
			<i>For Stainless Steel, Add</i>	68.36	
04 05 19 13-0072	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	76.92	
			<i>For Class 1 Mill Galvanized, Add</i>	7.01	
			<i>For Class 2 Mill Galvanized, Add</i>	10.51	
			<i>For Hot-Dipped Galvanized, Add</i>	17.52	
			<i>For Stainless Steel, Add</i>	70.06	
04 05 19 13-0073	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	80.28	
			<i>For Class 1 Mill Galvanized, Add</i>	7.18	
			<i>For Class 2 Mill Galvanized, Add</i>	10.76	
			<i>For Hot-Dipped Galvanized, Add</i>	17.94	
			<i>For Stainless Steel, Add</i>	71.76	
04 05 19 13-0074			3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0059)</small>		
04 05 19 13-0075	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	60.51	
			<i>For Class 1 Mill Galvanized, Add</i>	6.47	
			<i>For Class 2 Mill Galvanized, Add</i>	9.71	
			<i>For Hot-Dipped Galvanized, Add</i>	16.19	
			<i>For Stainless Steel, Add</i>	64.74	
04 05 19 13-0076	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	64.80	
			<i>For Class 1 Mill Galvanized, Add</i>	6.71	
			<i>For Class 2 Mill Galvanized, Add</i>	10.06	
			<i>For Hot-Dipped Galvanized, Add</i>	16.77	
			<i>For Stainless Steel, Add</i>	67.08	
04 05 19 13-0077	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	69.08	
			<i>For Class 1 Mill Galvanized, Add</i>	6.94	
			<i>For Class 2 Mill Galvanized, Add</i>	10.41	
			<i>For Hot-Dipped Galvanized, Add</i>	17.35	
			<i>For Stainless Steel, Add</i>	69.38	
04 05 19 13-0078	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	75.17	
			<i>For Class 1 Mill Galvanized, Add</i>	7.22	
			<i>For Class 2 Mill Galvanized, Add</i>	10.83	
			<i>For Hot-Dipped Galvanized, Add</i>	18.05	
			<i>For Stainless Steel, Add</i>	72.18	
04 05 19 13-0079	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	79.36	
			<i>For Class 1 Mill Galvanized, Add</i>	7.49	
			<i>For Class 2 Mill Galvanized, Add</i>	11.24	
			<i>For Hot-Dipped Galvanized, Add</i>	18.74	
			<i>For Stainless Steel, Add</i>	74.94	
04 05 19 13-0080	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	83.25	
			<i>For Class 1 Mill Galvanized, Add</i>	7.77	
			<i>For Class 2 Mill Galvanized, Add</i>	11.66	
			<i>For Hot-Dipped Galvanized, Add</i>	19.43	
			<i>For Stainless Steel, Add</i>	77.70	
04 05 19 13-0081			Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0082			9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0081)</small>		
04 05 19 13-0083	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	57.05	
			<i>For Class 1 Mill Galvanized, Add</i>	5.16	
			<i>For Class 2 Mill Galvanized, Add</i>	7.74	
			<i>For Hot-Dipped Galvanized, Add</i>	12.90	
			<i>For Stainless Steel, Add</i>	51.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0084 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	60.91	
<i>For Class 1 Mill Galvanized, Add</i>	5.30	
<i>For Class 2 Mill Galvanized, Add</i>	7.96	
<i>For Hot-Dipped Galvanized, Add</i>	13.26	
<i>For Stainless Steel, Add</i>	53.04	
04 05 19 13-0085 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	66.34	
<i>For Class 1 Mill Galvanized, Add</i>	5.45	
<i>For Class 2 Mill Galvanized, Add</i>	8.18	
<i>For Hot-Dipped Galvanized, Add</i>	13.63	
<i>For Stainless Steel, Add</i>	54.52	
04 05 19 13-0086 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	70.02	
<i>For Class 1 Mill Galvanized, Add</i>	5.63	
<i>For Class 2 Mill Galvanized, Add</i>	8.44	
<i>For Hot-Dipped Galvanized, Add</i>	14.07	
<i>For Stainless Steel, Add</i>	56.26	
04 05 19 13-0087 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	73.37	
<i>For Class 1 Mill Galvanized, Add</i>	5.79	
<i>For Class 2 Mill Galvanized, Add</i>	8.69	
<i>For Hot-Dipped Galvanized, Add</i>	14.49	
<i>For Stainless Steel, Add</i>	57.94	
04 05 19 13-0088 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	76.80	
<i>For Class 1 Mill Galvanized, Add</i>	6.13	
<i>For Class 2 Mill Galvanized, Add</i>	9.20	
<i>For Hot-Dipped Galvanized, Add</i>	15.33	
<i>For Stainless Steel, Add</i>	61.32	
04 05 19 13-0089 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0081)		
04 05 19 13-0090 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	64.48	
<i>For Class 1 Mill Galvanized, Add</i>	6.64	
<i>For Class 2 Mill Galvanized, Add</i>	9.97	
<i>For Hot-Dipped Galvanized, Add</i>	16.61	
<i>For Stainless Steel, Add</i>	66.44	
04 05 19 13-0091 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	68.36	
<i>For Class 1 Mill Galvanized, Add</i>	6.79	
<i>For Class 2 Mill Galvanized, Add</i>	10.19	
<i>For Hot-Dipped Galvanized, Add</i>	16.99	
<i>For Stainless Steel, Add</i>	67.94	
04 05 19 13-0092 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	73.89	
<i>For Class 1 Mill Galvanized, Add</i>	6.96	
<i>For Class 2 Mill Galvanized, Add</i>	10.44	
<i>For Hot-Dipped Galvanized, Add</i>	17.41	
<i>For Stainless Steel, Add</i>	69.62	
04 05 19 13-0093 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	77.44	
<i>For Class 1 Mill Galvanized, Add</i>	7.11	
<i>For Class 2 Mill Galvanized, Add</i>	10.67	
<i>For Hot-Dipped Galvanized, Add</i>	17.78	
<i>For Stainless Steel, Add</i>	71.10	
04 05 19 13-0094 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	80.80	
<i>For Class 1 Mill Galvanized, Add</i>	7.28	
<i>For Class 2 Mill Galvanized, Add</i>	10.92	
<i>For Hot-Dipped Galvanized, Add</i>	18.20	
<i>For Stainless Steel, Add</i>	72.80	
04 05 19 13-0095 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	84.33	
<i>For Class 1 Mill Galvanized, Add</i>	7.64	
<i>For Class 2 Mill Galvanized, Add</i>	11.46	
<i>For Hot-Dipped Galvanized, Add</i>	19.10	
<i>For Stainless Steel, Add</i>	76.38	
04 05 19 13-0096 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0081)		
04 05 19 13-0097 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	65.01	
<i>For Class 1 Mill Galvanized, Add</i>	6.75	
<i>For Class 2 Mill Galvanized, Add</i>	10.13	
<i>For Hot-Dipped Galvanized, Add</i>	16.88	
<i>For Stainless Steel, Add</i>	67.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0098 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	69.30	
For Class 1 Mill Galvanized, Add	6.98	
For Class 2 Mill Galvanized, Add	10.47	
For Hot-Dipped Galvanized, Add	17.46	
For Stainless Steel, Add	69.82	
04 05 19 13-0099 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	75.17	
For Class 1 Mill Galvanized, Add	7.22	
For Class 2 Mill Galvanized, Add	10.83	
For Hot-Dipped Galvanized, Add	18.05	
For Stainless Steel, Add	72.18	
04 05 19 13-0100 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	79.36	
For Class 1 Mill Galvanized, Add	7.49	
For Class 2 Mill Galvanized, Add	11.24	
For Hot-Dipped Galvanized, Add	18.74	
For Stainless Steel, Add	74.94	
04 05 19 13-0101 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	83.25	
For Class 1 Mill Galvanized, Add	7.77	
For Class 2 Mill Galvanized, Add	11.66	
For Hot-Dipped Galvanized, Add	19.43	
For Stainless Steel, Add	77.70	
04 05 19 13-0102 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	86.96	
For Class 1 Mill Galvanized, Add	8.16	
For Class 2 Mill Galvanized, Add	12.25	
For Hot-Dipped Galvanized, Add	20.41	
For Stainless Steel, Add	81.64	
04 05 19 13-0103 Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0002)		
04 05 19 13-0104 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0103)		
04 05 19 13-0105 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	54.60	
For Class 1 Mill Galvanized, Add	4.67	
For Class 2 Mill Galvanized, Add	7.00	
For Hot-Dipped Galvanized, Add	11.67	
For Stainless Steel, Add	46.68	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0106 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	58.34	
For Class 1 Mill Galvanized, Add	4.79	
For Class 2 Mill Galvanized, Add	7.19	
For Hot-Dipped Galvanized, Add	11.98	
For Stainless Steel, Add	47.90	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0107 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	63.68	
For Class 1 Mill Galvanized, Add	4.92	
For Class 2 Mill Galvanized, Add	7.38	
For Hot-Dipped Galvanized, Add	12.30	
For Stainless Steel, Add	49.20	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0108 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	67.18	
For Class 1 Mill Galvanized, Add	5.06	
For Class 2 Mill Galvanized, Add	7.59	
For Hot-Dipped Galvanized, Add	12.65	
For Stainless Steel, Add	50.58	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0109 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	70.42	
For Class 1 Mill Galvanized, Add	5.20	
For Class 2 Mill Galvanized, Add	7.81	
For Hot-Dipped Galvanized, Add	13.01	
For Stainless Steel, Add	52.04	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0110 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	72.81	
For Class 1 Mill Galvanized, Add	5.33	
For Class 2 Mill Galvanized, Add	8.00	
For Hot-Dipped Galvanized, Add	13.34	
For Stainless Steel, Add	53.34	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0111 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0103)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0112 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	61.57	
<i>For Class 1 Mill Galvanized, Add</i>	6.06	
<i>For Class 2 Mill Galvanized, Add</i>	9.09	
<i>For Hot-Dipped Galvanized, Add</i>	15.16	
<i>For Stainless Steel, Add</i>	60.62	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0113 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	65.18	
<i>For Class 1 Mill Galvanized, Add</i>	6.16	
<i>For Class 2 Mill Galvanized, Add</i>	9.24	
<i>For Hot-Dipped Galvanized, Add</i>	15.40	
<i>For Stainless Steel, Add</i>	61.58	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0114 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	70.54	
<i>For Class 1 Mill Galvanized, Add</i>	6.29	
<i>For Class 2 Mill Galvanized, Add</i>	9.44	
<i>For Hot-Dipped Galvanized, Add</i>	15.73	
<i>For Stainless Steel, Add</i>	62.92	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0115 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	74.00	
<i>For Class 1 Mill Galvanized, Add</i>	6.42	
<i>For Class 2 Mill Galvanized, Add</i>	9.63	
<i>For Hot-Dipped Galvanized, Add</i>	16.06	
<i>For Stainless Steel, Add</i>	64.22	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0116 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	77.16	
<i>For Class 1 Mill Galvanized, Add</i>	6.55	
<i>For Class 2 Mill Galvanized, Add</i>	9.83	
<i>For Hot-Dipped Galvanized, Add</i>	16.38	
<i>For Stainless Steel, Add</i>	65.52	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0117 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	80.31	
<i>For Class 1 Mill Galvanized, Add</i>	6.83	
<i>For Class 2 Mill Galvanized, Add</i>	10.25	
<i>For Hot-Dipped Galvanized, Add</i>	17.09	
<i>For Stainless Steel, Add</i>	68.34	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0118 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0103)		
04 05 19 13-0119 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	62.09	
<i>For Class 1 Mill Galvanized, Add</i>	6.17	
<i>For Class 2 Mill Galvanized, Add</i>	9.25	
<i>For Hot-Dipped Galvanized, Add</i>	15.42	
<i>For Stainless Steel, Add</i>	61.66	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0120 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	66.33	
<i>For Class 1 Mill Galvanized, Add</i>	6.39	
<i>For Class 2 Mill Galvanized, Add</i>	9.58	
<i>For Hot-Dipped Galvanized, Add</i>	15.97	
<i>For Stainless Steel, Add</i>	63.88	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0121 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	72.12	
<i>For Class 1 Mill Galvanized, Add</i>	6.61	
<i>For Class 2 Mill Galvanized, Add</i>	9.91	
<i>For Hot-Dipped Galvanized, Add</i>	16.52	
<i>For Stainless Steel, Add</i>	66.08	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0122 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	76.26	
<i>For Class 1 Mill Galvanized, Add</i>	6.87	
<i>For Class 2 Mill Galvanized, Add</i>	10.31	
<i>For Hot-Dipped Galvanized, Add</i>	17.19	
<i>For Stainless Steel, Add</i>	68.74	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0123 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	80.09	
<i>For Class 1 Mill Galvanized, Add</i>	7.14	
<i>For Class 2 Mill Galvanized, Add</i>	10.71	
<i>For Hot-Dipped Galvanized, Add</i>	17.85	
<i>For Stainless Steel, Add</i>	71.38	
<i>For Seismic Hook And Eye, Add</i>	27.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0124	CLF		#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	83.14	
			<i>For Class 1 Mill Galvanized, Add</i>	7.40	
			<i>For Class 2 Mill Galvanized, Add</i>	11.10	
			<i>For Hot-Dipped Galvanized, Add</i>	18.50	
			<i>For Stainless Steel, Add</i>	74.00	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0125			Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0126			9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0125)</small>		
04 05 19 13-0127	CLF		#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	59.12	
			<i>For Class 1 Mill Galvanized, Add</i>	4.95	
			<i>For Class 2 Mill Galvanized, Add</i>	7.42	
			<i>For Hot-Dipped Galvanized, Add</i>	12.37	
			<i>For Stainless Steel, Add</i>	49.46	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0128	CLF		#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	64.41	
			<i>For Class 1 Mill Galvanized, Add</i>	5.07	
			<i>For Class 2 Mill Galvanized, Add</i>	7.60	
			<i>For Hot-Dipped Galvanized, Add</i>	12.67	
			<i>For Stainless Steel, Add</i>	50.66	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0129	CLF		#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	67.81	
			<i>For Class 1 Mill Galvanized, Add</i>	5.18	
			<i>For Class 2 Mill Galvanized, Add</i>	7.78	
			<i>For Hot-Dipped Galvanized, Add</i>	12.96	
			<i>For Stainless Steel, Add</i>	51.84	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0130	CLF		#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	71.09	
			<i>For Class 1 Mill Galvanized, Add</i>	5.34	
			<i>For Class 2 Mill Galvanized, Add</i>	8.01	
			<i>For Hot-Dipped Galvanized, Add</i>	13.35	
			<i>For Stainless Steel, Add</i>	53.38	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0131	CLF		#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	73.52	
			<i>For Class 1 Mill Galvanized, Add</i>	5.48	
			<i>For Class 2 Mill Galvanized, Add</i>	8.21	
			<i>For Hot-Dipped Galvanized, Add</i>	13.69	
			<i>For Stainless Steel, Add</i>	54.76	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0132			3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0125)</small>		
04 05 19 13-0133	CLF		#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	65.84	
			<i>For Class 1 Mill Galvanized, Add</i>	6.29	
			<i>For Class 2 Mill Galvanized, Add</i>	9.44	
			<i>For Hot-Dipped Galvanized, Add</i>	15.73	
			<i>For Stainless Steel, Add</i>	62.90	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0134	CLF		#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	71.18	
			<i>For Class 1 Mill Galvanized, Add</i>	6.42	
			<i>For Class 2 Mill Galvanized, Add</i>	9.63	
			<i>For Hot-Dipped Galvanized, Add</i>	16.05	
			<i>For Stainless Steel, Add</i>	64.20	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0135	CLF		#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	74.68	
			<i>For Class 1 Mill Galvanized, Add</i>	6.56	
			<i>For Class 2 Mill Galvanized, Add</i>	9.84	
			<i>For Hot-Dipped Galvanized, Add</i>	16.40	
			<i>For Stainless Steel, Add</i>	65.58	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0136	CLF		#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	77.75	
			<i>For Class 1 Mill Galvanized, Add</i>	6.67	
			<i>For Class 2 Mill Galvanized, Add</i>	10.01	
			<i>For Hot-Dipped Galvanized, Add</i>	16.68	
			<i>For Stainless Steel, Add</i>	66.70	
			<i>For Seismic Hook And Eye, Add</i>	27.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0137 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	80.24	
<i>For Class 1 Mill Galvanized, Add</i>	6.82	
<i>For Class 2 Mill Galvanized, Add</i>	10.23	
<i>For Hot-Dipped Galvanized, Add</i>	17.05	
<i>For Stainless Steel, Add</i>	68.20	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0138 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0125)</small>		
04 05 19 13-0139 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	66.53	
<i>For Class 1 Mill Galvanized, Add</i>	6.43	
<i>For Class 2 Mill Galvanized, Add</i>	9.64	
<i>For Hot-Dipped Galvanized, Add</i>	16.07	
<i>For Stainless Steel, Add</i>	64.28	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0140 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	72.33	
<i>For Class 1 Mill Galvanized, Add</i>	6.65	
<i>For Class 2 Mill Galvanized, Add</i>	9.98	
<i>For Hot-Dipped Galvanized, Add</i>	16.63	
<i>For Stainless Steel, Add</i>	66.50	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0141 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	76.26	
<i>For Class 1 Mill Galvanized, Add</i>	6.87	
<i>For Class 2 Mill Galvanized, Add</i>	10.31	
<i>For Hot-Dipped Galvanized, Add</i>	17.19	
<i>For Stainless Steel, Add</i>	68.74	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0142 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	80.09	
<i>For Class 1 Mill Galvanized, Add</i>	7.14	
<i>For Class 2 Mill Galvanized, Add</i>	10.71	
<i>For Hot-Dipped Galvanized, Add</i>	17.85	
<i>For Stainless Steel, Add</i>	71.38	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0143 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	83.14	
<i>For Class 1 Mill Galvanized, Add</i>	7.40	
<i>For Class 2 Mill Galvanized, Add</i>	11.10	
<i>For Hot-Dipped Galvanized, Add</i>	18.50	
<i>For Stainless Steel, Add</i>	74.00	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0144 Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0001)</small>		
04 05 19 13-0145 Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0144)</small>		
04 05 19 13-0146 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0145)</small>		
04 05 19 13-0147 CLF #4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	31.40	
<i>For Class 1 Mill Galvanized, Add</i>	1.94	
<i>For Class 2 Mill Galvanized, Add</i>	2.92	
<i>For Hot-Dipped Galvanized, Add</i>	4.86	
<i>For Stainless Steel, Add</i>	19.44	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0148 CLF #6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	32.98	
<i>For Class 1 Mill Galvanized, Add</i>	1.97	
<i>For Class 2 Mill Galvanized, Add</i>	2.95	
<i>For Hot-Dipped Galvanized, Add</i>	4.92	
<i>For Stainless Steel, Add</i>	19.66	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0149 CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	35.49	
<i>For Class 1 Mill Galvanized, Add</i>	2.04	
<i>For Class 2 Mill Galvanized, Add</i>	3.07	
<i>For Hot-Dipped Galvanized, Add</i>	5.11	
<i>For Stainless Steel, Add</i>	20.44	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0150 CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	38.51	
For Class 1 Mill Galvanized, Add	2.14	
For Class 2 Mill Galvanized, Add	3.22	
For Hot-Dipped Galvanized, Add	5.36	
For Stainless Steel, Add	21.44	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0151 CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	42.17	
For Class 1 Mill Galvanized, Add	2.26	
For Class 2 Mill Galvanized, Add	3.39	
For Hot-Dipped Galvanized, Add	5.65	
For Stainless Steel, Add	22.58	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0152 CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	44.93	
For Class 1 Mill Galvanized, Add	2.32	
For Class 2 Mill Galvanized, Add	3.48	
For Hot-Dipped Galvanized, Add	5.80	
For Stainless Steel, Add	23.18	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0153 CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	46.77	
For Class 1 Mill Galvanized, Add	2.41	
For Class 2 Mill Galvanized, Add	3.61	
For Hot-Dipped Galvanized, Add	6.02	
For Stainless Steel, Add	24.06	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0154 CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	54.14	
For Class 1 Mill Galvanized, Add	3.38	
For Class 2 Mill Galvanized, Add	5.07	
For Hot-Dipped Galvanized, Add	8.45	
For Stainless Steel, Add	33.80	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0155 CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	57.32	
For Class 1 Mill Galvanized, Add	3.57	
For Class 2 Mill Galvanized, Add	5.36	
For Hot-Dipped Galvanized, Add	8.94	
For Stainless Steel, Add	35.74	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0156 CLF #20 (For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	73.16	
For Class 1 Mill Galvanized, Add	6.18	
For Class 2 Mill Galvanized, Add	9.27	
For Hot-Dipped Galvanized, Add	15.46	
For Stainless Steel, Add	61.82	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0157 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		
(04 05 19 13-0145)		
04 05 19 13-0158 CLF #4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	35.16	
For Class 1 Mill Galvanized, Add	2.70	
For Class 2 Mill Galvanized, Add	4.04	
For Hot-Dipped Galvanized, Add	6.74	
For Stainless Steel, Add	26.96	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0159 CLF #6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	36.82	
For Class 1 Mill Galvanized, Add	2.73	
For Class 2 Mill Galvanized, Add	4.10	
For Hot-Dipped Galvanized, Add	6.84	
For Stainless Steel, Add	27.34	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0160 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	39.33	
<i>For Class 1 Mill Galvanized, Add</i>	2.81	
<i>For Class 2 Mill Galvanized, Add</i>	4.22	
<i>For Hot-Dipped Galvanized, Add</i>	7.03	
<i>For Stainless Steel, Add</i>	28.12	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0161 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	42.34	
<i>For Class 1 Mill Galvanized, Add</i>	2.91	
<i>For Class 2 Mill Galvanized, Add</i>	4.37	
<i>For Hot-Dipped Galvanized, Add</i>	7.28	
<i>For Stainless Steel, Add</i>	29.10	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0162 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	45.95	
<i>For Class 1 Mill Galvanized, Add</i>	3.01	
<i>For Class 2 Mill Galvanized, Add</i>	4.52	
<i>For Hot-Dipped Galvanized, Add</i>	7.54	
<i>For Stainless Steel, Add</i>	30.14	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0163 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	48.76	
<i>For Class 1 Mill Galvanized, Add</i>	3.08	
<i>For Class 2 Mill Galvanized, Add</i>	4.63	
<i>For Hot-Dipped Galvanized, Add</i>	7.71	
<i>For Stainless Steel, Add</i>	30.84	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0164 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	50.54	
<i>For Class 1 Mill Galvanized, Add</i>	3.16	
<i>For Class 2 Mill Galvanized, Add</i>	4.74	
<i>For Hot-Dipped Galvanized, Add</i>	7.90	
<i>For Stainless Steel, Add</i>	31.60	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0165 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	59.21	
<i>For Class 1 Mill Galvanized, Add</i>	4.39	
<i>For Class 2 Mill Galvanized, Add</i>	6.59	
<i>For Hot-Dipped Galvanized, Add</i>	10.99	
<i>For Stainless Steel, Add</i>	43.94	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0166 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	62.38	
<i>For Class 1 Mill Galvanized, Add</i>	4.59	
<i>For Class 2 Mill Galvanized, Add</i>	6.88	
<i>For Hot-Dipped Galvanized, Add</i>	11.47	
<i>For Stainless Steel, Add</i>	45.86	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0167 CLF #20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	82.77	
<i>For Class 1 Mill Galvanized, Add</i>	8.66	
<i>For Class 2 Mill Galvanized, Add</i>	13.00	
<i>For Hot-Dipped Galvanized, Add</i>	21.66	
<i>For Stainless Steel, Add</i>	86.64	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0168 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		
<small>(04 05 19 13-0145)</small>		
04 05 19 13-0169 CLF #4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	40.92	
<i>For Class 1 Mill Galvanized, Add</i>	3.85	
<i>For Class 2 Mill Galvanized, Add</i>	5.77	
<i>For Hot-Dipped Galvanized, Add</i>	9.62	
<i>For Stainless Steel, Add</i>	38.48	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0170 CLF #6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	42.83	
For Class 1 Mill Galvanized, Add	3.90	
For Class 2 Mill Galvanized, Add	5.84	
For Hot-Dipped Galvanized, Add	9.74	
For Stainless Steel, Add	38.96	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0171 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	45.21	
For Class 1 Mill Galvanized, Add	4.04	
For Class 2 Mill Galvanized, Add	6.06	
For Hot-Dipped Galvanized, Add	10.10	
For Stainless Steel, Add	40.38	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0172 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	48.96	
For Class 1 Mill Galvanized, Add	4.23	
For Class 2 Mill Galvanized, Add	6.35	
For Hot-Dipped Galvanized, Add	10.59	
For Stainless Steel, Add	42.34	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0173 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	52.96	
For Class 1 Mill Galvanized, Add	4.48	
For Class 2 Mill Galvanized, Add	6.72	
For Hot-Dipped Galvanized, Add	11.20	
For Stainless Steel, Add	44.78	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0174 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	56.29	
For Class 1 Mill Galvanized, Add	4.59	
For Class 2 Mill Galvanized, Add	6.88	
For Hot-Dipped Galvanized, Add	11.47	
For Stainless Steel, Add	45.88	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0175 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	58.51	
For Class 1 Mill Galvanized, Add	4.75	
For Class 2 Mill Galvanized, Add	7.13	
For Hot-Dipped Galvanized, Add	11.89	
For Stainless Steel, Add	47.54	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0176 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	70.61	
For Class 1 Mill Galvanized, Add	6.67	
For Class 2 Mill Galvanized, Add	10.01	
For Hot-Dipped Galvanized, Add	16.69	
For Stainless Steel, Add	66.74	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0177 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	74.72	
For Class 1 Mill Galvanized, Add	7.05	
For Class 2 Mill Galvanized, Add	10.58	
For Hot-Dipped Galvanized, Add	17.63	
For Stainless Steel, Add	70.52	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0178 CLF #20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	103.21	
For Class 1 Mill Galvanized, Add	12.19	
For Class 2 Mill Galvanized, Add	18.29	
For Hot-Dipped Galvanized, Add	30.48	
For Stainless Steel, Add	121.92	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	

04 05 19 13-0179 Truss-Type With Tabs, Masonry Wall Reinforcement (04 05 19 13-0144)

04 05 19 13-0180 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry
Wall Reinforcement (04 05 19 13-0179)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0181 CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	43.38	
<i>For Class 1 Mill Galvanized, Add</i>	3.05	
<i>For Class 2 Mill Galvanized, Add</i>	4.57	
<i>For Hot-Dipped Galvanized, Add</i>	7.62	
<i>For Stainless Steel, Add</i>	30.48	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0182 CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	47.23	
<i>For Class 1 Mill Galvanized, Add</i>	3.19	
<i>For Class 2 Mill Galvanized, Add</i>	4.79	
<i>For Hot-Dipped Galvanized, Add</i>	7.99	
<i>For Stainless Steel, Add</i>	31.94	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0183 CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	51.29	
<i>For Class 1 Mill Galvanized, Add</i>	3.38	
<i>For Class 2 Mill Galvanized, Add</i>	5.07	
<i>For Hot-Dipped Galvanized, Add</i>	8.45	
<i>For Stainless Steel, Add</i>	33.80	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0184 CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	55.07	
<i>For Class 1 Mill Galvanized, Add</i>	3.51	
<i>For Class 2 Mill Galvanized, Add</i>	5.27	
<i>For Hot-Dipped Galvanized, Add</i>	8.78	
<i>For Stainless Steel, Add</i>	35.10	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0185 CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	57.16	
<i>For Class 1 Mill Galvanized, Add</i>	3.62	
<i>For Class 2 Mill Galvanized, Add</i>	5.42	
<i>For Hot-Dipped Galvanized, Add</i>	9.04	
<i>For Stainless Steel, Add</i>	36.16	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0186 CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	61.26	
<i>For Class 1 Mill Galvanized, Add</i>	3.87	
<i>For Class 2 Mill Galvanized, Add</i>	5.81	
<i>For Hot-Dipped Galvanized, Add</i>	9.69	
<i>For Stainless Steel, Add</i>	38.74	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0187 CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	65.06	
<i>For Class 1 Mill Galvanized, Add</i>	4.13	
<i>For Class 2 Mill Galvanized, Add</i>	6.20	
<i>For Hot-Dipped Galvanized, Add</i>	10.33	
<i>For Stainless Steel, Add</i>	41.32	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0188 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement <small>(04 05 19 13-0179)</small>		
04 05 19 13-0189 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall		
Reinforcement	48.12	
<i>For Class 1 Mill Galvanized, Add</i>	4.00	
<i>For Class 2 Mill Galvanized, Add</i>	5.99	
<i>For Hot-Dipped Galvanized, Add</i>	9.99	
<i>For Stainless Steel, Add</i>	39.96	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0190 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	51.99	
<i>For Class 1 Mill Galvanized, Add</i>	4.15	
<i>For Class 2 Mill Galvanized, Add</i>	6.22	
<i>For Hot-Dipped Galvanized, Add</i>	10.37	
<i>For Stainless Steel, Add</i>	41.46	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0191 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	56.03	
<i>For Class 1 Mill Galvanized, Add</i>	4.33	
<i>For Class 2 Mill Galvanized, Add</i>	6.49	
<i>For Hot-Dipped Galvanized, Add</i>	10.82	
<i>For Stainless Steel, Add</i>	43.28	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0192 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	59.81	
<i>For Class 1 Mill Galvanized, Add</i>	4.46	
<i>For Class 2 Mill Galvanized, Add</i>	6.69	
<i>For Hot-Dipped Galvanized, Add</i>	11.15	
<i>For Stainless Steel, Add</i>	44.58	
<i>For Cavity Drip, Add</i>	0.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0193 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	61.88	
For Class 1 Mill Galvanized, Add	4.56	
For Class 2 Mill Galvanized, Add	6.84	
For Hot-Dipped Galvanized, Add	11.40	
For Stainless Steel, Add	45.60	
For Cavity Drip, Add	0.50	
04 05 19 13-0194 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	65.99	
For Class 1 Mill Galvanized, Add	4.82	
For Class 2 Mill Galvanized, Add	7.23	
For Hot-Dipped Galvanized, Add	12.05	
For Stainless Steel, Add	48.20	
For Cavity Drip, Add	0.50	
04 05 19 13-0195 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	69.81	
For Class 1 Mill Galvanized, Add	5.08	
For Class 2 Mill Galvanized, Add	7.62	
For Hot-Dipped Galvanized, Add	12.71	
For Stainless Steel, Add	50.82	
For Cavity Drip, Add	0.50	
04 05 19 13-0196 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0179)</small>		
04 05 19 13-0197 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	52.52	
For Class 1 Mill Galvanized, Add	4.88	
For Class 2 Mill Galvanized, Add	7.31	
For Hot-Dipped Galvanized, Add	12.19	
For Stainless Steel, Add	48.76	
For Cavity Drip, Add	0.50	
04 05 19 13-0198 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	56.80	
For Class 1 Mill Galvanized, Add	5.11	
For Class 2 Mill Galvanized, Add	7.66	
For Hot-Dipped Galvanized, Add	12.77	
For Stainless Steel, Add	51.08	
For Cavity Drip, Add	0.50	
04 05 19 13-0199 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	61.51	
For Class 1 Mill Galvanized, Add	5.42	
For Class 2 Mill Galvanized, Add	8.14	
For Hot-Dipped Galvanized, Add	13.56	
For Stainless Steel, Add	54.24	
For Cavity Drip, Add	0.50	
04 05 19 13-0200 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	65.50	
For Class 1 Mill Galvanized, Add	5.60	
For Class 2 Mill Galvanized, Add	8.39	
For Hot-Dipped Galvanized, Add	13.99	
For Stainless Steel, Add	55.96	
For Cavity Drip, Add	0.50	
04 05 19 13-0201 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	67.92	
For Class 1 Mill Galvanized, Add	5.77	
For Class 2 Mill Galvanized, Add	8.65	
For Hot-Dipped Galvanized, Add	14.42	
For Stainless Steel, Add	57.68	
For Cavity Drip, Add	0.50	
04 05 19 13-0202 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	72.68	
For Class 1 Mill Galvanized, Add	6.16	
For Class 2 Mill Galvanized, Add	9.24	
For Hot-Dipped Galvanized, Add	15.40	
For Stainless Steel, Add	61.58	
For Cavity Drip, Add	0.50	
04 05 19 13-0203 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	76.79	
For Class 1 Mill Galvanized, Add	6.48	
For Class 2 Mill Galvanized, Add	9.72	
For Hot-Dipped Galvanized, Add	16.20	
For Stainless Steel, Add	64.78	
For Cavity Drip, Add	0.50	
04 05 19 13-0204 Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0144)</small>		
04 05 19 13-0205 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0206 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	58.17	
For Class 1 Mill Galvanized, Add	6.01	
For Class 2 Mill Galvanized, Add	9.01	
For Hot-Dipped Galvanized, Add	15.02	
For Stainless Steel, Add	60.06	
04 05 19 13-0207 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	61.50	
For Class 1 Mill Galvanized, Add	6.05	
For Class 2 Mill Galvanized, Add	9.07	
For Hot-Dipped Galvanized, Add	15.12	
For Stainless Steel, Add	60.48	
04 05 19 13-0208 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	65.37	
For Class 1 Mill Galvanized, Add	6.20	
For Class 2 Mill Galvanized, Add	9.29	
For Hot-Dipped Galvanized, Add	15.49	
For Stainless Steel, Add	61.96	
04 05 19 13-0209 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	71.03	
For Class 1 Mill Galvanized, Add	6.39	
For Class 2 Mill Galvanized, Add	9.59	
For Hot-Dipped Galvanized, Add	15.98	
For Stainless Steel, Add	63.90	
04 05 19 13-0210 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	75.00	
For Class 1 Mill Galvanized, Add	6.62	
For Class 2 Mill Galvanized, Add	9.93	
For Hot-Dipped Galvanized, Add	16.56	
For Stainless Steel, Add	66.22	
04 05 19 13-0211 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	78.91	
For Class 1 Mill Galvanized, Add	6.90	
For Class 2 Mill Galvanized, Add	10.35	
For Hot-Dipped Galvanized, Add	17.26	
For Stainless Steel, Add	69.02	
 04 05 19 13-0212 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0213 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	65.51	
For Class 1 Mill Galvanized, Add	7.47	
For Class 2 Mill Galvanized, Add	11.21	
For Hot-Dipped Galvanized, Add	18.69	
For Stainless Steel, Add	74.74	
04 05 19 13-0214 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	68.94	
For Class 1 Mill Galvanized, Add	7.54	
For Class 2 Mill Galvanized, Add	11.30	
For Hot-Dipped Galvanized, Add	18.84	
For Stainless Steel, Add	75.36	
04 05 19 13-0215 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	72.81	
For Class 1 Mill Galvanized, Add	7.68	
For Class 2 Mill Galvanized, Add	11.53	
For Hot-Dipped Galvanized, Add	19.21	
For Stainless Steel, Add	76.84	
04 05 19 13-0216 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	78.46	
For Class 1 Mill Galvanized, Add	7.88	
For Class 2 Mill Galvanized, Add	11.81	
For Hot-Dipped Galvanized, Add	19.69	
For Stainless Steel, Add	78.76	
04 05 19 13-0217 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	82.33	
For Class 1 Mill Galvanized, Add	8.09	
For Class 2 Mill Galvanized, Add	12.13	
For Hot-Dipped Galvanized, Add	20.22	
For Stainless Steel, Add	80.88	
04 05 19 13-0218 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	85.91	
For Class 1 Mill Galvanized, Add	8.30	
For Class 2 Mill Galvanized, Add	12.45	
For Hot-Dipped Galvanized, Add	20.76	
For Stainless Steel, Add	83.02	
 04 05 19 13-0219 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0220	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....		69.53	
		<i>For Class 1 Mill Galvanized, Add</i>		8.28	
		<i>For Class 2 Mill Galvanized, Add</i>		12.42	
		<i>For Hot-Dipped Galvanized, Add</i>		20.70	
		<i>For Stainless Steel, Add</i>		82.78	
04 05 19 13-0221	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....		72.97	
		<i>For Class 1 Mill Galvanized, Add</i>		8.34	
		<i>For Class 2 Mill Galvanized, Add</i>		12.51	
		<i>For Hot-Dipped Galvanized, Add</i>		20.86	
		<i>For Stainless Steel, Add</i>		83.42	
04 05 19 13-0222	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....		77.25	
		<i>For Class 1 Mill Galvanized, Add</i>		8.57	
		<i>For Class 2 Mill Galvanized, Add</i>		12.86	
		<i>For Hot-Dipped Galvanized, Add</i>		21.43	
		<i>For Stainless Steel, Add</i>		85.72	
04 05 19 13-0223	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....		83.45	
		<i>For Class 1 Mill Galvanized, Add</i>		8.87	
		<i>For Class 2 Mill Galvanized, Add</i>		13.31	
		<i>For Hot-Dipped Galvanized, Add</i>		22.19	
		<i>For Stainless Steel, Add</i>		88.74	
04 05 19 13-0224	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....		88.17	
		<i>For Class 1 Mill Galvanized, Add</i>		9.26	
		<i>For Class 2 Mill Galvanized, Add</i>		13.88	
		<i>For Hot-Dipped Galvanized, Add</i>		23.14	
		<i>For Stainless Steel, Add</i>		92.56	
04 05 19 13-0225	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....		92.80	
		<i>For Class 1 Mill Galvanized, Add</i>		9.68	
		<i>For Class 2 Mill Galvanized, Add</i>		14.52	
		<i>For Hot-Dipped Galvanized, Add</i>		24.20	
		<i>For Stainless Steel, Add</i>		96.80	
04 05 19 13-0226		Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0144)</small>			
04 05 19 13-0227		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0226)</small>			
04 05 19 13-0228	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....		62.69	
		<i>For Class 1 Mill Galvanized, Add</i>		6.29	
		<i>For Class 2 Mill Galvanized, Add</i>		9.43	
		<i>For Hot-Dipped Galvanized, Add</i>		15.72	
		<i>For Stainless Steel, Add</i>		62.86	
04 05 19 13-0229	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....		66.04	
		<i>For Class 1 Mill Galvanized, Add</i>		6.33	
		<i>For Class 2 Mill Galvanized, Add</i>		9.50	
		<i>For Hot-Dipped Galvanized, Add</i>		15.83	
		<i>For Stainless Steel, Add</i>		63.30	
04 05 19 13-0230	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....		71.44	
		<i>For Class 1 Mill Galvanized, Add</i>		6.47	
		<i>For Class 2 Mill Galvanized, Add</i>		9.71	
		<i>For Hot-Dipped Galvanized, Add</i>		16.18	
		<i>For Stainless Steel, Add</i>		64.72	
04 05 19 13-0231	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....		75.22	
		<i>For Class 1 Mill Galvanized, Add</i>		6.67	
		<i>For Class 2 Mill Galvanized, Add</i>		10.00	
		<i>For Hot-Dipped Galvanized, Add</i>		16.67	
		<i>For Stainless Steel, Add</i>		66.66	
04 05 19 13-0232	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....		78.90	
		<i>For Class 1 Mill Galvanized, Add</i>		6.90	
		<i>For Class 2 Mill Galvanized, Add</i>		10.35	
		<i>For Hot-Dipped Galvanized, Add</i>		17.25	
		<i>For Stainless Steel, Add</i>		69.00	
04 05 19 13-0233	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....		81.84	
		<i>For Class 1 Mill Galvanized, Add</i>		7.14	
		<i>For Class 2 Mill Galvanized, Add</i>		10.71	
		<i>For Hot-Dipped Galvanized, Add</i>		17.85	
		<i>For Stainless Steel, Add</i>		71.40	
04 05 19 13-0234		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0226)</small>			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0235 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	70.00	
<i>For Class 1 Mill Galvanized, Add</i>	7.75	
<i>For Class 2 Mill Galvanized, Add</i>	11.62	
<i>For Hot-Dipped Galvanized, Add</i>	19.37	
<i>For Stainless Steel, Add</i>	77.48	
04 05 19 13-0236 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	73.45	
<i>For Class 1 Mill Galvanized, Add</i>	7.81	
<i>For Class 2 Mill Galvanized, Add</i>	11.72	
<i>For Hot-Dipped Galvanized, Add</i>	19.53	
<i>For Stainless Steel, Add</i>	78.12	
04 05 19 13-0237 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	78.88	
<i>For Class 1 Mill Galvanized, Add</i>	7.96	
<i>For Class 2 Mill Galvanized, Add</i>	11.94	
<i>For Hot-Dipped Galvanized, Add</i>	19.90	
<i>For Stainless Steel, Add</i>	79.60	
04 05 19 13-0238 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	82.65	
<i>For Class 1 Mill Galvanized, Add</i>	8.15	
<i>For Class 2 Mill Galvanized, Add</i>	12.23	
<i>For Hot-Dipped Galvanized, Add</i>	20.38	
<i>For Stainless Steel, Add</i>	81.52	
04 05 19 13-0239 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	86.22	
<i>For Class 1 Mill Galvanized, Add</i>	8.36	
<i>For Class 2 Mill Galvanized, Add</i>	12.55	
<i>For Hot-Dipped Galvanized, Add</i>	20.91	
<i>For Stainless Steel, Add</i>	83.64	
04 05 19 13-0240 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	89.22	
<i>For Class 1 Mill Galvanized, Add</i>	8.62	
<i>For Class 2 Mill Galvanized, Add</i>	12.92	
<i>For Hot-Dipped Galvanized, Add</i>	21.54	
<i>For Stainless Steel, Add</i>	86.16	
04 05 19 13-0241 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0226)</small>		
04 05 19 13-0242 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	74.04	
<i>For Class 1 Mill Galvanized, Add</i>	8.56	
<i>For Class 2 Mill Galvanized, Add</i>	12.83	
<i>For Hot-Dipped Galvanized, Add</i>	21.39	
<i>For Stainless Steel, Add</i>	85.56	
04 05 19 13-0243 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	77.47	
<i>For Class 1 Mill Galvanized, Add</i>	8.62	
<i>For Class 2 Mill Galvanized, Add</i>	12.92	
<i>For Hot-Dipped Galvanized, Add</i>	21.54	
<i>For Stainless Steel, Add</i>	86.16	
04 05 19 13-0244 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	83.34	
<i>For Class 1 Mill Galvanized, Add</i>	8.85	
<i>For Class 2 Mill Galvanized, Add</i>	13.28	
<i>For Hot-Dipped Galvanized, Add</i>	22.13	
<i>For Stainless Steel, Add</i>	88.52	
04 05 19 13-0245 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	87.65	
<i>For Class 1 Mill Galvanized, Add</i>	9.15	
<i>For Class 2 Mill Galvanized, Add</i>	13.73	
<i>For Hot-Dipped Galvanized, Add</i>	22.88	
<i>For Stainless Steel, Add</i>	91.52	
04 05 19 13-0246 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	92.06	
<i>For Class 1 Mill Galvanized, Add</i>	9.53	
<i>For Class 2 Mill Galvanized, Add</i>	14.30	
<i>For Hot-Dipped Galvanized, Add</i>	23.83	
<i>For Stainless Steel, Add</i>	95.32	
04 05 19 13-0247 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	95.25	
<i>For Class 1 Mill Galvanized, Add</i>	9.82	
<i>For Class 2 Mill Galvanized, Add</i>	14.73	
<i>For Hot-Dipped Galvanized, Add</i>	24.56	
<i>For Stainless Steel, Add</i>	98.22	
04 05 19 13-0248 Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0144)</small>		
04 05 19 13-0249 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0248)</small>		

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0250 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	59.86	
For Class 1 Mill Galvanized, Add	5.72	
For Class 2 Mill Galvanized, Add	8.58	
For Hot-Dipped Galvanized, Add	14.30	
For Stainless Steel, Add	57.20	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0251 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	63.19	
For Class 1 Mill Galvanized, Add	5.76	
For Class 2 Mill Galvanized, Add	8.64	
For Hot-Dipped Galvanized, Add	14.40	
For Stainless Steel, Add	57.60	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0252 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	68.50	
For Class 1 Mill Galvanized, Add	5.88	
For Class 2 Mill Galvanized, Add	8.83	
For Hot-Dipped Galvanized, Add	14.71	
For Stainless Steel, Add	58.84	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0253 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	72.20	
For Class 1 Mill Galvanized, Add	6.06	
For Class 2 Mill Galvanized, Add	9.09	
For Hot-Dipped Galvanized, Add	15.16	
For Stainless Steel, Add	60.62	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0254 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	75.64	
For Class 1 Mill Galvanized, Add	6.25	
For Class 2 Mill Galvanized, Add	9.37	
For Hot-Dipped Galvanized, Add	15.62	
For Stainless Steel, Add	62.48	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0255 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	78.51	
For Class 1 Mill Galvanized, Add	6.47	
For Class 2 Mill Galvanized, Add	9.71	
For Hot-Dipped Galvanized, Add	16.19	
For Stainless Steel, Add	64.74	
For Seismic Hook And Eye, Add	27.50	

04 05 19 13-0256 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0248)

04 05 19 13-0257 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	66.60	
For Class 1 Mill Galvanized, Add	7.07	
For Class 2 Mill Galvanized, Add	10.60	
For Hot-Dipped Galvanized, Add	17.67	
For Stainless Steel, Add	70.68	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0258 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	70.01	
For Class 1 Mill Galvanized, Add	7.12	
For Class 2 Mill Galvanized, Add	10.69	
For Hot-Dipped Galvanized, Add	17.81	
For Stainless Steel, Add	71.24	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0259 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	75.26	
For Class 1 Mill Galvanized, Add	7.24	
For Class 2 Mill Galvanized, Add	10.85	
For Hot-Dipped Galvanized, Add	18.09	
For Stainless Steel, Add	72.36	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0260 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	78.92	
For Class 1 Mill Galvanized, Add	7.41	
For Class 2 Mill Galvanized, Add	11.11	
For Hot-Dipped Galvanized, Add	18.52	
For Stainless Steel, Add	74.06	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0261 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	82.35	
For Class 1 Mill Galvanized, Add	7.59	
For Class 2 Mill Galvanized, Add	11.39	
For Hot-Dipped Galvanized, Add	18.98	
For Stainless Steel, Add	75.90	
For Seismic Hook And Eye, Add	27.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0262 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	85.10	
<i>For Class 1 Mill Galvanized, Add</i>	7.79	
<i>For Class 2 Mill Galvanized, Add</i>	11.69	
<i>For Hot-Dipped Galvanized, Add</i>	19.48	
<i>For Stainless Steel, Add</i>	77.92	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0263 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0248)		
04 05 19 13-0264 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	70.68	
<i>For Class 1 Mill Galvanized, Add</i>	7.88	
<i>For Class 2 Mill Galvanized, Add</i>	11.83	
<i>For Hot-Dipped Galvanized, Add</i>	19.71	
<i>For Stainless Steel, Add</i>	78.84	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0265 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	74.11	
<i>For Class 1 Mill Galvanized, Add</i>	7.94	
<i>For Class 2 Mill Galvanized, Add</i>	11.92	
<i>For Hot-Dipped Galvanized, Add</i>	19.86	
<i>For Stainless Steel, Add</i>	79.44	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0266 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	79.90	
<i>For Class 1 Mill Galvanized, Add</i>	8.16	
<i>For Class 2 Mill Galvanized, Add</i>	12.25	
<i>For Hot-Dipped Galvanized, Add</i>	20.41	
<i>For Stainless Steel, Add</i>	81.64	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0267 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	84.15	
<i>For Class 1 Mill Galvanized, Add</i>	8.45	
<i>For Class 2 Mill Galvanized, Add</i>	12.68	
<i>For Hot-Dipped Galvanized, Add</i>	21.13	
<i>For Stainless Steel, Add</i>	84.52	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0268 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	88.48	
<i>For Class 1 Mill Galvanized, Add</i>	8.82	
<i>For Class 2 Mill Galvanized, Add</i>	13.22	
<i>For Hot-Dipped Galvanized, Add</i>	22.04	
<i>For Stainless Steel, Add</i>	88.16	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0269 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	92.24	
<i>For Class 1 Mill Galvanized, Add</i>	9.22	
<i>For Class 2 Mill Galvanized, Add</i>	13.83	
<i>For Hot-Dipped Galvanized, Add</i>	23.05	
<i>For Stainless Steel, Add</i>	92.20	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0270 Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0144)		
04 05 19 13-0271 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall (04 05 19 13-0270)		
04 05 19 13-0272 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	64.34	
<i>For Class 1 Mill Galvanized, Add</i>	5.99	
<i>For Class 2 Mill Galvanized, Add</i>	8.99	
<i>For Hot-Dipped Galvanized, Add</i>	14.98	
<i>For Stainless Steel, Add</i>	59.90	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0273 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	69.24	
<i>For Class 1 Mill Galvanized, Add</i>	6.03	
<i>For Class 2 Mill Galvanized, Add</i>	9.05	
<i>For Hot-Dipped Galvanized, Add</i>	15.08	
<i>For Stainless Steel, Add</i>	60.32	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0274 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	72.71	
<i>For Class 1 Mill Galvanized, Add</i>	6.16	
<i>For Class 2 Mill Galvanized, Add</i>	9.25	
<i>For Hot-Dipped Galvanized, Add</i>	15.41	
<i>For Stainless Steel, Add</i>	61.64	
<i>For Seismic Hook And Eye, Add</i>	27.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0275 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	76.16	
<i>For Class 1 Mill Galvanized, Add</i>	6.35	
<i>For Class 2 Mill Galvanized, Add</i>	9.53	
<i>For Hot-Dipped Galvanized, Add</i>	15.88	
<i>For Stainless Steel, Add</i>	63.52	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0276 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	78.99	
<i>For Class 1 Mill Galvanized, Add</i>	6.57	
<i>For Class 2 Mill Galvanized, Add</i>	9.86	
<i>For Hot-Dipped Galvanized, Add</i>	16.43	
<i>For Stainless Steel, Add</i>	65.70	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0277 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0270)		
04 05 19 13-0278 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	71.60	
<i>For Class 1 Mill Galvanized, Add</i>	7.44	
<i>For Class 2 Mill Galvanized, Add</i>	11.16	
<i>For Hot-Dipped Galvanized, Add</i>	18.61	
<i>For Stainless Steel, Add</i>	74.42	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0279 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	76.52	
<i>For Class 1 Mill Galvanized, Add</i>	7.49	
<i>For Class 2 Mill Galvanized, Add</i>	11.23	
<i>For Hot-Dipped Galvanized, Add</i>	18.72	
<i>For Stainless Steel, Add</i>	74.88	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0280 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	79.97	
<i>For Class 1 Mill Galvanized, Add</i>	7.62	
<i>For Class 2 Mill Galvanized, Add</i>	11.42	
<i>For Hot-Dipped Galvanized, Add</i>	19.04	
<i>For Stainless Steel, Add</i>	76.16	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0281 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	83.34	
<i>For Class 1 Mill Galvanized, Add</i>	7.79	
<i>For Class 2 Mill Galvanized, Add</i>	11.68	
<i>For Hot-Dipped Galvanized, Add</i>	19.47	
<i>For Stainless Steel, Add</i>	77.88	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0282 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	85.97	
<i>For Class 1 Mill Galvanized, Add</i>	7.97	
<i>For Class 2 Mill Galvanized, Add</i>	11.95	
<i>For Hot-Dipped Galvanized, Add</i>	19.92	
<i>For Stainless Steel, Add</i>	79.66	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0283 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0270)		
04 05 19 13-0284 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	75.13	
<i>For Class 1 Mill Galvanized, Add</i>	8.15	
<i>For Class 2 Mill Galvanized, Add</i>	12.22	
<i>For Hot-Dipped Galvanized, Add</i>	20.37	
<i>For Stainless Steel, Add</i>	81.48	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0285 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	80.11	
<i>For Class 1 Mill Galvanized, Add</i>	8.21	
<i>For Class 2 Mill Galvanized, Add</i>	12.31	
<i>For Hot-Dipped Galvanized, Add</i>	20.52	
<i>For Stainless Steel, Add</i>	82.06	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0286 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	84.04	
<i>For Class 1 Mill Galvanized, Add</i>	8.43	
<i>For Class 2 Mill Galvanized, Add</i>	12.65	
<i>For Hot-Dipped Galvanized, Add</i>	21.08	
<i>For Stainless Steel, Add</i>	84.30	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0287 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	87.98	
<i>For Class 1 Mill Galvanized, Add</i>	8.72	
<i>For Class 2 Mill Galvanized, Add</i>	13.07	
<i>For Hot-Dipped Galvanized, Add</i>	21.79	
<i>For Stainless Steel, Add</i>	87.16	
<i>For Seismic Hook And Eye, Add</i>	27.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0288 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	91.53	
<i>For Class 1 Mill Galvanized, Add</i>	9.08	
<i>For Class 2 Mill Galvanized, Add</i>	13.62	
<i>For Hot-Dipped Galvanized, Add</i>	22.70	
<i>For Stainless Steel, Add</i>	90.78	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 16 Masonry Anchors (04 05 19)		
04 05 19 16-0001 Rectangular, Wire Masonry Wall Ties (04 05 19 16)		
04 05 19 16-0002 Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties (04 05 19 16-0001)		
04 05 19 16-0003 EA 2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.72	
04 05 19 16-0004 EA 2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.76	
04 05 19 16-0005 EA 2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.80	
04 05 19 16-0006 EA 2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.85	
04 05 19 16-0007 EA 2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.90	
04 05 19 16-0008 EA 4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.80	
04 05 19 16-0009 EA 4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.85	
04 05 19 16-0010 EA 4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.90	
04 05 19 16-0011 EA 4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.95	
04 05 19 16-0012 Mill Galvanized, Rectangular, Wire Masonry Wall Ties (04 05 19 16-0001)		
04 05 19 16-0013 EA 2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.64	
04 05 19 16-0014 EA 2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.66	
04 05 19 16-0015 EA 2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.68	
04 05 19 16-0016 EA 2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.71	
04 05 19 16-0017 EA 2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.73	
04 05 19 16-0018 EA 4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.68	
04 05 19 16-0019 EA 4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.71	
04 05 19 16-0020 EA 4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.73	
04 05 19 16-0021 EA 4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.76	
04 05 19 16-0022 Z-Type, Wire Masonry Wall Ties (04 05 19 16)		
04 05 19 16-0023 Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)		
04 05 19 16-0024 EA 6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.65	
04 05 19 16-0025 EA 8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.67	
04 05 19 16-0026 EA 10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.74	
04 05 19 16-0027 EA 12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.78	
04 05 19 16-0028 EA 6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.79	
04 05 19 16-0029 EA 8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.83	
04 05 19 16-0030 EA 10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.89	
04 05 19 16-0031 EA 12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.93	
04 05 19 16-0032 Mill Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)		
04 05 19 16-0033 EA 6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.59	
04 05 19 16-0034 EA 8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.60	
04 05 19 16-0035 EA 10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.66	
04 05 19 16-0036 EA 12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.67	
04 05 19 16-0037 EA 6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.68	
04 05 19 16-0038 EA 8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.71	
04 05 19 16-0039 EA 10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.73	
04 05 19 16-0040 EA 12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.77	
04 05 19 16-0041 Wire Beam Ties (04 05 19 16)		
04 05 19 16-0042 Hot-Dipped Galvanized, Wire Beam Ties (04 05 19 16-0041)		
04 05 19 16-0043 EA 2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	0.85	
04 05 19 16-0044 EA 4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	0.87	
04 05 19 16-0045 EA 6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	0.88	
04 05 19 16-0046 EA 8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	0.90	
04 05 19 16-0047 EA 10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	0.93	
04 05 19 16-0048 Mill Galvanized, Wire Beam Ties (04 05 19 16-0041)		
04 05 19 16-0049 EA 2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.00	
04 05 19 16-0050 EA 4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.04	
04 05 19 16-0051 EA 6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.08	
04 05 19 16-0052 EA 8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.11	
04 05 19 16-0053 EA 10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.14	
04 05 19 16-0054 Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16)		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 05 19 16-0055		Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties	
		<small>(04 05 19 16-0054)</small>	
04 05 19 16-0056	EA	6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	0.93
04 05 19 16-0057	EA	7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	0.97
04 05 19 16-0058	EA	8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	0.99
04 05 19 16-0059	EA	9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.02
04 05 19 16-0060	EA	10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.03
04 05 19 16-0061		Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties	
		<small>(04 05 19 16-0054)</small>	
04 05 19 16-0062	EA	6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	0.80
04 05 19 16-0063	EA	7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	0.83
04 05 19 16-0064	EA	8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	0.83
04 05 19 16-0065	EA	9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	0.86
04 05 19 16-0066	EA	10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	0.86
04 05 19 16-0067		Corrugated Buck (Brick) Anchors	
		<small>(04 05 19 16)</small>	
04 05 19 16-0068		Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors	
		<small>(04 05 19 16-0067)</small>	
04 05 19 16-0069	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.12
04 05 19 16-0070	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.16
04 05 19 16-0071	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.21
04 05 19 16-0072	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.25
04 05 19 16-0073	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.29
04 05 19 16-0074	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.16
04 05 19 16-0075	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.20
04 05 19 16-0076	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.25
04 05 19 16-0077	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.29
04 05 19 16-0078	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.34
04 05 19 16-0079		Mill Galvanized, Corrugated Buck (Brick) Anchors	
		<small>(04 05 19 16-0067)</small>	
04 05 19 16-0080	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	0.98
04 05 19 16-0081	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.01
04 05 19 16-0082	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.04
04 05 19 16-0083	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.07
04 05 19 16-0084	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.10
04 05 19 16-0085	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.00
04 05 19 16-0086	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.04
04 05 19 16-0087	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.07
04 05 19 16-0088	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.10
04 05 19 16-0089	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.13
04 05 19 16-0090		Corrugated Wall Ties	
		<small>(04 05 19 16)</small>	
04 05 19 16-0091		Hot-Dipped Galvanized, Corrugated Wall Ties	
		<small>(04 05 19 16-0090)</small>	
04 05 19 16-0092	EA	7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.59
04 05 19 16-0093	EA	7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.62
04 05 19 16-0094	EA	7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.64
04 05 19 16-0095	EA	7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.65
04 05 19 16-0096	EA	7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.76
04 05 19 16-0097		Mill Galvanized, Corrugated Wall Ties	
		<small>(04 05 19 16-0090)</small>	
04 05 19 16-0098	EA	7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie	0.60
04 05 19 16-0099	EA	7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie	0.61
04 05 19 16-0100	EA	7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie	0.62
04 05 19 16-0101	EA	7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie	0.71
04 05 19 16-0102		Stainless Steel, Corrugated Wall Ties	
		<small>(04 05 19 16-0090)</small>	
04 05 19 16-0103	EA	7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie	0.93
04 05 19 16-0104	EA	7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie	0.98
04 05 19 16-0105	EA	7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie	1.04
04 05 19 16-0106	EA	7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie	1.09
04 05 19 16-0107	EA	7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie	1.38
04 05 19 16-0108		Wire Mesh Wall Ties	
		<small>(04 05 19 16)</small>	
		Note: 1/2" square mesh.	
04 05 19 16-0109	EA	3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	1.15
04 05 19 16-0110	EA	3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	1.39
04 05 19 16-0111	EA	6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	1.66
04 05 19 16-0112	EA	6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.10
04 05 19 16-0113	EA	10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	1.99
04 05 19 16-0114	EA	10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.43



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0115		Triangle Brick Ties <small>(04 05 19 16)</small>		
04 05 19 16-0116		Hot-Dipped Galvanized, Triangle Brick Ties <small>(04 05 19 16-0115)</small>		
04 05 19 16-0117	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.03	
04 05 19 16-0118	EA	3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.05	
04 05 19 16-0119	EA	4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.06	
04 05 19 16-0120	EA	4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.10	
04 05 19 16-0121	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.12	
04 05 19 16-0122	EA	6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.19	
04 05 19 16-0123	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.22	
04 05 19 16-0124	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.31	
04 05 19 16-0125	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.21	
04 05 19 16-0126	EA	3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.23	
04 05 19 16-0127	EA	4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.24	
04 05 19 16-0128	EA	4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.27	
04 05 19 16-0129	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.29	
04 05 19 16-0130	EA	6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.35	
04 05 19 16-0131	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.38	
04 05 19 16-0132	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.47	
04 05 19 16-0133		Mill Galvanized, Triangle Brick Ties <small>(04 05 19 16-0115)</small>		
04 05 19 16-0134	EA	3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	0.94	
04 05 19 16-0135	EA	3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	0.94	
04 05 19 16-0136	EA	4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	0.95	
04 05 19 16-0137	EA	4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	0.98	
04 05 19 16-0138	EA	5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	0.98	
04 05 19 16-0139	EA	6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.03	
04 05 19 16-0140	EA	7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.04	
04 05 19 16-0141	EA	9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.07	
04 05 19 16-0142	EA	3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.05	
04 05 19 16-0143	EA	3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.06	
04 05 19 16-0144	EA	4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.07	
04 05 19 16-0145	EA	4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.10	
04 05 19 16-0146	EA	5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.11	
04 05 19 16-0147	EA	6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.16	
04 05 19 16-0148	EA	7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.18	
04 05 19 16-0149	EA	9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.23	
04 05 19 16-0150		Seismic Veneer Anchors <small>(04 05 19 16)</small>		
04 05 19 16-0151	EA	3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor	5.04	
		Note: For horizontal wire attachment. Excludes wire.		
04 05 19 16-0152		Slip-Set, Joint Stabilization Anchors <small>(04 05 19 16)</small>		
		Note: For restraining lateral movement at control joints. Field bendable.		
04 05 19 16-0153	EA	9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor	3.23	
04 05 19 16-0154	EA	9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor	3.50	
04 05 19 16-0155	EA	9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor	5.04	
04 05 19 16-0156		Strap Partition Top Anchors <small>(04 05 19 16)</small>		
04 05 19 16-0157	EA	12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor	1.88	
04 05 19 16-0158	EA	12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor	5.33	
04 05 19 16-0159		Rigid Partition Anchors <small>(04 05 19 16)</small>		
04 05 19 16-0160		Hot-Dipped Galvanized, Rigid Partition Anchors <small>(04 05 19 16-0159)</small>		
04 05 19 16-0161	EA	1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	1.44	
04 05 19 16-0162	EA	1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	1.56	
04 05 19 16-0163	EA	1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	1.70	
04 05 19 16-0164	EA	1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	1.83	
04 05 19 16-0165	EA	2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	1.96	
04 05 19 16-0166	EA	2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.09	
04 05 19 16-0167	EA	1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	1.96	
04 05 19 16-0168	EA	1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.37	
04 05 19 16-0169	EA	1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.78	
04 05 19 16-0170	EA	1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.20	
04 05 19 16-0171	EA	2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.61	
04 05 19 16-0172	EA	2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.02	
04 05 19 16-0173		Mill Galvanized, Rigid Partition Anchors <small>(04 05 19 16-0159)</small>		
04 05 19 16-0174	EA	1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.33	
04 05 19 16-0175	EA	1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.43	
04 05 19 16-0176	EA	1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.53	
04 05 19 16-0177	EA	1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.63	
04 05 19 16-0178	EA	2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.73	

04 Masonry
04 05 Common Work Results For Masonry
04 05 19 Masonry Anchorage And Reinforcing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0179	EA		2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	1.83	
04 05 19 16-0180			Screw-On Masonry Veneer Anchor Plates (04 05 19 16)		
04 05 19 16-0181	EA		12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	0.94	
04 05 19 16-0182	EA		14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	0.98	
04 05 19 16-0183			Wire Column Ties (04 05 19 16)		
04 05 19 16-0184			Hot-Dipped Galvanized, Wire Column Ties (04 05 19 16-0183)		
04 05 19 16-0185	EA		3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.11	
04 05 19 16-0186	EA		5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.18	
04 05 19 16-0187	EA		7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.23	
04 05 19 16-0188	EA		9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.30	
04 05 19 16-0189	EA		10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.17	
04 05 19 16-0190	EA		12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.23	
04 05 19 16-0191	EA		14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.28	
04 05 19 16-0192	EA		16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.32	
04 05 19 16-0193	EA		3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.48	
04 05 19 16-0194	EA		5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.60	
04 05 19 16-0195	EA		7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.67	
04 05 19 16-0196	EA		9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.78	
04 05 19 16-0197	EA		10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.60	
04 05 19 16-0198	EA		12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.67	
04 05 19 16-0199	EA		14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.74	
04 05 19 16-0200	EA		16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.82	
04 05 19 16-0201			Mill Galvanized, Wire Column Ties (04 05 19 16-0183)		
04 05 19 16-0202	EA		3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	0.99	
04 05 19 16-0203	EA		5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.04	
04 05 19 16-0204	EA		7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.06	
04 05 19 16-0205	EA		9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.11	
04 05 19 16-0206	EA		10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.01	
04 05 19 16-0207	EA		12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.05	
04 05 19 16-0208	EA		14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.08	
04 05 19 16-0209	EA		16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.11	
04 05 19 16-0210	EA		3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.26	
04 05 19 16-0211	EA		5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.34	
04 05 19 16-0212	EA		7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.37	
04 05 19 16-0213	EA		9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.45	
04 05 19 16-0214	EA		10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.23	
04 05 19 16-0215	EA		12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.35	
04 05 19 16-0216	EA		14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.41	
04 05 19 16-0217	EA		16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.45	
04 05 19 16-0218			Dovetail Anchors, Slots And Ties (04 05 19 16)		
04 05 19 16-0219			Dovetail Anchor Slots (04 05 19 16-0218)		
04 05 19 16-0220			Hot-Dipped Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)		
04 05 19 16-0221	LF		24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	2.14	
04 05 19 16-0222	LF		22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	2.34	
04 05 19 16-0223	LF		20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	2.45	
04 05 19 16-0224	LF		18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	2.51	
04 05 19 16-0225	LF		16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	2.65	
04 05 19 16-0226			Mill Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)		
04 05 19 16-0227	LF		24 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	1.73	
04 05 19 16-0228	LF		22 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	1.99	
04 05 19 16-0229	LF		20 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	2.05	
04 05 19 16-0230	LF		18 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	2.14	
04 05 19 16-0231	LF		16 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	2.19	
04 05 19 16-0232			304 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)		
04 05 19 16-0233	LF		24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	2.56	
04 05 19 16-0234	LF		22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	2.94	
04 05 19 16-0235	LF		20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	3.07	
04 05 19 16-0236	LF		18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	3.50	
04 05 19 16-0237	LF		16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	3.92	
04 05 19 16-0238			316 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)		
04 05 19 16-0239	LF		24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	2.86	
04 05 19 16-0240	LF		22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	3.15	
04 05 19 16-0241	LF		20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	3.44	
04 05 19 16-0242	LF		18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	3.81	



			DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0243	LF		16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	4.03	
04 05 19 16-0244			Dovetail Corrugated Brick Ties (04 05 19 16-0218)		
04 05 19 16-0245			Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie (04 05 19 16-0244)		
04 05 19 16-0246	EA		3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	0.75	
04 05 19 16-0247	EA		5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	0.81	
04 05 19 16-0248	EA		7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	0.88	
04 05 19 16-0249	EA		3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	0.76	
04 05 19 16-0250	EA		5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	0.89	
04 05 19 16-0251	EA		7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	0.98	
04 05 19 16-0252	EA		3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	0.80	
04 05 19 16-0253	EA		5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	0.88	
04 05 19 16-0254	EA		7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	0.96	
04 05 19 16-0255			Mill Galvanized, Dovetail Corrugated Brick Tie (04 05 19 16-0244)		
04 05 19 16-0256	EA		3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	0.69	
04 05 19 16-0257	EA		5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	0.73	
04 05 19 16-0258	EA		7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	0.77	
04 05 19 16-0259	EA		3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	0.72	
04 05 19 16-0260	EA		5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	0.80	
04 05 19 16-0261	EA		7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	0.87	
04 05 19 16-0262	EA		3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	0.73	
04 05 19 16-0263	EA		5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	0.83	
04 05 19 16-0264	EA		7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	0.90	
04 05 19 16-0265			Dovetail Stone Anchors (04 05 19 16-0218)		
04 05 19 16-0266			Hot-Dipped Galvanized, Dovetail Stone Anchors (04 05 19 16-0265)		
04 05 19 16-0267	EA		3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	0.89	
04 05 19 16-0268	EA		5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	0.95	
04 05 19 16-0269	EA		7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.02	
04 05 19 16-0270			Dovetail Partition Top Anchors (04 05 19 16-0218)		
04 05 19 16-0271	EA		3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor.....	1.96	
04 05 19 16-0272	EA		3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor.....	5.69	
04 05 19 16-0273			Dovetail Flexible Triangle Brick Ties (04 05 19 16-0218)		
04 05 19 16-0274			Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties (04 05 19 16-0273)		
04 05 19 16-0275	EA		3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.31	
04 05 19 16-0276	EA		5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.40	
04 05 19 16-0277	EA		7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.46	
04 05 19 16-0278	EA		9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.52	
04 05 19 16-0279			Mill Galvanized, Dovetail Flexible Triangle Brick Ties (04 05 19 16-0273)		
04 05 19 16-0280	EA		3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.19	
04 05 19 16-0281	EA		5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.20	
04 05 19 16-0282	EA		7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.23	
04 05 19 16-0283	EA		9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.33	
04 05 19 26			Masonry Reinforcing Bars (04 05 19)		
			Note: Includes cutting and bending.		
04 05 19 26-0001			Plain Steel Masonry Reinforcement Bar (04 05 19 26)		
04 05 19 26-0002	LF		#3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	0.63	
04 05 19 26-0003	LF		#4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.02	
04 05 19 26-0004	LF		#5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.44	
04 05 19 26-0005	LF		#6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.89	
04 05 19 26-0006	LF		#3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	0.64	
04 05 19 26-0007	LF		#4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.04	
04 05 19 26-0008	LF		#5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.47	
04 05 19 26-0009	LF		#6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.93	
04 05 19 26-0010	LF		#3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	0.74	
04 05 19 26-0011	LF		#4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.19	
04 05 19 26-0012	LF		#5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.69	
04 05 19 26-0013	LF		#6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.18	
04 05 19 26-0014	LF		#3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	0.75	
04 05 19 26-0015	LF		#4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.21	
04 05 19 26-0016	LF		#5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.72	
04 05 19 26-0017	LF		#6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.22	
04 05 19 26-0018			Galvanized Steel Masonry Reinforcement Bar (04 05 19 26)		

04 Masonry
04 05 Common Work Results For Masonry
04 05 19 Masonry Anchorage And Reinforcing



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

04 05 19 26-0019	LF	#3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	0.72	
04 05 19 26-0020	LF	#4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.19	
04 05 19 26-0021	LF	#5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.70	
04 05 19 26-0022	LF	#6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.26	
04 05 19 26-0023	LF	#3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	0.73	
04 05 19 26-0024	LF	#4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.20	
04 05 19 26-0025	LF	#5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.73	
04 05 19 26-0026	LF	#6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.30	
04 05 19 26-0027	LF	#3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	0.83	
04 05 19 26-0028	LF	#4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.36	
04 05 19 26-0029	LF	#5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.95	
04 05 19 26-0030	LF	#6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.55	
04 05 19 26-0031	LF	#3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	0.84	
04 05 19 26-0032	LF	#4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.37	
04 05 19 26-0033	LF	#5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.98	
04 05 19 26-0034	LF	#6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.59	

04 05 19 26-0035 Epoxy-Coated Masonry Reinforcement Bar (04 05 19 26)

04 05 19 26-0036	LF	#3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.71	
04 05 19 26-0037	LF	#4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.17	
04 05 19 26-0038	LF	#5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.67	
04 05 19 26-0039	LF	#6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.22	
04 05 19 26-0040	LF	#3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.72	
04 05 19 26-0041	LF	#4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.18	
04 05 19 26-0042	LF	#5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.70	
04 05 19 26-0043	LF	#6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.26	
04 05 19 26-0044	LF	#3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.82	
04 05 19 26-0045	LF	#4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.34	
04 05 19 26-0046	LF	#5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.92	
04 05 19 26-0047	LF	#6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.51	
04 05 19 26-0048	LF	#3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.83	
04 05 19 26-0049	LF	#4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.35	
04 05 19 26-0050	LF	#5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.95	
04 05 19 26-0051	LF	#6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.55	

04 05 23 Masonry Accessories (04 05)

04 05 23 13 Masonry Control And Expansion Joints (04 05 23)

04 05 23 13-0001 Masonry Control Joints (04 05 23 13)

04 05 23 13-0002 Rubber, Masonry Control Joints (04 05 23 13-0001)

04 05 23 13-0003	LF	1-5/8" Width, T-Style, Rubber, Masonry Control Joint.....	3.19	0.55
04 05 23 13-0004	LF	2-5/8" Width, Rubber, Masonry Control Joint.....	3.11	0.55
04 05 23 13-0005	LF	6-7/8" Width, Rubber, Masonry Control Joint.....	6.44	0.55

04 05 23 13-0006 Polyvinyl Chloride (PVC), Masonry Control Joints (04 05 23 13-0001)

04 05 23 13-0007	LF	1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint.....	2.02	0.55
04 05 23 13-0008	LF	2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	2.09	0.55
04 05 23 13-0009	LF	4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	2.64	0.55
04 05 23 13-0010	LF	6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	2.93	0.55
04 05 23 13-0011	LF	11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	2.78	0.55

04 05 23 16 Masonry Embedded Flashing (04 05 23)

04 05 23 16-0001 Lead Coated Copper Through Wall Flashing (04 05 23 16)

04 05 23 16-0002 Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)

04 05 23 16-0003	SF	2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	4.56	1.05
04 05 23 16-0004	SF	3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	5.00	1.05
04 05 23 16-0005	SF	5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	6.20	1.05
04 05 23 16-0006	SF	7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	7.26	1.05

04 05 23 16-0007 Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)

04 05 23 16-0008	SF	2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	4.98	1.05
04 05 23 16-0009	SF	3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	5.37	1.05
04 05 23 16-0010	SF	5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	6.76	1.05
04 05 23 16-0011	SF	7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	8.04	1.05

04 05 23 16-0012 Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)

04 05 23 16-0013	SF	2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	4.66	1.05
04 05 23 16-0014	SF	3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	5.20	1.05
04 05 23 16-0015	SF	5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	5.98	1.05
04 05 23 16-0016	SF	7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	7.61	1.05



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 16-0017		Stainless Steel Through Wall Flashing (04 05 23 16)		
04 05 23 16-0018		Paper Backed 2 Sides, Stainless Steel Through Wall Flashing (04 05 23 16-0017)		
04 05 23 16-0019	SF	0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing	4.98	0.98
04 05 23 16-0020		Polyvinyl Chloride (PVC) Through Wall Flashing (04 05 23 16)		
04 05 23 16-0021	SF	0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	2.04	0.87
04 05 23 16-0022	SF	0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	2.14	0.87
04 05 23 16-0023	SF	0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	2.25	0.87
04 05 23 16-0024	SF	0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	2.62	0.87
04 05 23 16-0025		Copper Through Wall Flashing (04 05 23 16)		
04 05 23 16-0026		2 Sides Coated With Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0025)		
04 05 23 16-0027	SF	2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	3.91	0.98
04 05 23 16-0028	SF	3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	4.23	0.98
04 05 23 16-0029	SF	5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	5.11	0.98
04 05 23 16-0030	SF	7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	5.89	0.98
04 05 23 16-0031	SF	10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	6.22	0.98
04 05 23 16-0032		2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0025)		
04 05 23 16-0033	SF	2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	4.22	0.98
04 05 23 16-0034	SF	3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	4.51	0.98
04 05 23 16-0035	SF	5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	5.53	0.98
04 05 23 16-0036	SF	7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	6.46	0.98
04 05 23 16-0037	SF	10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	7.01	0.98
04 05 23 16-0038		1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0025)		
04 05 23 16-0039	SF	2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	3.94	0.98
04 05 23 16-0040	SF	3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	4.27	0.98
04 05 23 16-0041	SF	5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	5.15	0.98
04 05 23 16-0042	SF	7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	5.92	0.98
04 05 23 16-0043	SF	10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	6.25	0.98
04 05 23 16-0044		2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0025)		
04 05 23 16-0045	SF	2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	3.99	0.98
04 05 23 16-0046	SF	3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	4.38	0.98
04 05 23 16-0047	SF	5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	4.95	0.98
04 05 23 16-0048	SF	7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	6.15	0.98
04 05 23 16-0049	SF	10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	5.71	0.98
04 05 23 16-0050		2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0025)		
04 05 23 16-0051	SF	3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	5.29	0.98
04 05 23 16-0052	SF	5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	6.47	0.98
04 05 23 16-0053		2 Sides Glass Fabric, Thru-Wall Copper Flashing (04 05 23 16-0025) Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
04 05 23 16-0054	SF	3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	4.61	0.98
04 05 23 16-0055	SF	5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	5.66	0.98
04 05 23 19		Masonry Cavity Drainage, Weepholes, And Vents (04 05 23)		
04 05 23 19-0001		Brick Vents, 4" Deep, With Insect Screen (04 05 23 19) Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.		
04 05 23 19-0002	EA	8-1/8" x 2-3/8" Aluminum Brick Vent	41.25	
04 05 23 19-0003	EA	8-1/8" x 4-3/4" Aluminum Brick Vent	51.23	
04 05 23 19-0004	EA	8-1/8" x 7-3/4" Aluminum Brick Vent	64.78	
04 05 23 19-0005	EA	12" x 2-3/8" Aluminum Brick Vent	50.77	
04 05 23 19-0006	EA	12" x 4-3/4" Aluminum Brick Vent	62.83	
04 05 23 19-0007	EA	12" x 7-3/4" Aluminum Brick Vent	79.66	
04 05 23 19-0008	EA	16-1/2" x 2-3/8" Aluminum Brick Vent	60.22	
04 05 23 19-0009	EA	16-1/2" x 4-3/4" Aluminum Brick Vent	81.84	
04 05 23 19-0010	EA	16-1/2" x 7-3/4" Aluminum Brick Vent	100.27	
04 05 23 19-0011	EA	24" x 2-3/8" Aluminum Brick Vent	82.33	
04 05 23 19-0012	EA	24" x 4-3/4" Aluminum Brick Vent	107.32	
04 05 23 19-0013	EA	24" x 7-3/4" Aluminum Brick Vent	132.30	
04 05 26		Masonry Scaffolding (04 05)		

04 Masonry**04 05 Common Work Results For Masonry****04 05 26 Masonry Scaffolding**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

Note: Costs based on one use per month. For use with unit masonry construction only. Height shown in tasks is for height of work. Includes assembly and disassembly of scaffolding.

04 05 26 00-0001	Masonry Scaffolding Usage <small>(04 05 26)</small>	
	Note: Total square foot of area is determined by the square foot of wall area at which scaffolding is required, above the established 4' working height limit. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc.	
04 05 26 00-0002	CSF Exterior Building Scaffolding, 1 To 5 Story, Tubular Steel, Based On 1 Use/Month	279.82
	For Each Additional Month Of Usage, Add	96.81
	For Additional Erection And Dismantling Of Scaffolding, Add	183.01
04 05 26 00-0003	CSF Exterior Building Scaffolding, 6 To 12 Story, Tubular Steel, Based On 1 Use/Month	333.99
	For Each Additional Month Of Usage, Add	88.45
	For Additional Erection And Dismantling Of Scaffolding, Add	245.54
04 05 26 00-0004	CSF Interior Scaffolding Wall, Up To 16' Tubular Steel, Based On 1 Use/Month	228.69
	For Each Additional Month Of Usage, Add	93.13
	For Additional Erection And Dismantling Of Scaffolding, Add	135.56
04 05 26 00-0005	CSF Interior Scaffolding Wall, 16' - 30' Tubular Steel, Based On 1 Use/Month	258.77
	For Each Additional Month Of Usage, Add	94.97
	For Additional Erection And Dismantling Of Scaffolding, Add	163.80

04 20 Unit Masonry (04)

Note: Includes pointing and cleaning of new brick and mortar. Includes cutting of new bricks/blocks to size.

04 21 Clay Unit Masonry (04 20)**04 21 13 Brick Masonry** (04 21)

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors, 04 05 26 00-0000 for scaffolding.

04 21 13 00-0001 Standard Size Brick With Running Bond (04 21 13)

Note: Standard size brick, 2-2/3" x 4" x 8".

04 21 13 00-0002 Red Face Brick (04 21 13 00-0001)

04 21 13 00-0003	SF Standard Size Red Face Brick - Veneer (6.4/SF With Running Bond)	13.83
	For Full Header Every 6th Course, Add	0.44
	For English, Full Header Every Second Course, Add	0.88
	For Flemish, Alternate Header Every Course, Add	1.79
	For Curved Wall Application, Add	2.20
	For Interior Veneer Construction, Add	1.65
	For Stacked Bond, Add	1.24
	For Battered Walls (Variable Depth Surface Placement), Add	2.75
	For Corbels, Add	8.26
	For Colored Mortar, Add	0.28
	For Basket Weave Or Soldier Bond Pattern, Add	1.24
	For Herringbone Pattern, Add	1.93
	For Severe Weather (SW) Brick, Add	0.42
	For Close Tolerance (FBX), Add	1.31
	For <10, Small Area Replacements (Individual Areas), Add	16.66
	For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	11.15
04 21 13 00-0004	SF Standard Size Red Face Brick - Cavity Wall (6.4/SF With Running Bond)	15.97
	For Full Header Every 6th Course, Add	0.53
	For English, Full Header Every Second Course, Add	1.05
	For Flemish, Alternate Header Every Course, Add	2.11
	For Curved Wall Application, Add	2.63
	For Interior Veneer Construction, Add	1.97
	For Stacked Bond, Add	1.46
	For Battered Walls (Variable Depth Surface Placement), Add	3.29
	For Corbels, Add	9.86
	For Colored Mortar, Add	0.28
	For Basket Weave Or Soldier Bond Pattern, Add	1.46
	For Herringbone Pattern, Add	2.25
	For Severe Weather (SW) Brick, Add	0.42
	For Close Tolerance (FBX), Add	1.53
	For <10, Small Area Replacements (Individual Areas), Add	19.87
	For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	13.29
04 21 13 00-0005	SF Standard Size Red Face Brick - 9" Solid Wall (12.7/SF With Running Bond)	23.09
	For Full Header Every 6th Course, Add	0.70
	For English, Full Header Every Second Course, Add	1.40
	For Flemish, Alternate Header Every Course, Add	2.91
	For Curved Wall Application, Add	3.50
	For Interior Veneer Construction, Add	2.63
	For Stacked Bond, Add	2.03
	For Battered Walls (Variable Depth Surface Placement), Add	4.38
	For Corbels, Add	13.14
	For Colored Mortar, Add	0.56
	For Basket Weave Or Soldier Bond Pattern, Add	2.03
	For Herringbone Pattern, Add	3.19
	For Severe Weather (SW) Brick, Add	0.84
	For Close Tolerance (FBX), Add	2.17
	For <10, Small Area Replacements (Individual Areas), Add	26.56
	For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	17.80

04 21 13 00-0006 Common Brick (04 21 13 00-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0007 SF Select Common Brick For Veneer (6.4/SF).....	13.24	
For Full Header Every 6th Course, Add	0.42	
For English, Full Header Every Second Course, Add	0.83	
For Flemish, Alternate Header Every Course, Add	1.70	
For Curved Wall Application, Add	2.08	
For Interior Veneer Construction, Add	1.56	
For Stacked Bond, Add	1.18	
For Battered Walls (Variable Depth Surface Placement), Add	2.61	
For Corbels, Add	7.82	
For Colored Mortar, Add	0.28	
For Basket Weave Or Soldier Bond Pattern, Add	1.18	
For Herringbone Pattern, Add	1.85	
For Severe Weather (SW) Brick, Add	0.42	
For Close Tolerance (FBX), Add	1.25	
For <10, Small Area Replacements (Individual Areas), Add	15.77	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	10.56	
04 21 13 00-0008 SF Common Brick - 4" Back-up (6.4/SF).....	11.80	
For Full Header Every 6th Course, Add	0.37	
For English, Full Header Every Second Course, Add	0.74	
For Flemish, Alternate Header Every Course, Add	1.52	
For Curved Wall Application, Add	1.86	
For Interior Veneer Construction, Add	1.39	
For Stacked Bond, Add	1.05	
For Battered Walls (Variable Depth Surface Placement), Add	2.32	
For Corbels, Add	6.96	
For Colored Mortar, Add	0.25	
For Basket Weave Or Soldier Bond Pattern, Add	1.05	
For Herringbone Pattern, Add	1.64	
For Severe Weather (SW) Brick, Add	0.38	
For Close Tolerance (FBX), Add	1.12	
For <10, Small Area Replacements (Individual Areas), Add	14.05	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	9.41	
04 21 13 00-0009 SF Common Brick - 8" Back-up (12.7/SF).....	21.06	
For Full Header Every 6th Course, Add	0.64	
For English, Full Header Every Second Course, Add	1.28	
For Flemish, Alternate Header Every Course, Add	2.66	
For Curved Wall Application, Add	3.21	
For Interior Veneer Construction, Add	2.41	
For Stacked Bond, Add	1.86	
For Battered Walls (Variable Depth Surface Placement), Add	4.02	
For Corbels, Add	12.05	
For Colored Mortar, Add	0.50	
For Basket Weave Or Soldier Bond Pattern, Add	1.86	
For Herringbone Pattern, Add	2.91	
For Severe Weather (SW) Brick, Add	0.75	
For Close Tolerance (FBX), Add	1.98	
For <10, Small Area Replacements (Individual Areas), Add	24.34	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	16.31	
04 21 13 00-0010 SF Common Brick - 12" Solid (19/SF).....	29.96	
For Full Header Every 6th Course, Add	0.90	
For English, Full Header Every Second Course, Add	1.80	
For Flemish, Alternate Header Every Course, Add	3.75	
For Curved Wall Application, Add	4.50	
For Interior Veneer Construction, Add	3.37	
For Stacked Bond, Add	2.62	
For Battered Walls (Variable Depth Surface Placement), Add	5.62	
For Corbels, Add	16.87	
For Colored Mortar, Add	0.75	
For Basket Weave Or Soldier Bond Pattern, Add	2.62	
For Herringbone Pattern, Add	4.12	
For Severe Weather (SW) Brick, Add	1.12	
For Close Tolerance (FBX), Add	2.81	
For <10, Small Area Replacements (Individual Areas), Add	34.11	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	22.86	
04 21 13 00-0011 SF Common Brick - 16" Solid (25.4/SF).....	38.07	
For Full Header Every 6th Course, Add	1.12	
For English, Full Header Every Second Course, Add	2.25	
For Flemish, Alternate Header Every Course, Add	4.72	
For Curved Wall Application, Add	5.62	
For Interior Veneer Construction, Add	4.22	
For Stacked Bond, Add	3.31	
For Battered Walls (Variable Depth Surface Placement), Add	7.03	
For Corbels, Add	21.09	
For Colored Mortar, Add	1.00	
For Basket Weave Or Soldier Bond Pattern, Add	3.31	
For Herringbone Pattern, Add	5.21	
For Severe Weather (SW) Brick, Add	1.49	
For Close Tolerance (FBX), Add	3.56	
For <10, Small Area Replacements (Individual Areas), Add	42.68	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	28.62	

04	Masonry
04 20	Unit Masonry
04 21	Clay Unit Masonry



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0012 SF Common Brick As 4" Wall Face Brick (6.4/SF)	13.24	
For Full Header Every 6th Course, Add	0.42	
For English, Full Header Every Second Course, Add	0.83	
For Flemish, Alternate Header Every Course, Add	1.70	
For Curved Wall Application, Add	2.08	
For Interior Veneer Construction, Add	1.56	
For Stacked Bond, Add	1.18	
For Battered Walls (Variable Depth Surface Placement), Add	2.61	
For Corbels, Add	7.82	
For Colored Mortar, Add	0.28	
For Basket Weave Or Soldier Bond Pattern, Add	1.18	
For Herringbone Pattern, Add	1.85	
For Severe Weather (SW) Brick, Add	0.42	
For Close Tolerance (FBX), Add	1.25	
For <10, Small Area Replacements (Individual Areas), Add	15.77	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	10.56	
04 21 13 00-0013 Glazed Brick (04 21 13 00-0001)	24.60	
04 21 13 00-0014 SF Glazed Brick Veneer (7.4/SF)	24.60	
For Full Header Every 6th Course, Add	0.50	
For English, Full Header Every Second Course, Add	1.00	
For Flemish, Alternate Header Every Course, Add	2.48	
For Curved Wall Application, Add	2.49	
For Interior Veneer Construction, Add	1.87	
For Stacked Bond, Add	1.85	
For Battered Walls (Variable Depth Surface Placement), Add	3.11	
For Corbels, Add	9.34	
For Colored Mortar, Add	1.22	
For Basket Weave Or Soldier Bond Pattern, Add	1.85	
For Herringbone Pattern, Add	3.08	
For Severe Weather (SW) Brick, Add	1.82	
For Close Tolerance (FBX), Add	2.16	
For <10, Small Area Replacements (Individual Areas), Add	19.28	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	13.06	
04 21 13 00-0015 Buff Or Gray Face Brick (04 21 13 00-0001)	14.41	
04 21 13 00-0016 SF Buff (Gray) Face Brick - Veneer (6.4/SF)	14.41	
For Full Header Every 6th Course, Add	0.44	
For English, Full Header Every Second Course, Add	0.88	
For Flemish, Alternate Header Every Course, Add	1.82	
For Curved Wall Application, Add	2.20	
For Interior Veneer Construction, Add	1.65	
For Stacked Bond, Add	1.27	
For Battered Walls (Variable Depth Surface Placement), Add	2.75	
For Corbels, Add	8.26	
For Colored Mortar, Add	0.34	
For Basket Weave Or Soldier Bond Pattern, Add	1.27	
For Herringbone Pattern, Add	1.99	
For Severe Weather (SW) Brick, Add	0.51	
For Close Tolerance (FBX), Add	1.36	
For <10, Small Area Replacements (Individual Areas), Add	16.69	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	11.18	
04 21 13 00-0017 SF Buff (Gray) Face Brick - Cavity Wall (6.4/SF)	14.41	
For Full Header Every 6th Course, Add	0.44	
For English, Full Header Every Second Course, Add	0.88	
For Flemish, Alternate Header Every Course, Add	1.82	
For Curved Wall Application, Add	2.20	
For Interior Veneer Construction, Add	1.65	
For Stacked Bond, Add	1.27	
For Battered Walls (Variable Depth Surface Placement), Add	2.75	
For Corbels, Add	8.26	
For Colored Mortar, Add	0.34	
For Basket Weave Or Soldier Bond Pattern, Add	1.27	
For Herringbone Pattern, Add	1.99	
For Severe Weather (SW) Brick, Add	0.51	
For Close Tolerance (FBX), Add	1.36	
For <10, Small Area Replacements (Individual Areas), Add	16.69	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	11.18	
04 21 13 00-0018 Jumbo Or Oversized Face Brick (04 21 13)		
Note: Jumbo utility: 4" x 4" x 12", 6" jumbo: 6" x 4" x 12", 8" jumbo: 8" x 4" x 12".		
04 21 13 00-0019 Jumbo Or Oversize Brick Red Face Running Bond (04 21 13 00-0018)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21	13 00-0020	SF	Jumbo Red Face Brick - 4" Veneer (3.0/SF With Running Bond).....	10.42	
			<i>For Full Header Every 6th Course, Add</i>	0.30	
			<i>For English, Full Header Every Second Course, Add</i>	0.60	
			<i>For Flemish, Alternate Header Every Course, Add</i>	1.27	
			<i>For Curved Wall Application, Add</i>	1.50	
			<i>For Interior Veneer Construction, Add</i>	1.13	
			<i>For Stacked Bond, Add</i>	0.90	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	1.88	
			<i>For Corbels, Add</i>	5.63	
			<i>For Colored Mortar, Add</i>	0.29	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	0.90	
			<i>For Herringbone Pattern, Add</i>	1.42	
			<i>For Severe Weather (SW) Brick, Add</i>	0.44	
			<i>For Close Tolerance (FBX), Add</i>	0.97	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	11.41	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	7.66	
04 21	13 00-0021	SF	Jumbo Red Face Brick - Cavity Wall (3.0/SF With Running Bond).....	11.67	
			<i>For Full Header Every 6th Course, Add</i>	0.35	
			<i>For English, Full Header Every Second Course, Add</i>	0.70	
			<i>For Flemish, Alternate Header Every Course, Add</i>	1.46	
			<i>For Curved Wall Application, Add</i>	1.75	
			<i>For Interior Veneer Construction, Add</i>	1.31	
			<i>For Stacked Bond, Add</i>	1.02	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	2.19	
			<i>For Corbels, Add</i>	6.57	
			<i>For Colored Mortar, Add</i>	0.29	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.02	
			<i>For Herringbone Pattern, Add</i>	1.61	
			<i>For Severe Weather (SW) Brick, Add</i>	0.44	
			<i>For Close Tolerance (FBX), Add</i>	1.09	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	13.29	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	8.91	
04 21	13 00-0022	SF	Jumbo Red Face Brick - 4" Back-up (3.0/SF With Running Bond).....	9.54	
			<i>For Full Header Every 6th Course, Add</i>	0.30	
			<i>For English, Full Header Every Second Course, Add</i>	0.59	
			<i>For Flemish, Alternate Header Every Course, Add</i>	1.22	
			<i>For Curved Wall Application, Add</i>	1.48	
			<i>For Interior Veneer Construction, Add</i>	1.11	
			<i>For Stacked Bond, Add</i>	0.85	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	1.85	
			<i>For Corbels, Add</i>	5.54	
			<i>For Colored Mortar, Add</i>	0.22	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	0.85	
			<i>For Herringbone Pattern, Add</i>	1.32	
			<i>For Severe Weather (SW) Brick, Add</i>	0.32	
			<i>For Close Tolerance (FBX), Add</i>	0.90	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	11.19	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	7.50	
04 21	13 00-0023	SF	Jumbo Red Face Brick - 8" Back-up (6.0/SF With Running Bond).....	15.55	
			<i>For Full Header Every 6th Course, Add</i>	0.45	
			<i>For English, Full Header Every Second Course, Add</i>	0.90	
			<i>For Flemish, Alternate Header Every Course, Add</i>	1.90	
			<i>For Curved Wall Application, Add</i>	2.25	
			<i>For Interior Veneer Construction, Add</i>	1.69	
			<i>For Stacked Bond, Add</i>	1.34	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	2.81	
			<i>For Corbels, Add</i>	8.44	
			<i>For Colored Mortar, Add</i>	0.43	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.34	
			<i>For Herringbone Pattern, Add</i>	2.12	
			<i>For Severe Weather (SW) Brick, Add</i>	0.65	
			<i>For Close Tolerance (FBX), Add</i>	1.45	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	17.09	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	11.47	
04 21	13 00-0024	SF	Jumbo Red Face Brick - 12" Solid (9.0/SF With Running Bond).....	24.36	
			<i>For Full Header Every 6th Course, Add</i>	0.62	
			<i>For English, Full Header Every Second Course, Add</i>	1.25	
			<i>For Flemish, Alternate Header Every Course, Add</i>	2.78	
			<i>For Curved Wall Application, Add</i>	3.12	
			<i>For Interior Veneer Construction, Add</i>	2.34	
			<i>For Stacked Bond, Add</i>	2.00	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	3.91	
			<i>For Corbels, Add</i>	11.72	
			<i>For Colored Mortar, Add</i>	0.87	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	2.00	
			<i>For Herringbone Pattern, Add</i>	3.22	
			<i>For Severe Weather (SW) Brick, Add</i>	1.31	
			<i>For Close Tolerance (FBX), Add</i>	2.22	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	23.87	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	16.06	

04	Masonry
04 20	Unit Masonry
04 21	Clay Unit Masonry



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0025 SF Jumbo Red Face Brick - 16" Solid (12.0/SF With Running Bond).....	30.88	
For Full Header Every 6th Course, Add	0.77	
For English, Full Header Every Second Course, Add	1.54	
For Flemish, Alternate Header Every Course, Add	3.47	
For Curved Wall Application, Add	3.84	
For Interior Veneer Construction, Add	2.88	
For Stacked Bond, Add	2.51	
For Battered Walls (Variable Depth Surface Placement), Add	4.81	
For Corbels, Add	14.42	
For Colored Mortar, Add	1.17	
For Basket Weave Or Soldier Bond Pattern, Add	2.51	
For Herringbone Pattern, Add	4.05	
For Severe Weather (SW) Brick, Add	1.75	
For Close Tolerance (FBX), Add	2.80	
For <10, Small Area Replacements (Individual Areas), Add	29.41	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	19.80	
04 21 13 00-0026 Other Brick Shapes (04 21 13)		
04 21 13 00-0027 Norman Face Brick (04 21 13 00-0026)		
Note: 2-2/3" x 4" x 12".		
04 21 13 00-0028 Norman Brick, Red Face Running Bond (04 21 13 00-0027)		
04 21 13 00-0029 SF Red Face Norman Brick - Veneer (4.5/SF With Running Bond)	14.42	
For Buff Or Gray Face, Add	0.61	
For Marble Chip, Add	0.80	
For Full Header Every 6th Course, Add	0.43	
For English, Full Header Every Second Course, Add	0.86	
For Flemish, Alternate Header Every Course, Add	1.80	
For Curved Wall Application, Add	2.15	
For Interior Veneer Construction, Add	1.61	
For Stacked Bond, Add	1.26	
For Battered Walls (Variable Depth Surface Placement), Add	2.69	
For Corbels, Add	8.06	
For Colored Mortar, Add	0.37	
For Basket Weave Or Soldier Bond Pattern, Add	1.26	
For Herringbone Pattern, Add	1.98	
For Severe Weather (SW) Brick, Add	0.55	
For Close Tolerance (FBX), Add	1.35	
For <10, Small Area Replacements (Individual Areas), Add	16.31	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	10.93	
04 21 13 00-0030 SF Red Face Norman Brick - Cavity Wall (4.5/SF With Running Bond)	16.18	
For Buff Or Gray Face, Add	0.61	
For Marble Chip, Add	0.80	
For Full Header Every 6th Course, Add	0.50	
For English, Full Header Every Second Course, Add	1.00	
For Flemish, Alternate Header Every Course, Add	2.06	
For Curved Wall Application, Add	2.50	
For Interior Veneer Construction, Add	1.88	
For Stacked Bond, Add	1.43	
For Battered Walls (Variable Depth Surface Placement), Add	3.13	
For Corbels, Add	9.38	
For Colored Mortar, Add	0.37	
For Basket Weave Or Soldier Bond Pattern, Add	1.43	
For Herringbone Pattern, Add	2.24	
For Severe Weather (SW) Brick, Add	0.55	
For Close Tolerance (FBX), Add	1.53	
For <10, Small Area Replacements (Individual Areas), Add	18.95	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	12.69	
04 21 13 00-0031 Engineer Brick (04 21 13 00-0026)		
Note: 3-1/5" x 4" x 8".		
04 21 13 00-0032 Engineer Brick, Red Face Running Bond (04 21 13 00-0031)		
04 21 13 00-0033 SF Engineer Brick - Veneer (5.06/SF With Running Bond)	14.25	
For Full Header Every 6th Course, Add	0.43	
For English, Full Header Every Second Course, Add	0.86	
For Flemish, Alternate Header Every Course, Add	1.79	
For Curved Wall Application, Add	2.15	
For Interior Veneer Construction, Add	1.61	
For Stacked Bond, Add	1.25	
For Battered Walls (Variable Depth Surface Placement), Add	2.69	
For Corbels, Add	8.06	
For Colored Mortar, Add	0.35	
For Basket Weave Or Soldier Bond Pattern, Add	1.25	
For Herringbone Pattern, Add	1.96	
For Severe Weather (SW) Brick, Add	0.53	
For Close Tolerance (FBX), Add	1.34	
For <10, Small Area Replacements (Individual Areas), Add	16.30	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	10.93	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	04 21	13 00-0034	SF	Engineer Brick - Cavity Wall (5.06/SF With Running Bond).....	16.01	
				<i>For Full Header Every 6th Course, Add</i>	0.50	
				<i>For English, Full Header Every Second Course, Add</i>	1.00	
				<i>For Flemish, Alternate Header Every Course, Add</i>	2.05	
				<i>For Curved Wall Application, Add</i>	2.50	
				<i>For Interior Veneer Construction, Add</i>	1.88	
				<i>For Stacked Bond, Add</i>	1.43	
				<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	3.13	
				<i>For Corbels, Add</i>	9.38	
				<i>For Colored Mortar, Add</i>	0.35	
				<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.43	
				<i>For Herringbone Pattern, Add</i>	2.23	
				<i>For Severe Weather (SW) Brick, Add</i>	0.53	
				<i>For Close Tolerance (FBX), Add</i>	1.51	
				<i>For <10, Small Area Replacements (Individual Areas), Add</i>	18.94	
				<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	12.69	
	04 21	13 00-0035		Roman Brick <small>(04 21 13 00-0026)</small>		
				Note: 2" x 4" x 12" or Baby Roman 2" x 4" x 8".		
	04 21	13 00-0036		Roman Brick, Red Face Running Bond <small>(04 21 13 00-0035)</small>		
	04 21	13 00-0037	SF	Roman Brick - Veneer (5.23/SF With Running Bond).....	15.20	
				<i>For Full Header Every 6th Course, Add</i>	0.43	
				<i>For English, Full Header Every Second Course, Add</i>	0.86	
				<i>For Flemish, Alternate Header Every Course, Add</i>	1.84	
				<i>For Curved Wall Application, Add</i>	2.15	
				<i>For Interior Veneer Construction, Add</i>	1.61	
				<i>For Stacked Bond, Add</i>	1.30	
				<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	2.69	
				<i>For Corbels, Add</i>	8.06	
				<i>For Colored Mortar, Add</i>	0.45	
				<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.30	
				<i>For Herringbone Pattern, Add</i>	2.06	
				<i>For Severe Weather (SW) Brick, Add</i>	0.67	
				<i>For Close Tolerance (FBX), Add</i>	1.41	
				<i>For <10, Small Area Replacements (Individual Areas), Add</i>	16.35	
				<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	10.97	
	04 21	13 00-0038	SF	Roman Brick - Cavity Wall (5.23/SF With Running Bond)	16.96	
				<i>For Full Header Every 6th Course, Add</i>	0.50	
				<i>For English, Full Header Every Second Course, Add</i>	1.00	
				<i>For Flemish, Alternate Header Every Course, Add</i>	2.10	
				<i>For Curved Wall Application, Add</i>	2.50	
				<i>For Interior Veneer Construction, Add</i>	1.88	
				<i>For Stacked Bond, Add</i>	1.47	
				<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	3.13	
				<i>For Corbels, Add</i>	9.38	
				<i>For Colored Mortar, Add</i>	0.45	
				<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.47	
				<i>For Herringbone Pattern, Add</i>	2.32	
				<i>For Severe Weather (SW) Brick, Add</i>	0.67	
				<i>For Close Tolerance (FBX), Add</i>	1.58	
				<i>For <10, Small Area Replacements (Individual Areas), Add</i>	18.99	
				<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	12.73	
	04 21	13 00-0039	SF	Baby Roman Brick - Veneer (7.76/SF With Running Bond).....	16.01	
				<i>For Full Header Every 6th Course, Add</i>	0.43	
				<i>For English, Full Header Every Second Course, Add</i>	0.86	
				<i>For Flemish, Alternate Header Every Course, Add</i>	1.88	
				<i>For Curved Wall Application, Add</i>	2.15	
				<i>For Interior Veneer Construction, Add</i>	1.61	
				<i>For Stacked Bond, Add</i>	1.34	
				<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	2.69	
				<i>For Corbels, Add</i>	8.06	
				<i>For Colored Mortar, Add</i>	0.53	
				<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.34	
				<i>For Herringbone Pattern, Add</i>	2.14	
				<i>For Severe Weather (SW) Brick, Add</i>	0.79	
				<i>For Close Tolerance (FBX), Add</i>	1.47	
				<i>For <10, Small Area Replacements (Individual Areas), Add</i>	16.39	
				<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	11.01	
	04 21	13 00-0040	SF	Baby Roman Brick - Cavity Wall (7.76/SF With Running Bond)	17.77	
				<i>For Full Header Every 6th Course, Add</i>	0.50	
				<i>For English, Full Header Every Second Course, Add</i>	1.00	
				<i>For Flemish, Alternate Header Every Course, Add</i>	2.14	
				<i>For Curved Wall Application, Add</i>	2.50	
				<i>For Interior Veneer Construction, Add</i>	1.88	
				<i>For Stacked Bond, Add</i>	1.51	
				<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	3.13	
				<i>For Corbels, Add</i>	9.38	
				<i>For Colored Mortar, Add</i>	0.53	
				<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.51	
				<i>For Herringbone Pattern, Add</i>	2.40	
				<i>For Severe Weather (SW) Brick, Add</i>	0.79	
				<i>For Close Tolerance (FBX), Add</i>	1.65	
				<i>For <10, Small Area Replacements (Individual Areas), Add</i>	19.03	
				<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	12.77	



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0041	Norwegian Brick <small>(04 21 13 00-0026)</small> Note: 3-1/5" x 4" x 12" or 6" Norwegian 3-1/5" x 6" x 12".		
04 21 13 00-0042	Norwegian Brick, Red Face Running Bond <small>(04 21 13 00-0041)</small>		
04 21 13 00-0043	SF Norwegian Brick - Veneer (3.41/SF With Running Bond)	13.71	
	For Full Header Every 6th Course, Add	0.43	
	For English, Full Header Every Second Course, Add	0.86	
	For Flemish, Alternate Header Every Course, Add	1.76	
	For Curved Wall Application, Add	2.15	
	For Interior Veneer Construction, Add	1.61	
	For Stacked Bond, Add	1.22	
	For Battered Walls (Variable Depth Surface Placement), Add	2.69	
	For Corbels, Add	8.06	
	For Colored Mortar, Add	0.30	
	For Basket Weave Or Soldier Bond Pattern, Add	1.22	
	For Herringbone Pattern, Add	1.91	
	For Severe Weather (SW) Brick, Add	0.44	
	For Close Tolerance (FBX), Add	1.30	
	For <10, Small Area Replacements (Individual Areas), Add	16.27	
	For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	10.90	
04 21 13 00-0044	SF Norwegian Brick - Cavity Wall (3.41/SF With Running Bond)	15.47	
	For Full Header Every 6th Course, Add	0.50	
	For English, Full Header Every Second Course, Add	1.00	
	For Flemish, Alternate Header Every Course, Add	2.02	
	For Curved Wall Application, Add	2.50	
	For Interior Veneer Construction, Add	1.88	
	For Stacked Bond, Add	1.40	
	For Battered Walls (Variable Depth Surface Placement), Add	3.13	
	For Corbels, Add	9.38	
	For Colored Mortar, Add	0.30	
	For Basket Weave Or Soldier Bond Pattern, Add	1.40	
	For Herringbone Pattern, Add	2.17	
	For Severe Weather (SW) Brick, Add	0.44	
	For Close Tolerance (FBX), Add	1.47	
	For <10, Small Area Replacements (Individual Areas), Add	18.91	
	For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	12.66	
04 21 13 00-0045	SF 6" Norwegian Brick - Veneer (3.41/SF With Running Bond)	15.12	
	For Full Header Every 6th Course, Add	0.43	
	For English, Full Header Every Second Course, Add	0.86	
	For Flemish, Alternate Header Every Course, Add	1.83	
	For Curved Wall Application, Add	2.15	
	For Interior Veneer Construction, Add	1.61	
	For Stacked Bond, Add	1.29	
	For Battered Walls (Variable Depth Surface Placement), Add	2.69	
	For Corbels, Add	8.06	
	For Colored Mortar, Add	0.44	
	For Basket Weave Or Soldier Bond Pattern, Add	1.29	
	For Herringbone Pattern, Add	2.05	
	For Severe Weather (SW) Brick, Add	0.66	
	For Close Tolerance (FBX), Add	1.40	
	For <10, Small Area Replacements (Individual Areas), Add	16.34	
	For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	10.97	
04 21 13 00-0046	SF 6" Norwegian Brick - Cavity Wall (3.41/SF With Running Bond)	16.88	
	For Full Header Every 6th Course, Add	0.50	
	For English, Full Header Every Second Course, Add	1.00	
	For Flemish, Alternate Header Every Course, Add	2.10	
	For Curved Wall Application, Add	2.50	
	For Interior Veneer Construction, Add	1.88	
	For Stacked Bond, Add	1.47	
	For Battered Walls (Variable Depth Surface Placement), Add	3.13	
	For Corbels, Add	9.38	
	For Colored Mortar, Add	0.44	
	For Basket Weave Or Soldier Bond Pattern, Add	1.47	
	For Herringbone Pattern, Add	2.31	
	For Severe Weather (SW) Brick, Add	0.66	
	For Close Tolerance (FBX), Add	1.58	
	For <10, Small Area Replacements (Individual Areas), Add	18.98	
	For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	12.73	
04 21 13 00-0047	Double Face Brick <small>(04 21 13 00-0026)</small> Note: 5-1/3" x 4" x 8".		
04 21 13 00-0048	Double Face Brick, Red Face Running Bond <small>(04 21 13 00-0047)</small>		



Masonry	04	04
Unit Masonry	04 20	
Clay Unit Masonry	04 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0049 SF Double Face Brick - Veneer (3.13/SF With Running Bond)	13.11	
For Full Header Every 6th Course, Add	0.43	
For English, Full Header Every Second Course, Add	0.86	
For Flemish, Alternate Header Every Course, Add	1.73	
For Curved Wall Application, Add	2.15	
For Interior Veneer Construction, Add	1.61	
For Stacked Bond, Add	1.19	
For Battered Walls (Variable Depth Surface Placement), Add	2.69	
For Corbels, Add	8.06	
For Colored Mortar, Add	0.24	
For Basket Weave Or Soldier Bond Pattern, Add	1.19	
For Herringbone Pattern, Add	1.85	
For Severe Weather (SW) Brick, Add	0.35	
For Close Tolerance (FBX), Add	1.25	
For <10, Small Area Replacements (Individual Areas), Add	16.24	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	10.87	
04 21 13 00-0050 SF Double Face Brick - Cavity Wall (3.13/SF With Running Bond)	14.87	
For Full Header Every 6th Course, Add	0.50	
For English, Full Header Every Second Course, Add	1.00	
For Flemish, Alternate Header Every Course, Add	1.99	
For Curved Wall Application, Add	2.50	
For Interior Veneer Construction, Add	1.88	
For Stacked Bond, Add	1.37	
For Battered Walls (Variable Depth Surface Placement), Add	3.13	
For Corbels, Add	9.38	
For Colored Mortar, Add	0.24	
For Basket Weave Or Soldier Bond Pattern, Add	1.37	
For Herringbone Pattern, Add	2.11	
For Severe Weather (SW) Brick, Add	0.35	
For Close Tolerance (FBX), Add	1.43	
For <10, Small Area Replacements (Individual Areas), Add	18.88	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	12.63	
04 21 13 00-0051 Triple Face Brick <small>(04 21 13 00-0026)</small>		
Note: 5-1/3" x 4" x 12".		
04 21 13 00-0052 Triple Face Brick, Red Face Running Bond <small>(04 21 13 00-0051)</small>		
04 21 13 00-0053 SF Triple Face Brick - Veneer (2.11/SF With Running Bond)	12.72	
For Full Header Every 6th Course, Add	0.43	
For English, Full Header Every Second Course, Add	0.86	
For Flemish, Alternate Header Every Course, Add	1.71	
For Curved Wall Application, Add	2.15	
For Interior Veneer Construction, Add	1.61	
For Stacked Bond, Add	1.17	
For Battered Walls (Variable Depth Surface Placement), Add	2.69	
For Corbels, Add	8.06	
For Colored Mortar, Add	0.20	
For Basket Weave Or Soldier Bond Pattern, Add	1.17	
For Herringbone Pattern, Add	1.81	
For Severe Weather (SW) Brick, Add	0.30	
For Close Tolerance (FBX), Add	1.22	
For <10, Small Area Replacements (Individual Areas), Add	16.22	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	10.85	
04 21 13 00-0054 SF Triple Face Brick - Cavity Wall (2.11/SF With Running Bond)	14.48	
For Full Header Every 6th Course, Add	0.50	
For English, Full Header Every Second Course, Add	1.00	
For Flemish, Alternate Header Every Course, Add	1.98	
For Curved Wall Application, Add	2.50	
For Interior Veneer Construction, Add	1.88	
For Stacked Bond, Add	1.35	
For Battered Walls (Variable Depth Surface Placement), Add	3.13	
For Corbels, Add	9.38	
For Colored Mortar, Add	0.20	
For Basket Weave Or Soldier Bond Pattern, Add	1.35	
For Herringbone Pattern, Add	2.07	
For Severe Weather (SW) Brick, Add	0.30	
For Close Tolerance (FBX), Add	1.40	
For <10, Small Area Replacements (Individual Areas), Add	18.86	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	12.61	
04 21 13 00-0055 SCR Face Brick <small>(04 21 13 00-0026)</small>		
Note: 2-2/3" x 6" x 12".		
04 21 13 00-0056 SCR Face Brick, Red Face Running Bond <small>(04 21 13 00-0055)</small>		

04	Masonry
04 20	Unit Masonry
04 21	Clay Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21	13 00-0057	SF	SCR Face Brick - Veneer (4.03/SF With Running Bond)	15.83	
			For Full Header Every 6th Course, Add	0.43	
			For English, Full Header Every Second Course, Add	0.86	
			For Flemish, Alternate Header Every Course, Add	1.87	
			For Curved Wall Application, Add	2.15	
			For Interior Veneer Construction, Add	1.61	
			For Stacked Bond, Add	1.33	
			For Battered Walls (Variable Depth Surface Placement), Add	2.69	
			For Corbels, Add	8.06	
			For Colored Mortar, Add	0.51	
			For Basket Weave Or Soldier Bond Pattern, Add	1.33	
			For Herringbone Pattern, Add	2.12	
			For Severe Weather (SW) Brick, Add	0.76	
			For Close Tolerance (FBX), Add	1.46	
			For <10, Small Area Replacements (Individual Areas), Add	16.38	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	11.00	
04 21	13 00-0058	SF	SCR Face Brick - Cavity Wall (4.03/SF With Running Bond).....	17.59	
			For Full Header Every 6th Course, Add	0.50	
			For English, Full Header Every Second Course, Add	1.00	
			For Flemish, Alternate Header Every Course, Add	2.13	
			For Curved Wall Application, Add	2.50	
			For Interior Veneer Construction, Add	1.88	
			For Stacked Bond, Add	1.51	
			For Battered Walls (Variable Depth Surface Placement), Add	3.13	
			For Corbels, Add	9.38	
			For Colored Mortar, Add	0.51	
			For Basket Weave Or Soldier Bond Pattern, Add	1.51	
			For Herringbone Pattern, Add	2.38	
			For Severe Weather (SW) Brick, Add	0.76	
			For Close Tolerance (FBX), Add	1.63	
			For <10, Small Area Replacements (Individual Areas), Add	19.02	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	12.76	
04 21	13 00-0059		Fire Brick <small>(04 21 13 00-0026)</small>		
			Note: 3-1/5" x 4" x 12" or 6" Norwegian 3-1/5" x 6" x 12".		
04 21	13 00-0060		Fire Brick, Red Face Running Bond <small>(04 21 13 00-0059)</small>		
04 21	13 00-0061	SF	Fire Brick - Veneer (With Running Bond).....	15.97	
			For Full Header Every 6th Course, Add	0.43	
			For English, Full Header Every Second Course, Add	0.86	
			For Flemish, Alternate Header Every Course, Add	1.87	
			For Curved Wall Application, Add	2.15	
			For Interior Veneer Construction, Add	1.61	
			For Stacked Bond, Add	1.34	
			For Battered Walls (Variable Depth Surface Placement), Add	2.69	
			For Corbels, Add	8.06	
			For Colored Mortar, Add	0.52	
			For Basket Weave Or Soldier Bond Pattern, Add	1.34	
			For Herringbone Pattern, Add	2.13	
			For Severe Weather (SW) Brick, Add	0.78	
			For Close Tolerance (FBX), Add	1.47	
			For <10, Small Area Replacements (Individual Areas), Add	16.39	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	11.01	
04 21	13 00-0062	SF	Fire Brick - Cavity Wall (With Running Bond)	17.73	
			For Full Header Every 6th Course, Add	0.50	
			For English, Full Header Every Second Course, Add	1.00	
			For Flemish, Alternate Header Every Course, Add	2.14	
			For Curved Wall Application, Add	2.50	
			For Interior Veneer Construction, Add	1.88	
			For Stacked Bond, Add	1.51	
			For Battered Walls (Variable Depth Surface Placement), Add	3.13	
			For Corbels, Add	9.38	
			For Colored Mortar, Add	0.52	
			For Basket Weave Or Soldier Bond Pattern, Add	1.51	
			For Herringbone Pattern, Add	2.40	
			For Severe Weather (SW) Brick, Add	0.78	
			For Close Tolerance (FBX), Add	1.64	
			For <10, Small Area Replacements (Individual Areas), Add	19.03	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	12.77	
04 21	13 00-0063		Window Sill <small>(04 21 13)</small>		
04 21	13 00-0064	LF	Window Sill, Face Brick On Edge	15.54	
04 21 19			Clay Tile Masonry <small>(04 21)</small>		
04 21	19 00-0001		Scored Face, Hollow, Clay Backing Tile <small>(04 21 19)</small>		
04 21	19 00-0002		Load Bearing, Scored Face, Hollow, Clay Backing Tile <small>(04 21 19 00-0001)</small>		
04 21	19 00-0003	SF	4" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	12.60	
			For Smooth Face, One Side, Add	0.77	
			For Smooth Face, Two Sides, Add	1.28	
04 21	19 00-0004	SF	6" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	13.67	
			For Smooth Face, One Side, Add	0.85	
			For Smooth Face, Two Sides, Add	1.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 19 00-0005 SF 8" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile <i>For Smooth Face, One Side, Add</i>	15.29 0.98	
	<i>For Smooth Face, Two Sides, Add</i>	
04 21 19 00-0006 SF 10" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile <i>For Smooth Face, One Side, Add</i>	20.81 1.50	
	<i>For Smooth Face, Two Sides, Add</i>	
04 21 19 00-0007 SF 12" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile <i>For Smooth Face, One Side, Add</i>	27.21 2.09	
	<i>For Smooth Face, Two Sides, Add</i>	
04 21 19 00-0008 Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile (04 21 19 00-0001)		
04 21 19 00-0009 SF 3" Thick Non Load Bearing, Scored Face, Hollow, Clay Backing Tile..... <i>For Smooth Face, One Side, Add</i>	10.58 0.62	
	<i>For Smooth Face, Two Sides, Add</i>	
04 21 19 00-0010 SF 4" Thick Non Load Bearing, Scored Face, Hollow, Clay Backing Tile..... <i>For Smooth Face, One Side, Add</i>	12.59 0.80	
	<i>For Smooth Face, Two Sides, Add</i>	
04 21 19 00-0011 SF 6" Thick Non Load Bearing, Scored Face, Hollow, Clay Backing Tile..... <i>For Smooth Face, One Side, Add</i>	12.93 0.81	
	<i>For Smooth Face, Two Sides, Add</i>	
04 21 19 00-0012 SF 8" Thick Non Load Bearing, Scored Face, Hollow, Clay Backing Tile..... <i>For Smooth Face, One Side, Add</i>	19.49 1.43	
	<i>For Smooth Face, Two Sides, Add</i>	
04 21 19 00-0013 SF 12" Thick Non Load Bearing, Scored Face, Hollow, Clay Backing Tile..... <i>For Smooth Face, One Side, Add</i>	26.41 2.06	
	<i>For Smooth Face, Two Sides, Add</i>	
04 21 26 Glazed Structural Clay Tile Masonry (04 21)		
Note: Includes tile and mortar in all colors.		
04 21 26 00-0001 6T Series Structural Glazed Clay Tile (04 21 26)		
04 21 26 00-0002 Glazed On One Side 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)		
04 21 26 00-0003 SF 2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"..... <i>For Stacked Bond, Add</i>	21.88 1.18	
04 21 26 00-0004 SF 4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"..... <i>For Stacked Bond, Add</i>	25.81 1.18	
	<i>For 1 Hour Fire Rating, Add</i>	
04 21 26 00-0005 SF 6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"..... <i>For Stacked Bond, Add</i>	32.26 1.23	
	<i>For 2 Hour Fire Rating, Add</i>	
04 21 26 00-0006 Special Shapes 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)		
04 21 26 00-0007 LF Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile..... <i>For Stacked Bond, Add</i>	21.80 1.39	
04 21 26 00-0008 LF 2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile..... <i>For Stacked Bond, Add</i>	27.05 1.39	
04 21 26 00-0009 8W Series Structural Glazed Clay Tile (04 21 26)		
04 21 26 00-0010 Glazed On One Side 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)		
04 21 26 00-0011 SF 2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"..... <i>For Stacked Bond, Add</i>	18.69 0.75	
04 21 26 00-0012 SF 4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"..... <i>For Stacked Bond, Add</i>	23.80 0.80	
	<i>For 1 Hour Fire Rating, Add</i>	
04 21 26 00-0013 SF 6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"..... <i>For Stacked Bond, Add</i>	33.07 0.86	
	<i>For 2 Hour Fire Rating, Add</i>	
04 21 26 00-0014 Special Shapes 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)		
04 21 26 00-0015 LF Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile <i>For Stacked Bond, Add</i>	25.51 0.96	
04 21 26 00-0016 LF 2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile..... <i>For Stacked Bond, Add</i>	25.56 0.96	
04 21 26 00-0017 4W Series Structural Glazed Clay Tile (04 21 26)		
04 21 26 00-0018 Glazed On One Side 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)		
04 21 26 00-0019 SF 2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"..... <i>For Stacked Bond, Add</i>	23.35 1.18	
04 21 26 00-0020 SF 4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"..... <i>For Stacked Bond, Add</i>	25.57 1.18	
	<i>For 1 Hour Fire Rating, Add</i>	
04 21 26 00-0021 SF 6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"..... <i>For Stacked Bond, Add</i>	33.00 1.23	
	<i>For 2 Hour Fire Rating, Add</i>	

04	Masonry
04 20	Unit Masonry
04 21	Clay Unit Masonry



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 21 26 00-0022	Special Shapes 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)		
04 21 26 00-0023	LF Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile.....	22.13	
	<i>For Stacked Bond, Add</i>	1.39	
04 21 26 00-0024	LF 2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile.....	26.89	
	<i>For Stacked Bond, Add</i>	1.39	
04 21 26 00-0025	6T Series Sound Absorbing Structural Glazed Tile (04 21 26)		
04 21 26 00-0026	SF 4" Thick, 6T Sound Absorbing Structural Glazed Tile	30.50	
04 21 26 00-0027	SF 6" Thick, 6T Sound Absorbing Structural Glazed Tile	33.39	
04 21 26 00-0028	SF 8" Thick, 6T Sound Absorbing Structural Glazed Tile	38.85	
04 21 26 00-0029	8T Series Sound Absorbing Structural Glazed Tile (04 21 26)		
04 21 26 00-0030	SF 4" Thick, 8T Sound Absorbing Structural Glazed Tile	42.33	
04 21 26 00-0031	SF 6" Thick, 8T Sound Absorbing Structural Glazed Tile	48.99	
04 21 26 00-0032	SF 8" Thick, 8T Acoustical Glazed Tile	57.33	
04 21 29	Terra Cotta Masonry (04 21)		
04 21 29 00-0001	Coping (04 21 29)		
	Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.		
04 21 29 00-0002	SF Terra Cotta Coping	60.07	22.80
04 21 29 00-0003	Partition Or Back Up (Scored) (04 21 29)		
04 21 29 00-0004	Non-load Bearing, 12" x 12" (04 21 29 00-0003)		
04 21 29 00-0005	SF 3" Thick Terra Cotta, Non Load Bearing 12" x 12" Scored Face, Back-Up Partitions	13.22	
	<i>For Smooth Tile Instead Of Scored, Add</i>	1.64	
	<i>For Reinforcing With Steel Rods, Add</i>	1.57	
04 21 29 00-0006	SF 4" Thick Terra Cotta, Non Load Bearing 12" x 12" Scored Face, Back-Up Partitions	14.05	
	<i>For Smooth Tile Instead Of Scored, Add</i>	1.72	
	<i>For Reinforcing With Steel Rods, Add</i>	1.66	
04 21 29 00-0007	SF 6" Thick Terra Cotta, Non Load Bearing 12" x 12" Scored Face, Back-Up Partitions	18.04	
	<i>For Smooth Tile Instead Of Scored, Add</i>	2.35	
	<i>For Reinforcing With Steel Rods, Add</i>	2.21	
04 21 29 00-0008	SF 8" Thick Terra Cotta, Non Load Bearing 12" x 12" Scored Face, Back-Up Partitions	22.02	
	<i>For Smooth Tile Instead Of Scored, Add</i>	2.95	
	<i>For Reinforcing With Steel Rods, Add</i>	2.74	
04 21 29 00-0009	Load Bearing, 12" x 12" (04 21 29 00-0003)		
04 21 29 00-0010	In Walls (04 21 29 00-0009)		
04 21 29 00-0011	SF 4" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	14.89	
	<i>For Smooth Tile Instead Of Scored, Add</i>	1.87	
	<i>For Reinforcing With Steel Rods, Add</i>	1.78	
04 21 29 00-0012	SF 6" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	19.95	
	<i>For Smooth Tile Instead Of Scored, Add</i>	2.69	
	<i>For Reinforcing With Steel Rods, Add</i>	2.49	
04 21 29 00-0013	SF 8" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	23.88	
	<i>For Smooth Tile Instead Of Scored, Add</i>	3.29	
	<i>For Reinforcing With Steel Rods, Add</i>	3.02	
04 21 29 00-0014	SF 10" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face.....	25.11	
	<i>For Smooth Tile Instead Of Scored, Add</i>	3.36	
	<i>For Reinforcing With Steel Rods, Add</i>	3.12	
04 21 29 00-0015	SF 12" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face.....	30.13	
	<i>For Smooth Tile Instead Of Scored, Add</i>	4.08	
	<i>For Reinforcing With Steel Rods, Add</i>	3.77	
04 21 29 00-0016	In Floors (04 21 29 00-0009)		
04 21 29 00-0017	SF 4" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	13.39	
	<i>For Smooth Tile Instead Of Scored, Add</i>	1.87	
	<i>For Reinforcing With Steel Rods, Add</i>	1.71	
04 21 29 00-0018	SF 6" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	18.28	
	<i>For Smooth Tile Instead Of Scored, Add</i>	2.69	
	<i>For Reinforcing With Steel Rods, Add</i>	2.41	
04 21 29 00-0019	SF 8" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	22.17	
	<i>For Smooth Tile Instead Of Scored, Add</i>	3.29	
	<i>For Reinforcing With Steel Rods, Add</i>	2.93	
04 21 29 00-0020	SF 10" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	23.18	
	<i>For Smooth Tile Instead Of Scored, Add</i>	3.36	
	<i>For Reinforcing With Steel Rods, Add</i>	3.03	
04 21 29 00-0021	SF 12" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	27.64	
	<i>For Smooth Tile Instead Of Scored, Add</i>	4.08	
	<i>For Reinforcing With Steel Rods, Add</i>	3.65	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 22 Concrete Unit Masonry (04 20)

Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.

04 22 23 Architectural Concrete Unit Masonry (04 22)

04 22 23 13 Exposed Aggregate Concrete Unit Masonry (04 22 23)

04 22 23 13-0001 Back-Up Concrete Blocks (04 22 23 13)

04 22 23 13-0002 Back-Up Concrete Blocks (04 22 23 13-0001)

04 22 23 13-0003	SF 8" x 16" x 2", Solid, Back-Up Concrete Block	6.53	
	For Special Color, Add	0.92	
	For Stacked Bond, Add	1.41	
	For Scored Block, Add	0.22	
	For Curved Wall Application, Add	1.08	
	For <10, Small Area Replacements (Individual Areas), Add	8.21	
04 22 23 13-0004	SF 8" x 16" x 4", Regular, Back-Up Concrete Block	6.66	
	For Special Color, Add	0.81	
	For Stacked Bond, Add	1.48	
	For Scored Block, Add	0.19	
	For Curved Wall Application, Add	1.14	
	For <10, Small Area Replacements (Individual Areas), Add	8.61	
04 22 23 13-0005	SF 8" x 16" x 6", Regular, Back-Up Concrete Block	7.55	
	For Special Color, Add	1.00	
	For Stacked Bond, Add	1.65	
	For Scored Block, Add	0.24	
	For Curved Wall Application, Add	1.27	
	For <10, Small Area Replacements (Individual Areas), Add	9.60	
04 22 23 13-0006	SF 8" x 16" x 8", Regular, Back-Up Concrete Block	8.13	
	For Special Color, Add	1.17	
	For Stacked Bond, Add	1.75	
	For Scored Block, Add	0.28	
	For Curved Wall Application, Add	1.34	
	For <10, Small Area Replacements (Individual Areas), Add	10.19	
04 22 23 13-0007	SF 8" x 16" x 10", Regular, Back-Up Concrete Block	8.80	
	For Special Color, Add	1.56	
	For Stacked Bond, Add	1.80	
	For Scored Block, Add	0.38	
	For Curved Wall Application, Add	1.38	
	For <10, Small Area Replacements (Individual Areas), Add	10.52	
04 22 23 13-0008	SF 8" x 16" x 12", Regular, Back-Up Concrete Block	10.50	
	For Special Color, Add	1.63	
	For Stacked Bond, Add	2.22	
	For Scored Block, Add	0.39	
	For Curved Wall Application, Add	1.71	
	For <10, Small Area Replacements (Individual Areas), Add	12.96	

04 22 23 13-0009 Foundation Wall Concrete Blocks (04 22 23 13)

04 22 23 13-0010 Foundation Wall Concrete Blocks (04 22 23 13-0009)

04 22 23 13-0011	SF 8" x 16" x 6", Regular, Foundation Wall Concrete Block	6.83	
	For Special Color, Add	1.00	
	For Stacked Bond, Add	1.46	
	For Scored Block, Add	0.24	
	For Curved Wall Application, Add	1.12	
	For <10, Small Area Replacements (Individual Areas), Add	8.52	
04 22 23 13-0012	SF 8" x 16" x 8", Regular, Foundation Wall Concrete Block	7.41	
	For Special Color, Add	1.17	
	For Stacked Bond, Add	1.56	
	For Scored Block, Add	0.28	
	For Curved Wall Application, Add	1.20	
	For <10, Small Area Replacements (Individual Areas), Add	9.11	
04 22 23 13-0013	SF 8" x 16" x 10", Regular, Foundation Wall Concrete Block	8.50	
	For Special Color, Add	1.56	
	For Stacked Bond, Add	1.72	
	For Scored Block, Add	0.38	
	For Curved Wall Application, Add	1.32	
	For <10, Small Area Replacements (Individual Areas), Add	10.07	
04 22 23 13-0014	SF 8" x 16" x 12", Regular, Foundation Wall Concrete Block	10.50	
	For Special Color, Add	1.63	
	For Stacked Bond, Add	2.22	
	For Scored Block, Add	0.39	
	For Curved Wall Application, Add	1.71	
	For <10, Small Area Replacements (Individual Areas), Add	12.96	
04 22 23 13-0015	SF 8" x 16" x 6", Solid, Foundation Wall Concrete Block	7.38	
	For Special Color, Add	1.34	
	For Stacked Bond, Add	1.50	
	For Scored Block, Add	0.32	
	For Curved Wall Application, Add	1.15	
	For <10, Small Area Replacements (Individual Areas), Add	8.76	

04	Masonry
04 20	Unit Masonry
04 22	Concrete Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0016	SF		8" x 16" x 8", Solid, Foundation Wall Concrete Block.....	8.17	
			<i>For Special Color, Add</i>	1.59	
			<i>For Stacked Bond, Add</i>	1.63	
			<i>For Scored Block, Add</i>	0.38	
			<i>For Curved Wall Application, Add</i>	1.25	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	9.52	
04 22 23 13-0017	SF		8" x 16" x 10", Solid, Foundation Wall Concrete Block.....	9.28	
			<i>For Special Color, Add</i>	1.96	
			<i>For Stacked Bond, Add</i>	1.80	
			<i>For Scored Block, Add</i>	0.47	
			<i>For Curved Wall Application, Add</i>	1.38	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	10.56	
04 22 23 13-0018	SF		8" x 16" x 12", Solid, Foundation Wall Concrete Block.....	11.51	
			<i>For Special Color, Add</i>	2.11	
			<i>For Stacked Bond, Add</i>	2.33	
			<i>For Scored Block, Add</i>	0.51	
			<i>For Curved Wall Application, Add</i>	1.79	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	13.65	
04 22 23 13-0019			Partition Concrete Blocks (04 22 23 13)		
04 22 23 13-0020			Lightweight, Regular, Partition Concrete Blocks (04 22 23 13-0019)		
04 22 23 13-0021	SF		8" x 16" x 4", Lightweight, Regular, Partition Concrete Block.....	6.72	
			<i>For Special Color, Add</i>	0.85	
			<i>For Stacked Bond, Add</i>	1.48	
			<i>For Scored Block, Add</i>	0.21	
			<i>For Curved Wall Application, Add</i>	1.14	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	8.61	
04 22 23 13-0022	SF		8" x 16" x 6", Lightweight, Regular, Partition Concrete Block.....	7.48	
			<i>For Special Color, Add</i>	1.09	
			<i>For Stacked Bond, Add</i>	1.60	
			<i>For Scored Block, Add</i>	0.26	
			<i>For Curved Wall Application, Add</i>	1.23	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	9.35	
04 22 23 13-0023	SF		8" x 16" x 8", Lightweight, Regular, Partition Concrete Block.....	8.09	
			<i>For Special Color, Add</i>	1.22	
			<i>For Stacked Bond, Add</i>	1.72	
			<i>For Scored Block, Add</i>	0.29	
			<i>For Curved Wall Application, Add</i>	1.32	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	10.04	
04 22 23 13-0024	SF		8" x 16" x 10", Lightweight, Regular, Partition Concrete Block.....	8.88	
			<i>For Special Color, Add</i>	1.63	
			<i>For Stacked Bond, Add</i>	1.80	
			<i>For Scored Block, Add</i>	0.39	
			<i>For Curved Wall Application, Add</i>	1.38	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	10.53	
04 22 23 13-0025	SF		8" x 16" x 12", Lightweight, Regular, Partition Concrete Block.....	10.65	
			<i>For Special Color, Add</i>	1.75	
			<i>For Stacked Bond, Add</i>	2.22	
			<i>For Scored Block, Add</i>	0.42	
			<i>For Curved Wall Application, Add</i>	1.71	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	12.97	
04 22 23 13-0026			Lightweight, Solid, Partition Concrete Blocks (04 22 23 13-0019)		
04 22 23 13-0027	SF		8" x 16" x 4", Lightweight, Solid, Partition Concrete Block.....	7.21	
			<i>For Special Color, Add</i>	1.14	
			<i>For Stacked Bond, Add</i>	1.52	
			<i>For Scored Block, Add</i>	0.27	
			<i>For Curved Wall Application, Add</i>	1.17	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	8.86	
04 22 23 13-0028	SF		8" x 16" x 6", Lightweight, Solid, Partition Concrete Block.....	7.92	
			<i>For Special Color, Add</i>	1.24	
			<i>For Stacked Bond, Add</i>	1.67	
			<i>For Scored Block, Add</i>	0.30	
			<i>For Curved Wall Application, Add</i>	1.29	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	9.76	
04 22 23 13-0029	SF		8" x 16" x 8", Lightweight, Solid, Partition Concrete Block.....	8.36	
			<i>For Special Color, Add</i>	1.28	
			<i>For Stacked Bond, Add</i>	1.77	
			<i>For Scored Block, Add</i>	0.31	
			<i>For Curved Wall Application, Add</i>	1.36	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	10.35	
04 22 23 13-0030	SF		8" x 16" x 10", Lightweight, Solid, Partition Concrete Block.....	9.27	
			<i>For Special Color, Add</i>	1.77	
			<i>For Stacked Bond, Add</i>	1.86	
			<i>For Scored Block, Add</i>	0.43	
			<i>For Curved Wall Application, Add</i>	1.43	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	10.87	
04 22 23 13-0031	SF		8" x 16" x 12", Lightweight, Solid, Partition Concrete Block.....	11.11	
			<i>For Special Color, Add</i>	1.89	
			<i>For Stacked Bond, Add</i>	2.30	
			<i>For Scored Block, Add</i>	0.46	
			<i>For Curved Wall Application, Add</i>	1.77	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	13.42	



Masonry	04	04
Unit Masonry	04 20	
Concrete Unit Masonry	04 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0032 Normal Weight, Regular, Partition Concrete Blocks <small>(04 22 23 13-0019)</small>		
04 22 23 13-0033 SF 8" x 16" x 4", Normal Weight, Regular, Partition Concrete Block.....	6.87	
For Special Color, Add	0.85	
For Stacked Bond, Add	1.52	
For Scored Block, Add	0.21	
For 4" High (Half Height) Block, Add	1.01	
For Curved Wall Application, Add	1.17	
For <10, Small Area Replacements (Individual Areas), Add	8.84	
04 22 23 13-0034 SF 8" x 16" x 6", Normal Weight, Regular, Partition Concrete Block.....	7.61	
For Special Color, Add	0.98	
For Stacked Bond, Add	1.67	
For Scored Block, Add	0.24	
For 4" High (Half Height) Block, Add	1.13	
For Curved Wall Application, Add	1.29	
For <10, Small Area Replacements (Individual Areas), Add	9.73	
04 22 23 13-0035 SF 8" x 16" x 8", Normal Weight, Regular, Partition Concrete Block.....	8.18	
For Special Color, Add	1.13	
For Stacked Bond, Add	1.77	
For Scored Block, Add	0.27	
For 4" High (Half Height) Block, Add	1.24	
For Curved Wall Application, Add	1.36	
For <10, Small Area Replacements (Individual Areas), Add	10.33	
04 22 23 13-0036 SF 8" x 16" x 10", Normal Weight, Regular, Partition Concrete Block.....	9.76	
For Special Color, Add	2.17	
For Stacked Bond, Add	1.86	
For Scored Block, Add	0.52	
For 4" High (Half Height) Block, Add	1.79	
For Curved Wall Application, Add	1.43	
For <10, Small Area Replacements (Individual Areas), Add	10.91	
04 22 23 13-0037 SF 8" x 16" x 12", Normal Weight, Regular, Partition Concrete Block.....	11.53	
For Special Color, Add	2.24	
For Stacked Bond, Add	2.30	
For Scored Block, Add	0.54	
For 4" High (Half Height) Block, Add	1.99	
For Curved Wall Application, Add	1.77	
For <10, Small Area Replacements (Individual Areas), Add	13.45	
04 22 23 13-0038 Normal Weight, Solid, Partition Concrete Blocks <small>(04 22 23 13-0019)</small>		
04 22 23 13-0039 SF 8" x 16" x 4", Normal Weight, Solid, Partition Concrete Block.....	7.31	
For Special Color, Add	1.09	
For Stacked Bond, Add	1.56	
For Scored Block, Add	0.26	
For 4" High (Half Height) Block, Add	1.14	
For Curved Wall Application, Add	1.20	
For <10, Small Area Replacements (Individual Areas), Add	9.10	
04 22 23 13-0040 SF 8" x 16" x 6", Normal Weight, Solid, Partition Concrete Block.....	7.83	
For Special Color, Add	1.00	
For Stacked Bond, Add	1.72	
For Scored Block, Add	0.24	
For 4" High (Half Height) Block, Add	1.16	
For Curved Wall Application, Add	1.32	
For <10, Small Area Replacements (Individual Areas), Add	10.02	
04 22 23 13-0041 SF 8" x 16" x 8", Normal Weight, Solid, Partition Concrete Block.....	8.44	
For Special Color, Add	1.17	
For Stacked Bond, Add	1.83	
For Scored Block, Add	0.28	
For 4" High (Half Height) Block, Add	1.28	
For Curved Wall Application, Add	1.41	
For <10, Small Area Replacements (Individual Areas), Add	10.65	
04 22 23 13-0042 SF 8" x 16" x 10", Normal Weight, Solid, Partition Concrete Block.....	9.25	
For Special Color, Add	1.56	
For Stacked Bond, Add	1.92	
For Scored Block, Add	0.38	
For 4" High (Half Height) Block, Add	1.51	
For Curved Wall Application, Add	1.47	
For <10, Small Area Replacements (Individual Areas), Add	11.20	
04 22 23 13-0043 SF 8" x 16" x 12", Normal Weight, Solid, Partition Concrete Block.....	11.09	
For Special Color, Add	1.63	
For Stacked Bond, Add	2.37	
For Scored Block, Add	0.39	
For 4" High (Half Height) Block, Add	1.72	
For Curved Wall Application, Add	1.83	
For <10, Small Area Replacements (Individual Areas), Add	13.84	
04 22 23 13-0044 High Strength Concrete Blocks <small>(04 22 23 13)</small>		
04 22 23 13-0045 3,500 PSI, High Strength Concrete Blocks <small>(04 22 23 13-0044)</small>		
04 22 23 13-0046 SF 8" x 16" x 2", 3,500 PSI, High Strength Concrete Block.....	6.60	
For Special Color, Add	0.87	
For Stacked Bond, Add	1.44	
For Scored Block, Add	0.21	
For Curved Wall Application, Add	1.11	

04	Masonry
04 20	Unit Masonry
04 22	Concrete Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0047	SF		8" x 16" x 4", 3,500 PSI, High Strength Concrete Block.....	6.82	
			<i>For Special Color, Add</i>	0.81	
			<i>For Stacked Bond, Add</i>	1.52	
			<i>For Scored Block, Add</i>	0.20	
			<i>For Curved Wall Application, Add</i>	1.17	
04 22 23 13-0048	SF		8" x 16" x 6", 3,500 PSI, High Strength Concrete Block.....	7.69	
			<i>For Special Color, Add</i>	1.05	
			<i>For Stacked Bond, Add</i>	1.67	
			<i>For Scored Block, Add</i>	0.25	
			<i>For Curved Wall Application, Add</i>	1.29	
04 22 23 13-0049	SF		8" x 16" x 8", 3,500 PSI, High Strength Concrete Block.....	8.32	
			<i>For Special Color, Add</i>	1.25	
			<i>For Stacked Bond, Add</i>	1.77	
			<i>For Scored Block, Add</i>	0.30	
			<i>For Curved Wall Application, Add</i>	1.36	
04 22 23 13-0050	SF		8" x 16" x 10", 3,500 PSI, High Strength Concrete Block.....	9.33	
			<i>For Special Color, Add</i>	1.73	
			<i>For Stacked Bond, Add</i>	1.89	
			<i>For Scored Block, Add</i>	0.42	
			<i>For Curved Wall Application, Add</i>	1.45	
04 22 23 13-0051	SF		8" x 16" x 12", 3,500 PSI, High Strength Concrete Block.....	11.02	
			<i>For Special Color, Add</i>	1.82	
			<i>For Stacked Bond, Add</i>	2.30	
			<i>For Scored Block, Add</i>	0.44	
			<i>For Curved Wall Application, Add</i>	1.77	
04 22 23 13-0052			Solar Screen Concrete Blocks (04 22 23 13)		
04 22 23 13-0053			Solar Screen Concrete Blocks (04 22 23 13-0052)		
04 22 23 13-0054	SF		6" x 6" x 4" Solar Screen Concrete Block.....	9.27	
			<i>For Special Color, Add</i>	2.04	
			<i>For Stacked Bond, Add</i>	1.77	
			<i>For Scored Block, Add</i>	0.49	
			<i>For Curved Wall Application, Add</i>	1.36	
04 22 23 13-0055	SF		8" x 8" x 4" Solar Screen Concrete Block.....	9.96	
			<i>For Special Color, Add</i>	2.07	
			<i>For Stacked Bond, Add</i>	1.94	
			<i>For Scored Block, Add</i>	0.50	
			<i>For Curved Wall Application, Add</i>	1.49	
04 22 23 13-0056	SF		12" x 12" x 4" Solar Screen Concrete Block.....	11.49	
			<i>For Special Color, Add</i>	2.60	
			<i>For Stacked Bond, Add</i>	2.17	
			<i>For Scored Block, Add</i>	0.63	
			<i>For Curved Wall Application, Add</i>	1.67	
04 22 23 13-0057	SF		8" x 16" x 8" Solar Screen Concrete Block.....	16.19	
			<i>For Special Color, Add</i>	3.20	
			<i>For Stacked Bond, Add</i>	3.21	
			<i>For Scored Block, Add</i>	0.77	
			<i>For Curved Wall Application, Add</i>	2.47	
04 22 23 13-0058			Bond Beam Or Lintel Concrete Blocks (04 22 23 13)		
04 22 23 13-0059			Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0058)		
			Note: Excludes concrete fill and reinforcing. See CSI section 04 05 16 26-0000 for concrete fill.		
04 22 23 13-0060	LF		8" x 16" x 6" Regular Weight, Bond Beam Or Lintel Concrete Block.....	7.81	
			<i>For Special Color, Add</i>	1.15	
			<i>For Stacked Bond, Add</i>	1.67	
			<i>For Grout And Fill With 2 #5 Rebar, Add</i>	4.60	
			<i>For Scored Block, Add</i>	0.28	
			<i>For Curved Wall Application, Add</i>	1.29	
04 22 23 13-0061	LF		8" x 16" x 8" Regular Weight, Bond Beam Or Lintel Concrete Block.....	8.54	
			<i>For Special Color, Add</i>	1.43	
			<i>For Stacked Bond, Add</i>	1.77	
			<i>For Grout And Fill With 2 #5 Rebar, Add</i>	5.13	
			<i>For Scored Block, Add</i>	0.34	
			<i>For Curved Wall Application, Add</i>	1.36	
04 22 23 13-0062	LF		8" x 16" x 12" Regular Weight, Bond Beam Or Lintel Concrete Block.....	10.67	
			<i>For Special Color, Add</i>	1.53	
			<i>For Stacked Bond, Add</i>	2.30	
			<i>For Grout And Fill With 2 #5 Rebar, Add</i>	6.26	
			<i>For Scored Block, Add</i>	0.37	
			<i>For Curved Wall Application, Add</i>	1.77	
04 22 23 13-0063	LF		8" x 16" x 6" Lightweight, Bond Beam Or Lintel Concrete Block.....	7.78	
			<i>For Special Color, Add</i>	1.34	
			<i>For Stacked Bond, Add</i>	1.60	
			<i>For Grout And Fill With 2 #5 Rebar, Add</i>	4.70	
			<i>For Scored Block, Add</i>	0.32	
			<i>For Curved Wall Application, Add</i>	1.23	
04 22 23 13-0064	LF		8" x 16" x 8" Lightweight, Bond Beam Or Lintel Concrete Block.....	8.57	
			<i>For Special Color, Add</i>	1.62	
			<i>For Stacked Bond, Add</i>	1.72	
			<i>For Grout And Fill With 2 #5 Rebar, Add</i>	5.26	
			<i>For Scored Block, Add</i>	0.39	
			<i>For Curved Wall Application, Add</i>	1.32	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23	13-0065	LF	8" x 16" x 12" Lightweight, Bond Beam Or Lintel Concrete Block.....	10.61	
			<i>For Special Color, Add</i>	1.72	
			<i>For Stacked Bond, Add</i>	2.22	
			<i>For Grout And Fill With 2 #5 Rebar, Add</i>	6.34	
			<i>For Scored Block, Add</i>	0.41	
			<i>For Curved Wall Application, Add</i>	1.71	
04 22 23 23	Prefaced Concrete Unit Masonry (04 22 23)				
04 22 23 23-0001	Ground Face Concrete Blocks (04 22 23 23)				
04 22 23 23-0002	SF		8" x 16" x 4" Ground Face Concrete Block	8.79	
			<i>For Special Color, Add</i>	1.37	
			<i>For Stacked Bond, Add</i>	1.86	
			<i>For Scored Block, Add</i>	0.33	
			<i>For Curved Wall Application, Add</i>	1.43	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	10.83	
04 22 23 23-0003	SF		8" x 16" x 6" Ground Face Concrete Block	9.92	
			<i>For Special Color, Add</i>	1.56	
			<i>For Stacked Bond, Add</i>	2.09	
			<i>For Scored Block, Add</i>	0.38	
			<i>For Curved Wall Application, Add</i>	1.61	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	12.20	
04 22 23 23-0004	SF		8" x 16" x 8" Ground Face Concrete Block	10.72	
			<i>For Special Color, Add</i>	1.85	
			<i>For Stacked Bond, Add</i>	2.21	
			<i>For Scored Block, Add</i>	0.45	
			<i>For Curved Wall Application, Add</i>	1.70	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	12.90	
04 22 23 23-0005	SF		8" x 16" x 10" Ground Face Concrete Block	11.46	
			<i>For Special Color, Add</i>	2.04	
			<i>For Stacked Bond, Add</i>	2.34	
			<i>For Scored Block, Add</i>	0.49	
			<i>For Curved Wall Application, Add</i>	1.80	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	13.68	
04 22 23 23-0006	SF		8" x 16" x 12" Ground Face Concrete Block	13.71	
			<i>For Special Color, Add</i>	2.22	
			<i>For Stacked Bond, Add</i>	2.87	
			<i>For Scored Block, Add</i>	0.54	
			<i>For Curved Wall Application, Add</i>	2.21	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	16.75	
04 22 23 26	Sound-Absorbing Concrete Unit Masonry (04 22 23)				
04 22 23 26-0001	Acoustical Slotted Concrete Block (04 22 23 26)				
04 22 23 26-0002	SF		4" Thick, .45 - .55 NRC, Slotted, Acoustical Concrete Block	11.71	
			<i>For Special Color, Add</i>	0.41	
			<i>For Stacked Bond, Add</i>	0.71	
04 22 23 26-0003	SF		6" Thick, .45 - .55 NRC, Slotted, Acoustical Concrete Block	13.11	
			<i>For Special Color, Add</i>	0.48	
			<i>For Stacked Bond, Add</i>	0.78	
04 22 23 26-0004	SF		8" Thick, .50 - .60 NRC, Slotted, Acoustical Concrete Block	15.09	
			<i>For Special Color, Add</i>	0.59	
			<i>For Stacked Bond, Add</i>	0.85	
04 22 23 26-0005	SF		4" Thick, .65 - .75 NRC, Slotted With Filled Cavities, Acoustical Concrete Block	15.86	
			<i>For Special Color, Add</i>	0.78	
			<i>For Stacked Bond, Add</i>	0.71	
04 22 23 26-0006	SF		8" Thick, .50 - .60 NRC, Slotted With Filled Cavities, Acoustical Concrete Block	15.87	
			<i>For Special Color, Add</i>	0.66	
			<i>For Stacked Bond, Add</i>	0.85	
04 22 23 26-0007	SF		8" Thick, .60 - .75 NRC, Slotted With Filled Cavities, Acoustical Concrete Block	16.91	
			<i>For Special Color, Add</i>	0.76	
			<i>For Stacked Bond, Add</i>	0.85	
04 22 23 29	Split-Face Concrete Unit Masonry (04 22 23)				
04 22 23 29-0001	Modified Face Concrete Blocks (04 22 23 29)				
04 22 23 29-0002	Plain Or Scored Split Faced Concrete Blocks (04 22 23 29-0001)				
04 22 23 29-0003	SF		8" x 16" x 4" Plain Or Scored Split Face Concrete Block	8.99	
			<i>For Special Color, Add</i>	1.54	
			<i>For Stacked Bond, Add</i>	1.86	
			<i>For Curved Wall Application, Add</i>	1.43	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	10.85	
04 22 23 29-0004	SF		8" x 16" x 6" Plain Or Scored Split Face Concrete Block	10.15	
			<i>For Special Color, Add</i>	1.75	
			<i>For Stacked Bond, Add</i>	2.09	
			<i>For Curved Wall Application, Add</i>	1.61	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	12.22	
04 22 23 29-0005	SF		8" x 16" x 8" Plain Or Scored Split Face Concrete Block	10.98	
			<i>For Special Color, Add</i>	2.07	
			<i>For Stacked Bond, Add</i>	2.21	
			<i>For Curved Wall Application, Add</i>	1.70	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	12.92	

04	Masonry
04 20	Unit Masonry
04 22	Concrete Unit Masonry



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 29-0006	SF 8" x 16" x 10" Plain Or Scored Split Face Concrete Block	11.77	
	For Special Color, Add	2.30	
	For Stacked Bond, Add	2.34	
	For Curved Wall Application, Add	1.80	
	For <10, Small Area Replacements (Individual Areas), Add	13.71	
04 22 23 29-0007	SF 8" x 16" x 12" Plain Or Scored Split Face Concrete Block	13.70	
	For Special Color, Add	2.22	
	For Stacked Bond, Add	2.87	
	For Curved Wall Application, Add	2.21	
	For <10, Small Area Replacements (Individual Areas), Add	16.75	
04 22 23 29-0008	Plain Or Scored Split Faced Bond Beam Or Lintel Concrete Blocks (04 22 23 29-0001)		
04 22 23 29-0009	SF 8" x 16" x 4" Plain Or Scored Split Face Bond Beam Or Lintel Concrete Blocks	9.45	
	For Special Color, Add	1.92	
	For Stacked Bond, Add	1.86	
	For Grout And Fill With 2 #5 Rebar, Add	5.88	
	For Curved Wall Application, Add	1.43	
	For <10, Small Area Replacements (Individual Areas), Add	10.88	
04 22 23 29-0010	SF 8" x 16" x 6" Plain Or Scored Split Face Bond Beam Or Lintel Concrete Blocks	10.68	
	For Special Color, Add	2.19	
	For Stacked Bond, Add	2.09	
	For Grout And Fill With 2 #5 Rebar, Add	6.66	
	For Curved Wall Application, Add	1.61	
	For <10, Small Area Replacements (Individual Areas), Add	12.26	
04 22 23 29-0011	SF 8" x 16" x 8" Plain Or Scored Split Face Bond Beam Or Lintel Concrete Blocks	11.60	
	For Special Color, Add	2.58	
	For Stacked Bond, Add	2.21	
	For Grout And Fill With 2 #5 Rebar, Add	7.36	
	For Curved Wall Application, Add	1.70	
	For <10, Small Area Replacements (Individual Areas), Add	12.97	
04 22 23 29-0012	SF 8" x 16" x 10" Plain Or Scored Split Face Bond Beam Or Lintel Concrete Blocks	12.46	
	For Special Color, Add	2.87	
	For Stacked Bond, Add	2.34	
	For Grout And Fill With 2 #5 Rebar, Add	7.96	
	For Curved Wall Application, Add	1.80	
	For <10, Small Area Replacements (Individual Areas), Add	13.76	
04 22 23 29-0013	SF 8" x 16" x 12" Plain Or Scored Split Face Bond Beam Or Lintel Concrete Blocks	14.37	
	For Special Color, Add	2.77	
	For Stacked Bond, Add	2.87	
	For Grout And Fill With 2 #5 Rebar, Add	8.86	
	For Curved Wall Application, Add	2.21	
	For <10, Small Area Replacements (Individual Areas), Add	16.80	
04 22 23 29-0014	Profile Units, Split Rib Concrete Block (04 22 23 29)		
04 22 23 29-0015	1" Deep Ribs, Profile Units, Split Rib Concrete Block (04 22 23 29-0014)		
04 22 23 29-0016	SF 8" x 16" x 4", 1" Deep Ribs, Profile Units, Split Rib Concrete Block	8.84	
	For Special Color, Add	1.41	
	For Stacked Bond, Add	1.86	
	For Scored Block, Add	0.34	
	For Curved Wall Application, Add	1.43	
	For <10, Small Area Replacements (Individual Areas), Add	10.84	
04 22 23 29-0017	SF 8" x 16" x 6", 1" Deep Ribs, Profile Units, Split Rib Concrete Block	10.50	
	For Special Color, Add	2.04	
	For Stacked Bond, Add	2.09	
	For Scored Block, Add	0.49	
	For Curved Wall Application, Add	1.61	
	For <10, Small Area Replacements (Individual Areas), Add	12.24	
04 22 23 29-0018	SF 8" x 16" x 8", 1" Deep Ribs, Profile Units, Split Rib Concrete Block	11.16	
	For Special Color, Add	2.22	
	For Stacked Bond, Add	2.21	
	For Scored Block, Add	0.53	
	For Curved Wall Application, Add	1.70	
	For <10, Small Area Replacements (Individual Areas), Add	12.94	
04 22 23 29-0019	SF 8" x 16" x 10", 1" Deep Ribs, Profile Units, Split Rib Concrete Block	11.91	
	For Special Color, Add	2.42	
	For Stacked Bond, Add	2.34	
	For Scored Block, Add	0.58	
	For Curved Wall Application, Add	1.80	
	For <10, Small Area Replacements (Individual Areas), Add	13.72	
04 22 23 29-0020	SF 8" x 16" x 12", 1" Deep Ribs, Profile Units, Split Rib Concrete Block	14.22	
	For Special Color, Add	2.65	
	For Stacked Bond, Add	2.87	
	For Scored Block, Add	0.64	
	For Curved Wall Application, Add	2.21	
	For <10, Small Area Replacements (Individual Areas), Add	16.78	
04 22 23 31	Glazed Concrete Masonry Unit (04 22 23)		
	Note: Includes concrete block and mortar.		
04 22 23 31-0001	One Glazed Face Concrete Blocks (04 22 23 31)		
04 22 23 31-0002	One Glazed Face Concrete Blocks (04 22 23 31-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 31-0003 SF 4" Thick, One Glazed Face Concrete Block.....	15.10	
For Special Shapes, Add	8.18	
04 22 23 31-0004 SF 6" Thick, One Glazed Face Concrete Block.....	16.19	
For Special Shapes, Add	8.57	
04 22 23 31-0005 SF 8" Thick, One Glazed Face Concrete Block.....	17.15	
For Special Shapes, Add	9.11	
04 22 23 31-0006 SF 10" Thick, One Glazed Face Concrete Block.....	18.16	
For Special Shapes, Add	9.67	
04 22 23 31-0007 SF 12" Thick, One Glazed Face Concrete Block.....	20.52	
For Special Shapes, Add	10.14	
04 22 23 31-0008 Two Glazed Faces Concrete Blocks (04 22 23 31)		
04 22 23 31-0009 Two Glazed Faces Concrete Blocks (04 22 23 31-0008)		
04 22 23 31-0010 SF 4" Thick, Two Glazed Faces Concrete Block.....	20.05	
For Special Shapes, Add	12.15	
04 22 23 31-0011 SF 6" Thick, Two Glazed Faces Concrete Block.....	21.04	
For Special Shapes, Add	12.55	
04 22 23 31-0012 SF 8" Thick, Two Glazed Faces Concrete Block.....	22.48	
For Special Shapes, Add	13.10	
04 22 23 31-0013 Glazed Cove Base Concrete Blocks (04 22 23 31)		
04 22 23 31-0014 LF 2" Thick, Glazed Cove Base Concrete Block.....	16.33	
For Special Shapes, Add	7.33	
04 22 23 31-0015 LF 4" Thick, Glazed Cove Base Concrete Block.....	17.26	
For Special Shapes, Add	7.48	
04 22 23 31-0016 LF 6" Thick, Glazed Cove Base Concrete Block.....	18.51	
For Special Shapes, Add	7.80	
04 22 23 31-0017 LF 8" Thick, Glazed Cove Base Concrete Block.....	19.72	
For Special Shapes, Add	8.18	
04 22 23 31-0018 Glazed Corner, Bullnose Or Square Concrete Blocks (04 22 23 31)		
04 22 23 31-0019 EA 2" Thick, Glazed Corner, Bullnose Or Square Concrete Block.....	21.18	
For Special Shapes, Add	14.04	
04 22 23 31-0020 EA 4" Thick, Glazed Corner, Bullnose Or Square Concrete Block.....	24.68	
For Special Shapes, Add	16.78	
04 22 23 31-0021 EA 6" Thick, Glazed Corner, Bullnose Or Square Concrete Block.....	26.36	
For Special Shapes, Add	17.71	
04 22 23 31-0022 EA 8" Thick, Glazed Corner, Bullnose Or Square Concrete Block.....	27.66	
For Special Shapes, Add	18.66	
04 22 23 31-0023 EA 10" Thick, Glazed Corner, Bullnose Or Square Concrete Block.....	42.14	
For Special Shapes, Add	32.76	
04 22 23 31-0024 EA 12" Thick, Glazed Corner, Bullnose Or Square Concrete Block.....	48.15	
For Special Shapes, Add	36.63	
04 23 Glass Unit Masonry (04 20)		
04 23 13 Vertical Glass Unit Masonry (04 23)		
Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.		
04 23 13 00-0001 Glass Block Unit Masonry (04 23 13)		
04 23 13 00-0002 SF 6" x 6" x 4" Plain Glass Block.....	34.46	
For Solar Reflective (Suntrol) Blocks, Add	5.69	
For Essex (Horizontal Striated) Blocks, Add	3.25	
For Sculptured Or Patterned Blocks, Add	5.69	
For Colored Glass, Add	16.25	
For Thinline Block, Deduct	-4.06	
For >1,000 To 5,000, Deduct	-2.62	
For >5,000, Deduct	-4.34	
04 23 13 00-0003 SF 8" x 8" x 4" Plain Glass Block.....	24.90	
For Solar Reflective (Suntrol) Blocks, Add	4.03	
For Essex (Horizontal Striated) Blocks, Add	2.30	
For Sculptured Or Patterned Blocks, Add	4.03	
For Colored Glass, Add	11.51	
For Thinline Block, Deduct	-2.88	
For >1,000 To 5,000, Deduct	-1.91	
For >5,000, Deduct	-3.15	
04 23 13 00-0004 SF 12" x 12" x 4" Plain Glass Block.....	27.02	
For Solar Reflective (Suntrol) Blocks, Add	5.15	
For Essex (Horizontal Striated) Blocks, Add	2.94	
For Sculptured Or Patterned Blocks, Add	5.15	
For Colored Glass, Add	14.70	
For Thinline Block, Deduct	-3.68	
For >1,000 To 5,000, Deduct	-1.96	
For >5,000, Deduct	-3.31	
04 23 13 00-0005 Solid Glass Block (Vistabrik®) (04 23 13)		
04 23 13 00-0006 SF 3" x 8" x 3" Solid Glass Block (Vistabrik®).....	290.72	
04 23 13 00-0007 SF 4" x 8" x 3" Solid Glass Block (Vistabrik®).....	221.65	

04	04	Masonry
	04 20	Unit Masonry
	04 23	Glass Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 23 13 00-0008	SF		6" x 8" x 3" Solid Glass Block (Vistabrik®).....	153.41	
04 23 13 00-0009	SF		8" x 8" x 3" Solid Glass Block (Vistabrik®).....	107.64	

04 26 Single-Wythe Unit Masonry (04 20)

04 26 13 Masonry Veneer (04 26)

04 26 13 00-0001			Brick Veneer And Accessories <small>(04 26 13)</small>		
04 26 13 00-0002			Brick Stretchers <small>(04 26 13 00-0001)</small>		
04 26 13 00-0003	SF		1/2" x 2-1/4" x 7-5/8" Brick Veneer, Stretcher, Smooth Finish	10.58	0.77
			<i>For Sand Finish, Deduct</i>	-0.81	
			<i>For Wire Cut Finish, Add</i>	0.72	
04 26 13 00-0004	SF		1/2" x 3-5/8" x 7-5/8" Brick Veneer, Stretcher, Smooth Finish	10.77	0.86
			<i>For Sand Finish, Deduct</i>	-0.81	
			<i>For Wire Cut Finish, Add</i>	0.72	
04 26 13 00-0005	SF		1/2" x 3-5/8" x 11-5/8" Brick Veneer, Stretcher, Smooth Finish	11.01	1.00
			<i>For Sand Finish, Deduct</i>	-0.81	
			<i>For Wire Cut Finish, Add</i>	0.72	
04 26 13 00-0006			Brick Corners <small>(04 26 13 00-0001)</small>		
04 26 13 00-0007	LF		1/2" x 2-1/4" x 7-5/8" Brick Veneer, Smooth Finish, Corner	16.89	2.31
04 26 13 00-0008	LF		1/2" x 3-5/8" x 7-5/8" Brick Veneer, Smooth Finish, Corner	14.85	2.30
04 26 13 00-0009			Brick Caps And Sills <small>(04 26 13 00-0001)</small>		
04 26 13 00-0010	LF		1" x 3 7/8" Brick Veneer, Smooth, Rolok Sill With Bracket	13.66	2.80
04 26 13 00-0011	EA		3-5/8" x 2-1/4" x 7-5/8" Brick Veneer Edge Cap	7.76	1.16
04 26 13 00-0012	EA		3-5/8" x 2-1/4" x 7-5/8" Brick Veneer Corner Edge Cap, L or R	13.14	1.16
04 26 13 00-0013			Brick Veneer Accessories <small>(04 26 13 00-0001)</small>		
04 26 13 00-0014	LF		2-7/8" Brick Veneer, Starter Angle	3.75	0.44
04 26 13 00-0015	LF		3-5/8" Brick Veneer, Top Side Angle	3.95	0.44

04 40 Stone Assemblies (04)

Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.

04 41 Dry-Placed Stone (04 40)

04 41 00 00-0001			Ashlar Veneer, Random Size, Square Cut Rough Stone <small>(04 41)</small>		
04 41 00 00-0002	SF		4" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	23.47	4.27
04 41 00 00-0003	SF		6" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	24.12	4.27

04 42 Exterior Stone Cladding (04 40)

04 42 43 Stone Panels For Curtain Walls (04 42)

04 42 43 00-0001			Marble Facing Panels <small>(04 42 43)</small>		
			Note: 3' x 1.5'		
04 42 43 00-0002	SF		3/4" Thick Marble Facing Panels	51.13	9.90
04 42 43 00-0003	SF		7/8" Thick Marble Facing Panels	54.42	10.04
04 42 43 00-0004	SF		1-1/2" Thick Marble Facing Panels	64.04	10.22
04 42 43 00-0005	SF		2" Thick Marble Facing Panels	71.01	10.54
04 42 43 00-0006	SF		2-1/4" Thick Marble Facing Panels	75.72	11.18
04 42 43 00-0007	CF		Marble Face Panel	328.96	36.44
04 42 43 00-0008			Smooth Limestone Panels <small>(04 42 43)</small>		
			Note: Up to 12' x 5' panels.		
04 42 43 00-0009	SF		1-1/2" Thick Smooth Limestone Panels	39.83	19.87
04 42 43 00-0010	SF		2" Thick Smooth Limestone Panels	42.46	20.83
04 42 43 00-0011	SF		3" Thick Smooth Limestone Panels	45.29	21.79
04 42 43 00-0012	SF		4" Thick Smooth Limestone Panels	53.59	23.97
04 42 43 00-0013			Sandstone Panels <small>(04 42 43)</small>		
04 42 43 00-0014	SF		2-1/2" Thick Sandstone Panels	47.39	20.83
04 42 43 00-0015	SF		4" Thick Sandstone Panels	51.08	23.97
04 42 43 00-0016	SF		Split Face Sandstone Panels, Random Sizes	45.21	23.97

04 43 Stone Masonry (04 40)

04 43 16 Stone Fabrications (04 43)

04 43 16 00-0001			Marble <small>(04 43 16)</small>		
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	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 43 16 00-0002				Marble Base (04 43 16 00-0001) Note: 1" thick.		
	04 43 16 00-0003	LF		4" High Marble Base.....	66.09	39.13
	04 43 16 00-0004	LF		6" High Marble Base.....	76.06	42.63
04 43 16 00-0005				Marble Columns (04 43 16 00-0001)		
	04 43 16 00-0006	CF		Plain Faced Solid Marble Columns.....	216.61	36.44
	04 43 16 00-0007	CF		Fluted, Carved Solid Marble Columns.....	381.68	36.44
04 43 16 00-0008				Marble Flooring (04 43 16 00-0001)		
	04 43 16 00-0009	SF		3/8" Uniform Color Marble Flooring.....	19.77	8.96
	04 43 16 00-0010	SF		1/2" Uniform Color Marble Flooring.....	21.60	8.96
	04 43 16 00-0011	SF		1/2" Travertine Marble Flooring.....	26.22	10.24
04 43 16 00-0012				Marble Items (04 43 16 00-0001)		
	04 43 16 00-0013	LF		12" Wide Marble Stair Treads.....	58.25	14.03
	04 43 16 00-0014	LF		6" Wide Marble Stair Risers.....	44.02	11.25
	04 43 16 00-0015	LF		6" Wide x 2" Thick Marble Window Sills.....	25.43	8.38
	04 43 16 00-0016	LF		5" Wide x 7/8" Thick Marble Window Stool, Polished.....	53.16	10.29
	04 43 16 00-0017	SF		7/8" Thick, Non Skid, Marble Patio Blocks.....	25.76	12.99
04 43 16 00-0018				Limestone (04 43 16)		
04 43 16 00-0019				Ashlar Veneer Limestone (04 43 16 00-0018)		
	04 43 16 00-0020	SF		4" Ashlar Veneer Limestone, Random Sizes.....	45.05	14.03
	04 43 16 00-0021	SF		6" To 8" Thick, Pitched Face Ashlar Veneer Limestone, Random Sizes.....	70.37	19.28
				<i>For High Lime Historic Mortar, Add</i>	0.04	
04 43 16 00-0022				Limestone Coping (04 43 16 00-0018) Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.		
	04 43 16 00-0023	SF		2-1/2" Thick Limestone Coping.....	21.53	5.11
	04 43 16 00-0024	SF		3" Thick Limestone Coping.....	24.44	5.43
	04 43 16 00-0025	SF		3-1/2" Thick Limestone Coping.....	27.34	5.75
	04 43 16 00-0026	SF		4" Thick Limestone Coping.....	29.60	5.94
	04 43 16 00-0027	SF		5" Thick Limestone Coping.....	34.77	6.07
	04 43 16 00-0028	SF		6" Thick Limestone Coping.....	53.26	6.39
	04 43 16 00-0029	CF		>6" Thick Limestone Coping.....	86.73	12.72
04 43 16 00-0030				Limestone Stair Treads (04 43 16 00-0018)		
	04 43 16 00-0031	SF		2" Thick Limestone Treads.....	24.37	4.79
	04 43 16 00-0032	SF		2-1/2" Thick Limestone Treads.....	26.09	5.11
	04 43 16 00-0033	SF		3" Thick Limestone Treads.....	29.52	5.43
	04 43 16 00-0034	SF		3-1/2" Thick Limestone Treads.....	32.31	5.75
	04 43 16 00-0035	SF		4" Thick Limestone Treads.....	35.10	5.75
	04 43 16 00-0036	SF		5" Thick Limestone Treads.....	39.40	6.07
	04 43 16 00-0037	SF		6" Thick Limestone Tread, Smooth Finish.....	57.62	6.39
04 43 16 00-0038				Limestone Items (04 43 16 00-0018)		
	04 43 16 00-0039	CF		Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim.....	133.64	47.72
04 43 16 00-0040				Granite (04 43 16)		
04 43 16 00-0041				Polished Granite Veneer Facing Panels (04 43 16 00-0040) Note: Excludes structural support steel.		
	04 43 16 00-0042	SF		7/8" Thick Black Polished Granite Veneer Facing Panels.....	64.80	20.01
	04 43 16 00-0043	SF		7/8" Thick Gray Polished Granite Veneer Facing Panels.....	58.76	20.01
04 43 16 00-0044				Granite Stair Treads (04 43 16 00-0040)		
	04 43 16 00-0045	SF		2" Thick Granite Stair Tread.....	37.99	4.79
04 43 16 00-0046				Slate (04 43 16)		
04 43 16 00-0047				Slate Panels Or Sills (04 43 16 00-0046)		
	04 43 16 00-0048	SF		1" Thick Slate Panels.....	41.56	20.01
	04 43 16 00-0049	SF		2" Thick Slate Panels.....	51.20	20.01
04 43 16 00-0050				Slate Sills Or Stools (04 43 16 00-0046)		
	04 43 16 00-0051	LF		6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	19.13	8.43
	04 43 16 00-0052	LF		10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	25.26	8.43

04	Masonry
04 40	Stone Assemblies
04 43	Stone Masonry



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 43 16 00-0053 LF 6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	24.39	8.43
04 43 16 00-0054 LF 10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	37.55	8.43
04 43 16 00-0055 Slate Stair Treads (04 43 16 00-0046)		
04 43 16 00-0056 SF 2" Thick Slate Stair Tread.....	30.34	4.79
04 70 Manufactured Masonry (04)		
04 72 Cast Stone Masonry (04 70)		
04 72 00 00-0001 Solid Precast Concrete Lintels (04 72)		
04 72 00 00-0002 Solid Precast Concrete Lintels (04 72 00 00-0001)		
04 72 00 00-0003 LF 4" x 8", Solid Precast Concrete Lintel.....	9.40	
04 72 00 00-0004 LF 6" x 8", Solid Precast Concrete Lintel.....	11.91	
04 72 00 00-0005 LF 8" x 8", Solid Precast Concrete Lintel.....	14.68	
04 72 00 00-0006 U Shaped Precast Concrete Lintels (04 72 00 00-0001)		
Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.		
04 72 00 00-0007 LF 6" x 8", U Shaped Precast Concrete Lintel.....	10.07	
04 72 00 00-0008 LF 8" x 8", U Shaped Precast Concrete Lintel.....	12.19	
04 72 00 00-0009 LF 12" x 8", U Shaped Precast Concrete Lintel.....	19.83	
04 72 00 00-0010 Precast Concrete Coping (04 72)		
Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts. See CSI section 04 21 29 00-0001 for terra cotta coping.		
04 72 00 00-0011 Precast Concrete Coping (04 72 00 00-0010)		
Note: Measured at highest point.		
04 72 00 00-0012 SF 2" Thick Precast Concrete Coping.....	28.09	6.89
04 72 00 00-0013 SF 2-1/2" Thick Precast Concrete Coping.....	31.38	7.42
04 72 00 00-0014 SF 3" Thick Precast Concrete Coping.....	36.09	7.95
04 72 00 00-0015 SF 3-1/2" Thick Precast Concrete Coping.....	38.64	8.49
04 72 00 00-0016 SF 4" Thick Precast Concrete Coping.....	41.22	9.01
04 72 00 00-0017 SF 5" Thick Precast Concrete Coping.....	48.71	9.54
04 72 00 00-0018 SF 6" Thick Precast Concrete Coping.....	55.29	10.08
04 72 00 00-0019 Precast Concrete Window Sills (04 72)		
Note: Includes caulk and ties.		
04 72 00 00-0020 Precast Concrete Window Sills (04 72 00 00-0019)		
04 72 00 00-0021 LF 6" Wide Precast Concrete Window Sill.....	20.42	5.30
04 72 00 00-0022 LF 10" Wide Precast Concrete Window Sill.....	29.96	5.30
04 72 00 00-0023 LF 14" Wide Precast Concrete Window Sill.....	35.09	5.30
04 72 00 00-0024 Cast Stone Veneer (04 72)		
04 72 00 00-0025 SF 1" Thick Cast Stone Veneer.....	40.63	10.55

END OF SECTION 04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 Metals

05 05 Common Work Results For Metals ⁽⁰⁵⁾

05 05 19 Post-Installed Concrete Anchors ^(05 05)

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001 Concrete And Masonry Anchors ^(05 05 19)

05 05 19 00-0002 Expansion Anchors ^(05 05 19 00-0001)

Note: Includes drilling.

05 05 19 00-0003 Wedge Expansion Bolt Anchors ^(05 05 19 00-0002)

05 05 19 00-0004 Zinc Plated Steel, Wedge Anchor Expansion Bolt ^(05 05 19 00-0003)

Note: Includes nut and washer.

05 05 19 00-0005	EA 1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	6.22
	For Galvanized, Add	0.22
	For Stainless Steel, Add	1.51
	For >10 To 50, Deduct	-0.29
	For >50 To 100, Deduct	-0.59
	For >100, Deduct	-1.18
05 05 19 00-0006	EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	6.29
	For Galvanized, Add	0.25
	For Stainless Steel, Add	1.75
	For >10 To 50, Deduct	-0.29
	For >50 To 100, Deduct	-0.59
	For >100, Deduct	-1.18
05 05 19 00-0007	EA 1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	6.49
	For Galvanized, Add	0.28
	For Stainless Steel, Add	1.93
	For >10 To 50, Deduct	-0.30
	For >50 To 100, Deduct	-0.61
	For >100, Deduct	-1.22
05 05 19 00-0008	EA 3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	7.64
	For Galvanized, Add	0.31
	For Stainless Steel, Add	2.14
	For >10 To 50, Deduct	-0.35
	For >50 To 100, Deduct	-0.72
	For >100, Deduct	-1.44
05 05 19 00-0009	EA 3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	7.69
	For Galvanized, Add	0.33
	For Stainless Steel, Add	2.31
	For >10 To 50, Deduct	-0.35
	For >50 To 100, Deduct	-0.72
	For >100, Deduct	-1.44
05 05 19 00-0010	EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	7.71
	For Galvanized, Add	0.34
	For Stainless Steel, Add	2.38
	For >10 To 50, Deduct	-0.35
	For >50 To 100, Deduct	-0.72
	For >100, Deduct	-1.44
05 05 19 00-0011	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	7.91
	For Galvanized, Add	0.44
	For Stainless Steel, Add	3.08
	For >10 To 50, Deduct	-0.35
	For >50 To 100, Deduct	-0.73
	For >100, Deduct	-1.45
05 05 19 00-0012	EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	11.11
	For Galvanized, Add	0.56
	For Stainless Steel, Add	3.89
	For >10 To 50, Deduct	-0.50
	For >50 To 100, Deduct	-1.03
	For >100, Deduct	-2.06
05 05 19 00-0013	EA 1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	11.15
	For Galvanized, Add	0.58
	For Stainless Steel, Add	4.03
	For >10 To 50, Deduct	-0.50
	For >50 To 100, Deduct	-1.03
	For >100, Deduct	-2.06
05 05 19 00-0014	EA 1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	11.23
	For Galvanized, Add	0.62
	For Stainless Steel, Add	4.31
	For >10 To 50, Deduct	-0.50
	For >50 To 100, Deduct	-1.03
	For >100, Deduct	-2.06
05 05 19 00-0015	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	11.45
	For Galvanized, Add	0.73
	For Stainless Steel, Add	5.08
	For >10 To 50, Deduct	-0.50
	For >50 To 100, Deduct	-1.04
	For >100, Deduct	-2.07

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0016	EA		1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	11.75	
			<i>For Galvanized, Add</i>	0.88	
			<i>For Stainless Steel, Add</i>	6.13	
			<i>For >10 To 50, Deduct</i>	-0.50	
			<i>For >50 To 100, Deduct</i>	-1.04	
			<i>For >100, Deduct</i>	-2.09	
05 05 19 00-0017	EA		5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	14.58	
			<i>For Galvanized, Add</i>	1.12	
			<i>For Stainless Steel, Add</i>	7.81	
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.29	
			<i>For >100, Deduct</i>	-2.58	
05 05 19 00-0018	EA		5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	14.64	
			<i>For Galvanized, Add</i>	1.15	
			<i>For Stainless Steel, Add</i>	8.02	
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.29	
			<i>For >100, Deduct</i>	-2.58	
05 05 19 00-0019	EA		5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	14.78	
			<i>For Galvanized, Add</i>	1.22	
			<i>For Stainless Steel, Add</i>	8.51	
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.30	
			<i>For >100, Deduct</i>	-2.59	
05 05 19 00-0020	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	15.05	
			<i>For Galvanized, Add</i>	1.35	
			<i>For Stainless Steel, Add</i>	9.45	
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.30	
			<i>For >100, Deduct</i>	-2.61	
05 05 19 00-0021	EA		5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	15.32	
			<i>For Galvanized, Add</i>	1.49	
			<i>For Stainless Steel, Add</i>	10.40	
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.31	
			<i>For >100, Deduct</i>	-2.62	
05 05 19 00-0022	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	17.44	
			<i>For Galvanized, Add</i>	2.55	
			<i>For Stainless Steel, Add</i>	17.82	
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.36	
			<i>For >100, Deduct</i>	-2.72	
05 05 19 00-0023	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	19.26	
			<i>For Galvanized, Add</i>	3.46	
			<i>For Stainless Steel, Add</i>	24.19	
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.41	
			<i>For >100, Deduct</i>	-2.82	
05 05 19 00-0024	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	17.64	
			<i>For Galvanized, Add</i>	1.47	
			<i>For Stainless Steel, Add</i>	10.29	
			<i>For >10 To 50, Deduct</i>	-0.74	
			<i>For >50 To 100, Deduct</i>	-1.54	
			<i>For >100, Deduct</i>	-3.09	
05 05 19 00-0025	EA		3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	17.70	
			<i>For Galvanized, Add</i>	1.50	
			<i>For Stainless Steel, Add</i>	10.50	
			<i>For >10 To 50, Deduct</i>	-0.74	
			<i>For >50 To 100, Deduct</i>	-1.55	
			<i>For >100, Deduct</i>	-3.09	
05 05 19 00-0026	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	18.02	
			<i>For Galvanized, Add</i>	1.66	
			<i>For Stainless Steel, Add</i>	11.62	
			<i>For >10 To 50, Deduct</i>	-0.74	
			<i>For >50 To 100, Deduct</i>	-1.55	
			<i>For >100, Deduct</i>	-3.11	
05 05 19 00-0027	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	18.41	
			<i>For Galvanized, Add</i>	1.86	
			<i>For Stainless Steel, Add</i>	12.99	
			<i>For >10 To 50, Deduct</i>	-0.74	
			<i>For >50 To 100, Deduct</i>	-1.56	
			<i>For >100, Deduct</i>	-3.13	
05 05 19 00-0028	EA		3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	18.86	
			<i>For Galvanized, Add</i>	2.08	
			<i>For Stainless Steel, Add</i>	14.56	
			<i>For >10 To 50, Deduct</i>	-0.74	
			<i>For >50 To 100, Deduct</i>	-1.57	
			<i>For >100, Deduct</i>	-3.15	
05 05 19 00-0029	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	20.56	
			<i>For Galvanized, Add</i>	2.93	
			<i>For Stainless Steel, Add</i>	20.51	
			<i>For >10 To 50, Deduct</i>	-0.74	
			<i>For >50 To 100, Deduct</i>	-1.62	
			<i>For >100, Deduct</i>	-3.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0030 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	22.82	
For Galvanized, Add	4.06	
For Stainless Steel, Add	28.42	
For >10 To 50, Deduct	-0.74	
For >50 To 100, Deduct	-1.67	
For >100, Deduct	-3.35	
05 05 19 00-0031 EA 3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	25.37	
For Galvanized, Add	5.34	
For Stainless Steel, Add	37.35	
For >10 To 50, Deduct	-0.74	
For >50 To 100, Deduct	-1.74	
For >100, Deduct	-3.47	
05 05 19 00-0032 EA 7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	24.35	
For Galvanized, Add	4.21	
For Stainless Steel, Add	29.44	
For >10 To 50, Deduct	-0.80	
For >50 To 100, Deduct	-1.80	
For >100, Deduct	-3.61	
05 05 19 00-0033 EA 7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	25.69	
For Galvanized, Add	4.88	
For Stainless Steel, Add	34.13	
For >10 To 50, Deduct	-0.80	
For >50 To 100, Deduct	-1.84	
For >100, Deduct	-3.68	
05 05 19 00-0034 EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	27.47	
For Galvanized, Add	5.77	
For Stainless Steel, Add	40.36	
For >10 To 50, Deduct	-0.80	
For >50 To 100, Deduct	-1.88	
For >100, Deduct	-3.76	
05 05 19 00-0035 EA 1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	30.00	
For Galvanized, Add	4.68	
For Stainless Steel, Add	32.76	
For >10 To 50, Deduct	-1.03	
For >50 To 100, Deduct	-2.30	
For >100, Deduct	-4.60	
05 05 19 00-0036 EA 1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	32.52	
For Galvanized, Add	5.94	
For Stainless Steel, Add	41.58	
For >10 To 50, Deduct	-1.03	
For >50 To 100, Deduct	-2.36	
For >100, Deduct	-4.72	
05 05 19 00-0037 EA 1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	35.03	
For Galvanized, Add	7.20	
For Stainless Steel, Add	50.37	
For >10 To 50, Deduct	-1.03	
For >50 To 100, Deduct	-2.42	
For >100, Deduct	-4.85	
05 05 19 00-0038 EA 1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	39.16	
For Galvanized, Add	6.37	
For Stainless Steel, Add	44.59	
For >10 To 50, Deduct	-1.32	
For >50 To 100, Deduct	-2.96	
For >100, Deduct	-5.92	
05 05 19 00-0039 EA 1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	40.96	
For Galvanized, Add	7.27	
For Stainless Steel, Add	50.89	
For >10 To 50, Deduct	-1.32	
For >50 To 100, Deduct	-3.01	
For >100, Deduct	-6.01	
05 05 19 00-0040 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
Note: Includes nut and washer.		
05 05 19 00-0041 EA 1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	6.79	
For Galvanized, Add	0.50	
For Stainless Steel, Add	3.50	
For >10 To 50, Deduct	-0.29	
For >50 To 100, Deduct	-0.60	
For >100, Deduct	-1.21	
05 05 19 00-0042 EA 1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	7.02	
For Galvanized, Add	0.62	
For Stainless Steel, Add	4.31	
For >10 To 50, Deduct	-0.29	
For >50 To 100, Deduct	-0.61	
For >100, Deduct	-1.22	
05 05 19 00-0043 EA 1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	7.32	
For Galvanized, Add	0.69	
For Stainless Steel, Add	4.83	
For >10 To 50, Deduct	-0.30	
For >50 To 100, Deduct	-0.63	
For >100, Deduct	-1.26	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0044	EA		3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	8.71	
			<i>For Galvanized, Add</i>	0.84	
			<i>For Stainless Steel, Add</i>	5.88	
			<i>For >10 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-0.75	
			<i>For >100, Deduct</i>	-1.49	
05 05 19 00-0045	EA		3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	8.91	
			<i>For Galvanized, Add</i>	0.94	
			<i>For Stainless Steel, Add</i>	6.58	
			<i>For >10 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-0.75	
			<i>For >100, Deduct</i>	-1.50	
05 05 19 00-0046	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	9.05	
			<i>For Galvanized, Add</i>	1.01	
			<i>For Stainless Steel, Add</i>	7.07	
			<i>For >10 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-0.75	
			<i>For >100, Deduct</i>	-1.51	
05 05 19 00-0047	EA		3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	10.14	
			<i>For Galvanized, Add</i>	1.56	
			<i>For Stainless Steel, Add</i>	10.89	
			<i>For >10 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-0.78	
			<i>For >100, Deduct</i>	-1.56	
05 05 19 00-0048	EA		1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.52	
			<i>For Galvanized, Add</i>	1.76	
			<i>For Stainless Steel, Add</i>	12.32	
			<i>For >10 To 50, Deduct</i>	-0.50	
			<i>For >50 To 100, Deduct</i>	-1.09	
			<i>For >100, Deduct</i>	-2.18	
05 05 19 00-0049	EA		1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.90	
			<i>For Galvanized, Add</i>	1.95	
			<i>For Stainless Steel, Add</i>	13.65	
			<i>For >10 To 50, Deduct</i>	-0.50	
			<i>For >50 To 100, Deduct</i>	-1.10	
			<i>For >100, Deduct</i>	-2.20	
05 05 19 00-0050	EA		1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	14.11	
			<i>For Galvanized, Add</i>	2.06	
			<i>For Stainless Steel, Add</i>	14.39	
			<i>For >10 To 50, Deduct</i>	-0.50	
			<i>For >50 To 100, Deduct</i>	-1.10	
			<i>For >100, Deduct</i>	-2.21	
05 05 19 00-0051	EA		1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.10	
			<i>For Galvanized, Add</i>	2.55	
			<i>For Stainless Steel, Add</i>	17.85	
			<i>For >10 To 50, Deduct</i>	-0.50	
			<i>For >50 To 100, Deduct</i>	-1.13	
			<i>For >100, Deduct</i>	-2.26	
05 05 19 00-0052	EA		1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.59	
			<i>For Galvanized, Add</i>	3.30	
			<i>For Stainless Steel, Add</i>	23.07	
			<i>For >10 To 50, Deduct</i>	-0.50	
			<i>For >50 To 100, Deduct</i>	-1.16	
			<i>For >100, Deduct</i>	-2.33	
05 05 19 00-0053	EA		5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.49	
			<i>For Galvanized, Add</i>	3.57	
			<i>For Stainless Steel, Add</i>	24.99	
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.41	
			<i>For >100, Deduct</i>	-2.83	
05 05 19 00-0054	EA		5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.45	
			<i>For Galvanized, Add</i>	4.05	
			<i>For Stainless Steel, Add</i>	28.35	
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.44	
			<i>For >100, Deduct</i>	-2.88	
05 05 19 00-0055	EA		5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	21.50	
			<i>For Galvanized, Add</i>	4.58	
			<i>For Stainless Steel, Add</i>	32.03	
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.46	
			<i>For >100, Deduct</i>	-2.93	
05 05 19 00-0056	EA		5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	22.89	
			<i>For Galvanized, Add</i>	5.27	
			<i>For Stainless Steel, Add</i>	36.89	
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.50	
			<i>For >100, Deduct</i>	-3.00	
05 05 19 00-0057	EA		5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	29.01	
			<i>For Galvanized, Add</i>	8.33	
			<i>For Stainless Steel, Add</i>	58.31	
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.65	
			<i>For >100, Deduct</i>	-3.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0058 EA 3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	23.27	
For Galvanized, Add	4.29	
For Stainless Steel, Add	30.00	
For >10 To 50, Deduct	-0.74	
For >50 To 100, Deduct	-1.68	
For >100, Deduct	-3.37	
05 05 19 00-0059 EA 3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	25.24	
For Galvanized, Add	5.27	
For Stainless Steel, Add	36.89	
For >10 To 50, Deduct	-0.74	
For >50 To 100, Deduct	-1.73	
For >100, Deduct	-3.47	
05 05 19 00-0060 EA 3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	26.92	
For Galvanized, Add	6.11	
For Stainless Steel, Add	42.77	
For >10 To 50, Deduct	-0.74	
For >50 To 100, Deduct	-1.78	
For >100, Deduct	-3.55	
05 05 19 00-0061 EA 3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	27.12	
For Galvanized, Add	6.21	
For Stainless Steel, Add	43.47	
For >10 To 50, Deduct	-0.74	
For >50 To 100, Deduct	-1.78	
For >100, Deduct	-3.56	
05 05 19 00-0062 EA 3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	28.70	
For Galvanized, Add	7.00	
For Stainless Steel, Add	49.00	
For >10 To 50, Deduct	-0.74	
For >50 To 100, Deduct	-1.82	
For >100, Deduct	-3.64	
05 05 19 00-0063 EA 3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	32.79	
For Galvanized, Add	9.05	
For Stainless Steel, Add	63.32	
For >10 To 50, Deduct	-0.74	
For >50 To 100, Deduct	-1.92	
For >100, Deduct	-3.84	
05 05 19 00-0064 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	38.57	
For Galvanized, Add	11.94	
For Stainless Steel, Add	83.55	
For >10 To 50, Deduct	-0.74	
For >50 To 100, Deduct	-2.07	
For >100, Deduct	-4.13	
05 05 19 00-0065 EA 7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	38.74	
For Galvanized, Add	11.40	
For Stainless Steel, Add	79.80	
For >10 To 50, Deduct	-0.80	
For >50 To 100, Deduct	-2.16	
For >100, Deduct	-4.33	
05 05 19 00-0066 EA 1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	56.40	
For Galvanized, Add	17.88	
For Stainless Steel, Add	125.16	
For >10 To 50, Deduct	-1.03	
For >50 To 100, Deduct	-2.96	
For >100, Deduct	-5.92	
05 05 19 00-0067 EA 1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	64.94	
For Galvanized, Add	22.15	
For Stainless Steel, Add	155.05	
For >10 To 50, Deduct	-1.03	
For >50 To 100, Deduct	-3.17	
For >100, Deduct	-6.34	
05 05 19 00-0068 316 Stainless Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
Note: Includes nut and washer.		
05 05 19 00-0069 EA 1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	6.99	
For Galvanized, Add	0.60	
For Stainless Steel, Add	4.20	
For >10 To 50, Deduct	-0.29	
For >50 To 100, Deduct	-0.61	
For >100, Deduct	-1.22	
05 05 19 00-0070 EA 1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	7.40	
For Galvanized, Add	0.73	
For Stainless Steel, Add	5.11	
For >10 To 50, Deduct	-0.30	
For >50 To 100, Deduct	-0.63	
For >100, Deduct	-1.26	
05 05 19 00-0071 EA 3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	9.36	
For Galvanized, Add	1.17	
For Stainless Steel, Add	8.16	
For >10 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.76	
For >100, Deduct	-1.52	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0072	EA		3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	9.70	
			<i>For Galvanized, Add</i>	1.34	
			<i>For Stainless Steel, Add</i>	9.35	
			<i>For >10 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-0.77	
			<i>For >100, Deduct</i>	-1.54	
05 05 19 00-0073	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	9.79	
			<i>For Galvanized, Add</i>	1.38	
			<i>For Stainless Steel, Add</i>	9.66	
			<i>For >10 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-0.77	
			<i>For >100, Deduct</i>	-1.54	
05 05 19 00-0074	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	11.43	
			<i>For Galvanized, Add</i>	2.20	
			<i>For Stainless Steel, Add</i>	15.40	
			<i>For >10 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-0.81	
			<i>For >100, Deduct</i>	-1.63	
05 05 19 00-0075	EA		1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.09	
			<i>For Galvanized, Add</i>	2.55	
			<i>For Stainless Steel, Add</i>	17.82	
			<i>For >10 To 50, Deduct</i>	-0.50	
			<i>For >50 To 100, Deduct</i>	-1.13	
			<i>For >100, Deduct</i>	-2.25	
05 05 19 00-0076	EA		1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.04	
			<i>For Galvanized, Add</i>	3.02	
			<i>For Stainless Steel, Add</i>	21.14	
			<i>For >10 To 50, Deduct</i>	-0.50	
			<i>For >50 To 100, Deduct</i>	-1.15	
			<i>For >100, Deduct</i>	-2.30	
05 05 19 00-0077	EA		1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.77	
			<i>For Galvanized, Add</i>	3.89	
			<i>For Stainless Steel, Add</i>	27.20	
			<i>For >10 To 50, Deduct</i>	-0.50	
			<i>For >50 To 100, Deduct</i>	-1.19	
			<i>For >100, Deduct</i>	-2.39	
05 05 19 00-0078	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	18.20	
			<i>For Galvanized, Add</i>	4.10	
			<i>For Stainless Steel, Add</i>	28.70	
			<i>For >10 To 50, Deduct</i>	-0.50	
			<i>For >50 To 100, Deduct</i>	-1.21	
			<i>For >100, Deduct</i>	-2.41	
05 05 19 00-0079	EA		5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	24.78	
			<i>For Galvanized, Add</i>	6.22	
			<i>For Stainless Steel, Add</i>	43.51	
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.55	
			<i>For >100, Deduct</i>	-3.09	
05 05 19 00-0080	EA		5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	25.30	
			<i>For Galvanized, Add</i>	6.48	
			<i>For Stainless Steel, Add</i>	45.33	
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.56	
			<i>For >100, Deduct</i>	-3.12	
05 05 19 00-0081	EA		3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	30.68	
			<i>For Galvanized, Add</i>	7.99	
			<i>For Stainless Steel, Add</i>	55.93	
			<i>For >10 To 50, Deduct</i>	-0.74	
			<i>For >50 To 100, Deduct</i>	-1.87	
			<i>For >100, Deduct</i>	-3.74	
05 05 19 00-0082	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	32.83	
			<i>For Galvanized, Add</i>	9.07	
			<i>For Stainless Steel, Add</i>	63.46	
			<i>For >10 To 50, Deduct</i>	-0.74	
			<i>For >50 To 100, Deduct</i>	-1.92	
			<i>For >100, Deduct</i>	-3.85	
05 05 19 00-0083			Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0084	EA		1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	12.84	
			<i>For Galvanized, Add</i>	1.42	
			<i>For Stainless Steel, Add</i>	9.94	
			<i>For >10 To 50, Deduct</i>	-0.50	
			<i>For >50 To 100, Deduct</i>	-1.07	
			<i>For >100, Deduct</i>	-2.14	
05 05 19 00-0085	EA		1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	13.59	
			<i>For Galvanized, Add</i>	1.80	
			<i>For Stainless Steel, Add</i>	12.57	
			<i>For >10 To 50, Deduct</i>	-0.50	
			<i>For >50 To 100, Deduct</i>	-1.09	
			<i>For >100, Deduct</i>	-2.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0086 EA 1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	14.34	
<i>For Galvanized, Add</i>	2.17	
<i>For Stainless Steel, Add</i>	15.19	
<i>For >10 To 50, Deduct</i>	-0.50	
<i>For >50 To 100, Deduct</i>	-1.11	
<i>For >100, Deduct</i>	-2.22	
05 05 19 00-0087 EA 1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	14.72	
<i>For Galvanized, Add</i>	2.36	
<i>For Stainless Steel, Add</i>	16.52	
<i>For >10 To 50, Deduct</i>	-0.50	
<i>For >50 To 100, Deduct</i>	-1.12	
<i>For >100, Deduct</i>	-2.24	
05 05 19 00-0088 EA 5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	17.74	
<i>For Galvanized, Add</i>	2.70	
<i>For Stainless Steel, Add</i>	18.87	
<i>For >10 To 50, Deduct</i>	-0.62	
<i>For >50 To 100, Deduct</i>	-1.37	
<i>For >100, Deduct</i>	-2.74	
05 05 19 00-0089 EA 5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	16.84	
<i>For Galvanized, Add</i>	2.25	
<i>For Stainless Steel, Add</i>	15.72	
<i>For >10 To 50, Deduct</i>	-0.62	
<i>For >50 To 100, Deduct</i>	-1.35	
<i>For >100, Deduct</i>	-2.69	
05 05 19 00-0090 EA 3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	23.09	
<i>For Galvanized, Add</i>	4.20	
<i>For Stainless Steel, Add</i>	29.37	
<i>For >10 To 50, Deduct</i>	-0.74	
<i>For >50 To 100, Deduct</i>	-1.68	
<i>For >100, Deduct</i>	-3.36	
05 05 19 00-0091 EA 3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	23.92	
<i>For Galvanized, Add</i>	4.61	
<i>For Stainless Steel, Add</i>	32.27	
<i>For >10 To 50, Deduct</i>	-0.74	
<i>For >50 To 100, Deduct</i>	-1.70	
<i>For >100, Deduct</i>	-3.40	
05 05 19 00-0092 EA 3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	27.97	
<i>For Galvanized, Add</i>	6.64	
<i>For Stainless Steel, Add</i>	46.45	
<i>For >10 To 50, Deduct</i>	-0.74	
<i>For >50 To 100, Deduct</i>	-1.80	
<i>For >100, Deduct</i>	-3.60	
05 05 19 00-0093 EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	29.27	
<i>For Galvanized, Add</i>	4.32	
<i>For Stainless Steel, Add</i>	30.21	
<i>For >10 To 50, Deduct</i>	-1.03	
<i>For >50 To 100, Deduct</i>	-2.28	
<i>For >100, Deduct</i>	-4.56	
05 05 19 00-0094 EA 1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	31.60	
<i>For Galvanized, Add</i>	5.48	
<i>For Stainless Steel, Add</i>	38.36	
<i>For >10 To 50, Deduct</i>	-1.03	
<i>For >50 To 100, Deduct</i>	-2.34	
<i>For >100, Deduct</i>	-4.68	
05 05 19 00-0095 EA 1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	33.92	
<i>For Galvanized, Add</i>	6.64	
<i>For Stainless Steel, Add</i>	46.48	
<i>For >10 To 50, Deduct</i>	-1.03	
<i>For >50 To 100, Deduct</i>	-2.40	
<i>For >100, Deduct</i>	-4.79	
05 05 19 00-0096 Concrete Sleeve Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0097 Zinc Plated Steel, Concrete Sleeve Anchors <small>(05 05 19 00-0096)</small>		
Note: Includes nut and washer.		
05 05 19 00-0098 EA 1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	6.23	
<i>For Galvanized, Add</i>	0.16	
<i>For Stainless Steel, Add</i>	1.12	
<i>For >10 To 50, Deduct</i>	-0.30	
<i>For >50 To 100, Deduct</i>	-0.60	
<i>For >100, Deduct</i>	-1.20	
05 05 19 00-0099 EA 1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	6.32	
<i>For Galvanized, Add</i>	0.21	
<i>For Stainless Steel, Add</i>	1.44	
<i>For >10 To 50, Deduct</i>	-0.30	
<i>For >50 To 100, Deduct</i>	-0.60	
<i>For >100, Deduct</i>	-1.20	
05 05 19 00-0100 EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	6.44	
<i>For Galvanized, Add</i>	0.27	
<i>For Stainless Steel, Add</i>	1.86	
<i>For >10 To 50, Deduct</i>	-0.30	
<i>For >50 To 100, Deduct</i>	-0.60	
<i>For >100, Deduct</i>	-1.21	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0101	EA		5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	6.57	
			<i>For Galvanized, Add</i>	0.18	
			<i>For Stainless Steel, Add</i>	1.26	
			<i>For >10 To 50, Deduct</i>	-0.31	
			<i>For >50 To 100, Deduct</i>	-0.63	
			<i>For >100, Deduct</i>	-1.26	
05 05 19 00-0102	EA		5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	6.66	
			<i>For Galvanized, Add</i>	0.23	
			<i>For Stainless Steel, Add</i>	1.58	
			<i>For >10 To 50, Deduct</i>	-0.31	
			<i>For >50 To 100, Deduct</i>	-0.63	
			<i>For >100, Deduct</i>	-1.26	
05 05 19 00-0103	EA		3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	7.44	
			<i>For Galvanized, Add</i>	0.21	
			<i>For Stainless Steel, Add</i>	1.44	
			<i>For >10 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-0.71	
			<i>For >100, Deduct</i>	-1.43	
05 05 19 00-0104	EA		3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	7.61	
			<i>For Galvanized, Add</i>	0.29	
			<i>For Stainless Steel, Add</i>	2.03	
			<i>For >10 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-0.72	
			<i>For >100, Deduct</i>	-1.44	
05 05 19 00-0105	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	7.76	
			<i>For Galvanized, Add</i>	0.37	
			<i>For Stainless Steel, Add</i>	2.56	
			<i>For >10 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-0.72	
			<i>For >100, Deduct</i>	-1.44	
05 05 19 00-0106	EA		1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	10.75	
			<i>For Galvanized, Add</i>	0.38	
			<i>For Stainless Steel, Add</i>	2.66	
			<i>For >10 To 50, Deduct</i>	-0.50	
			<i>For >50 To 100, Deduct</i>	-1.02	
			<i>For >100, Deduct</i>	-2.04	
05 05 19 00-0107	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	10.95	
			<i>For Galvanized, Add</i>	0.48	
			<i>For Stainless Steel, Add</i>	3.36	
			<i>For >10 To 50, Deduct</i>	-0.50	
			<i>For >50 To 100, Deduct</i>	-1.02	
			<i>For >100, Deduct</i>	-2.05	
05 05 19 00-0108	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	11.13	
			<i>For Galvanized, Add</i>	0.57	
			<i>For Stainless Steel, Add</i>	3.99	
			<i>For >10 To 50, Deduct</i>	-0.50	
			<i>For >50 To 100, Deduct</i>	-1.03	
			<i>For >100, Deduct</i>	-2.06	
05 05 19 00-0109	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	11.34	
			<i>For Galvanized, Add</i>	0.68	
			<i>For Stainless Steel, Add</i>	4.73	
			<i>For >10 To 50, Deduct</i>	-0.50	
			<i>For >50 To 100, Deduct</i>	-1.03	
			<i>For >100, Deduct</i>	-2.07	
05 05 19 00-0110	EA		5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	13.51	
			<i>For Galvanized, Add</i>	0.59	
			<i>For Stainless Steel, Add</i>	4.10	
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.26	
			<i>For >100, Deduct</i>	-2.53	
05 05 19 00-0111	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	13.82	
			<i>For Galvanized, Add</i>	0.74	
			<i>For Stainless Steel, Add</i>	5.18	
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.27	
			<i>For >100, Deduct</i>	-2.54	
05 05 19 00-0112	EA		5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.06	
			<i>For Galvanized, Add</i>	0.86	
			<i>For Stainless Steel, Add</i>	6.02	
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.28	
			<i>For >100, Deduct</i>	-2.55	
05 05 19 00-0113	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.72	
			<i>For Galvanized, Add</i>	1.19	
			<i>For Stainless Steel, Add</i>	8.33	
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.29	
			<i>For >100, Deduct</i>	-2.59	
05 05 19 00-0114	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	16.64	
			<i>For Galvanized, Add</i>	0.98	
			<i>For Stainless Steel, Add</i>	6.83	
			<i>For >10 To 50, Deduct</i>	-0.73	
			<i>For >50 To 100, Deduct</i>	-1.52	
			<i>For >100, Deduct</i>	-3.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0115 EA 3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.22	
<i>For Galvanized, Add</i>	1.27	
<i>For Stainless Steel, Add</i>	8.86	
<i>For >10 To 50, Deduct</i>	-0.73	
<i>For >50 To 100, Deduct</i>	-1.53	
<i>For >100, Deduct</i>	-3.06	
05 05 19 00-0116 EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.74	
<i>For Galvanized, Add</i>	1.53	
<i>For Stainless Steel, Add</i>	10.68	
<i>For >10 To 50, Deduct</i>	-0.73	
<i>For >50 To 100, Deduct</i>	-1.55	
<i>For >100, Deduct</i>	-3.09	
05 05 19 00-0117 EA 3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	18.57	
<i>For Galvanized, Add</i>	1.94	
<i>For Stainless Steel, Add</i>	13.58	
<i>For >10 To 50, Deduct</i>	-0.73	
<i>For >50 To 100, Deduct</i>	-1.57	
<i>For >100, Deduct</i>	-3.13	
05 05 19 00-0118 304/18-8 Stainless Steel, Concrete Sleeve Anchors <small>(05 05 19 00-0096)</small>		
Note: Includes nut and washer.		
05 05 19 00-0119 EA 1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	7.15	
<i>For Galvanized, Add</i>	0.62	
<i>For Stainless Steel, Add</i>	4.34	
<i>For >10 To 50, Deduct</i>	-0.30	
<i>For >50 To 100, Deduct</i>	-0.62	
<i>For >100, Deduct</i>	-1.24	
05 05 19 00-0120 EA 3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	9.35	
<i>For Galvanized, Add</i>	1.16	
<i>For Stainless Steel, Add</i>	8.12	
<i>For >10 To 50, Deduct</i>	-0.35	
<i>For >50 To 100, Deduct</i>	-0.76	
<i>For >100, Deduct</i>	-1.52	
05 05 19 00-0121 EA 3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	10.27	
<i>For Galvanized, Add</i>	1.62	
<i>For Stainless Steel, Add</i>	11.34	
<i>For >10 To 50, Deduct</i>	-0.35	
<i>For >50 To 100, Deduct</i>	-0.78	
<i>For >100, Deduct</i>	-1.57	
05 05 19 00-0122 EA 1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	13.93	
<i>For Galvanized, Add</i>	1.97	
<i>For Stainless Steel, Add</i>	13.79	
<i>For >10 To 50, Deduct</i>	-0.50	
<i>For >50 To 100, Deduct</i>	-1.10	
<i>For >100, Deduct</i>	-2.20	
05 05 19 00-0123 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	15.58	
<i>For Galvanized, Add</i>	2.80	
<i>For Stainless Steel, Add</i>	19.57	
<i>For >10 To 50, Deduct</i>	-0.50	
<i>For >50 To 100, Deduct</i>	-1.14	
<i>For >100, Deduct</i>	-2.28	
05 05 19 00-0124 EA 5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	21.34	
<i>For Galvanized, Add</i>	4.50	
<i>For Stainless Steel, Add</i>	31.50	
<i>For >10 To 50, Deduct</i>	-0.62	
<i>For >50 To 100, Deduct</i>	-1.46	
<i>For >100, Deduct</i>	-2.92	
05 05 19 00-0125 Concrete Strike Anchors <small>(05 05 19 00-0002)</small>		
Note: Includes nut and washer.		
05 05 19 00-0126 EA 1/4" Diameter x 1-3/4" Long Concrete Strike Anchor.....	6.70	
<i>For Galvanized, Add</i>	0.40	
<i>For Stainless Steel, Add</i>	2.77	
<i>For >10 To 50, Deduct</i>	-0.30	
<i>For >50 To 100, Deduct</i>	-0.61	
<i>For >100, Deduct</i>	-1.22	
05 05 19 00-0127 EA 1/4" Diameter x 2-3/8" Long Concrete Strike Anchor.....	6.86	
<i>For Galvanized, Add</i>	0.48	
<i>For Stainless Steel, Add</i>	3.33	
<i>For >10 To 50, Deduct</i>	-0.30	
<i>For >50 To 100, Deduct</i>	-0.61	
<i>For >100, Deduct</i>	-1.23	
05 05 19 00-0128 EA 5/16" Diameter x 2-3/4" Long Concrete Strike Anchor.....	7.15	
<i>For Galvanized, Add</i>	0.47	
<i>For Stainless Steel, Add</i>	3.29	
<i>For >10 To 50, Deduct</i>	-0.31	
<i>For >50 To 100, Deduct</i>	-0.64	
<i>For >100, Deduct</i>	-1.29	
05 05 19 00-0129 EA 5/16" Diameter x 4" Long Concrete Strike Anchor.....	7.83	
<i>For Galvanized, Add</i>	0.81	
<i>For Stainless Steel, Add</i>	5.67	
<i>For >10 To 50, Deduct</i>	-0.31	
<i>For >50 To 100, Deduct</i>	-0.66	
<i>For >100, Deduct</i>	-1.32	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0130 EA 3/8" Diameter x 2-3/8" Long Concrete Strike Anchor.....	8.18	
For Galvanized, Add	0.58	
For Stainless Steel, Add	4.03	
For >10 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.73	
For >100, Deduct	-1.46	
05 05 19 00-0131 EA 3/8" Diameter x 3-1/2" Long Concrete Strike Anchor.....	8.68	
For Galvanized, Add	0.83	
For Stainless Steel, Add	5.78	
For >10 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.74	
For >100, Deduct	-1.49	
05 05 19 00-0132 EA 3/8" Diameter x 5" Long Concrete Strike Anchor.....	9.07	
For Galvanized, Add	1.02	
For Stainless Steel, Add	7.14	
For >10 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.75	
For >100, Deduct	-1.51	
05 05 19 00-0133 EA 1/2" Diameter x 2-3/4" Long Concrete Strike Anchor.....	12.00	
For Galvanized, Add	1.01	
For Stainless Steel, Add	7.04	
For >10 To 50, Deduct	-0.50	
For >50 To 100, Deduct	-1.05	
For >100, Deduct	-2.10	
05 05 19 00-0134 EA 1/2" Diameter x 3-1/2" Long Concrete Strike Anchor.....	12.30	
For Galvanized, Add	1.16	
For Stainless Steel, Add	8.09	
For >10 To 50, Deduct	-0.50	
For >50 To 100, Deduct	-1.06	
For >100, Deduct	-2.11	
05 05 19 00-0135 EA 1/2" Diameter x 4-3/4" Long Concrete Strike Anchor.....	13.18	
For Galvanized, Add	1.60	
For Stainless Steel, Add	11.17	
For >10 To 50, Deduct	-0.50	
For >50 To 100, Deduct	-1.08	
For >100, Deduct	-2.16	
05 05 19 00-0136 EA 1/2" Diameter x 6" Long Concrete Strike Anchor.....	14.33	
For Galvanized, Add	2.17	
For Stainless Steel, Add	15.19	
For >10 To 50, Deduct	-0.50	
For >50 To 100, Deduct	-1.11	
For >100, Deduct	-2.22	
05 05 19 00-0137 EA 5/8" Diameter x 4" Long Concrete Strike Anchor.....	16.17	
For Galvanized, Add	1.92	
For Stainless Steel, Add	13.41	
For >10 To 50, Deduct	-0.62	
For >50 To 100, Deduct	-1.33	
For >100, Deduct	-2.66	
05 05 19 00-0138 EA 5/8" Diameter x 4-3/4" Long Concrete Strike Anchor.....	17.22	
For Galvanized, Add	2.44	
For Stainless Steel, Add	17.08	
For >10 To 50, Deduct	-0.62	
For >50 To 100, Deduct	-1.36	
For >100, Deduct	-2.71	
05 05 19 00-0139 EA 5/8" Diameter x 6" Long Concrete Strike Anchor.....	18.16	
For Galvanized, Add	2.91	
For Stainless Steel, Add	20.37	
For >10 To 50, Deduct	-0.62	
For >50 To 100, Deduct	-1.38	
For >100, Deduct	-2.76	
05 05 19 00-0140 EA 3/4" Diameter x 5" Long Concrete Strike Anchor.....	21.05	
For Galvanized, Add	3.18	
For Stainless Steel, Add	22.26	
For >10 To 50, Deduct	-0.73	
For >50 To 100, Deduct	-1.63	
For >100, Deduct	-3.26	
05 05 19 00-0141 EA 3/4" Diameter x 6" Long Concrete Strike Anchor.....	22.05	
For Galvanized, Add	3.68	
For Stainless Steel, Add	25.76	
For >10 To 50, Deduct	-0.73	
For >50 To 100, Deduct	-1.65	
For >100, Deduct	-3.31	
05 05 19 00-0142 Multi-Set Drop-In Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0144 EA 1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	8.65	
For Stainless Steel, Add	1.47	
For >10 To 50, Deduct	-0.41	
For >50 To 100, Deduct	-0.83	
For >100, Deduct	-1.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0145 EA 3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	10.58	
<i>For Stainless Steel, Add</i>	1.93	
<i>For >10 To 50, Deduct</i>	-0.50	
<i>For >50 To 100, Deduct</i>	-1.02	
<i>For >100, Deduct</i>	-2.03	
05 05 19 00-0146 EA 1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	13.01	
<i>For Stainless Steel, Add</i>	4.13	
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.21	
<i>For >100, Deduct</i>	-2.43	
05 05 19 00-0147 EA 5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	14.85	
<i>For Stainless Steel, Add</i>	6.51	
<i>For >10 To 50, Deduct</i>	-0.65	
<i>For >50 To 100, Deduct</i>	-1.35	
<i>For >100, Deduct</i>	-2.69	
05 05 19 00-0148 EA 3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	17.97	
<i>For Stainless Steel, Add</i>	11.17	
<i>For >10 To 50, Deduct</i>	-0.74	
<i>For >50 To 100, Deduct</i>	-1.56	
<i>For >100, Deduct</i>	-3.12	
05 05 19 00-0149 304/18-8 Stainless Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0150 EA 1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	10.56	
<i>For Stainless Steel, Add</i>	8.16	
<i>For >10 To 50, Deduct</i>	-0.41	
<i>For >50 To 100, Deduct</i>	-0.88	
<i>For >100, Deduct</i>	-1.76	
05 05 19 00-0151 EA 3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	14.20	
<i>For Stainless Steel, Add</i>	14.60	
<i>For >10 To 50, Deduct</i>	-0.50	
<i>For >50 To 100, Deduct</i>	-1.11	
<i>For >100, Deduct</i>	-2.21	
05 05 19 00-0152 EA 1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	17.75	
<i>For Stainless Steel, Add</i>	20.72	
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.33	
<i>For >100, Deduct</i>	-2.66	
05 05 19 00-0153 EA 5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	22.49	
<i>For Stainless Steel, Add</i>	33.25	
<i>For >10 To 50, Deduct</i>	-0.65	
<i>For >50 To 100, Deduct</i>	-1.54	
<i>For >100, Deduct</i>	-3.07	
05 05 19 00-0154 EA 3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	31.10	
<i>For Stainless Steel, Add</i>	57.12	
<i>For >10 To 50, Deduct</i>	-0.74	
<i>For >50 To 100, Deduct</i>	-1.89	
<i>For >100, Deduct</i>	-3.77	
05 05 19 00-0155 Single Bolt Expansion Anchors <small>(05 05 19 00-0002)</small>		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0156 EA 1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	6.37	
<i>For >10 To 50, Deduct</i>	-0.30	
<i>For >50 To 100, Deduct</i>	-0.60	
<i>For >100, Deduct</i>	-1.21	
05 05 19 00-0157 EA 5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	6.84	
<i>For >10 To 50, Deduct</i>	-0.31	
<i>For >50 To 100, Deduct</i>	-0.64	
<i>For >100, Deduct</i>	-1.27	
05 05 19 00-0158 EA 3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	7.73	
<i>For >10 To 50, Deduct</i>	-0.35	
<i>For >50 To 100, Deduct</i>	-0.72	
<i>For >100, Deduct</i>	-1.44	
05 05 19 00-0159 EA 1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	11.34	
<i>For >10 To 50, Deduct</i>	-0.50	
<i>For >50 To 100, Deduct</i>	-1.03	
<i>For >100, Deduct</i>	-2.07	
05 05 19 00-0160 EA 5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	16.04	
<i>For >10 To 50, Deduct</i>	-0.62	
<i>For >50 To 100, Deduct</i>	-1.33	
<i>For >100, Deduct</i>	-2.65	
05 05 19 00-0161 EA 3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	19.40	
<i>For >10 To 50, Deduct</i>	-0.73	
<i>For >50 To 100, Deduct</i>	-1.59	
<i>For >100, Deduct</i>	-3.17	
05 05 19 00-0162 Concrete Lag Shield Anchors <small>(05 05 19 00-0002)</small>		
Note: Excludes lag bolt and washer.		
05 05 19 00-0163 EA 1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	6.41	
<i>For >10 To 50, Deduct</i>	-0.30	
<i>For >50 To 100, Deduct</i>	-0.60	
<i>For >100, Deduct</i>	-1.21	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0164 EA 5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	7.64	
For >10 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.72	
For >100, Deduct	-1.44	
05 05 19 00-0165 EA 3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	8.04	
For >10 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.73	
For >100, Deduct	-1.46	
05 05 19 00-0166 EA 1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	11.32	
For >10 To 50, Deduct	-0.50	
For >50 To 100, Deduct	-1.03	
For >100, Deduct	-2.06	
05 05 19 00-0167 EA 5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	15.40	
For >10 To 50, Deduct	-0.62	
For >50 To 100, Deduct	-1.31	
For >100, Deduct	-2.62	
05 05 19 00-0168 EA 3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	17.11	
For >10 To 50, Deduct	-0.73	
For >50 To 100, Deduct	-1.53	
For >100, Deduct	-3.06	
05 05 19 00-0169 Chemical And Adhesive Anchors (05 05 19 00-0001)		
05 05 19 00-0170 Chemically Adhered Anchor Rods (05 05 19 00-0169)		
Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.		
05 05 19 00-0171 EA 1/4" x 1-9/16" Long Chemically Adhered Anchor Rod.....	8.37	
For >10 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-0.70	
For >100, Deduct	-1.39	
05 05 19 00-0172 EA 5/16" x 2-3/8" Long Chemically Adhered Anchor Rod.....	9.82	
For >10 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.78	
For >100, Deduct	-1.55	
05 05 19 00-0173 EA 3/8" x 2-3/4" Long Chemically Adhered Anchor Rod.....	12.18	
For >10 To 50, Deduct	-0.44	
For >50 To 100, Deduct	-0.97	
For >100, Deduct	-1.94	
05 05 19 00-0174 EA 1/2" x 3-11/16" Long Chemically Adhered Anchor Rod.....	14.36	
For >10 To 50, Deduct	-0.50	
For >50 To 100, Deduct	-1.11	
For >100, Deduct	-2.22	
05 05 19 00-0175 EA 1/2" x 5-1/2" Long Chemically Adhered Anchor Rod.....	15.36	
For >10 To 50, Deduct	-0.50	
For >50 To 100, Deduct	-1.13	
For >100, Deduct	-2.27	
05 05 19 00-0176 EA 5/8" x 7" Long Chemically Adhered Anchor Rod.....	19.01	
For >10 To 50, Deduct	-0.62	
For >50 To 100, Deduct	-1.40	
For >100, Deduct	-2.80	
05 05 19 00-0177 EA 3/4" x 9-1/2" Long Chemically Adhered Anchor Rod.....	25.02	
For >10 To 50, Deduct	-0.73	
For >50 To 100, Deduct	-1.73	
For >100, Deduct	-3.45	
05 05 19 00-0178 EA 7/8" x 10" Long Chemically Adhered Anchor Rod.....	30.01	
For >10 To 50, Deduct	-0.80	
For >50 To 100, Deduct	-1.94	
For >100, Deduct	-3.89	
05 05 19 00-0179 EA 1" x 11-3/4" Long Chemically Adhered Anchor Rod.....	41.28	
For >10 To 50, Deduct	-1.03	
For >50 To 100, Deduct	-2.58	
For >100, Deduct	-5.16	
05 05 19 00-0180 EA 1-1/4" x 14" Long Chemically Adhered Anchor Rod.....	60.13	
For >10 To 50, Deduct	-1.30	
For >50 To 100, Deduct	-3.45	
For >100, Deduct	-6.91	
05 05 19 00-0181 Chemical Adhesives For Bolts, Dowels Or Threaded Rod (05 05 19 00-0169)		
Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Excludes bolt, dowel or rod.		
05 05 19 00-0182 EA 5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	7.38	
For >10 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.72	
For >100, Deduct	-1.43	
05 05 19 00-0183 EA 3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	9.26	
For >10 To 50, Deduct	-0.44	
For >50 To 100, Deduct	-0.90	
For >100, Deduct	-1.79	
05 05 19 00-0184 EA 1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	10.54	
For >10 To 50, Deduct	-0.50	
For >50 To 100, Deduct	-1.01	
For >100, Deduct	-2.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0185 EA 5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	13.66	
<i>For >10 To 50, Deduct</i>	-0.62	
<i>For >50 To 100, Deduct</i>	-1.27	
<i>For >100, Deduct</i>	-2.53	
05 05 19 00-0186 EA 3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	17.01	
<i>For >10 To 50, Deduct</i>	-0.73	
<i>For >50 To 100, Deduct</i>	-1.53	
<i>For >100, Deduct</i>	-3.05	
05 05 19 00-0187 EA 7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	18.99	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.67	
<i>For >100, Deduct</i>	-3.33	
05 05 19 00-0188 EA 1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	25.27	
<i>For >10 To 50, Deduct</i>	-1.03	
<i>For >50 To 100, Deduct</i>	-2.18	
<i>For >100, Deduct</i>	-4.36	
05 05 19 00-0189 EA 1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	29.03	
<i>For >10 To 50, Deduct</i>	-1.17	
<i>For >50 To 100, Deduct</i>	-2.47	
<i>For >100, Deduct</i>	-4.95	
05 05 19 00-0190 EA 1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	33.43	
<i>For >10 To 50, Deduct</i>	-1.30	
<i>For >50 To 100, Deduct</i>	-2.79	
<i>For >100, Deduct</i>	-5.57	
05 05 19 00-0191 EA 1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	36.46	
<i>For >10 To 50, Deduct</i>	-1.36	
<i>For >50 To 100, Deduct</i>	-2.95	
<i>For >100, Deduct</i>	-5.90	
05 05 19 00-0192 EA 1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	40.74	
<i>For >10 To 50, Deduct</i>	-1.42	
<i>For >50 To 100, Deduct</i>	-3.15	
<i>For >100, Deduct</i>	-6.29	
05 05 19 00-0193 EA 1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	49.29	
<i>For >10 To 50, Deduct</i>	-1.54	
<i>For >50 To 100, Deduct</i>	-3.54	
<i>For >100, Deduct</i>	-7.08	
05 05 19 00-0194 EA 2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	69.01	
<i>For >10 To 50, Deduct</i>	-1.60	
<i>For >50 To 100, Deduct</i>	-4.12	
<i>For >100, Deduct</i>	-8.24	
05 05 19 00-0195 Grout Concrete Anchor Bolt Or Threaded Rod <small>(05 05 19 00-0169)</small>		
05 05 19 00-0196 EA Grout Concrete Anchor Bolt or Threaded Rod.....	2.96	
<i>For >10 To 50, Deduct</i>	-0.14	
<i>For >50 To 100, Deduct</i>	-0.29	
<i>For >100, Deduct</i>	-0.58	
05 05 19 00-0197 Other Concrete And Masonry Anchors <small>(05 05 19 00-0001)</small>		
05 05 19 00-0198 Tapcon Masonry Screws <small>(05 05 19 00-0197)</small>		
<small>Note: Includes drilling. Countersunk or hex head.</small>		
05 05 19 00-0199 EA 3/16" x 1-1/4" Tapcon Masonry Screw.....	6.10	
<i>For >10 To 50, Deduct</i>	-0.30	
<i>For >50 To 100, Deduct</i>	-0.60	
<i>For >100, Deduct</i>	-1.19	
05 05 19 00-0200 EA 3/16" x 2-1/4" Tapcon Masonry Screw.....	6.14	
<i>For >10 To 50, Deduct</i>	-0.30	
<i>For >50 To 100, Deduct</i>	-0.60	
<i>For >100, Deduct</i>	-1.19	
05 05 19 00-0201 EA 3/16" x 3-1/4" Tapcon Masonry Screw.....	6.25	
<i>For >10 To 50, Deduct</i>	-0.30	
<i>For >50 To 100, Deduct</i>	-0.60	
<i>For >100, Deduct</i>	-1.20	
05 05 19 00-0202 EA 1/4" x 1-1/4" Tapcon Masonry Screw.....	6.15	
<i>For >10 To 50, Deduct</i>	-0.30	
<i>For >50 To 100, Deduct</i>	-0.60	
<i>For >100, Deduct</i>	-1.19	
05 05 19 00-0203 EA 1/4" x 2-1/4" Tapcon Masonry Screw.....	6.21	
<i>For >10 To 50, Deduct</i>	-0.30	
<i>For >50 To 100, Deduct</i>	-0.60	
<i>For >100, Deduct</i>	-1.20	
05 05 19 00-0204 EA 1/4" x 3-1/4" Tapcon Masonry Screw.....	6.34	
<i>For >10 To 50, Deduct</i>	-0.30	
<i>For >50 To 100, Deduct</i>	-0.60	
<i>For >100, Deduct</i>	-1.20	
05 05 19 00-0205 Large Diameter, Self-Threading Concrete Fasteners <small>(05 05 19 00-0197)</small>		
<small>Note: Includes drilling. Zinc plated.</small>		
05 05 19 00-0206 EA 3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener.....	6.58	
<i>For >10 To 50, Deduct</i>	-0.30	
<i>For >50 To 100, Deduct</i>	-0.61	
<i>For >100, Deduct</i>	-1.22	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0207	EA		3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener.....	6.82	
			<i>For >10 To 50, Deduct</i>	-0.30	
			<i>For >50 To 100, Deduct</i>	-0.61	
			<i>For >100, Deduct</i>	-1.23	
05 05 19 00-0208	EA		3/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	6.89	
			<i>For >10 To 50, Deduct</i>	-0.30	
			<i>For >50 To 100, Deduct</i>	-0.62	
			<i>For >100, Deduct</i>	-1.23	
05 05 19 00-0209	EA		3/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	7.01	
			<i>For >10 To 50, Deduct</i>	-0.30	
			<i>For >50 To 100, Deduct</i>	-0.62	
			<i>For >100, Deduct</i>	-1.24	
05 05 19 00-0210	EA		3/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	7.11	
			<i>For >10 To 50, Deduct</i>	-0.30	
			<i>For >50 To 100, Deduct</i>	-0.62	
			<i>For >100, Deduct</i>	-1.24	
05 05 19 00-0211	EA		1/2" x 3", Large Diameter, Self-Threading Concrete Fastener.....	7.32	
			<i>For >10 To 50, Deduct</i>	-0.30	
			<i>For >50 To 100, Deduct</i>	-0.63	
			<i>For >100, Deduct</i>	-1.25	
05 05 19 00-0212	EA		1/2" x 4", Large Diameter, Self-Threading Concrete Fastener.....	7.58	
			<i>For >10 To 50, Deduct</i>	-0.30	
			<i>For >50 To 100, Deduct</i>	-0.63	
			<i>For >100, Deduct</i>	-1.27	
05 05 19 00-0213	EA		1/2" x 5", Large Diameter, Self-Threading Concrete Fastener.....	7.81	
			<i>For >10 To 50, Deduct</i>	-0.30	
			<i>For >50 To 100, Deduct</i>	-0.64	
			<i>For >100, Deduct</i>	-1.28	
05 05 19 00-0214	EA		1/2" x 6", Large Diameter, Self-Threading Concrete Fastener.....	8.48	
			<i>For >10 To 50, Deduct</i>	-0.30	
			<i>For >50 To 100, Deduct</i>	-0.66	
			<i>For >100, Deduct</i>	-1.31	
05 05 19 00-0215	EA		5/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	8.56	
			<i>For >10 To 50, Deduct</i>	-0.30	
			<i>For >50 To 100, Deduct</i>	-0.66	
			<i>For >100, Deduct</i>	-1.31	
05 05 19 00-0216	EA		5/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	8.97	
			<i>For >10 To 50, Deduct</i>	-0.30	
			<i>For >50 To 100, Deduct</i>	-0.67	
			<i>For >100, Deduct</i>	-1.34	
05 05 19 00-0217	EA		5/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	9.39	
			<i>For >10 To 50, Deduct</i>	-0.30	
			<i>For >50 To 100, Deduct</i>	-0.68	
			<i>For >100, Deduct</i>	-1.36	
05 05 19 00-0218	EA		5/8" x 6", Large Diameter, Self-Threading Concrete Fastener.....	9.66	
			<i>For >10 To 50, Deduct</i>	-0.30	
			<i>For >50 To 100, Deduct</i>	-0.68	
			<i>For >100, Deduct</i>	-1.37	
05 05 19 00-0219	EA		3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener.....	9.54	
			<i>For >10 To 50, Deduct</i>	-0.30	
			<i>For >50 To 100, Deduct</i>	-0.68	
			<i>For >100, Deduct</i>	-1.36	
05 05 19 00-0220	EA		3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener.....	9.93	
			<i>For >10 To 50, Deduct</i>	-0.30	
			<i>For >50 To 100, Deduct</i>	-0.69	
			<i>For >100, Deduct</i>	-1.38	
05 05 19 00-0221	EA		3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener.....	10.84	
			<i>For >10 To 50, Deduct</i>	-0.30	
			<i>For >50 To 100, Deduct</i>	-0.71	
			<i>For >100, Deduct</i>	-1.43	
05 05 19 00-0222			Pin Bolt Drives <small>(05 05 19 00-0197)</small>		
			Note: Includes drilling, Zinc plated.		
05 05 19 00-0223	EA		1/4" x 1" Pin Bolt Drive.....	3.83	
			<i>For >10 To 50, Deduct</i>	-0.18	
			<i>For >50 To 100, Deduct</i>	-0.36	
			<i>For >100, Deduct</i>	-0.72	
05 05 19 00-0224	EA		1/4" x 1-1/4" Pin Bolt Drive.....	3.83	
			<i>For >10 To 50, Deduct</i>	-0.18	
			<i>For >50 To 100, Deduct</i>	-0.36	
			<i>For >100, Deduct</i>	-0.72	
05 05 19 00-0225	EA		1/4" x 1-1/2" Pin Bolt Drive.....	3.87	
			<i>For >10 To 50, Deduct</i>	-0.18	
			<i>For >50 To 100, Deduct</i>	-0.36	
			<i>For >100, Deduct</i>	-0.73	
05 05 19 00-0226	EA		1/4" x 2" Pin Bolt Drive.....	3.88	
			<i>For >10 To 50, Deduct</i>	-0.18	
			<i>For >50 To 100, Deduct</i>	-0.36	
			<i>For >100, Deduct</i>	-0.73	
05 05 19 00-0227			Powder Actuated, Shot-In Place Anchors With Exposed Thread <small>(05 05 19 00-0197)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0228 EA 1/4" Diameter Threaded Stud Powder Actuated Anchor.....	1.18	
<i>For >10 To 50, Deduct</i>	-0.04	
<i>For >50 To 100, Deduct</i>	-0.09	
<i>For >100, Deduct</i>	-0.18	
05 05 19 00-0229 EA 3/8" Diameter Threaded Stud Powder Actuated Anchor.....	1.61	
<i>For >10 To 50, Deduct</i>	-0.05	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100, Deduct</i>	-0.23	
05 05 23 Metal Fastenings <small>(05 05)</small>		
05 05 23 00-0001 Hex Bolts <small>(05 05 23)</small>		
<small>Note: For owner furnished materials or where requested by the owner. Excludes drilling through steel, concrete, brick or block. See CSI section 02 41 19 13-0261 for drilling into concrete, 02 41 19 13-0271 for drilling into brick or block, 02 41 19 13-0281 for drilling into wood or plastic, 05 05 23 00-1567 for drilling through steel.</small>		
05 05 23 00-0002 A307B Heavy Hex Bolts <small>(05 05 23 00-0001)</small>		
<small>Note: Includes A307B heavy hex nut and two structural washers.</small>		
05 05 23 00-0003 Plain Finish A307B Heavy Hex Bolts <small>(05 05 23 00-0002)</small>		
05 05 23 00-0004 EA 1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt.....	8.44	0.84
<i>For >10 To 50, Deduct</i>	-0.35	
<i>For >50 To 100, Deduct</i>	-0.74	
<i>For >100, Deduct</i>	-1.48	
05 05 23 00-0005 EA 1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt.....	9.26	0.84
<i>For >10 To 50, Deduct</i>	-0.35	
<i>For >50 To 100, Deduct</i>	-0.76	
<i>For >100, Deduct</i>	-1.52	
05 05 23 00-0006 EA 5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt.....	9.28	0.84
<i>For >10 To 50, Deduct</i>	-0.35	
<i>For >50 To 100, Deduct</i>	-0.76	
<i>For >100, Deduct</i>	-1.52	
05 05 23 00-0007 EA 5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt.....	11.03	0.96
<i>For >10 To 50, Deduct</i>	-0.40	
<i>For >50 To 100, Deduct</i>	-0.88	
<i>For >100, Deduct</i>	-1.76	
05 05 23 00-0008 EA 3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt.....	10.65	0.84
<i>For >10 To 50, Deduct</i>	-0.35	
<i>For >50 To 100, Deduct</i>	-0.79	
<i>For >100, Deduct</i>	-1.59	
05 05 23 00-0009 EA 3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt.....	12.73	0.96
<i>For >10 To 50, Deduct</i>	-0.40	
<i>For >50 To 100, Deduct</i>	-0.92	
<i>For >100, Deduct</i>	-1.84	
05 05 23 00-0010 EA 3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt.....	15.97	1.01
<i>For >10 To 50, Deduct</i>	-0.42	
<i>For >50 To 100, Deduct</i>	-1.03	
<i>For >100, Deduct</i>	-2.06	
05 05 23 00-0011 EA 3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt.....	17.14	1.06
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-1.09	
<i>For >100, Deduct</i>	-2.18	
05 05 23 00-0012 EA 7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt.....	12.70	0.92
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.89	
<i>For >100, Deduct</i>	-1.78	
05 05 23 00-0013 EA 7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt.....	15.25	1.01
<i>For >10 To 50, Deduct</i>	-0.42	
<i>For >50 To 100, Deduct</i>	-1.01	
<i>For >100, Deduct</i>	-2.02	
05 05 23 00-0014 EA 1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt.....	17.87	1.06
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-1.11	
<i>For >100, Deduct</i>	-2.22	
05 05 23 00-0015 EA 1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt.....	25.26	1.11
<i>For >10 To 50, Deduct</i>	-0.46	
<i>For >50 To 100, Deduct</i>	-1.33	
<i>For >100, Deduct</i>	-2.65	
05 05 23 00-0016 EA 1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt.....	29.55	1.26
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.52	
<i>For >100, Deduct</i>	-3.05	
05 05 23 00-0017 EA 1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt.....	33.21	1.34
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.67	
<i>For >100, Deduct</i>	-3.34	
05 05 23 00-0018 Galvanized A307B Heavy Hex Bolts <small>(05 05 23 00-0002)</small>		
05 05 23 00-0019 EA 1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt.....	8.85	0.84
<i>For >10 To 50, Deduct</i>	-0.35	
<i>For >50 To 100, Deduct</i>	-0.75	
<i>For >100, Deduct</i>	-1.50	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0020 EA 1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt.....	9.53	0.84
For >10 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.77	
For >100, Deduct	-1.53	
05 05 23 00-0021 EA 5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	10.27	0.84
For >10 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.78	
For >100, Deduct	-1.57	
05 05 23 00-0022 EA 5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	12.02	0.96
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.90	
For >100, Deduct	-1.81	
05 05 23 00-0023 EA 3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	11.77	0.84
For >10 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.82	
For >100, Deduct	-1.64	
05 05 23 00-0024 EA 3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	14.80	0.96
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.97	
For >100, Deduct	-1.94	
05 05 23 00-0025 EA 3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	19.55	1.01
For >10 To 50, Deduct	-0.42	
For >50 To 100, Deduct	-1.12	
For >100, Deduct	-2.24	
05 05 23 00-0026 EA 3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt.....	22.92	1.06
For >10 To 50, Deduct	-0.44	
For >50 To 100, Deduct	-1.23	
For >100, Deduct	-2.47	
05 05 23 00-0027 EA 7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	15.64	0.92
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.96	
For >100, Deduct	-1.93	
05 05 23 00-0028 EA 7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	18.56	1.01
For >10 To 50, Deduct	-0.42	
For >50 To 100, Deduct	-1.09	
For >100, Deduct	-2.18	
05 05 23 00-0029 EA 1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	22.14	1.06
For >10 To 50, Deduct	-0.44	
For >50 To 100, Deduct	-1.22	
For >100, Deduct	-2.43	
05 05 23 00-0030 EA 1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	33.01	1.11
For >10 To 50, Deduct	-0.46	
For >50 To 100, Deduct	-1.52	
For >100, Deduct	-3.04	
05 05 23 00-0031 EA 1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	33.02	1.26
For >10 To 50, Deduct	-0.52	
For >50 To 100, Deduct	-1.61	
For >100, Deduct	-3.22	
05 05 23 00-0032 EA 1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	41.23	1.34
For >10 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.87	
For >100, Deduct	-3.74	
05 05 23 00-0033 A325 High Strength Structural Bolts (05 05 23 00-0001)		
Note: Includes A325 heavy hex nut and two structural washers.		
05 05 23 00-0034 Plain Finish A325 High Strength Structural Bolts (05 05 23 00-0033)		
Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0035 EA 1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt.....	8.25	0.84
For >10 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.73	
For >100, Deduct	-1.47	
05 05 23 00-0036 EA 1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	8.43	0.84
For >10 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.74	
For >100, Deduct	-1.48	
05 05 23 00-0037 EA 5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	9.01	0.84
For >10 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.75	
For >100, Deduct	-1.51	
05 05 23 00-0038 EA 5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	11.05	0.96
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.88	
For >100, Deduct	-1.76	
05 05 23 00-0039 EA 5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	12.78	1.01
For >10 To 50, Deduct	-0.42	
For >50 To 100, Deduct	-0.95	
For >100, Deduct	-1.90	
05 05 23 00-0040 EA 3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	9.81	0.84
For >10 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.77	
For >100, Deduct	-1.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0041 EA 3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	11.90	0.96
<i>For >10 To 50, Deduct</i>	-0.40	
<i>For >50 To 100, Deduct</i>	-0.90	
<i>For >100, Deduct</i>	-1.80	
05 05 23 00-0042 EA 3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	13.54	1.01
<i>For >10 To 50, Deduct</i>	-0.42	
<i>For >50 To 100, Deduct</i>	-0.97	
<i>For >100, Deduct</i>	-1.94	
05 05 23 00-0043 EA 3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	16.63	1.06
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-1.08	
<i>For >100, Deduct</i>	-2.15	
05 05 23 00-0044 EA 7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	11.38	0.92
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.86	
<i>For >100, Deduct</i>	-1.71	
05 05 23 00-0045 EA 7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	13.85	1.01
<i>For >10 To 50, Deduct</i>	-0.42	
<i>For >50 To 100, Deduct</i>	-0.97	
<i>For >100, Deduct</i>	-1.95	
05 05 23 00-0046 EA 7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	15.80	1.06
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-1.06	
<i>For >100, Deduct</i>	-2.11	
05 05 23 00-0047 EA 7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	17.12	1.11
<i>For >10 To 50, Deduct</i>	-0.46	
<i>For >50 To 100, Deduct</i>	-1.12	
<i>For >100, Deduct</i>	-2.25	
05 05 23 00-0048 EA 1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	12.58	0.95
<i>For >10 To 50, Deduct</i>	-0.40	
<i>For >50 To 100, Deduct</i>	-0.91	
<i>For >100, Deduct</i>	-1.82	
05 05 23 00-0049 EA 1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	15.12	1.06
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-1.04	
<i>For >100, Deduct</i>	-2.08	
05 05 23 00-0050 EA 1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	17.50	1.11
<i>For >10 To 50, Deduct</i>	-0.46	
<i>For >50 To 100, Deduct</i>	-1.13	
<i>For >100, Deduct</i>	-2.27	
05 05 23 00-0051 EA 1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	22.39	1.18
<i>For >10 To 50, Deduct</i>	-0.49	
<i>For >50 To 100, Deduct</i>	-1.30	
<i>For >100, Deduct</i>	-2.60	
05 05 23 00-0052 EA 1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	21.38	1.18
<i>For >10 To 50, Deduct</i>	-0.49	
<i>For >50 To 100, Deduct</i>	-1.27	
<i>For >100, Deduct</i>	-2.55	
05 05 23 00-0053 EA 1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	24.23	1.26
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.39	
<i>For >100, Deduct</i>	-2.78	
05 05 23 00-0054 EA 1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	28.41	1.34
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.55	
<i>For >100, Deduct</i>	-3.10	
05 05 23 00-0055 EA 1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	33.35	1.44
<i>For >10 To 50, Deduct</i>	-0.60	
<i>For >50 To 100, Deduct</i>	-1.73	
<i>For >100, Deduct</i>	-3.46	
05 05 23 00-0056 Galvanized A325 High Strength Structural Bolts <small>(05 05 23 00-0033)</small>		
Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0057 EA 1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt	8.62	0.84
<i>For >10 To 50, Deduct</i>	-0.35	
<i>For >50 To 100, Deduct</i>	-0.74	
<i>For >100, Deduct</i>	-1.49	
05 05 23 00-0058 EA 1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt.....	8.74	0.84
<i>For >10 To 50, Deduct</i>	-0.35	
<i>For >50 To 100, Deduct</i>	-0.75	
<i>For >100, Deduct</i>	-1.49	
05 05 23 00-0059 EA 5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	9.77	0.84
<i>For >10 To 50, Deduct</i>	-0.35	
<i>For >50 To 100, Deduct</i>	-0.77	
<i>For >100, Deduct</i>	-1.54	
05 05 23 00-0060 EA 5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	11.59	0.96
<i>For >10 To 50, Deduct</i>	-0.40	
<i>For >50 To 100, Deduct</i>	-0.89	
<i>For >100, Deduct</i>	-1.78	
05 05 23 00-0061 EA 5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	12.26	1.01
<i>For >10 To 50, Deduct</i>	-0.42	
<i>For >50 To 100, Deduct</i>	-0.94	
<i>For >100, Deduct</i>	-1.87	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0062	EA		3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	10.16	0.84
			<i>For >10 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-0.78	
			<i>For >100, Deduct</i>	-1.56	
05 05 23 00-0063	EA		3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	12.34	0.96
			<i>For >10 To 50, Deduct</i>	-0.40	
			<i>For >50 To 100, Deduct</i>	-0.91	
			<i>For >100, Deduct</i>	-1.82	
05 05 23 00-0064	EA		3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	14.22	1.01
			<i>For >10 To 50, Deduct</i>	-0.42	
			<i>For >50 To 100, Deduct</i>	-0.98	
			<i>For >100, Deduct</i>	-1.97	
05 05 23 00-0065	EA		3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	18.25	1.06
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-1.12	
			<i>For >100, Deduct</i>	-2.24	
05 05 23 00-0066	EA		7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	13.48	0.92
			<i>For >10 To 50, Deduct</i>	-0.38	
			<i>For >50 To 100, Deduct</i>	-0.91	
			<i>For >100, Deduct</i>	-1.82	
05 05 23 00-0067	EA		7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	15.09	1.01
			<i>For >10 To 50, Deduct</i>	-0.42	
			<i>For >50 To 100, Deduct</i>	-1.01	
			<i>For >100, Deduct</i>	-2.01	
05 05 23 00-0068	EA		7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	17.30	1.06
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-1.09	
			<i>For >100, Deduct</i>	-2.19	
05 05 23 00-0069	EA		7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	21.63	1.11
			<i>For >10 To 50, Deduct</i>	-0.46	
			<i>For >50 To 100, Deduct</i>	-1.24	
			<i>For >100, Deduct</i>	-2.47	
05 05 23 00-0070	EA		1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	14.21	0.95
			<i>For >10 To 50, Deduct</i>	-0.40	
			<i>For >50 To 100, Deduct</i>	-0.95	
			<i>For >100, Deduct</i>	-1.90	
05 05 23 00-0071	EA		1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	18.86	1.06
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-1.13	
			<i>For >100, Deduct</i>	-2.27	
05 05 23 00-0072	EA		1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	20.63	1.11
			<i>For >10 To 50, Deduct</i>	-0.46	
			<i>For >50 To 100, Deduct</i>	-1.21	
			<i>For >100, Deduct</i>	-2.42	
05 05 23 00-0073	EA		1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	26.25	1.18
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.40	
			<i>For >100, Deduct</i>	-2.79	
05 05 23 00-0074	EA		1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt.....	26.09	1.18
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.39	
			<i>For >100, Deduct</i>	-2.79	
05 05 23 00-0075	EA		1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	27.83	1.26
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.48	
			<i>For >100, Deduct</i>	-2.96	
05 05 23 00-0076	EA		1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	32.54	1.34
			<i>For >10 To 50, Deduct</i>	-0.56	
			<i>For >50 To 100, Deduct</i>	-1.65	
			<i>For >100, Deduct</i>	-3.31	
05 05 23 00-0077	EA		1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	37.66	1.44
			<i>For >10 To 50, Deduct</i>	-0.60	
			<i>For >50 To 100, Deduct</i>	-1.84	
			<i>For >100, Deduct</i>	-3.68	
05 05 23 00-0078			A490 High Strength Structural Bolts (05 05 23 00-0001) Note: Includes A490 heavy hex nut and two structural washers.		
05 05 23 00-0079			Plain Finish A490 High Strength Structural Bolts (05 05 23 00-0078)		
05 05 23 00-0080	EA		5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	9.30	0.84
			<i>For >10 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-0.76	
			<i>For >100, Deduct</i>	-1.52	
05 05 23 00-0081	EA		5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	13.01	0.96
			<i>For >10 To 50, Deduct</i>	-0.40	
			<i>For >50 To 100, Deduct</i>	-0.93	
			<i>For >100, Deduct</i>	-1.86	
05 05 23 00-0082	EA		5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	13.91	1.01
			<i>For >10 To 50, Deduct</i>	-0.42	
			<i>For >50 To 100, Deduct</i>	-0.98	
			<i>For >100, Deduct</i>	-1.95	
05 05 23 00-0083	EA		3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	10.41	0.84
			<i>For >10 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-0.79	
			<i>For >100, Deduct</i>	-1.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0084 EA 3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	12.57	0.96
<i>For >10 To 50, Deduct</i>	-0.40	
<i>For >50 To 100, Deduct</i>	-0.92	
<i>For >100, Deduct</i>	-1.83	
05 05 23 00-0085 EA 3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	14.62	1.01
<i>For >10 To 50, Deduct</i>	-0.42	
<i>For >50 To 100, Deduct</i>	-0.99	
<i>For >100, Deduct</i>	-1.99	
05 05 23 00-0086 EA 3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	18.74	1.06
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-1.13	
<i>For >100, Deduct</i>	-2.26	
05 05 23 00-0087 EA 7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	12.06	0.92
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.87	
<i>For >100, Deduct</i>	-1.75	
05 05 23 00-0088 EA 7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	14.06	1.01
<i>For >10 To 50, Deduct</i>	-0.42	
<i>For >50 To 100, Deduct</i>	-0.98	
<i>For >100, Deduct</i>	-1.96	
05 05 23 00-0089 EA 7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	20.21	1.06
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-1.17	
<i>For >100, Deduct</i>	-2.33	
05 05 23 00-0090 EA 1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	14.17	0.95
<i>For >10 To 50, Deduct</i>	-0.40	
<i>For >50 To 100, Deduct</i>	-0.95	
<i>For >100, Deduct</i>	-1.90	
05 05 23 00-0091 EA 1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	16.91	1.06
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-1.08	
<i>For >100, Deduct</i>	-2.17	
05 05 23 00-0092 EA 1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	19.43	1.11
<i>For >10 To 50, Deduct</i>	-0.46	
<i>For >50 To 100, Deduct</i>	-1.18	
<i>For >100, Deduct</i>	-2.36	
05 05 23 00-0093 EA 1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt.....	24.23	1.18
<i>For >10 To 50, Deduct</i>	-0.49	
<i>For >50 To 100, Deduct</i>	-1.35	
<i>For >100, Deduct</i>	-2.69	
05 05 23 00-0094 EA 1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	31.03	1.26
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.56	
<i>For >100, Deduct</i>	-3.12	
05 05 23 00-0095 EA 1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	32.65	1.34
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.66	
<i>For >100, Deduct</i>	-3.31	
05 05 23 00-0096 EA 1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	34.08	1.44
<i>For >10 To 50, Deduct</i>	-0.60	
<i>For >50 To 100, Deduct</i>	-1.75	
<i>For >100, Deduct</i>	-3.50	
05 05 23 00-0097 Hex Head Bolts <small>(05 05 23 00-0001)</small>		
05 05 23 00-0098 Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0099 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0100 EA 1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.74	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0101 EA 1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.76	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0102 EA 1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.80	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0103 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.83	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0104 EA 1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.96	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0105 EA 1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.97	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.13	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0106	EA		1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.04	
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0107	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.16	
			<i>For >100 To 250, Deduct</i>	-0.78	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0108	EA		1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.18	
			<i>For >100 To 250, Deduct</i>	-0.78	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0109	EA		1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.29	
			<i>For >100 To 250, Deduct</i>	-0.78	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0110	EA		1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.47	
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0111	EA		1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.55	
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0112	EA		1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.67	
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0113	EA		1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.03	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0114	EA		1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.20	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0115	EA		1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.24	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0116			5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0117	EA		5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.78	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-0.92	
			<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0118	EA		5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.80	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-0.92	
			<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0119	EA		5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.84	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-0.92	
			<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0120	EA		5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.87	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-0.92	
			<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0121	EA		5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.01	
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0122	EA		5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.08	
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0123	EA		5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.11	
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0124	EA		5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.29	
			<i>For >100 To 250, Deduct</i>	-0.78	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0125	EA		5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.39	
			<i>For >100 To 250, Deduct</i>	-0.78	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0126	EA		5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.43	
			<i>For >100 To 250, Deduct</i>	-0.78	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500, Deduct</i>	-1.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0127 EA 5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.56	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0128 EA 5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.60	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0129 EA 5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.99	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0130 EA 5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.31	
<i>For >100 To 250, Deduct</i>	-0.82	
<i>For >250 To 500, Deduct</i>	-1.03	
<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0131 EA 5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.48	
<i>For >100 To 250, Deduct</i>	-0.82	
<i>For >250 To 500, Deduct</i>	-1.03	
<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0132 EA 5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.64	
<i>For >100 To 250, Deduct</i>	-0.82	
<i>For >250 To 500, Deduct</i>	-1.03	
<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0133 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0134 EA 3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.83	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0135 EA 3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.85	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0136 EA 3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.90	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0137 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.95	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0138 EA 3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.10	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0139 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.19	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0140 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.28	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0141 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.48	
<i>For >100 To 250, Deduct</i>	-0.78	
<i>For >250 To 500, Deduct</i>	-0.97	
<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0142 EA 3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.60	
<i>For >100 To 250, Deduct</i>	-0.78	
<i>For >250 To 500, Deduct</i>	-0.97	
<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0143 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.66	
<i>For >100 To 250, Deduct</i>	-0.78	
<i>For >250 To 500, Deduct</i>	-0.97	
<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0144 EA 3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.88	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0145 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.95	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0146 EA 3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.99	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0147 EA 3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.15	
<i>For >100 To 250, Deduct</i>	-0.82	
<i>For >250 To 500, Deduct</i>	-1.03	
<i>For >500, Deduct</i>	-1.23	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0148	EA		3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.22	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0149	EA		3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.33	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0150			7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0151	EA		7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.58	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0152	EA		7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.66	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0153	EA		7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.67	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0154	EA		7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.87	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0155	EA		7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.98	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0156	EA		7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.07	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0157	EA		7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.42	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0158	EA		7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.48	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0159	EA		7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.62	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0160	EA		7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.94	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0161	EA		7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.00	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0162	EA		7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.17	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0163	EA		7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.35	
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0164	EA		7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.51	
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0165	EA		7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.81	
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0166			1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0167	EA		1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.52	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0168	EA		1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.61	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0169 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.70	
<i>For >100 To 250, Deduct</i>	-0.84	
<i>For >250 To 500, Deduct</i>	-1.05	
<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0170 EA 1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.90	
<i>For >100 To 250, Deduct</i>	-0.86	
<i>For >250 To 500, Deduct</i>	-1.08	
<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0171 EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.99	
<i>For >100 To 250, Deduct</i>	-0.86	
<i>For >250 To 500, Deduct</i>	-1.08	
<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0172 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.08	
<i>For >100 To 250, Deduct</i>	-0.86	
<i>For >250 To 500, Deduct</i>	-1.08	
<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0173 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.31	
<i>For >100 To 250, Deduct</i>	-0.88	
<i>For >250 To 500, Deduct</i>	-1.11	
<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0174 EA 1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.42	
<i>For >100 To 250, Deduct</i>	-0.88	
<i>For >250 To 500, Deduct</i>	-1.11	
<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0175 EA 1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.60	
<i>For >100 To 250, Deduct</i>	-0.88	
<i>For >250 To 500, Deduct</i>	-1.11	
<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0176 EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.73	
<i>For >100 To 250, Deduct</i>	-0.90	
<i>For >250 To 500, Deduct</i>	-1.13	
<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0177 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.75	
<i>For >100 To 250, Deduct</i>	-0.90	
<i>For >250 To 500, Deduct</i>	-1.13	
<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0178 EA 1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.91	
<i>For >100 To 250, Deduct</i>	-0.90	
<i>For >250 To 500, Deduct</i>	-1.13	
<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0179 EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.16	
<i>For >100 To 250, Deduct</i>	-0.93	
<i>For >250 To 500, Deduct</i>	-1.16	
<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0180 EA 1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.26	
<i>For >100 To 250, Deduct</i>	-0.93	
<i>For >250 To 500, Deduct</i>	-1.16	
<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0181 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.53	
<i>For >100 To 250, Deduct</i>	-0.93	
<i>For >250 To 500, Deduct</i>	-1.16	
<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0182 EA 1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.76	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0183 EA 1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.86	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0184 EA 1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.24	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0185 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.35	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0186 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0187 EA 9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.61	
<i>For >100 To 250, Deduct</i>	-0.84	
<i>For >250 To 500, Deduct</i>	-1.05	
<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0188 EA 9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.73	
<i>For >100 To 250, Deduct</i>	-0.84	
<i>For >250 To 500, Deduct</i>	-1.05	
<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0189 EA 9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.76	
<i>For >100 To 250, Deduct</i>	-0.84	
<i>For >250 To 500, Deduct</i>	-1.05	
<i>For >500, Deduct</i>	-1.26	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0190	EA		9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.26	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0191	EA		9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.42	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0192	EA		9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.47	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0193	EA		9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.60	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0194	EA		9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.64	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0195	EA		9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.78	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0196	EA		9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.91	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0197	EA		9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.94	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0198	EA		9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.06	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0199	EA		9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.30	
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0200	EA		9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.45	
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0201	EA		9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.59	
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0202	EA		9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.81	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0203	EA		9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.98	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0204	EA		9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.09	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0205	EA		9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.27	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0206			5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0207	EA		5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.40	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0208	EA		5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.48	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0209	EA		5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.59	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0210	EA		5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.84	
			<i>For >100 To 250, Deduct</i>	-0.97	
			<i>For >250 To 500, Deduct</i>	-1.21	
			<i>For >500, Deduct</i>	-1.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0211 EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.00	
<i>For >100 To 250, Deduct</i>	-0.97	
<i>For >250 To 500, Deduct</i>	-1.21	
<i>For >500, Deduct</i>	-1.45	
05 05 23 00-0212 EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.19	
<i>For >100 To 250, Deduct</i>	-0.97	
<i>For >250 To 500, Deduct</i>	-1.21	
<i>For >500, Deduct</i>	-1.45	
05 05 23 00-0213 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.54	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.24	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0214 EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.84	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.24	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0215 EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.07	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.24	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0216 EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.27	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0217 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.30	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0218 EA 5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.70	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0219 EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.03	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0220 EA 5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.35	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0221 EA 5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.71	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0222 EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.21	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0223 EA 5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.57	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0224 EA 5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.94	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0225 EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.22	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0226 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0227 EA 3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.67	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0228 EA 3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.83	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0229 EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.98	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0230 EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.28	
<i>For >100 To 250, Deduct</i>	-0.97	
<i>For >250 To 500, Deduct</i>	-1.21	
<i>For >500, Deduct</i>	-1.45	
05 05 23 00-0231 EA 3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.51	
<i>For >100 To 250, Deduct</i>	-0.97	
<i>For >250 To 500, Deduct</i>	-1.21	
<i>For >500, Deduct</i>	-1.45	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0232	EA		3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.72	
			<i>For >100 To 250, Deduct</i>	-0.97	
			<i>For >250 To 500, Deduct</i>	-1.21	
			<i>For >500, Deduct</i>	-1.45	
05 05 23 00-0233	EA		3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.04	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.24	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0234	EA		3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.32	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.24	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0235	EA		3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.55	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.24	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0236	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.12	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0237	EA		3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.30	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0238	EA		3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.66	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0239	EA		3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.79	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0240	EA		3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.61	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0241	EA		3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.99	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0242	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.60	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0243	EA		3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.98	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0244	EA		3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.49	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0245	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.99	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0246			7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts ^{(05 05}		
			_{23 00-0098)}		
05 05 23 00-0247	EA		7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.05	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0248	EA		7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.19	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0249	EA		7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.25	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0250	EA		7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.56	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0251	EA		7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.93	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0252	EA		7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.37	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0253 EA 7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.84	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0254 EA 7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.47	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0255 EA 7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.83	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0256 EA 7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.22	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0257 EA 7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.42	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0258 EA 7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.93	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0259 EA 7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.53	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0260 EA 7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.04	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0261 EA 7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.54	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0262 EA 7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.12	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0263 EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.65	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0264 EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.14	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0265 EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.66	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0266 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)		
05 05 23 00-0267 EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.67	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0268 EA 1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.59	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0269 EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.29	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0270 EA 1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.01	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0271 EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.67	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0272 EA 1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.45	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0273 EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.09	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.64	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0274	EA		1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.75	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0275	EA		1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.19	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0276	EA		1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.51	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0277	EA		1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.06	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0278	EA		1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.72	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0279	EA		1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.26	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0280	EA		1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.84	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0281	EA		1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.39	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0282	EA		1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.04	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0283	EA		1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.61	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0284	EA		1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.18	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0285			Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0286			1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0287	EA		1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.78	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-0.92	
			<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0288	EA		1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.80	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-0.92	
			<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0289	EA		1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.83	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-0.92	
			<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0290	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.88	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-0.92	
			<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0291	EA		1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.03	
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0292	EA		1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.11	
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0293	EA		1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.21	
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0294	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.39	
			<i>For >100 To 250, Deduct</i>	-0.78	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0295	EA		1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.51	
			<i>For >100 To 250, Deduct</i>	-0.78	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500, Deduct</i>	-1.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0296 EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.59	
<i>For >100 To 250, Deduct</i>	-0.78	
<i>For >250 To 500, Deduct</i>	-0.97	
<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0297 EA 1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.77	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0298 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.85	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0299 EA 1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.92	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0300 EA 1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.14	
<i>For >100 To 250, Deduct</i>	-0.82	
<i>For >250 To 500, Deduct</i>	-1.03	
<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0301 EA 1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.24	
<i>For >100 To 250, Deduct</i>	-0.82	
<i>For >250 To 500, Deduct</i>	-1.03	
<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0302 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.35	
<i>For >100 To 250, Deduct</i>	-0.82	
<i>For >250 To 500, Deduct</i>	-1.03	
<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0303 5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0304 EA 5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.83	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0305 EA 5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.85	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0306 EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.89	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0307 EA 5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.95	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0308 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.10	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0309 EA 5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.19	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0310 EA 5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.33	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0311 EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.52	
<i>For >100 To 250, Deduct</i>	-0.78	
<i>For >250 To 500, Deduct</i>	-0.97	
<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0312 EA 5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.63	
<i>For >100 To 250, Deduct</i>	-0.78	
<i>For >250 To 500, Deduct</i>	-0.97	
<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0313 EA 5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.74	
<i>For >100 To 250, Deduct</i>	-0.78	
<i>For >250 To 500, Deduct</i>	-0.97	
<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0314 EA 5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.05	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0315 EA 5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.09	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0316 EA 5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.23	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0317 EA 5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.53	
For >100 To 250, Deduct	-0.82	
For >250 To 500, Deduct	-1.03	
For >500, Deduct	-1.23	
05 05 23 00-0318 EA 5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.73	
For >100 To 250, Deduct	-0.82	
For >250 To 500, Deduct	-1.03	
For >500, Deduct	-1.23	
05 05 23 00-0319 EA 5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.92	
For >100 To 250, Deduct	-0.82	
For >250 To 500, Deduct	-1.03	
For >500, Deduct	-1.23	
05 05 23 00-0320 3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0321 EA 3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.86	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.10	
05 05 23 00-0322 EA 3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.88	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.10	
05 05 23 00-0323 EA 3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.95	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.10	
05 05 23 00-0324 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.02	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.10	
05 05 23 00-0325 EA 3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.19	
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-0.95	
For >500, Deduct	-1.13	
05 05 23 00-0326 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.27	
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-0.95	
For >500, Deduct	-1.13	
05 05 23 00-0327 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.40	
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-0.95	
For >500, Deduct	-1.13	
05 05 23 00-0328 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.65	
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-0.97	
For >500, Deduct	-1.17	
05 05 23 00-0329 EA 3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.95	
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-0.97	
For >500, Deduct	-1.17	
05 05 23 00-0330 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.08	
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-0.97	
For >500, Deduct	-1.17	
05 05 23 00-0331 EA 3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.36	
For >100 To 250, Deduct	-0.80	
For >250 To 500, Deduct	-1.00	
For >500, Deduct	-1.20	
05 05 23 00-0332 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.49	
For >100 To 250, Deduct	-0.80	
For >250 To 500, Deduct	-1.00	
For >500, Deduct	-1.20	
05 05 23 00-0333 EA 3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.71	
For >100 To 250, Deduct	-0.80	
For >250 To 500, Deduct	-1.00	
For >500, Deduct	-1.20	
05 05 23 00-0334 EA 3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.00	
For >100 To 250, Deduct	-0.82	
For >250 To 500, Deduct	-1.03	
For >500, Deduct	-1.23	
05 05 23 00-0335 EA 3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.30	
For >100 To 250, Deduct	-0.82	
For >250 To 500, Deduct	-1.03	
For >500, Deduct	-1.23	
05 05 23 00-0336 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.54	
For >100 To 250, Deduct	-0.82	
For >250 To 500, Deduct	-1.03	
For >500, Deduct	-1.23	
05 05 23 00-0337 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0338 EA 7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.53	
<i>For >100 To 250, Deduct</i>	-0.84	
<i>For >250 To 500, Deduct</i>	-1.05	
<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0339 EA 7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.59	
<i>For >100 To 250, Deduct</i>	-0.84	
<i>For >250 To 500, Deduct</i>	-1.05	
<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0340 EA 7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.74	
<i>For >100 To 250, Deduct</i>	-0.84	
<i>For >250 To 500, Deduct</i>	-1.05	
<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0341 EA 7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.96	
<i>For >100 To 250, Deduct</i>	-0.86	
<i>For >250 To 500, Deduct</i>	-1.08	
<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0342 EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.07	
<i>For >100 To 250, Deduct</i>	-0.86	
<i>For >250 To 500, Deduct</i>	-1.08	
<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0343 EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.18	
<i>For >100 To 250, Deduct</i>	-0.86	
<i>For >250 To 500, Deduct</i>	-1.08	
<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0344 EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.42	
<i>For >100 To 250, Deduct</i>	-0.88	
<i>For >250 To 500, Deduct</i>	-1.11	
<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0345 EA 7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.02	
<i>For >100 To 250, Deduct</i>	-0.88	
<i>For >250 To 500, Deduct</i>	-1.11	
<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0346 EA 7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.28	
<i>For >100 To 250, Deduct</i>	-0.88	
<i>For >250 To 500, Deduct</i>	-1.11	
<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0347 EA 7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.46	
<i>For >100 To 250, Deduct</i>	-0.90	
<i>For >250 To 500, Deduct</i>	-1.13	
<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0348 EA 7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.58	
<i>For >100 To 250, Deduct</i>	-0.90	
<i>For >250 To 500, Deduct</i>	-1.13	
<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0349 EA 7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.71	
<i>For >100 To 250, Deduct</i>	-0.90	
<i>For >250 To 500, Deduct</i>	-1.13	
<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0350 EA 7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.99	
<i>For >100 To 250, Deduct</i>	-0.93	
<i>For >250 To 500, Deduct</i>	-1.16	
<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0351 EA 7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.17	
<i>For >100 To 250, Deduct</i>	-0.93	
<i>For >250 To 500, Deduct</i>	-1.16	
<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0352 EA 7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.34	
<i>For >100 To 250, Deduct</i>	-0.93	
<i>For >250 To 500, Deduct</i>	-1.16	
<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0353 1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>	4.61	
EA 1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.61	
<i>For >100 To 250, Deduct</i>	-0.84	
<i>For >250 To 500, Deduct</i>	-1.05	
<i>For >500, Deduct</i>	-1.26	
EA 1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.69	
<i>For >100 To 250, Deduct</i>	-0.84	
<i>For >250 To 500, Deduct</i>	-1.05	
<i>For >500, Deduct</i>	-1.26	
EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.78	
<i>For >100 To 250, Deduct</i>	-0.84	
<i>For >250 To 500, Deduct</i>	-1.05	
<i>For >500, Deduct</i>	-1.26	
EA 1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.02	
<i>For >100 To 250, Deduct</i>	-0.86	
<i>For >250 To 500, Deduct</i>	-1.08	
<i>For >500, Deduct</i>	-1.29	
EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.16	
<i>For >100 To 250, Deduct</i>	-0.86	
<i>For >250 To 500, Deduct</i>	-1.08	
<i>For >500, Deduct</i>	-1.29	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0359	EA		1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.30	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0360	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.54	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0361	EA		1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.00	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0362	EA		1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.03	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0363	EA		1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.45	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0364	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.63	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0365	EA		1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.09	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0366	EA		1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.62	
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0367	EA		1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.89	
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0368	EA		1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.98	
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0369	EA		1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.56	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0370	EA		1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.02	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0371	EA		1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.67	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0372	EA		1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.91	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0373			9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0374	EA		9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.86	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0375	EA		9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.01	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0376	EA		9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.15	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0377	EA		9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.40	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0378	EA		9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.59	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0379	EA		9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.79	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0380 EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.14	
<i>For >100 To 250, Deduct</i>	-0.88	
<i>For >250 To 500, Deduct</i>	-1.11	
<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0381 EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.96	
<i>For >100 To 250, Deduct</i>	-0.88	
<i>For >250 To 500, Deduct</i>	-1.11	
<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0382 EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.16	
<i>For >100 To 250, Deduct</i>	-0.88	
<i>For >250 To 500, Deduct</i>	-1.11	
<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0383 EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.50	
<i>For >100 To 250, Deduct</i>	-0.90	
<i>For >250 To 500, Deduct</i>	-1.13	
<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0384 EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.72	
<i>For >100 To 250, Deduct</i>	-0.90	
<i>For >250 To 500, Deduct</i>	-1.13	
<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0385 EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.47	
<i>For >100 To 250, Deduct</i>	-0.90	
<i>For >250 To 500, Deduct</i>	-1.13	
<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0386 EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.51	
<i>For >100 To 250, Deduct</i>	-0.93	
<i>For >250 To 500, Deduct</i>	-1.16	
<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0387 EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.81	
<i>For >100 To 250, Deduct</i>	-0.93	
<i>For >250 To 500, Deduct</i>	-1.16	
<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0388 EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.33	
<i>For >100 To 250, Deduct</i>	-0.93	
<i>For >250 To 500, Deduct</i>	-1.16	
<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0389 EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.92	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0390 EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.11	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0391 EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.29	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0392 EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.76	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0393 5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0394 EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.54	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0395 EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.59	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0396 EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.64	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0397 EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.89	
<i>For >100 To 250, Deduct</i>	-0.97	
<i>For >250 To 500, Deduct</i>	-1.21	
<i>For >500, Deduct</i>	-1.45	
05 05 23 00-0398 EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.14	
<i>For >100 To 250, Deduct</i>	-0.97	
<i>For >250 To 500, Deduct</i>	-1.21	
<i>For >500, Deduct</i>	-1.45	
05 05 23 00-0399 EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.36	
<i>For >100 To 250, Deduct</i>	-0.97	
<i>For >250 To 500, Deduct</i>	-1.21	
<i>For >500, Deduct</i>	-1.45	
05 05 23 00-0400 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.70	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.24	
<i>For >500, Deduct</i>	-1.48	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0401	EA		5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.13	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.24	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0402	EA		5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.36	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.24	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0403	EA		5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.58	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0404	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.96	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0405	EA		5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.55	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0406	EA		5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.20	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0407	EA		5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.69	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0408	EA		5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.76	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0409	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.75	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0410	EA		5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.41	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0411	EA		5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.37	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0412	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.71	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0413			3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-02B5)	6.09	
05 05 23 00-0414	EA		3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.09	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0415	EA		3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.19	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0416	EA		3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.25	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0417	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.56	
			<i>For >100 To 250, Deduct</i>	-0.97	
			<i>For >250 To 500, Deduct</i>	-1.21	
			<i>For >500, Deduct</i>	-1.45	
05 05 23 00-0418	EA		3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.81	
			<i>For >100 To 250, Deduct</i>	-0.97	
			<i>For >250 To 500, Deduct</i>	-1.21	
			<i>For >500, Deduct</i>	-1.45	
05 05 23 00-0419	EA		3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.19	
			<i>For >100 To 250, Deduct</i>	-0.97	
			<i>For >250 To 500, Deduct</i>	-1.21	
			<i>For >500, Deduct</i>	-1.45	
05 05 23 00-0420	EA		3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.54	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.24	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0421	EA		3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.78	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.24	
			<i>For >500, Deduct</i>	-1.48	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0422	EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	8.29	
	For >100 To 250, Deduct		-0.99	
	For >250 To 500, Deduct		-1.24	
	For >500, Deduct		-1.48	
05 05 23 00-0423	EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	8.62	
	For >100 To 250, Deduct		-1.01	
	For >250 To 500, Deduct		-1.26	
	For >500, Deduct		-1.51	
05 05 23 00-0424	EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	9.04	
	For >100 To 250, Deduct		-1.01	
	For >250 To 500, Deduct		-1.26	
	For >500, Deduct		-1.51	
05 05 23 00-0425	EA 3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	9.56	
	For >100 To 250, Deduct		-1.01	
	For >250 To 500, Deduct		-1.26	
	For >500, Deduct		-1.51	
05 05 23 00-0426	EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	10.39	
	For >100 To 250, Deduct		-1.03	
	For >250 To 500, Deduct		-1.29	
	For >500, Deduct		-1.55	
05 05 23 00-0427	EA 3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	10.93	
	For >100 To 250, Deduct		-1.03	
	For >250 To 500, Deduct		-1.29	
	For >500, Deduct		-1.55	
05 05 23 00-0428	EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	11.23	
	For >100 To 250, Deduct		-1.03	
	For >250 To 500, Deduct		-1.29	
	For >500, Deduct		-1.55	
05 05 23 00-0429	EA 3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	12.12	
	For >100 To 250, Deduct		-1.05	
	For >250 To 500, Deduct		-1.31	
	For >500, Deduct		-1.58	
05 05 23 00-0430	EA 3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	12.39	
	For >100 To 250, Deduct		-1.05	
	For >250 To 500, Deduct		-1.31	
	For >500, Deduct		-1.58	
05 05 23 00-0431	EA 3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	13.27	
	For >100 To 250, Deduct		-1.05	
	For >250 To 500, Deduct		-1.31	
	For >500, Deduct		-1.58	
05 05 23 00-0432	EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	13.49	
	For >100 To 250, Deduct		-1.05	
	For >250 To 500, Deduct		-1.31	
	For >500, Deduct		-1.58	
05 05 23 00-0433	7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>			
05 05 23 00-0434	EA 7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	7.31	
	For >100 To 250, Deduct		-1.05	
	For >250 To 500, Deduct		-1.31	
	For >500, Deduct		-1.58	
05 05 23 00-0435	EA 7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	7.43	
	For >100 To 250, Deduct		-1.05	
	For >250 To 500, Deduct		-1.31	
	For >500, Deduct		-1.58	
05 05 23 00-0436	EA 7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	7.60	
	For >100 To 250, Deduct		-1.05	
	For >250 To 500, Deduct		-1.31	
	For >500, Deduct		-1.58	
05 05 23 00-0437	EA 7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	7.88	
	For >100 To 250, Deduct		-1.07	
	For >250 To 500, Deduct		-1.34	
	For >500, Deduct		-1.61	
05 05 23 00-0438	EA 7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	8.38	
	For >100 To 250, Deduct		-1.07	
	For >250 To 500, Deduct		-1.34	
	For >500, Deduct		-1.61	
05 05 23 00-0439	EA 7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	8.71	
	For >100 To 250, Deduct		-1.07	
	For >250 To 500, Deduct		-1.34	
	For >500, Deduct		-1.61	
05 05 23 00-0440	EA 7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	9.05	
	For >100 To 250, Deduct		-1.09	
	For >250 To 500, Deduct		-1.37	
	For >500, Deduct		-1.64	
05 05 23 00-0441	EA 7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	9.64	
	For >100 To 250, Deduct		-1.09	
	For >250 To 500, Deduct		-1.37	
	For >500, Deduct		-1.64	
05 05 23 00-0442	EA 7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	10.08	
	For >100 To 250, Deduct		-1.09	
	For >250 To 500, Deduct		-1.37	
	For >500, Deduct		-1.64	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0443	EA		7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.40	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0444	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.77	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0445	EA		7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.34	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0446	EA		7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.01	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0447	EA		7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.70	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0448	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.74	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0449	EA		7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.84	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0450	EA		7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.52	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0451	EA		7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.09	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0452	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.67	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0453			1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0454	EA		1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.41	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0455	EA		1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.45	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0456	EA		1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.94	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0457	EA		1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.42	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0458	EA		1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.77	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0459	EA		1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.32	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0460	EA		1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.89	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0461	EA		1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.70	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0462	EA		1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.40	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0463	EA		1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.57	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0464 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.71	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0465 EA 1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.54	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0466 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.76	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0467 EA 1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.10	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0468 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.10	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0469 EA 1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.40	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0470 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.24	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0471 EA 1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.81	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0472 Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0097)		
05 05 23 00-0473 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0474 EA 1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.79	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0475 EA 1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.85	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0476 EA 1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.88	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0477 EA 1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.94	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0478 EA 1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.08	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0479 EA 1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.15	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0480 EA 1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.21	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0481 EA 1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.33	
<i>For >100 To 250, Deduct</i>	-0.78	
<i>For >250 To 500, Deduct</i>	-0.97	
<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0482 EA 1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.52	
<i>For >100 To 250, Deduct</i>	-0.78	
<i>For >250 To 500, Deduct</i>	-0.97	
<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0483 EA 1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.69	
<i>For >100 To 250, Deduct</i>	-0.78	
<i>For >250 To 500, Deduct</i>	-0.97	
<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0484 EA 1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.88	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0485 EA 1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.98	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0486	EA		1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.10	
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0487	EA		1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.30	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0488	EA		1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.53	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0489	EA		1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.64	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0490			5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0491	EA		5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.84	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-0.92	
			<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0492	EA		5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.87	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-0.92	
			<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0493	EA		5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.99	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-0.92	
			<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0494	EA		5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.01	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-0.92	
			<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0495	EA		5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.17	
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0496	EA		5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.34	
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0497	EA		5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.39	
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0498	EA		5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.59	
			<i>For >100 To 250, Deduct</i>	-0.78	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0499	EA		5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.70	
			<i>For >100 To 250, Deduct</i>	-0.78	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0500	EA		5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.94	
			<i>For >100 To 250, Deduct</i>	-0.78	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0501	EA		5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.18	
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0502	EA		5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.27	
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0503	EA		5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.41	
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0504	EA		5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.63	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0505	EA		5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.74	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0506	EA		5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.94	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500, Deduct</i>	-1.23	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0507	3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>			
05 05 23 00-0508	EA 3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		3.96	
	<i>For >100 To 250, Deduct</i>		-0.74	
	<i>For >250 To 500, Deduct</i>		-0.92	
	<i>For >500, Deduct</i>		-1.10	
05 05 23 00-0509	EA 3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		3.97	
	<i>For >100 To 250, Deduct</i>		-0.74	
	<i>For >250 To 500, Deduct</i>		-0.92	
	<i>For >500, Deduct</i>		-1.10	
05 05 23 00-0510	EA 3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		3.98	
	<i>For >100 To 250, Deduct</i>		-0.74	
	<i>For >250 To 500, Deduct</i>		-0.92	
	<i>For >500, Deduct</i>		-1.10	
05 05 23 00-0511	EA 3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		4.11	
	<i>For >100 To 250, Deduct</i>		-0.74	
	<i>For >250 To 500, Deduct</i>		-0.92	
	<i>For >500, Deduct</i>		-1.10	
05 05 23 00-0512	EA 3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		4.29	
	<i>For >100 To 250, Deduct</i>		-0.76	
	<i>For >250 To 500, Deduct</i>		-0.95	
	<i>For >500, Deduct</i>		-1.13	
05 05 23 00-0513	EA 3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		4.42	
	<i>For >100 To 250, Deduct</i>		-0.76	
	<i>For >250 To 500, Deduct</i>		-0.95	
	<i>For >500, Deduct</i>		-1.13	
05 05 23 00-0514	EA 3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		4.54	
	<i>For >100 To 250, Deduct</i>		-0.76	
	<i>For >250 To 500, Deduct</i>		-0.95	
	<i>For >500, Deduct</i>		-1.13	
05 05 23 00-0515	EA 3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		5.02	
	<i>For >100 To 250, Deduct</i>		-0.78	
	<i>For >250 To 500, Deduct</i>		-0.97	
	<i>For >500, Deduct</i>		-1.17	
05 05 23 00-0516	EA 3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		5.17	
	<i>For >100 To 250, Deduct</i>		-0.78	
	<i>For >250 To 500, Deduct</i>		-0.97	
	<i>For >500, Deduct</i>		-1.17	
05 05 23 00-0517	EA 3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		5.20	
	<i>For >100 To 250, Deduct</i>		-0.78	
	<i>For >250 To 500, Deduct</i>		-0.97	
	<i>For >500, Deduct</i>		-1.17	
05 05 23 00-0518	EA 3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		5.36	
	<i>For >100 To 250, Deduct</i>		-0.80	
	<i>For >250 To 500, Deduct</i>		-1.00	
	<i>For >500, Deduct</i>		-1.20	
05 05 23 00-0519	EA 3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		5.53	
	<i>For >100 To 250, Deduct</i>		-0.80	
	<i>For >250 To 500, Deduct</i>		-1.00	
	<i>For >500, Deduct</i>		-1.20	
05 05 23 00-0520	EA 3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		6.26	
	<i>For >100 To 250, Deduct</i>		-0.80	
	<i>For >250 To 500, Deduct</i>		-1.00	
	<i>For >500, Deduct</i>		-1.20	
05 05 23 00-0521	EA 3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		6.55	
	<i>For >100 To 250, Deduct</i>		-0.82	
	<i>For >250 To 500, Deduct</i>		-1.03	
	<i>For >500, Deduct</i>		-1.23	
05 05 23 00-0522	EA 3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		6.89	
	<i>For >100 To 250, Deduct</i>		-0.82	
	<i>For >250 To 500, Deduct</i>		-1.03	
	<i>For >500, Deduct</i>		-1.23	
05 05 23 00-0523	EA 3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		7.66	
	<i>For >100 To 250, Deduct</i>		-0.82	
	<i>For >250 To 500, Deduct</i>		-1.03	
	<i>For >500, Deduct</i>		-1.23	
05 05 23 00-0524	7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>			
05 05 23 00-0525	EA 7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		4.62	
	<i>For >100 To 250, Deduct</i>		-0.84	
	<i>For >250 To 500, Deduct</i>		-1.05	
	<i>For >500, Deduct</i>		-1.26	
05 05 23 00-0526	EA 7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		4.64	
	<i>For >100 To 250, Deduct</i>		-0.84	
	<i>For >250 To 500, Deduct</i>		-1.05	
	<i>For >500, Deduct</i>		-1.26	
05 05 23 00-0527	EA 7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		4.84	
	<i>For >100 To 250, Deduct</i>		-0.84	
	<i>For >250 To 500, Deduct</i>		-1.05	
	<i>For >500, Deduct</i>		-1.26	
05 05 23 00-0528	EA 7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt		4.96	
	<i>For >100 To 250, Deduct</i>		-0.86	
	<i>For >250 To 500, Deduct</i>		-1.08	
	<i>For >500, Deduct</i>		-1.29	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0529	EA		7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.19	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0530	EA		7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.32	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0531	EA		7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.46	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0532	EA		7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.97	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0533	EA		7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.38	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0534	EA		7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.75	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0535	EA		7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.89	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0536	EA		7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.10	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0537	EA		7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.53	
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0538	EA		7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.21	
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0539	EA		7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.26	
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0540			1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0541	EA		1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.75	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0542	EA		1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.90	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0543	EA		1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.00	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0544	EA		1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.19	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0545	EA		1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.36	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0546	EA		1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.73	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0547	EA		1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.11	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0548	EA		1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.32	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0549	EA		1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.48	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0550 EA 1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.85	
<i>For >100 To 250, Deduct</i>	-0.90	
<i>For >250 To 500, Deduct</i>	-1.13	
<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0551 EA 1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.32	
<i>For >100 To 250, Deduct</i>	-0.90	
<i>For >250 To 500, Deduct</i>	-1.13	
<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0552 EA 1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.76	
<i>For >100 To 250, Deduct</i>	-0.90	
<i>For >250 To 500, Deduct</i>	-1.13	
<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0553 EA 1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.25	
<i>For >100 To 250, Deduct</i>	-0.93	
<i>For >250 To 500, Deduct</i>	-1.16	
<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0554 EA 1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.44	
<i>For >100 To 250, Deduct</i>	-0.93	
<i>For >250 To 500, Deduct</i>	-1.16	
<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0555 EA 1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.98	
<i>For >100 To 250, Deduct</i>	-0.93	
<i>For >250 To 500, Deduct</i>	-1.16	
<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0556 EA 1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.98	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0557 EA 1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.37	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0558 EA 1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.57	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0559 EA 1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.54	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0560 9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0561 EA 9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.89	
<i>For >100 To 250, Deduct</i>	-0.84	
<i>For >250 To 500, Deduct</i>	-1.05	
<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0562 EA 9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	4.98	
<i>For >100 To 250, Deduct</i>	-0.84	
<i>For >250 To 500, Deduct</i>	-1.05	
<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0563 EA 9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.19	
<i>For >100 To 250, Deduct</i>	-0.84	
<i>For >250 To 500, Deduct</i>	-1.05	
<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0564 EA 9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.60	
<i>For >100 To 250, Deduct</i>	-0.86	
<i>For >250 To 500, Deduct</i>	-1.08	
<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0565 EA 9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.67	
<i>For >100 To 250, Deduct</i>	-0.86	
<i>For >250 To 500, Deduct</i>	-1.08	
<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0566 EA 9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.98	
<i>For >100 To 250, Deduct</i>	-0.86	
<i>For >250 To 500, Deduct</i>	-1.08	
<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0567 EA 9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.30	
<i>For >100 To 250, Deduct</i>	-0.88	
<i>For >250 To 500, Deduct</i>	-1.11	
<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0568 EA 9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.30	
<i>For >100 To 250, Deduct</i>	-0.88	
<i>For >250 To 500, Deduct</i>	-1.11	
<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0569 EA 9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.50	
<i>For >100 To 250, Deduct</i>	-0.88	
<i>For >250 To 500, Deduct</i>	-1.11	
<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0570 EA 9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.75	
<i>For >100 To 250, Deduct</i>	-0.90	
<i>For >250 To 500, Deduct</i>	-1.13	
<i>For >500, Deduct</i>	-1.36	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0571	EA		9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.19	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0572	EA		9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.83	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0573	EA		9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.87	
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0574	EA		9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.25	
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0575	EA		9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.83	
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0576			5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0577	EA		5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.73	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0578	EA		5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.83	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0579	EA		5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.06	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0580	EA		5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.50	
			<i>For >100 To 250, Deduct</i>	-0.97	
			<i>For >250 To 500, Deduct</i>	-1.21	
			<i>For >500, Deduct</i>	-1.45	
05 05 23 00-0581	EA		5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.78	
			<i>For >100 To 250, Deduct</i>	-0.97	
			<i>For >250 To 500, Deduct</i>	-1.21	
			<i>For >500, Deduct</i>	-1.45	
05 05 23 00-0582	EA		5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.93	
			<i>For >100 To 250, Deduct</i>	-0.97	
			<i>For >250 To 500, Deduct</i>	-1.21	
			<i>For >500, Deduct</i>	-1.45	
05 05 23 00-0583	EA		5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.14	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.24	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0584	EA		5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.63	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.24	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0585	EA		5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.85	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.24	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0586	EA		5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.18	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0587	EA		5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.42	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0588	EA		5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.90	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0589	EA		5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.17	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0590	EA		5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.72	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0591	EA		5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.95	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0592	EA 5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	.....	12.04	
	<i>For >100 To 250, Deduct</i>		-1.05	
	<i>For >250 To 500, Deduct</i>		-1.31	
	<i>For >500, Deduct</i>		-1.58	
05 05 23 00-0593	EA 5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	.....	13.13	
	<i>For >100 To 250, Deduct</i>		-1.05	
	<i>For >250 To 500, Deduct</i>		-1.31	
	<i>For >500, Deduct</i>		-1.58	
05 05 23 00-0594	EA 5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	.....	13.21	
	<i>For >100 To 250, Deduct</i>		-1.05	
	<i>For >250 To 500, Deduct</i>		-1.31	
	<i>For >500, Deduct</i>		-1.58	
05 05 23 00-0595	EA 5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	.....	14.22	
	<i>For >100 To 250, Deduct</i>		-1.05	
	<i>For >250 To 500, Deduct</i>		-1.31	
	<i>For >500, Deduct</i>		-1.58	
05 05 23 00-0596	3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>			
05 05 23 00-0597	EA 3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	.....	6.25	
	<i>For >100 To 250, Deduct</i>		-0.95	
	<i>For >250 To 500, Deduct</i>		-1.18	
	<i>For >500, Deduct</i>		-1.42	
05 05 23 00-0598	EA 3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	.....	6.35	
	<i>For >100 To 250, Deduct</i>		-0.95	
	<i>For >250 To 500, Deduct</i>		-1.18	
	<i>For >500, Deduct</i>		-1.42	
05 05 23 00-0599	EA 3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	.....	6.42	
	<i>For >100 To 250, Deduct</i>		-0.95	
	<i>For >250 To 500, Deduct</i>		-1.18	
	<i>For >500, Deduct</i>		-1.42	
05 05 23 00-0600	EA 3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	.....	6.67	
	<i>For >100 To 250, Deduct</i>		-0.97	
	<i>For >250 To 500, Deduct</i>		-1.21	
	<i>For >500, Deduct</i>		-1.45	
05 05 23 00-0601	EA 3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	.....	6.87	
	<i>For >100 To 250, Deduct</i>		-0.97	
	<i>For >250 To 500, Deduct</i>		-1.21	
	<i>For >500, Deduct</i>		-1.45	
05 05 23 00-0602	EA 3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	.....	7.46	
	<i>For >100 To 250, Deduct</i>		-0.97	
	<i>For >250 To 500, Deduct</i>		-1.21	
	<i>For >500, Deduct</i>		-1.45	
05 05 23 00-0603	EA 3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	.....	7.81	
	<i>For >100 To 250, Deduct</i>		-0.99	
	<i>For >250 To 500, Deduct</i>		-1.24	
	<i>For >500, Deduct</i>		-1.48	
05 05 23 00-0604	EA 3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	.....	7.86	
	<i>For >100 To 250, Deduct</i>		-0.99	
	<i>For >250 To 500, Deduct</i>		-1.24	
	<i>For >500, Deduct</i>		-1.48	
05 05 23 00-0605	EA 3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	.....	8.67	
	<i>For >100 To 250, Deduct</i>		-0.99	
	<i>For >250 To 500, Deduct</i>		-1.24	
	<i>For >500, Deduct</i>		-1.48	
05 05 23 00-0606	EA 3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	.....	9.06	
	<i>For >100 To 250, Deduct</i>		-1.01	
	<i>For >250 To 500, Deduct</i>		-1.26	
	<i>For >500, Deduct</i>		-1.51	
05 05 23 00-0607	EA 3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	.....	9.48	
	<i>For >100 To 250, Deduct</i>		-1.01	
	<i>For >250 To 500, Deduct</i>		-1.26	
	<i>For >500, Deduct</i>		-1.51	
05 05 23 00-0608	EA 3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	.....	10.27	
	<i>For >100 To 250, Deduct</i>		-1.01	
	<i>For >250 To 500, Deduct</i>		-1.26	
	<i>For >500, Deduct</i>		-1.51	
05 05 23 00-0609	EA 3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	.....	11.34	
	<i>For >100 To 250, Deduct</i>		-1.03	
	<i>For >250 To 500, Deduct</i>		-1.29	
	<i>For >500, Deduct</i>		-1.55	
05 05 23 00-0610	EA 3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	.....	11.76	
	<i>For >100 To 250, Deduct</i>		-1.03	
	<i>For >250 To 500, Deduct</i>		-1.29	
	<i>For >500, Deduct</i>		-1.55	
05 05 23 00-0611	EA 3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	.....	11.97	
	<i>For >100 To 250, Deduct</i>		-1.03	
	<i>For >250 To 500, Deduct</i>		-1.29	
	<i>For >500, Deduct</i>		-1.55	
05 05 23 00-0612	EA 3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	.....	13.11	
	<i>For >100 To 250, Deduct</i>		-1.05	
	<i>For >250 To 500, Deduct</i>		-1.31	
	<i>For >500, Deduct</i>		-1.58	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0613	EA		3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.87	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0614	EA		3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.42	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0615	EA		3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.63	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0616			7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0617	EA		7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.20	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0618	EA		7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.46	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0619	EA		7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.96	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0620	EA		7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.74	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0621	EA		7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.83	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0622	EA		7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.10	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0623	EA		7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.98	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0624	EA		7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.46	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0625	EA		7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.69	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0626	EA		7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.39	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0627	EA		7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.22	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0628	EA		7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.92	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0629	EA		7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.80	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0630	EA		7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.56	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0631	EA		7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.26	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0632	EA		7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.48	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0633	EA		7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.67	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0634	EA			7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.12	
				<i>For >100 To 250, Deduct</i>	-1.16	
				<i>For >250 To 500, Deduct</i>	-1.45	
				<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0635				1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0636	EA			1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.94	
				<i>For >100 To 250, Deduct</i>	-1.05	
				<i>For >250 To 500, Deduct</i>	-1.31	
				<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0637	EA			1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.59	
				<i>For >100 To 250, Deduct</i>	-1.05	
				<i>For >250 To 500, Deduct</i>	-1.31	
				<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0638	EA			1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.00	
				<i>For >100 To 250, Deduct</i>	-1.07	
				<i>For >250 To 500, Deduct</i>	-1.34	
				<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0639	EA			1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.49	
				<i>For >100 To 250, Deduct</i>	-1.07	
				<i>For >250 To 500, Deduct</i>	-1.34	
				<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0640	EA			1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.40	
				<i>For >100 To 250, Deduct</i>	-1.07	
				<i>For >250 To 500, Deduct</i>	-1.34	
				<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0641	EA			1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.74	
				<i>For >100 To 250, Deduct</i>	-1.09	
				<i>For >250 To 500, Deduct</i>	-1.37	
				<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0642	EA			1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.53	
				<i>For >100 To 250, Deduct</i>	-1.09	
				<i>For >250 To 500, Deduct</i>	-1.37	
				<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0643	EA			1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.58	
				<i>For >100 To 250, Deduct</i>	-1.09	
				<i>For >250 To 500, Deduct</i>	-1.37	
				<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0644	EA			1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.18	
				<i>For >100 To 250, Deduct</i>	-1.12	
				<i>For >250 To 500, Deduct</i>	-1.40	
				<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0645	EA			1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.62	
				<i>For >100 To 250, Deduct</i>	-1.12	
				<i>For >250 To 500, Deduct</i>	-1.40	
				<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0646	EA			1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.82	
				<i>For >100 To 250, Deduct</i>	-1.12	
				<i>For >250 To 500, Deduct</i>	-1.40	
				<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0647	EA			1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.26	
				<i>For >100 To 250, Deduct</i>	-1.14	
				<i>For >250 To 500, Deduct</i>	-1.42	
				<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0648	EA			1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.74	
				<i>For >100 To 250, Deduct</i>	-1.14	
				<i>For >250 To 500, Deduct</i>	-1.42	
				<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0649	EA			1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.17	
				<i>For >100 To 250, Deduct</i>	-1.14	
				<i>For >250 To 500, Deduct</i>	-1.42	
				<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0650	EA			1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.59	
				<i>For >100 To 250, Deduct</i>	-1.16	
				<i>For >250 To 500, Deduct</i>	-1.45	
				<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0651	EA			1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.31	
				<i>For >100 To 250, Deduct</i>	-1.16	
				<i>For >250 To 500, Deduct</i>	-1.45	
				<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0652	EA			1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.20	
				<i>For >100 To 250, Deduct</i>	-1.16	
				<i>For >250 To 500, Deduct</i>	-1.45	
				<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0653	EA			1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.36	
				<i>For >100 To 250, Deduct</i>	-1.16	
				<i>For >250 To 500, Deduct</i>	-1.45	
				<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0654				Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0655				1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0656 EA 1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.87	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.10	
05 05 23 00-0657 EA 1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.88	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.10	
05 05 23 00-0658 EA 1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.89	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.10	
05 05 23 00-0659 EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.02	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.10	
05 05 23 00-0660 EA 1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.19	
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-0.95	
For >500, Deduct	-1.13	
05 05 23 00-0661 EA 1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.27	
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-0.95	
For >500, Deduct	-1.13	
05 05 23 00-0662 EA 1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.30	
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-0.95	
For >500, Deduct	-1.13	
05 05 23 00-0663 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.42	
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-0.97	
For >500, Deduct	-1.17	
05 05 23 00-0664 EA 1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.51	
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-0.97	
For >500, Deduct	-1.17	
05 05 23 00-0665 EA 1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.54	
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-0.97	
For >500, Deduct	-1.17	
05 05 23 00-0666 EA 1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.70	
For >100 To 250, Deduct	-0.80	
For >250 To 500, Deduct	-1.00	
For >500, Deduct	-1.20	
05 05 23 00-0667 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.79	
For >100 To 250, Deduct	-0.80	
For >250 To 500, Deduct	-1.00	
For >500, Deduct	-1.20	
05 05 23 00-0668 EA 1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.81	
For >100 To 250, Deduct	-0.80	
For >250 To 500, Deduct	-1.00	
For >500, Deduct	-1.20	
05 05 23 00-0669 EA 1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.01	
For >100 To 250, Deduct	-0.82	
For >250 To 500, Deduct	-1.03	
For >500, Deduct	-1.23	
05 05 23 00-0670 EA 1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.23	
For >100 To 250, Deduct	-0.82	
For >250 To 500, Deduct	-1.03	
For >500, Deduct	-1.23	
05 05 23 00-0671 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.52	
For >100 To 250, Deduct	-0.82	
For >250 To 500, Deduct	-1.03	
For >500, Deduct	-1.23	
05 05 23 00-0672 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0673 EA 5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.81	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.10	
05 05 23 00-0674 EA 5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.07	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.10	
05 05 23 00-0675 EA 5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.09	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.10	
05 05 23 00-0676 EA 5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.10	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0677 EA 5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.32	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0678 EA 5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.56	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0679 EA 5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.60	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0680 EA 5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.78	
<i>For >100 To 250, Deduct</i>	-0.78	
<i>For >250 To 500, Deduct</i>	-0.97	
<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0681 EA 5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.81	
<i>For >100 To 250, Deduct</i>	-0.78	
<i>For >250 To 500, Deduct</i>	-0.97	
<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0682 EA 5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.00	
<i>For >100 To 250, Deduct</i>	-0.78	
<i>For >250 To 500, Deduct</i>	-0.97	
<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0683 EA 5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.15	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0684 EA 5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.23	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0685 EA 5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.41	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0686 EA 5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.91	
<i>For >100 To 250, Deduct</i>	-0.82	
<i>For >250 To 500, Deduct</i>	-1.03	
<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0687 EA 5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.21	
<i>For >100 To 250, Deduct</i>	-0.82	
<i>For >250 To 500, Deduct</i>	-1.03	
<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0688 EA 5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.49	
<i>For >100 To 250, Deduct</i>	-0.82	
<i>For >250 To 500, Deduct</i>	-1.03	
<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0689 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0684)</small>		
05 05 23 00-0690 EA 3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.89	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0691 EA 3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.95	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0692 EA 3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.01	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0693 EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.17	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0694 EA 3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.34	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0695 EA 3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.47	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0696 EA 3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.56	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0697 EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.80	
<i>For >100 To 250, Deduct</i>	-0.78	
<i>For >250 To 500, Deduct</i>	-0.97	
<i>For >500, Deduct</i>	-1.17	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0698	EA		3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.87	
			<i>For >100 To 250, Deduct</i>	-0.78	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0699	EA		3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.02	
			<i>For >100 To 250, Deduct</i>	-0.78	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0700	EA		3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.19	
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0701	EA		3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.41	
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0702	EA		3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.45	
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0703	EA		3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.58	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0704	EA		3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.60	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0705	EA		3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.86	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0706			7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0707	EA		7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.81	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0708	EA		7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.09	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0709	EA		7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.31	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0710	EA		7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.77	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0711	EA		7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.79	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0712	EA		7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.81	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0713	EA		7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.10	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0714	EA		7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.30	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0715	EA		7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.48	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0716	EA		7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.78	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0717	EA		7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.00	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.36	

05 05 23 00-0718 **1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts** (05 05 23 00-0654)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0719 EA 1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.68	
<i>For >100 To 250, Deduct</i>	-0.84	
<i>For >250 To 500, Deduct</i>	-1.05	
<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0720 EA 1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.77	
<i>For >100 To 250, Deduct</i>	-0.84	
<i>For >250 To 500, Deduct</i>	-1.05	
<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0721 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.96	
<i>For >100 To 250, Deduct</i>	-0.84	
<i>For >250 To 500, Deduct</i>	-1.05	
<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0722 EA 1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.27	
<i>For >100 To 250, Deduct</i>	-0.86	
<i>For >250 To 500, Deduct</i>	-1.08	
<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0723 EA 1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.41	
<i>For >100 To 250, Deduct</i>	-0.86	
<i>For >250 To 500, Deduct</i>	-1.08	
<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0724 EA 1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.67	
<i>For >100 To 250, Deduct</i>	-0.86	
<i>For >250 To 500, Deduct</i>	-1.08	
<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0725 EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.83	
<i>For >100 To 250, Deduct</i>	-0.88	
<i>For >250 To 500, Deduct</i>	-1.11	
<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0726 EA 1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.93	
<i>For >100 To 250, Deduct</i>	-0.88	
<i>For >250 To 500, Deduct</i>	-1.11	
<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0727 EA 1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.14	
<i>For >100 To 250, Deduct</i>	-0.88	
<i>For >250 To 500, Deduct</i>	-1.11	
<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0728 EA 1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.34	
<i>For >100 To 250, Deduct</i>	-0.90	
<i>For >250 To 500, Deduct</i>	-1.13	
<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0729 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.57	
<i>For >100 To 250, Deduct</i>	-0.90	
<i>For >250 To 500, Deduct</i>	-1.13	
<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0730 EA 1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.59	
<i>For >100 To 250, Deduct</i>	-0.90	
<i>For >250 To 500, Deduct</i>	-1.13	
<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0731 EA 1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.75	
<i>For >100 To 250, Deduct</i>	-0.93	
<i>For >250 To 500, Deduct</i>	-1.16	
<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0732 EA 1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.81	
<i>For >100 To 250, Deduct</i>	-0.93	
<i>For >250 To 500, Deduct</i>	-1.16	
<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0733 EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.99	
<i>For >100 To 250, Deduct</i>	-0.93	
<i>For >250 To 500, Deduct</i>	-1.16	
<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0734 EA 1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.93	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0735 EA 1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.07	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0736 EA 1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.10	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0737 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.18	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0738 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts		
<small>(05 05 23 00-0654)</small>		
05 05 23 00-0739 EA 5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.53	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0740 EA 5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.67	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.18	
For >500, Deduct	-1.42	
05 05 23 00-0741 EA 5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.77	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.18	
For >500, Deduct	-1.42	
05 05 23 00-0742 EA 5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.04	
For >100 To 250, Deduct	-0.97	
For >250 To 500, Deduct	-1.21	
For >500, Deduct	-1.45	
05 05 23 00-0743 EA 5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.25	
For >100 To 250, Deduct	-0.97	
For >250 To 500, Deduct	-1.21	
For >500, Deduct	-1.45	
05 05 23 00-0744 EA 5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.72	
For >100 To 250, Deduct	-0.97	
For >250 To 500, Deduct	-1.21	
For >500, Deduct	-1.45	
05 05 23 00-0745 EA 5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.89	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.24	
For >500, Deduct	-1.48	
05 05 23 00-0746 EA 5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.97	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.24	
For >500, Deduct	-1.48	
05 05 23 00-0747 EA 5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.12	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.24	
For >500, Deduct	-1.48	
05 05 23 00-0748 EA 5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.40	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.26	
For >500, Deduct	-1.51	
05 05 23 00-0749 EA 5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.57	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.26	
For >500, Deduct	-1.51	
05 05 23 00-0750 EA 5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.05	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.26	
For >500, Deduct	-1.51	
05 05 23 00-0751 EA 5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.19	
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-1.29	
For >500, Deduct	-1.55	
05 05 23 00-0752 EA 5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.03	
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-1.29	
For >500, Deduct	-1.55	
05 05 23 00-0753 EA 5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.27	
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-1.29	
For >500, Deduct	-1.55	
05 05 23 00-0754 EA 5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.73	
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.31	
For >500, Deduct	-1.58	
05 05 23 00-0755 EA 5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.13	
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.31	
For >500, Deduct	-1.58	
05 05 23 00-0756 EA 5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.03	
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.31	
For >500, Deduct	-1.58	
05 05 23 00-0757 EA 5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.10	
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.31	
For >500, Deduct	-1.58	

05 05 23 00-0758 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)

05 05 23 00-0759 EA 3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.21	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.18	
For >500, Deduct	-1.42	
05 05 23 00-0760 EA 3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.25	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.18	
For >500, Deduct	-1.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0761 EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.42	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0762 EA 3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.92	
<i>For >100 To 250, Deduct</i>	-0.97	
<i>For >250 To 500, Deduct</i>	-1.21	
<i>For >500, Deduct</i>	-1.45	
05 05 23 00-0763 EA 3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.57	
<i>For >100 To 250, Deduct</i>	-0.97	
<i>For >250 To 500, Deduct</i>	-1.21	
<i>For >500, Deduct</i>	-1.45	
05 05 23 00-0764 EA 3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.99	
<i>For >100 To 250, Deduct</i>	-0.97	
<i>For >250 To 500, Deduct</i>	-1.21	
<i>For >500, Deduct</i>	-1.45	
05 05 23 00-0765 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.32	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.24	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0766 EA 3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.35	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.24	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0767 EA 3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.44	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.24	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0768 EA 3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.60	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0769 EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.16	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0770 EA 3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.39	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0771 EA 3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.95	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0772 EA 3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.03	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0773 EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.25	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0774 EA 3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.69	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0775 EA 3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.93	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0776 EA 3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.06	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0777 EA 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.13	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0778 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0779 EA 7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.09	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0780 EA 7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.36	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0781 EA 7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.63	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0782	EA		7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.03	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0783	EA		7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.25	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0784	EA		7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.61	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0785	EA		7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.91	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0786	EA		7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.28	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0787	EA		7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.66	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0788	EA		7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.95	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0789	EA		7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.26	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0790	EA		7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.69	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0791	EA		7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.23	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0792	EA		7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.36	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0793	EA		7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.60	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0794	EA		7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.90	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0795	EA		7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.28	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0796	EA		7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.63	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0797			1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0798	EA		1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.97	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0799	EA		1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.18	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0800	EA		1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.68	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0801	EA		1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.08	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0802	EA		1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.09	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.64	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0803	EA 1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.29		
	For >100 To 250, Deduct		-1.09	
	For >250 To 500, Deduct		-1.37	
	For >500, Deduct		-1.64	
05 05 23 00-0804	EA 1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.87		
	For >100 To 250, Deduct		-1.09	
	For >250 To 500, Deduct		-1.37	
	For >500, Deduct		-1.64	
05 05 23 00-0805	EA 1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.04		
	For >100 To 250, Deduct		-1.12	
	For >250 To 500, Deduct		-1.40	
	For >500, Deduct		-1.67	
05 05 23 00-0806	EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.26		
	For >100 To 250, Deduct		-1.12	
	For >250 To 500, Deduct		-1.40	
	For >500, Deduct		-1.67	
05 05 23 00-0807	EA 1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.25		
	For >100 To 250, Deduct		-1.12	
	For >250 To 500, Deduct		-1.40	
	For >500, Deduct		-1.67	
05 05 23 00-0808	EA 1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.72		
	For >100 To 250, Deduct		-1.14	
	For >250 To 500, Deduct		-1.42	
	For >500, Deduct		-1.70	
05 05 23 00-0809	EA 1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.56		
	For >100 To 250, Deduct		-1.14	
	For >250 To 500, Deduct		-1.42	
	For >500, Deduct		-1.70	
05 05 23 00-0810	EA 1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.38		
	For >100 To 250, Deduct		-1.14	
	For >250 To 500, Deduct		-1.42	
	For >500, Deduct		-1.70	
05 05 23 00-0811	EA 1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.73		
	For >100 To 250, Deduct		-1.16	
	For >250 To 500, Deduct		-1.45	
	For >500, Deduct		-1.73	
05 05 23 00-0812	EA 1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.40		
	For >100 To 250, Deduct		-1.16	
	For >250 To 500, Deduct		-1.45	
	For >500, Deduct		-1.73	
05 05 23 00-0813	EA 1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.90		
	For >100 To 250, Deduct		-1.16	
	For >250 To 500, Deduct		-1.45	
	For >500, Deduct		-1.73	
05 05 23 00-0814	EA 1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.66		
	For >100 To 250, Deduct		-1.16	
	For >250 To 500, Deduct		-1.45	
	For >500, Deduct		-1.73	
05 05 23 00-0815	304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0097)</small>			
05 05 23 00-0816	1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>			
05 05 23 00-0817	EA 1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	3.83		
	For >100 To 250, Deduct		-0.74	
	For >250 To 500, Deduct		-0.92	
	For >500, Deduct		-1.10	
05 05 23 00-0818	EA 1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	3.89		
	For >100 To 250, Deduct		-0.74	
	For >250 To 500, Deduct		-0.92	
	For >500, Deduct		-1.10	
05 05 23 00-0819	EA 1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	3.96		
	For >100 To 250, Deduct		-0.74	
	For >250 To 500, Deduct		-0.92	
	For >500, Deduct		-1.10	
05 05 23 00-0820	EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	4.04		
	For >100 To 250, Deduct		-0.74	
	For >250 To 500, Deduct		-0.92	
	For >500, Deduct		-1.10	
05 05 23 00-0821	EA 1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	4.21		
	For >100 To 250, Deduct		-0.76	
	For >250 To 500, Deduct		-0.95	
	For >500, Deduct		-1.13	
05 05 23 00-0822	EA 1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	4.33		
	For >100 To 250, Deduct		-0.76	
	For >250 To 500, Deduct		-0.95	
	For >500, Deduct		-1.13	
05 05 23 00-0823	EA 1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	4.47		
	For >100 To 250, Deduct		-0.76	
	For >250 To 500, Deduct		-0.95	
	For >500, Deduct		-1.13	
05 05 23 00-0824	EA 1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	4.68		
	For >100 To 250, Deduct		-0.78	
	For >250 To 500, Deduct		-0.97	
	For >500, Deduct		-1.17	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0825	EA		1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.85	
			<i>For >100 To 250, Deduct</i>	-0.78	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0826	EA		1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.00	
			<i>For >100 To 250, Deduct</i>	-0.78	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0827	EA		1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.23	
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0828	EA		1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.49	
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0829	EA		1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.55	
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0830	EA		1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.17	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0831	EA		1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.31	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0832	EA		1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.65	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0833			5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0834	EA		5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	3.93	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-0.92	
			<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0835	EA		5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	3.99	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-0.92	
			<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0836	EA		5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.10	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-0.92	
			<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0837	EA		5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.19	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-0.92	
			<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0838	EA		5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.45	
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0839	EA		5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.50	
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0840	EA		5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.79	
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0841	EA		5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.10	
			<i>For >100 To 250, Deduct</i>	-0.78	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0842	EA		5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.42	
			<i>For >100 To 250, Deduct</i>	-0.78	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0843	EA		5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.58	
			<i>For >100 To 250, Deduct</i>	-0.78	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0844	EA		5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.17	
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0845	EA		5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.97	
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500, Deduct</i>	-1.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0846 EA 5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.79	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0847 EA 5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.86	
<i>For >100 To 250, Deduct</i>	-0.82	
<i>For >250 To 500, Deduct</i>	-1.03	
<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0848 3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0849 EA 3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.07	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0850 EA 3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.14	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0851 EA 3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.31	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0852 EA 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.53	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0853 EA 3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.74	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0854 EA 3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.92	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0855 EA 3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.15	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0856 EA 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.47	
<i>For >100 To 250, Deduct</i>	-0.78	
<i>For >250 To 500, Deduct</i>	-0.97	
<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0857 EA 3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.74	
<i>For >100 To 250, Deduct</i>	-0.78	
<i>For >250 To 500, Deduct</i>	-0.97	
<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0858 EA 3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.34	
<i>For >100 To 250, Deduct</i>	-0.78	
<i>For >250 To 500, Deduct</i>	-0.97	
<i>For >500, Deduct</i>	-1.17	
05 05 23 00-0859 EA 3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.51	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0860 EA 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.01	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0861 EA 3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.06	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	
05 05 23 00-0862 EA 3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.43	
<i>For >100 To 250, Deduct</i>	-0.82	
<i>For >250 To 500, Deduct</i>	-1.03	
<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0863 EA 3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.58	
<i>For >100 To 250, Deduct</i>	-0.82	
<i>For >250 To 500, Deduct</i>	-1.03	
<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0864 EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.64	
<i>For >100 To 250, Deduct</i>	-0.82	
<i>For >250 To 500, Deduct</i>	-1.03	
<i>For >500, Deduct</i>	-1.23	
05 05 23 00-0865 7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0866 EA 7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.16	
<i>For >100 To 250, Deduct</i>	-0.84	
<i>For >250 To 500, Deduct</i>	-1.05	
<i>For >500, Deduct</i>	-1.26	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0867	EA		7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.23	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0868	EA		7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.51	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0869	EA		7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.78	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0870	EA		7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.12	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0871	EA		7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.68	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0872	EA		7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.04	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0873	EA		7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.70	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0874	EA		7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.99	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0875	EA		7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.98	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0876	EA		7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.98	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0877	EA		7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.12	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0878	EA		7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.35	
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500, Deduct</i>	-1.39	
05 05 23 00-0879			1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>	5.15	
05 05 23 00-0880	EA		1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.15	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0881	EA		1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.23	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0882	EA		1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.67	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.26	
05 05 23 00-0883	EA		1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.95	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0884	EA		1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.35	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0885	EA		1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.57	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-0886	EA		1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.94	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	
05 05 23 00-0887	EA		1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.13	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0888	EA			1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt 8.18 <i>For >100 To 250, Deduct</i> -0.88 <i>For >250 To 500, Deduct</i> -1.11 <i>For >500, Deduct</i> -1.33		
05 05 23 00-0889	EA			1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 8.57 <i>For >100 To 250, Deduct</i> -0.90 <i>For >250 To 500, Deduct</i> -1.13 <i>For >500, Deduct</i> -1.36		
05 05 23 00-0890	EA			1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt 9.04 <i>For >100 To 250, Deduct</i> -0.90 <i>For >250 To 500, Deduct</i> -1.13 <i>For >500, Deduct</i> -1.36		
05 05 23 00-0891	EA			1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 9.58 <i>For >100 To 250, Deduct</i> -0.90 <i>For >250 To 500, Deduct</i> -1.13 <i>For >500, Deduct</i> -1.36		
05 05 23 00-0892	EA			1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt 10.48 <i>For >100 To 250, Deduct</i> -0.93 <i>For >250 To 500, Deduct</i> -1.16 <i>For >500, Deduct</i> -1.39		
05 05 23 00-0893	EA			1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 10.80 <i>For >100 To 250, Deduct</i> -0.93 <i>For >250 To 500, Deduct</i> -1.16 <i>For >500, Deduct</i> -1.39		
05 05 23 00-0894	EA			1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt 11.30 <i>For >100 To 250, Deduct</i> -0.93 <i>For >250 To 500, Deduct</i> -1.16 <i>For >500, Deduct</i> -1.39		
05 05 23 00-0895	EA			1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 13.87 <i>For >100 To 250, Deduct</i> -0.95 <i>For >250 To 500, Deduct</i> -1.18 <i>For >500, Deduct</i> -1.42		
05 05 23 00-0896	EA			1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt 14.07 <i>For >100 To 250, Deduct</i> -0.95 <i>For >250 To 500, Deduct</i> -1.18 <i>For >500, Deduct</i> -1.42		
05 05 23 00-0897	EA			1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 15.46 <i>For >100 To 250, Deduct</i> -0.95 <i>For >250 To 500, Deduct</i> -1.18 <i>For >500, Deduct</i> -1.42		
05 05 23 00-0898	EA			1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt 16.84 <i>For >100 To 250, Deduct</i> -0.95 <i>For >250 To 500, Deduct</i> -1.18 <i>For >500, Deduct</i> -1.42		
05 05 23 00-0899				9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0900	EA			9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt 7.46 <i>For >100 To 250, Deduct</i> -0.84 <i>For >250 To 500, Deduct</i> -1.05 <i>For >500, Deduct</i> -1.26		
05 05 23 00-0901	EA			9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 8.37 <i>For >100 To 250, Deduct</i> -0.84 <i>For >250 To 500, Deduct</i> -1.05 <i>For >500, Deduct</i> -1.26		
05 05 23 00-0902	EA			9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 9.97 <i>For >100 To 250, Deduct</i> -0.84 <i>For >250 To 500, Deduct</i> -1.05 <i>For >500, Deduct</i> -1.26		
05 05 23 00-0903	EA			9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 10.39 <i>For >100 To 250, Deduct</i> -0.86 <i>For >250 To 500, Deduct</i> -1.08 <i>For >500, Deduct</i> -1.29		
05 05 23 00-0904	EA			9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt 10.96 <i>For >100 To 250, Deduct</i> -0.86 <i>For >250 To 500, Deduct</i> -1.08 <i>For >500, Deduct</i> -1.29		
05 05 23 00-0905	EA			9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 11.95 <i>For >100 To 250, Deduct</i> -0.86 <i>For >250 To 500, Deduct</i> -1.08 <i>For >500, Deduct</i> -1.29		
05 05 23 00-0906	EA			9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt 13.52 <i>For >100 To 250, Deduct</i> -0.88 <i>For >250 To 500, Deduct</i> -1.11 <i>For >500, Deduct</i> -1.33		
05 05 23 00-0907	EA			9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 13.74 <i>For >100 To 250, Deduct</i> -0.88 <i>For >250 To 500, Deduct</i> -1.11 <i>For >500, Deduct</i> -1.33		
05 05 23 00-0908	EA			9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt 15.84 <i>For >100 To 250, Deduct</i> -0.88 <i>For >250 To 500, Deduct</i> -1.11 <i>For >500, Deduct</i> -1.33		

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0909	EA		9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.92	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0910	EA		9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.04	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.36	
05 05 23 00-0911			5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0915)</small>		
05 05 23 00-0912	EA		5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.45	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0913	EA		5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.66	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0914	EA		5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.53	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0915	EA		5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.78	
			<i>For >100 To 250, Deduct</i>	-0.97	
			<i>For >250 To 500, Deduct</i>	-1.21	
			<i>For >500, Deduct</i>	-1.45	
05 05 23 00-0916	EA		5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.20	
			<i>For >100 To 250, Deduct</i>	-0.97	
			<i>For >250 To 500, Deduct</i>	-1.21	
			<i>For >500, Deduct</i>	-1.45	
05 05 23 00-0917	EA		5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.79	
			<i>For >100 To 250, Deduct</i>	-0.97	
			<i>For >250 To 500, Deduct</i>	-1.21	
			<i>For >500, Deduct</i>	-1.45	
05 05 23 00-0918	EA		5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.64	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.24	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0919	EA		5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.64	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.24	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0920	EA		5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.31	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.24	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0921	EA		5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.78	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0922	EA		5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.38	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0923	EA		5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.58	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0924	EA		5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.89	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0925	EA		5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.88	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0926	EA		5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.33	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0927	EA		5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.26	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0928	EA		5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.84	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0929	EA		5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.45	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0930 EA 5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.52	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0931 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>	7.40	
05 05 23 00-0932 EA 3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.40	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0933 EA 3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.81	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0934 EA 3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.35	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-0935 EA 3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.04	
<i>For >100 To 250, Deduct</i>	-0.97	
<i>For >250 To 500, Deduct</i>	-1.21	
<i>For >500, Deduct</i>	-1.45	
05 05 23 00-0936 EA 3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.63	
<i>For >100 To 250, Deduct</i>	-0.97	
<i>For >250 To 500, Deduct</i>	-1.21	
<i>For >500, Deduct</i>	-1.45	
05 05 23 00-0937 EA 3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.63	
<i>For >100 To 250, Deduct</i>	-0.97	
<i>For >250 To 500, Deduct</i>	-1.21	
<i>For >500, Deduct</i>	-1.45	
05 05 23 00-0938 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.32	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.24	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0939 EA 3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.25	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.24	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0940 EA 3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.00	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.24	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0941 EA 3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.86	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0942 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.73	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0943 EA 3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.35	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-0944 EA 3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.77	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0945 EA 3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.15	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0946 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.09	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-0947 EA 3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.33	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0948 EA 3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.79	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0949 EA 3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.05	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0950 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.02	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.58	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0951	7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0952	EA 7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 10.48 <i>For >100 To 250, Deduct</i> -1.05 <i>For >250 To 500, Deduct</i> -1.31 <i>For >500, Deduct</i> -1.58		
05 05 23 00-0953	EA 7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 11.50 <i>For >100 To 250, Deduct</i> -1.05 <i>For >250 To 500, Deduct</i> -1.31 <i>For >500, Deduct</i> -1.58		
05 05 23 00-0954	EA 7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 12.39 <i>For >100 To 250, Deduct</i> -1.07 <i>For >250 To 500, Deduct</i> -1.34 <i>For >500, Deduct</i> -1.61		
05 05 23 00-0955	EA 7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt 13.43 <i>For >100 To 250, Deduct</i> -1.07 <i>For >250 To 500, Deduct</i> -1.34 <i>For >500, Deduct</i> -1.61		
05 05 23 00-0956	EA 7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 13.76 <i>For >100 To 250, Deduct</i> -1.07 <i>For >250 To 500, Deduct</i> -1.34 <i>For >500, Deduct</i> -1.61		
05 05 23 00-0957	EA 7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt 14.71 <i>For >100 To 250, Deduct</i> -1.09 <i>For >250 To 500, Deduct</i> -1.37 <i>For >500, Deduct</i> -1.64		
05 05 23 00-0958	EA 7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 15.04 <i>For >100 To 250, Deduct</i> -1.09 <i>For >250 To 500, Deduct</i> -1.37 <i>For >500, Deduct</i> -1.64		
05 05 23 00-0959	EA 7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt 17.29 <i>For >100 To 250, Deduct</i> -1.09 <i>For >250 To 500, Deduct</i> -1.37 <i>For >500, Deduct</i> -1.64		
05 05 23 00-0960	EA 7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 17.73 <i>For >100 To 250, Deduct</i> -1.12 <i>For >250 To 500, Deduct</i> -1.40 <i>For >500, Deduct</i> -1.67		
05 05 23 00-0961	EA 7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt 18.60 <i>For >100 To 250, Deduct</i> -1.12 <i>For >250 To 500, Deduct</i> -1.40 <i>For >500, Deduct</i> -1.67		
05 05 23 00-0962	EA 7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 23.35 <i>For >100 To 250, Deduct</i> -1.12 <i>For >250 To 500, Deduct</i> -1.40 <i>For >500, Deduct</i> -1.67		
05 05 23 00-0963	EA 7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt 25.28 <i>For >100 To 250, Deduct</i> -1.14 <i>For >250 To 500, Deduct</i> -1.42 <i>For >500, Deduct</i> -1.70		
05 05 23 00-0964	EA 7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 27.41 <i>For >100 To 250, Deduct</i> -1.14 <i>For >250 To 500, Deduct</i> -1.42 <i>For >500, Deduct</i> -1.70		
05 05 23 00-0965	EA 7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt 29.13 <i>For >100 To 250, Deduct</i> -1.14 <i>For >250 To 500, Deduct</i> -1.42 <i>For >500, Deduct</i> -1.70		
05 05 23 00-0966	EA 7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 34.46 <i>For >100 To 250, Deduct</i> -1.16 <i>For >250 To 500, Deduct</i> -1.45 <i>For >500, Deduct</i> -1.73		
05 05 23 00-0967	EA 7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt 38.64 <i>For >100 To 250, Deduct</i> -1.16 <i>For >250 To 500, Deduct</i> -1.45 <i>For >500, Deduct</i> -1.73		
05 05 23 00-0968	EA 7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 40.58 <i>For >100 To 250, Deduct</i> -1.16 <i>For >250 To 500, Deduct</i> -1.45 <i>For >500, Deduct</i> -1.73		
05 05 23 00-0969	EA 7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt 42.51 <i>For >100 To 250, Deduct</i> -1.16 <i>For >250 To 500, Deduct</i> -1.45 <i>For >500, Deduct</i> -1.73		
05 05 23 00-0970	1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0971	EA 1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 12.95 <i>For >100 To 250, Deduct</i> -1.05 <i>For >250 To 500, Deduct</i> -1.31 <i>For >500, Deduct</i> -1.58		
05 05 23 00-0972	EA 1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt 13.69 <i>For >100 To 250, Deduct</i> -1.05 <i>For >250 To 500, Deduct</i> -1.31 <i>For >500, Deduct</i> -1.58		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0973 EA 1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	14.91	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0974 EA 1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	15.85	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0975 EA 1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	17.39	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0976 EA 1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	19.21	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0977 EA 1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	20.29	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0978 EA 1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	21.87	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-0979 EA 1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	23.47	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0980 EA 1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	23.55	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0981 EA 1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	27.80	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0982 EA 1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	33.28	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0983 EA 1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	34.08	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0984 EA 1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	34.88	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0985 EA 1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	36.58	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0986 EA 1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	39.03	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0987 EA 1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	50.18	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0988 EA 1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	63.16	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0989 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0997)		
05 05 23 00-0990 1/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-0991 EA 1/4" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	3.94	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0992 EA 1/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	4.06	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0993 EA 1/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	4.14	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-0994 EA 1/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	4.20	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0995 EA 1/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	4.47	
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-0.95	
For >500, Deduct	-1.13	
05 05 23 00-0996 EA 1/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	4.62	
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-0.95	
For >500, Deduct	-1.13	
05 05 23 00-0997 EA 1/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	4.77	
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-0.95	
For >500, Deduct	-1.13	
05 05 23 00-0998 EA 1/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	5.00	
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-0.97	
For >500, Deduct	-1.17	
05 05 23 00-0999 EA 1/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.13	
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-0.97	
For >500, Deduct	-1.17	
05 05 23 00-1000 EA 1/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	5.19	
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-0.97	
For >500, Deduct	-1.17	
05 05 23 00-1001 EA 1/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.68	
For >100 To 250, Deduct	-0.80	
For >250 To 500, Deduct	-1.00	
For >500, Deduct	-1.20	
05 05 23 00-1002 EA 1/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	5.78	
For >100 To 250, Deduct	-0.80	
For >250 To 500, Deduct	-1.00	
For >500, Deduct	-1.20	
05 05 23 00-1003 EA 1/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.69	
For >100 To 250, Deduct	-0.80	
For >250 To 500, Deduct	-1.00	
For >500, Deduct	-1.20	
05 05 23 00-1004 EA 1/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	14.53	
For >100 To 250, Deduct	-0.82	
For >250 To 500, Deduct	-1.03	
For >500, Deduct	-1.23	
05 05 23 00-1005 EA 1/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.95	
For >100 To 250, Deduct	-0.82	
For >250 To 500, Deduct	-1.03	
For >500, Deduct	-1.23	
05 05 23 00-1006 EA 1/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	27.32	
For >100 To 250, Deduct	-0.82	
For >250 To 500, Deduct	-1.03	
For >500, Deduct	-1.23	
05 05 23 00-1007 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0988)	4.10	
05 05 23 00-1008 EA 5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	4.10	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.10	
05 05 23 00-1009 EA 5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	4.23	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.10	
05 05 23 00-1010 EA 5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	4.45	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.10	
05 05 23 00-1011 EA 5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	4.62	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.10	
05 05 23 00-1012 EA 5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	4.80	
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-0.95	
For >500, Deduct	-1.13	
05 05 23 00-1013 EA 5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	5.14	
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-0.95	
For >500, Deduct	-1.13	
05 05 23 00-1014 EA 5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.38	
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-0.95	
For >500, Deduct	-1.13	
05 05 23 00-1015 EA 5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	5.59	
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-0.97	
For >500, Deduct	-1.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1016 EA 5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.11	
<i>For >100 To 250, Deduct</i>	-0.78	
<i>For >250 To 500, Deduct</i>	-0.97	
<i>For >500, Deduct</i>	-1.17	
05 05 23 00-1017 EA 5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	6.21	
<i>For >100 To 250, Deduct</i>	-0.78	
<i>For >250 To 500, Deduct</i>	-0.97	
<i>For >500, Deduct</i>	-1.17	
05 05 23 00-1018 EA 5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.67	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	
05 05 23 00-1019 EA 5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	7.07	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	
05 05 23 00-1020 EA 5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.39	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	
05 05 23 00-1021 EA 5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	15.23	
<i>For >100 To 250, Deduct</i>	-0.82	
<i>For >250 To 500, Deduct</i>	-1.03	
<i>For >500, Deduct</i>	-1.23	
05 05 23 00-1022 3/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1023 EA 3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	4.45	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-1024 EA 3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	4.50	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-1025 EA 3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	4.71	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-1026 EA 3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	5.21	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.10	
05 05 23 00-1027 EA 3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.48	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.13	
05 05 23 00-1028 EA 3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	5.57	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.13	
05 05 23 00-1029 EA 3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.00	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.13	
05 05 23 00-1030 EA 3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	6.18	
<i>For >100 To 250, Deduct</i>	-0.78	
<i>For >250 To 500, Deduct</i>	-0.97	
<i>For >500, Deduct</i>	-1.17	
05 05 23 00-1031 EA 3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.45	
<i>For >100 To 250, Deduct</i>	-0.78	
<i>For >250 To 500, Deduct</i>	-0.97	
<i>For >500, Deduct</i>	-1.17	
05 05 23 00-1032 EA 3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	6.63	
<i>For >100 To 250, Deduct</i>	-0.78	
<i>For >250 To 500, Deduct</i>	-0.97	
<i>For >500, Deduct</i>	-1.17	
05 05 23 00-1033 EA 3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.33	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	
05 05 23 00-1034 EA 3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	8.06	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	
05 05 23 00-1035 EA 3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.09	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.20	
05 05 23 00-1036 EA 3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	10.06	
<i>For >100 To 250, Deduct</i>	-0.82	
<i>For >250 To 500, Deduct</i>	-1.03	
<i>For >500, Deduct</i>	-1.23	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1037	EA		3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.07	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500, Deduct</i>	-1.23	
05 05 23 00-1038	EA		3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	16.32	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500, Deduct</i>	-1.23	
05 05 23 00-1039			7/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0988)		
05 05 23 00-1040	EA		7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	5.81	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.26	
05 05 23 00-1041	EA		7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.12	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.26	
05 05 23 00-1042	EA		7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	6.71	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.26	
05 05 23 00-1043	EA		7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.31	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-1044	EA		7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	7.87	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-1045	EA		7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.79	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	
05 05 23 00-1046	EA		7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	9.78	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	
05 05 23 00-1047	EA		7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.94	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	
05 05 23 00-1048	EA		7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	10.28	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.33	
05 05 23 00-1049	EA		7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.60	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.36	
05 05 23 00-1050	EA		7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	10.84	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.36	
05 05 23 00-1051	EA		7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.08	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.36	
05 05 23 00-1052	EA		7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	11.38	
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500, Deduct</i>	-1.39	
05 05 23 00-1053			1/2" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1054	EA		1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	5.79	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.26	
05 05 23 00-1055	EA		1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.13	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.26	
05 05 23 00-1056	EA		1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	6.60	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.26	
05 05 23 00-1057	EA		1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.26	
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1058 EA 1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt 7.78 <i>For >100 To 250, Deduct</i> -0.86 <i>For >250 To 500, Deduct</i> -1.08 <i>For >500, Deduct</i> -1.29		
05 05 23 00-1059 EA 1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt 7.91 <i>For >100 To 250, Deduct</i> -0.86 <i>For >250 To 500, Deduct</i> -1.08 <i>For >500, Deduct</i> -1.29		
05 05 23 00-1060 EA 1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt 8.24 <i>For >100 To 250, Deduct</i> -0.88 <i>For >250 To 500, Deduct</i> -1.11 <i>For >500, Deduct</i> -1.33		
05 05 23 00-1061 EA 1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt 9.24 <i>For >100 To 250, Deduct</i> -0.88 <i>For >250 To 500, Deduct</i> -1.11 <i>For >500, Deduct</i> -1.33		
05 05 23 00-1062 EA 1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt 11.27 <i>For >100 To 250, Deduct</i> -0.88 <i>For >250 To 500, Deduct</i> -1.11 <i>For >500, Deduct</i> -1.33		
05 05 23 00-1063 EA 1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt 11.52 <i>For >100 To 250, Deduct</i> -0.90 <i>For >250 To 500, Deduct</i> -1.13 <i>For >500, Deduct</i> -1.36		
05 05 23 00-1064 EA 1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt 11.84 <i>For >100 To 250, Deduct</i> -0.90 <i>For >250 To 500, Deduct</i> -1.13 <i>For >500, Deduct</i> -1.36		
05 05 23 00-1065 EA 1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt 14.35 <i>For >100 To 250, Deduct</i> -0.90 <i>For >250 To 500, Deduct</i> -1.13 <i>For >500, Deduct</i> -1.36		
05 05 23 00-1066 EA 1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt 16.14 <i>For >100 To 250, Deduct</i> -0.93 <i>For >250 To 500, Deduct</i> -1.16 <i>For >500, Deduct</i> -1.39		
05 05 23 00-1067 EA 1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt 17.23 <i>For >100 To 250, Deduct</i> -0.93 <i>For >250 To 500, Deduct</i> -1.16 <i>For >500, Deduct</i> -1.39		
05 05 23 00-1068 EA 1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt 19.03 <i>For >100 To 250, Deduct</i> -0.93 <i>For >250 To 500, Deduct</i> -1.16 <i>For >500, Deduct</i> -1.39		
05 05 23 00-1069 EA 1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt 23.89 <i>For >100 To 250, Deduct</i> -0.95 <i>For >250 To 500, Deduct</i> -1.18 <i>For >500, Deduct</i> -1.42		
05 05 23 00-1070 EA 1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt 26.96 <i>For >100 To 250, Deduct</i> -0.95 <i>For >250 To 500, Deduct</i> -1.18 <i>For >500, Deduct</i> -1.42		
05 05 23 00-1071 EA 1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt 27.46 <i>For >100 To 250, Deduct</i> -0.95 <i>For >250 To 500, Deduct</i> -1.18 <i>For >500, Deduct</i> -1.42		
05 05 23 00-1072 EA 1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt 28.25 <i>For >100 To 250, Deduct</i> -0.95 <i>For >250 To 500, Deduct</i> -1.18 <i>For >500, Deduct</i> -1.42		
05 05 23 00-1073 9/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989) 14.21		
05 05 23 00-1074 EA 9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt 14.21 <i>For >100 To 250, Deduct</i> -0.84 <i>For >250 To 500, Deduct</i> -1.05 <i>For >500, Deduct</i> -1.26		
05 05 23 00-1075 EA 9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt 15.31 <i>For >100 To 250, Deduct</i> -0.84 <i>For >250 To 500, Deduct</i> -1.05 <i>For >500, Deduct</i> -1.26		
05 05 23 00-1076 EA 9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt 19.01 <i>For >100 To 250, Deduct</i> -0.84 <i>For >250 To 500, Deduct</i> -1.05 <i>For >500, Deduct</i> -1.26		
05 05 23 00-1077 EA 9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt 21.18 <i>For >100 To 250, Deduct</i> -0.86 <i>For >250 To 500, Deduct</i> -1.08 <i>For >500, Deduct</i> -1.29		
05 05 23 00-1078 EA 9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt 23.36 <i>For >100 To 250, Deduct</i> -0.86 <i>For >250 To 500, Deduct</i> -1.08 <i>For >500, Deduct</i> -1.29		

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1079 EA 9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.55	
For >100 To 250, Deduct	-0.86	
For >250 To 500, Deduct	-1.08	
For >500, Deduct	-1.29	
05 05 23 00-1080 EA 9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	27.02	
For >100 To 250, Deduct	-0.88	
For >250 To 500, Deduct	-1.11	
For >500, Deduct	-1.33	
05 05 23 00-1081 EA 9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.82	
For >100 To 250, Deduct	-0.88	
For >250 To 500, Deduct	-1.11	
For >500, Deduct	-1.33	
05 05 23 00-1082 EA 9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	30.42	
For >100 To 250, Deduct	-0.88	
For >250 To 500, Deduct	-1.11	
For >500, Deduct	-1.33	
05 05 23 00-1083 EA 9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.00	
For >100 To 250, Deduct	-0.90	
For >250 To 500, Deduct	-1.13	
For >500, Deduct	-1.36	
05 05 23 00-1084 EA 9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	32.41	
For >100 To 250, Deduct	-0.90	
For >250 To 500, Deduct	-1.13	
For >500, Deduct	-1.36	
05 05 23 00-1085 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1086 EA 5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	8.03	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.18	
For >500, Deduct	-1.42	
05 05 23 00-1087 EA 5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.12	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.18	
For >500, Deduct	-1.42	
05 05 23 00-1088 EA 5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	8.15	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.18	
For >500, Deduct	-1.42	
05 05 23 00-1089 EA 5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.90	
For >100 To 250, Deduct	-0.97	
For >250 To 500, Deduct	-1.21	
For >500, Deduct	-1.45	
05 05 23 00-1090 EA 5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	9.54	
For >100 To 250, Deduct	-0.97	
For >250 To 500, Deduct	-1.21	
For >500, Deduct	-1.45	
05 05 23 00-1091 EA 5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.60	
For >100 To 250, Deduct	-0.97	
For >250 To 500, Deduct	-1.21	
For >500, Deduct	-1.45	
05 05 23 00-1092 EA 5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	12.13	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.24	
For >500, Deduct	-1.48	
05 05 23 00-1093 EA 5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.93	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.24	
For >500, Deduct	-1.48	
05 05 23 00-1094 EA 5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	14.56	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.24	
For >500, Deduct	-1.48	
05 05 23 00-1095 EA 5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.84	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.26	
For >500, Deduct	-1.51	
05 05 23 00-1096 EA 5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	16.35	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.26	
For >500, Deduct	-1.51	
05 05 23 00-1097 EA 5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.50	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.26	
For >500, Deduct	-1.51	
05 05 23 00-1098 EA 5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	20.75	
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-1.29	
For >500, Deduct	-1.55	
05 05 23 00-1099 EA 5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.15	
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-1.29	
For >500, Deduct	-1.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1100 EA 5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	22.62	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-1101 EA 5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.05	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-1102 EA 5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	25.30	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-1103 EA 5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.25	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-1104 EA 5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	37.61	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-1105 3/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1106 EA 3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	10.53	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-1107 EA 3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.75	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-1108 EA 3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	11.61	
<i>For >100 To 250, Deduct</i>	-0.95	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.42	
05 05 23 00-1109 EA 3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.47	
<i>For >100 To 250, Deduct</i>	-0.97	
<i>For >250 To 500, Deduct</i>	-1.21	
<i>For >500, Deduct</i>	-1.45	
05 05 23 00-1110 EA 3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	14.07	
<i>For >100 To 250, Deduct</i>	-0.97	
<i>For >250 To 500, Deduct</i>	-1.21	
<i>For >500, Deduct</i>	-1.45	
05 05 23 00-1111 EA 3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.00	
<i>For >100 To 250, Deduct</i>	-0.97	
<i>For >250 To 500, Deduct</i>	-1.21	
<i>For >500, Deduct</i>	-1.45	
05 05 23 00-1112 EA 3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	17.08	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.24	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-1113 EA 3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.89	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.24	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-1114 EA 3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	18.34	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.24	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-1115 EA 3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.04	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-1116 EA 3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	20.06	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-1117 EA 3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.21	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.51	
05 05 23 00-1118 EA 3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	27.88	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-1119 EA 3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.44	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	
05 05 23 00-1120 EA 3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	31.97	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.55	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1121	EA		3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.21	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-1122	EA		3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	39.59	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-1123	EA		3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	40.05	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-1124	EA		3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	41.18	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-1125			7/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1126	EA		7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.87	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-1127	EA		7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	13.35	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-1128	EA		7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.27	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-1129	EA		7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	16.35	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-1130	EA		7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.27	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-1131	EA		7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	18.19	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-1132	EA		7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.45	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-1133	EA		7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	22.27	
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.64	
05 05 23 00-1134	EA		7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.45	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-1135	EA		7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	23.39	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-1136	EA		7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.29	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-1137	EA		7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	34.88	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-1138	EA		7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.63	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-1139	EA		7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	40.48	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-1140	EA		7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	42.98	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-1141	EA		7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	44.59	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1142 EA 7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	46.18	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-1143 EA 7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	47.97	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-1144 1" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1145 EA 1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	15.12	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-1146 EA 1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.52	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-1147 EA 1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	19.05	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-1148 EA 1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.49	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-1149 EA 1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	22.46	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-1150 EA 1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.12	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-1151 EA 1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	25.79	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.64	
05 05 23 00-1152 EA 1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.58	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-1153 EA 1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	31.90	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-1154 EA 1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	36.15	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-1155 EA 1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	42.08	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-1156 EA 1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	46.97	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-1157 EA 1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	47.68	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-1158 EA 1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	49.38	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-1159 EA 1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	50.05	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-1160 EA 1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	58.18	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-1161 EA 1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	66.02	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	

05 05 23 00-1162
05 05 23 00-1163

Screws (05 05 23)
Teks® 5 Self Drilling Screws (05 05 23 00-1162)
Note: Screws include Climaseal® finish, self-drill point and tapping threads.

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1164	EA	12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw.....	2.02	
		<i>For >10 To 50, Deduct</i>	-0.09	
		<i>For >50 To 100, Deduct</i>	-0.18	
		<i>For >100, Deduct</i>	-0.37	
05 05 23 00-1165	EA	12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw.....	2.11	
		<i>For >10 To 50, Deduct</i>	-0.09	
		<i>For >50 To 100, Deduct</i>	-0.18	
		<i>For >100, Deduct</i>	-0.37	
05 05 23 00-1166	EA	12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw.....	2.36	
		<i>For >10 To 50, Deduct</i>	-0.09	
		<i>For >50 To 100, Deduct</i>	-0.20	
		<i>For >100, Deduct</i>	-0.40	
05 05 23 00-1167	EA	1/4"-28 x 3", Hex Washer Head, Teks® 5 Self Drilling Screw.....	3.27	
		<i>For >10 To 50, Deduct</i>	-0.12	
		<i>For >50 To 100, Deduct</i>	-0.26	
		<i>For >100, Deduct</i>	-0.51	
05 05 23 00-1168	EA	1/4"-28 x 4", Hex Washer Head, Teks® 5 Self Drilling Screw.....	3.49	
		<i>For >10 To 50, Deduct</i>	-0.12	
		<i>For >50 To 100, Deduct</i>	-0.27	
		<i>For >100, Deduct</i>	-0.54	
05 05 23 00-1169	EA	1/4"-28 x 6", Hex Washer Head, Teks® 5 Self Drilling Screw.....	4.36	
		<i>For >10 To 50, Deduct</i>	-0.13	
		<i>For >50 To 100, Deduct</i>	-0.30	
		<i>For >100, Deduct</i>	-0.60	
05 05 23 00-1170	EA	1/4"-28 x 8", Hex Washer Head, Teks® 5 Self Drilling Screw.....	4.88	
		<i>For >10 To 50, Deduct</i>	-0.13	
		<i>For >50 To 100, Deduct</i>	-0.32	
		<i>For >100, Deduct</i>	-0.65	
05 05 23 00-1171		Security Screws <small>(05 05 23 00-1162)</small>		
05 05 23 00-1172		304/18-8 Stainless Steel, Security Screws <small>(05 05 23 00-1171)</small>		
		Note: Includes "security" style drive in machine or sheet metal screw threads.		
05 05 23 00-1173	EA	#4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws.....	1.57	
		<i>For >10 To 50, Deduct</i>	-0.07	
		<i>For >50 To 100, Deduct</i>	-0.15	
		<i>For >100, Deduct</i>	-0.30	
05 05 23 00-1174	EA	#6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	1.80	
		<i>For >10 To 50, Deduct</i>	-0.07	
		<i>For >50 To 100, Deduct</i>	-0.16	
		<i>For >100, Deduct</i>	-0.31	
05 05 23 00-1175	EA	#6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	1.99	
		<i>For >10 To 50, Deduct</i>	-0.07	
		<i>For >50 To 100, Deduct</i>	-0.16	
		<i>For >100, Deduct</i>	-0.32	
05 05 23 00-1176	EA	#6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.06	
		<i>For >10 To 50, Deduct</i>	-0.07	
		<i>For >50 To 100, Deduct</i>	-0.16	
		<i>For >100, Deduct</i>	-0.33	
05 05 23 00-1177	EA	#6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.19	
		<i>For >10 To 50, Deduct</i>	-0.07	
		<i>For >50 To 100, Deduct</i>	-0.17	
		<i>For >100, Deduct</i>	-0.33	
05 05 23 00-1178	EA	#8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	1.85	
		<i>For >10 To 50, Deduct</i>	-0.07	
		<i>For >50 To 100, Deduct</i>	-0.16	
		<i>For >100, Deduct</i>	-0.31	
05 05 23 00-1179	EA	#8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	1.94	
		<i>For >10 To 50, Deduct</i>	-0.07	
		<i>For >50 To 100, Deduct</i>	-0.16	
		<i>For >100, Deduct</i>	-0.32	
05 05 23 00-1180	EA	#8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.14	
		<i>For >10 To 50, Deduct</i>	-0.07	
		<i>For >50 To 100, Deduct</i>	-0.16	
		<i>For >100, Deduct</i>	-0.33	
05 05 23 00-1181	EA	#8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.20	
		<i>For >10 To 50, Deduct</i>	-0.07	
		<i>For >50 To 100, Deduct</i>	-0.17	
		<i>For >100, Deduct</i>	-0.33	
05 05 23 00-1182	EA	#10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	1.91	
		<i>For >10 To 50, Deduct</i>	-0.07	
		<i>For >50 To 100, Deduct</i>	-0.16	
		<i>For >100, Deduct</i>	-0.32	
05 05 23 00-1183	EA	#10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	1.93	
		<i>For >10 To 50, Deduct</i>	-0.07	
		<i>For >50 To 100, Deduct</i>	-0.16	
		<i>For >100, Deduct</i>	-0.32	
05 05 23 00-1184	EA	#10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.02	
		<i>For >10 To 50, Deduct</i>	-0.07	
		<i>For >50 To 100, Deduct</i>	-0.16	
		<i>For >100, Deduct</i>	-0.32	
05 05 23 00-1185	EA	#10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.28	
		<i>For >10 To 50, Deduct</i>	-0.07	
		<i>For >50 To 100, Deduct</i>	-0.17	
		<i>For >100, Deduct</i>	-0.34	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1186	EA			1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	2.06 -0.07 -0.16 -0.33	
05 05 23 00-1187	EA			1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	2.12 -0.07 -0.16 -0.33	
05 05 23 00-1188	EA			1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	2.38 -0.07 -0.17 -0.34	
05 05 23 00-1189	EA			1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	2.78 -0.07 -0.18 -0.36	
05 05 23 00-1190				Threaded Rod <small>(05 05 23)</small> Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and washers.		
05 05 23 00-1191				Plain Finish Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1192	LF			1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	1.40 0.07	0.33
05 05 23 00-1193	LF			5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	1.83 0.11	0.37
05 05 23 00-1194	LF			3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	2.13 0.13	0.42
05 05 23 00-1195	LF			7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	2.87 0.20	0.43
05 05 23 00-1196	LF			1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	2.94 0.20	0.45
05 05 23 00-1197	LF			9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	3.64 0.27	0.45
05 05 23 00-1198	LF			5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	4.10 0.32	0.46
05 05 23 00-1199	LF			3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	6.72 0.58	0.47
05 05 23 00-1200	LF			7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	7.32 0.63	0.49
05 05 23 00-1201	LF			1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	10.00 0.89	0.55
05 05 23 00-1202	LF			1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	12.44 1.12	0.63
05 05 23 00-1203	LF			1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	16.51 1.51	0.68
05 05 23 00-1204	LF			1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	20.53 1.91	0.73
05 05 23 00-1205	LF			1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	24.55 2.30	0.77
05 05 23 00-1206	LF			1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	30.11 2.85	0.80
05 05 23 00-1207	LF			2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	38.46 3.68	0.84
05 05 23 00-1208				Zinc Plated Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1209	LF			1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	1.41 0.07	0.33
05 05 23 00-1210	LF			5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	2.07 0.13	0.37
05 05 23 00-1211	LF			3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	2.31 0.15	0.42
05 05 23 00-1212	LF			7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	3.32 0.25	0.43
05 05 23 00-1213	LF			1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	3.58 0.27	0.45
05 05 23 00-1214	LF			9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	4.67 0.38	0.45
05 05 23 00-1215	LF			5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	4.96 0.40	0.46
05 05 23 00-1216	LF			3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	7.46 0.65	0.47
05 05 23 00-1217	LF			7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	9.65 0.87	0.49
05 05 23 00-1218	LF			1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	12.95 1.18	0.55
05 05 23 00-1219	LF			1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	16.70 1.55	0.63
05 05 23 00-1220	LF			1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	19.93 1.85	0.68
05 05 23 00-1221	LF			1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	22.66 2.12	0.73

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1222	LF		1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	28.52	0.77
			<i>For Left Hand Threaded Rod, Add</i>	2.70	
05 05 23 00-1223	LF		1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	35.34	0.80
			<i>For Left Hand Threaded Rod, Add</i>	3.38	
05 05 23 00-1224	LF		2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	51.56	0.84
			<i>For Left Hand Threaded Rod, Add</i>	4.99	
05 05 23 00-1225			Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1226	LF		3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	3.79	0.42
			<i>For Left Hand Threaded Rod, Add</i>	0.30	
05 05 23 00-1227	LF		1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	5.31	0.45
			<i>For Left Hand Threaded Rod, Add</i>	0.44	
05 05 23 00-1228	LF		5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	7.16	0.46
			<i>For Left Hand Threaded Rod, Add</i>	0.62	
05 05 23 00-1229	LF		3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	9.82	0.47
			<i>For Left Hand Threaded Rod, Add</i>	0.89	
05 05 23 00-1230	LF		7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	13.59	0.49
			<i>For Left Hand Threaded Rod, Add</i>	1.26	
05 05 23 00-1231	LF		1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	17.52	0.55
			<i>For Left Hand Threaded Rod, Add</i>	1.64	
05 05 23 00-1232	LF		1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	23.04	0.63
			<i>For Left Hand Threaded Rod, Add</i>	2.18	
05 05 23 00-1233	LF		1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	30.31	0.68
			<i>For Left Hand Threaded Rod, Add</i>	2.89	
05 05 23 00-1234	LF		1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	33.87	0.73
			<i>For Left Hand Threaded Rod, Add</i>	3.24	
05 05 23 00-1235	LF		1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	40.31	0.77
			<i>For Left Hand Threaded Rod, Add</i>	3.88	
05 05 23 00-1236	LF		1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	48.97	0.80
			<i>For Left Hand Threaded Rod, Add</i>	4.74	
05 05 23 00-1237	LF		2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	85.47	0.84
			<i>For Left Hand Threaded Rod, Add</i>	8.38	
05 05 23 00-1238			304/18-8 Stainless Steel Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1239	LF		1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	1.89	0.33
			<i>For Left Hand Threaded Rod, Add</i>	0.12	
05 05 23 00-1240	LF		5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	2.81	0.37
			<i>For Left Hand Threaded Rod, Add</i>	0.21	
05 05 23 00-1241	LF		3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	3.60	0.42
			<i>For Left Hand Threaded Rod, Add</i>	0.28	
05 05 23 00-1242	LF		7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	4.97	0.43
			<i>For Left Hand Threaded Rod, Add</i>	0.41	
05 05 23 00-1243	LF		1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	5.95	0.45
			<i>For Left Hand Threaded Rod, Add</i>	0.51	
05 05 23 00-1244	LF		9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	8.51	0.45
			<i>For Left Hand Threaded Rod, Add</i>	0.76	
05 05 23 00-1245	LF		5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	8.89	0.46
			<i>For Left Hand Threaded Rod, Add</i>	0.80	
05 05 23 00-1246	LF		3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	12.41	0.47
			<i>For Left Hand Threaded Rod, Add</i>	1.15	
05 05 23 00-1247	LF		7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	17.04	0.49
			<i>For Left Hand Threaded Rod, Add</i>	1.61	
05 05 23 00-1248	LF		1" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	21.84	0.55
			<i>For Left Hand Threaded Rod, Add</i>	2.07	
05 05 23 00-1249	LF		1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	46.14	0.68
			<i>For Left Hand Threaded Rod, Add</i>	4.47	
05 05 23 00-1250	LF		1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	70.20	0.77
			<i>For Left Hand Threaded Rod, Add</i>	6.87	
05 05 23 00-1251	LF		1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	72.21	0.80
			<i>For Left Hand Threaded Rod, Add</i>	7.06	
05 05 23 00-1252	LF		2" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	99.87	0.84
			<i>For Left Hand Threaded Rod, Add</i>	9.82	
05 05 23 00-1253			316 Stainless Steel Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1254	LF		1/4" Diameter, 316 Stainless Steel Threaded Rod.....	2.70	0.33
			<i>For Left Hand Threaded Rod, Add</i>	0.20	
05 05 23 00-1255	LF		5/16" Diameter, 316 Stainless Steel Threaded Rod.....	4.31	0.37
			<i>For Left Hand Threaded Rod, Add</i>	0.36	
05 05 23 00-1256	LF		3/8" Diameter, 316 Stainless Steel Threaded Rod.....	5.71	0.42
			<i>For Left Hand Threaded Rod, Add</i>	0.49	
05 05 23 00-1257	LF		7/16" Diameter, 316 Stainless Steel Threaded Rod.....	8.87	0.43
			<i>For Left Hand Threaded Rod, Add</i>	0.80	
05 05 23 00-1258	LF		1/2" Diameter, 316 Stainless Steel Threaded Rod.....	9.41	0.45
			<i>For Left Hand Threaded Rod, Add</i>	0.85	
05 05 23 00-1259	LF		9/16" Diameter, 316 Stainless Steel Threaded Rod.....	12.31	0.45
			<i>For Left Hand Threaded Rod, Add</i>	1.14	
05 05 23 00-1260	LF		5/8" Diameter, 316 Stainless Steel Threaded Rod.....	13.25	0.46
			<i>For Left Hand Threaded Rod, Add</i>	1.23	
05 05 23 00-1261	LF		3/4" Diameter, 316 Stainless Steel Threaded Rod.....	19.27	0.47
			<i>For Left Hand Threaded Rod, Add</i>	1.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1262 LF 7/8" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	26.35 2.54	0.49
05 05 23 00-1263 LF 1" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	33.33 3.22	0.55
05 05 23 00-1264 LF 1-1/4" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	70.28 6.89	0.68
05 05 23 00-1265 LF 1-1/2" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	92.08 9.06	0.77
05 05 23 00-1266 Plain Finish Steel, B-7 Alloy Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1267 LF 1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	2.42 0.87	0.33
05 05 23 00-1268 LF 5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	3.72 1.49	0.37
05 05 23 00-1269 LF 3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	3.89 1.53	0.42
05 05 23 00-1270 LF 7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	4.26 1.70	0.43
05 05 23 00-1271 LF 1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	4.69 1.90	0.45
05 05 23 00-1272 LF 9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	5.85 2.47	0.45
05 05 23 00-1273 LF 5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	6.05 2.56	0.46
05 05 23 00-1274 LF 3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	8.04 3.54	0.47
05 05 23 00-1275 LF 7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	9.63 4.32	0.49
05 05 23 00-1276 LF 1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	12.49 5.69	0.55
05 05 23 00-1277 LF 1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	16.25 7.51	0.63
05 05 23 00-1278 LF 1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	18.09 8.35	0.68
05 05 23 00-1279 LF 1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	20.88 9.71	0.73
05 05 23 00-1280 LF 1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	25.39 11.94	0.77
05 05 23 00-1281 LF 1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	26.24 12.33	0.80
05 05 23 00-1282 LF 2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	35.24 16.79	0.84
05 05 23 00-1283 Nuts And Washers <small>(05 05 23)</small>		
05 05 23 00-1284 Hex Nuts <small>(05 05 23 00-1283)</small>		
05 05 23 00-1285 Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts <small>(05 05 23 00-1284)</small>		
05 05 23 00-1286 EA 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.33	0.14
05 05 23 00-1287 EA 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.36	0.14
05 05 23 00-1288 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.39	0.14
05 05 23 00-1289 EA 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.46	0.14
05 05 23 00-1290 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.50	0.14
05 05 23 00-1291 EA 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.68	0.14
05 05 23 00-1292 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.71	0.14
05 05 23 00-1293 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.84	0.29
05 05 23 00-1294 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.25	0.29
05 05 23 00-1295 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.60	0.29
05 05 23 00-1296 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.66	0.29
05 05 23 00-1297 EA 1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.26	0.29
05 05 23 00-1298 EA 1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.83	0.29
05 05 23 00-1299 EA 1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.61	0.43
05 05 23 00-1300 EA 1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	8.26	0.43
05 05 23 00-1301 EA 2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	11.97	0.43
05 05 23 00-1302 Zinc Plated Steel, Grade 5 Hex Nuts <small>(05 05 23 00-1284)</small>		
05 05 23 00-1303 EA 1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.34	0.14
05 05 23 00-1304 EA 5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.37	0.14
05 05 23 00-1305 EA 3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.41	0.14
05 05 23 00-1306 EA 7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.48	0.14
05 05 23 00-1307 EA 1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.57	0.14
05 05 23 00-1308 EA 9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.70	0.14
05 05 23 00-1309 EA 5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.72	0.14
05 05 23 00-1310 EA 3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.96	0.29
05 05 23 00-1311 EA 7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.37	0.29
05 05 23 00-1312 EA 1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.95	0.29
05 05 23 00-1313 EA 1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	3.01	0.29
05 05 23 00-1314 EA 1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	4.28	0.29
05 05 23 00-1315 EA 1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	6.32	0.29
05 05 23 00-1316 EA 1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	6.99	0.43

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1317 EA 1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	12.66	0.43
05 05 23 00-1318 EA 2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	18.18	0.43
05 05 23 00-1319 Zinc Plated Steel, Grade 8 Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1320 EA 1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.35	0.14
05 05 23 00-1321 EA 5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.40	0.14
05 05 23 00-1322 EA 3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.44	0.14
05 05 23 00-1323 EA 7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.55	0.14
05 05 23 00-1324 EA 1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.67	0.14
05 05 23 00-1325 EA 9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.82	0.14
05 05 23 00-1326 EA 5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.94	0.14
05 05 23 00-1327 EA 3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.17	0.29
05 05 23 00-1328 EA 7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.79	0.29
05 05 23 00-1329 EA 1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	2.38	0.29
05 05 23 00-1330 EA 1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	3.77	0.29
05 05 23 00-1331 EA 1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	4.72	0.29
05 05 23 00-1332 EA 1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	7.82	0.29
05 05 23 00-1333 EA 1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	8.31	0.43
05 05 23 00-1334 EA 1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	12.70	0.43
05 05 23 00-1335 EA 2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	17.98	0.43
05 05 23 00-1336 Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1337 EA 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.35	0.14
05 05 23 00-1338 EA 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.39	0.14
05 05 23 00-1339 EA 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.43	0.14
05 05 23 00-1340 EA 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.54	0.14
05 05 23 00-1341 EA 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.63	0.14
05 05 23 00-1342 EA 9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.71	0.14
05 05 23 00-1343 EA 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.79	0.14
05 05 23 00-1344 EA 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.06	0.29
05 05 23 00-1345 EA 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.57	0.29
05 05 23 00-1346 EA 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	2.18	0.29
05 05 23 00-1347 EA 1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	3.64	0.29
05 05 23 00-1348 EA 1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	4.69	0.29
05 05 23 00-1349 EA 1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	7.00	0.29
05 05 23 00-1350 EA 1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	8.18	0.43
05 05 23 00-1351 EA 1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	14.31	0.43
05 05 23 00-1352 EA 2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	24.81	0.43
05 05 23 00-1353 304 Stainless Steel Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1354 EA 1/4" Diameter, 304 Stainless Steel Hex Nut	0.39	0.14
05 05 23 00-1355 EA 5/16" Diameter, 304 Stainless Steel Hex Nut	0.46	0.14
05 05 23 00-1356 EA 3/8" Diameter, 304 Stainless Steel Hex Nut	0.52	0.14
05 05 23 00-1357 EA 7/16" Diameter, 304 Stainless Steel Hex Nut	0.78	0.14
05 05 23 00-1358 EA 1/2" Diameter, 304 Stainless Steel Hex Nut	0.85	0.14
05 05 23 00-1359 EA 9/16" Diameter, 304 Stainless Steel Hex Nut	1.31	0.14
05 05 23 00-1360 EA 5/8" Diameter, 304 Stainless Steel Hex Nut	1.46	0.14
05 05 23 00-1361 EA 3/4" Diameter, 304 Stainless Steel Hex Nut	1.68	0.29
05 05 23 00-1362 EA 7/8" Diameter, 304 Stainless Steel Hex Nut	2.78	0.29
05 05 23 00-1363 EA 1" Diameter, 304 Stainless Steel Hex Nut	4.26	0.29
05 05 23 00-1364 EA 1-1/4" Diameter, 304 Stainless Steel Hex Nut	10.31	0.29
05 05 23 00-1365 EA 1-1/2" Diameter, 304 Stainless Steel Hex Nut	19.84	0.43
05 05 23 00-1366 EA 1-3/4" Diameter, 304 Stainless Steel Hex Nut	34.93	0.43
05 05 23 00-1367 EA 2" Diameter, 304 Stainless Steel Hex Nut	49.80	0.43
05 05 23 00-1368 316 Stainless Steel Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1369 EA 1/4" Diameter, 316 Stainless Steel Hex Nut	0.46	0.14
05 05 23 00-1370 EA 5/16" Diameter, 316 Stainless Steel Hex Nut	0.52	0.14
05 05 23 00-1371 EA 3/8" Diameter, 316 Stainless Steel Hex Nut	0.63	0.14
05 05 23 00-1372 EA 7/16" Diameter, 316 Stainless Steel Hex Nut	1.04	0.14
05 05 23 00-1373 EA 1/2" Diameter, 316 Stainless Steel Hex Nut	1.11	0.14
05 05 23 00-1374 EA 9/16" Diameter, 316 Stainless Steel Hex Nut	1.53	0.14
05 05 23 00-1375 EA 5/8" Diameter, 316 Stainless Steel Hex Nut	1.73	0.14
05 05 23 00-1376 EA 3/4" Diameter, 316 Stainless Steel Hex Nut	2.42	0.29
05 05 23 00-1377 EA 7/8" Diameter, 316 Stainless Steel Hex Nut	3.39	0.29
05 05 23 00-1378 EA 1" Diameter, 316 Stainless Steel Hex Nut	5.23	0.29
05 05 23 00-1379 EA 1-1/4" Diameter, 316 Stainless Steel Hex Nut	16.01	0.29
05 05 23 00-1380 EA 1-1/2" Diameter, 316 Stainless Steel Hex Nut	25.92	0.43
05 05 23 00-1381 EA 1-3/4" Diameter, 316 Stainless Steel Hex Nut	43.79	0.43
05 05 23 00-1382 EA 2" Diameter, 316 Stainless Steel Hex Nut	81.44	0.43
05 05 23 00-1383 Flat Washers (05 05 23 00-1283)		
05 05 23 00-1384 Zinc Plated Steel, Low Carbon Flat Washers (05 05 23 00-1383)		
05 05 23 00-1385 EA 1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.03	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1386	EA			5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.04	
05 05 23 00-1387	EA			3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.08	
05 05 23 00-1388	EA			7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.12	
05 05 23 00-1389	EA			1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.17	
05 05 23 00-1390	EA			9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.19	
05 05 23 00-1391	EA			5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.33	
05 05 23 00-1392	EA			3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.47	
05 05 23 00-1393	EA			7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.56	
05 05 23 00-1394	EA			1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.68	
05 05 23 00-1395	EA			1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.77	
05 05 23 00-1396	EA			1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.92	
05 05 23 00-1397	EA			1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.45	
05 05 23 00-1398	EA			1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.48	
05 05 23 00-1399	EA			1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.20	
05 05 23 00-1400	EA			2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.73	
05 05 23 00-1401 Zinc Plated Steel, Hardened Flat Washers (05 05 23 00-1383)						
05 05 23 00-1402	EA			1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.10	
05 05 23 00-1403	EA			5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.14	
05 05 23 00-1404	EA			3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.16	
05 05 23 00-1405	EA			7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.21	
05 05 23 00-1406	EA			1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.29	
05 05 23 00-1407	EA			9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.47	
05 05 23 00-1408	EA			5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.67	
05 05 23 00-1409	EA			3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.94	
05 05 23 00-1410	EA			7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.58	
05 05 23 00-1411	EA			1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.75	
05 05 23 00-1412	EA			1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	2.54	
05 05 23 00-1413	EA			1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	2.78	
05 05 23 00-1414	EA			1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	3.66	
05 05 23 00-1415	EA			1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	4.18	
05 05 23 00-1416	EA			1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	5.62	
05 05 23 00-1417	EA			2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	6.75	
05 05 23 00-1418 Hot Dipped Galvanized Steel Flat Washers (05 05 23 00-1383)						
05 05 23 00-1419	EA			1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.07	
05 05 23 00-1420	EA			5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.09	
05 05 23 00-1421	EA			3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.11	
05 05 23 00-1422	EA			7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.20	
05 05 23 00-1423	EA			1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.25	
05 05 23 00-1424	EA			9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.41	
05 05 23 00-1425	EA			5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.46	
05 05 23 00-1426	EA			3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.70	
05 05 23 00-1427	EA			7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.98	
05 05 23 00-1428	EA			1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.08	
05 05 23 00-1429	EA			1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.65	
05 05 23 00-1430	EA			1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.84	
05 05 23 00-1431	EA			1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	2.62	
05 05 23 00-1432	EA			1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	2.84	
05 05 23 00-1433	EA			1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	4.12	
05 05 23 00-1434 304/18-8 Stainless Steel Flat Washers (05 05 23 00-1383)						
05 05 23 00-1435	EA			1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.08	
05 05 23 00-1436	EA			5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.10	
05 05 23 00-1437	EA			3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.14	
05 05 23 00-1438	EA			7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.26	
05 05 23 00-1439	EA			1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.48	
05 05 23 00-1440	EA			9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.60	
05 05 23 00-1441	EA			5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.88	
05 05 23 00-1442	EA			3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.90	
05 05 23 00-1443	EA			7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.89	
05 05 23 00-1444	EA			1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	2.39	
05 05 23 00-1445	EA			1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	2.78	
05 05 23 00-1446	EA			1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	3.00	
05 05 23 00-1447	EA			1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	3.17	
05 05 23 00-1448	EA			1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	3.86	
05 05 23 00-1449	EA			1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	4.80	
05 05 23 00-1450	EA			2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	9.43	
05 05 23 00-1451 316 Stainless Steel Flat Washers (05 05 23 00-1383)						
05 05 23 00-1452	EA			1/4" Inside Diameter, 316 Stainless Steel Flat Washer	0.15	
05 05 23 00-1453	EA			5/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.16	
05 05 23 00-1454	EA			3/8" Inside Diameter, 316 Stainless Steel Flat Washer	0.28	
05 05 23 00-1455	EA			7/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.34	
05 05 23 00-1456	EA			1/2" Inside Diameter, 316 Stainless Steel Flat Washer	0.62	
05 05 23 00-1457	EA			9/16" Inside Diameter, 316 Stainless Steel Flat Washer	1.12	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1458 EA 5/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	1.32	
05 05 23 00-1459 EA 3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	1.66	
05 05 23 00-1460 EA 7/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	2.58	
05 05 23 00-1461 EA 1" Inside Diameter, 316 Stainless Steel Flat Washer.....	2.88	
05 05 23 00-1462 EA 1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	3.28	
05 05 23 00-1463 EA 1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	4.04	
05 05 23 00-1464 EA 1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	4.27	
05 05 23 00-1465 EA 1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....	4.37	
05 05 23 00-1466 EA 1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	6.40	
05 05 23 00-1467 Lock Washers (05 05 23 00-1283)		
05 05 23 00-1468 Zinc Plated Steel, Low Carbon Lock Washers (05 05 23 00-1467)		
05 05 23 00-1469 EA 1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.01	
05 05 23 00-1470 EA 5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.02	
05 05 23 00-1471 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.03	
05 05 23 00-1472 EA 7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.05	
05 05 23 00-1473 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.07	
05 05 23 00-1474 EA 9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.11	
05 05 23 00-1475 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.12	
05 05 23 00-1476 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.19	
05 05 23 00-1477 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.31	
05 05 23 00-1478 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.56	
05 05 23 00-1479 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.82	
05 05 23 00-1480 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	1.25	
05 05 23 00-1481 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	1.98	
05 05 23 00-1482 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	2.33	
05 05 23 00-1483 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	4.16	
05 05 23 00-1484 EA 2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	4.69	
05 05 23 00-1485 Hot Dipped Galvanized Steel Lock Washers (05 05 23 00-1467)		
05 05 23 00-1486 EA 1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.05	
05 05 23 00-1487 EA 5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.06	
05 05 23 00-1488 EA 3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.08	
05 05 23 00-1489 EA 7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.09	
05 05 23 00-1490 EA 1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.14	
05 05 23 00-1491 EA 9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.18	
05 05 23 00-1492 EA 5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.21	
05 05 23 00-1493 EA 3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.36	
05 05 23 00-1494 EA 7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.52	
05 05 23 00-1495 EA 1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.82	
05 05 23 00-1496 EA 1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	1.48	
05 05 23 00-1497 EA 1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	1.76	
05 05 23 00-1498 EA 1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	2.54	
05 05 23 00-1499 EA 1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	2.91	
05 05 23 00-1500 EA 1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	3.94	
05 05 23 00-1501 EA 2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	5.36	
05 05 23 00-1502 304/18-8 Stainless Steel Lock Washers (05 05 23 00-1467)		
05 05 23 00-1503 EA 1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.06	
05 05 23 00-1504 EA 5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.09	
05 05 23 00-1505 EA 3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.12	
05 05 23 00-1506 EA 7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.23	
05 05 23 00-1507 EA 1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.25	
05 05 23 00-1508 EA 9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.62	
05 05 23 00-1509 EA 5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.73	
05 05 23 00-1510 EA 3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.85	
05 05 23 00-1511 EA 7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	1.54	
05 05 23 00-1512 EA 1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	2.17	
05 05 23 00-1513 EA 1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	3.78	
05 05 23 00-1514 EA 1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	5.03	
05 05 23 00-1515 EA 1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	6.40	
05 05 23 00-1516 EA 1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	7.68	
05 05 23 00-1517 316 Stainless Steel Lock Washers (05 05 23 00-1467)		
05 05 23 00-1518 EA 1/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.08	
05 05 23 00-1519 EA 5/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.17	
05 05 23 00-1520 EA 3/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.19	
05 05 23 00-1521 EA 7/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.33	
05 05 23 00-1522 EA 1/2" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.37	
05 05 23 00-1523 EA 9/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.66	
05 05 23 00-1524 EA 5/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.72	
05 05 23 00-1525 EA 3/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	1.25	
05 05 23 00-1526 EA 7/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	2.06	
05 05 23 00-1527 EA 1" Inside Diameter, 316 Stainless Steel Lock Washer.....	2.81	
05 05 23 00-1528 EA 1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	3.92	
05 05 23 00-1529 EA 1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	6.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1530 EA 1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	10.80	
05 05 23 00-1531 EA 1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer.....	11.99	
05 05 23 00-1532 Load Indicating Washers (05 05 23 00-1283)		
05 05 23 00-1533 A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1532)		
05 05 23 00-1534 Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1533)		
05 05 23 00-1535 EA 1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.36	
05 05 23 00-1536 EA 5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.54	
05 05 23 00-1537 EA 3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.66	
05 05 23 00-1538 EA 7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.88	
05 05 23 00-1539 EA 1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.27	
05 05 23 00-1540 EA 1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.78	
05 05 23 00-1541 EA 1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	4.88	
05 05 23 00-1542 EA 1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	6.23	
05 05 23 00-1543 EA 1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	6.86	
05 05 23 00-1544 Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1533)		
05 05 23 00-1545 EA 1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.72	
05 05 23 00-1546 EA 5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.91	
05 05 23 00-1547 EA 3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.86	
05 05 23 00-1548 EA 7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.27	
05 05 23 00-1549 EA 1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.69	
05 05 23 00-1550 EA 1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	4.06	
05 05 23 00-1551 EA 1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	5.11	
05 05 23 00-1552 EA 1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	7.27	
05 05 23 00-1553 EA 1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	8.00	
05 05 23 00-1554 Beveled Washers (05 05 23 00-1283)		
05 05 23 00-1555 Plain Finish, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)		
05 05 23 00-1556 EA 1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	2.24	
05 05 23 00-1557 EA 5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	2.29	
05 05 23 00-1558 EA 3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	2.34	
05 05 23 00-1559 EA 7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	2.84	
05 05 23 00-1560 EA 1", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	2.99	
05 05 23 00-1561 Galvanized, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)		
05 05 23 00-1562 EA 1/2", Galvanized, Square Beveled Structural Washer (ASTM F436).....	3.22	
05 05 23 00-1563 EA 5/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	3.37	
05 05 23 00-1564 EA 3/4", Galvanized, Square Beveled Structural Washer (ASTM F436).....	3.37	
05 05 23 00-1565 EA 7/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	3.56	
05 05 23 00-1566 EA 1", Galvanized, Square Beveled Structural Washer (ASTM F436).....	3.79	
05 05 23 00-1567 Drilling In Steel Plates (05 05 23)		
05 05 23 00-1568 EA Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	13.45	
<i>For Aluminum, Deduct</i>	-1.35	
<i>For Stainless Steel, Add</i>	1.68	
05 05 23 00-1569 EA >1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate.....	15.83	
<i>For Aluminum, Deduct</i>	-1.58	
<i>For Stainless Steel, Add</i>	1.98	
05 05 23 00-1570 EA >7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	18.98	
<i>For Aluminum, Deduct</i>	-1.90	
<i>For Stainless Steel, Add</i>	2.37	
05 05 23 00-1571 EA >1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate.....	22.15	
<i>For Aluminum, Deduct</i>	-2.22	
<i>For Stainless Steel, Add</i>	2.77	
05 05 23 00-1572 EA >4" To 10" Diameter Drill Through Up To 1/4" Steel Plate.....	29.67	
<i>For Aluminum, Deduct</i>	-2.97	
<i>For Stainless Steel, Add</i>	3.71	
05 05 23 00-1573 EA Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	15.83	
<i>For Aluminum, Deduct</i>	-1.58	
<i>For Stainless Steel, Add</i>	1.98	
05 05 23 00-1574 EA >1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	19.78	
<i>For Aluminum, Deduct</i>	-1.98	
<i>For Stainless Steel, Add</i>	2.47	
05 05 23 00-1575 EA >7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	23.74	
<i>For Aluminum, Deduct</i>	-2.37	
<i>For Stainless Steel, Add</i>	2.97	
05 05 23 00-1576 EA >1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	29.67	
<i>For Aluminum, Deduct</i>	-2.97	
<i>For Stainless Steel, Add</i>	3.71	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-1577	EA	Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	19.78	
		<i>For Aluminum, Deduct</i>	-1.98	
		<i>For Stainless Steel, Add</i>	2.47	
05 05 23 00-1578	EA	>1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate.....	26.11	
		<i>For Aluminum, Deduct</i>	-2.61	
		<i>For Stainless Steel, Add</i>	3.26	
05 05 23 00-1579	EA	>7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	31.65	

05 05 23 00-1580 Welded Stud Anchors (05 05 23)

05 05 23 00-1581	EA	1/4" Diameter x 1-1/8" Long, Welded Stud Concrete Anchors.....	1.94	
05 05 23 00-1582	EA	1/4" Diameter x 2-11/16" Long, Welded Stud Concrete Anchors.....	1.97	
05 05 23 00-1583	EA	1/4" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors.....	1.98	
05 05 23 00-1584	EA	1/4" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors.....	1.99	
05 05 23 00-1585	EA	3/8" Diameter x 1-3/8" Long, Welded Stud Concrete Anchors.....	2.00	
05 05 23 00-1586	EA	3/8" Diameter x 1-5/8" Long, Welded Stud Concrete Anchors.....	2.07	
05 05 23 00-1587	EA	3/8" Diameter x 2-1/8" Long, Welded Stud Concrete Anchors.....	2.13	
05 05 23 00-1588	EA	3/8" Diameter x 2-5/8" Long, Welded Stud Concrete Anchors.....	2.17	
05 05 23 00-1589	EA	3/8" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors.....	2.20	
05 05 23 00-1590	EA	3/8" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors.....	2.34	
05 05 23 00-1591	EA	3/8" Diameter x 5-1/8" Long, Welded Stud Concrete Anchors.....	2.45	
05 05 23 00-1592	EA	3/8" Diameter x 6-1/8" Long, Welded Stud Concrete Anchors.....	2.54	
05 05 23 00-1593	EA	1/2" Diameter x 1-1/2" Long, Welded Stud Concrete Anchors.....	2.36	
05 05 23 00-1594	EA	1/2" Diameter x 1-5/8" Long, Welded Stud Concrete Anchors.....	2.37	
05 05 23 00-1595	EA	1/2" Diameter x 2-1/8" Long, Welded Stud Concrete Anchors.....	2.48	
05 05 23 00-1596	EA	1/2" Diameter x 2-5/8" Long, Welded Stud Concrete Anchors.....	2.57	
05 05 23 00-1597	EA	1/2" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors.....	2.69	
05 05 23 00-1598	EA	1/2" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors.....	2.88	
05 05 23 00-1599	EA	1/2" Diameter x 5-5/16" Long, Welded Stud Concrete Anchors.....	3.00	
05 05 23 00-1600	EA	1/2" Diameter x 6-1/8" Long, Welded Stud Concrete Anchors.....	3.33	
05 05 23 00-1601	EA	1/2" Diameter x 8-1/8" Long, Welded Stud Concrete Anchors.....	3.95	
05 05 23 00-1602	EA	5/8" Diameter x 2-11/16" Long, Welded Stud Concrete Anchors.....	3.13	
05 05 23 00-1603	EA	5/8" Diameter x 3-3/16" Long, Welded Stud Concrete Anchors.....	3.28	
05 05 23 00-1604	EA	5/8" Diameter x 3-11/16" Long, Welded Stud Concrete Anchors.....	3.41	
05 05 23 00-1605	EA	5/8" Diameter x 4-3/16" Long, Welded Stud Concrete Anchors.....	3.54	
05 05 23 00-1606	EA	5/8" Diameter x 4-11/16" Long, Welded Stud Concrete Anchors.....	3.64	
05 05 23 00-1607	EA	5/8" Diameter x 5-3/16" Long, Welded Stud Concrete Anchors.....	3.74	
05 05 23 00-1608	EA	5/8" Diameter x 6-3/16" Long, Welded Stud Concrete Anchors.....	3.87	
05 05 23 00-1609	EA	5/8" Diameter x 6-9/16" Long, Welded Stud Concrete Anchors.....	4.40	
05 05 23 00-1610	EA	5/8" Diameter x 8-3/16" Long, Welded Stud Concrete Anchors.....	5.14	

05 05 23 00-1611 Welded Shear Stud Connector (05 05 23)**05 05 23 00-1612 3/4" Diameter Welded Shear Stud Connector (05 05 23 00-1611)**

05 05 23 00-1613	EA	3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	3.88	
05 05 23 00-1614	EA	3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector.....	3.99	
05 05 23 00-1615	EA	3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector.....	4.02	
05 05 23 00-1616	EA	3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	4.03	
05 05 23 00-1617	EA	3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector.....	4.16	
05 05 23 00-1618	EA	3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector.....	4.39	
05 05 23 00-1619	EA	3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector.....	6.65	
05 05 23 00-1620	EA	3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	4.67	
05 05 23 00-1621	EA	3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector.....	5.08	
05 05 23 00-1622	EA	3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	7.17	
05 05 23 00-1623	EA	3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	7.30	
05 05 23 00-1624	EA	3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	7.75	
05 05 23 00-1625	EA	3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	9.64	

05 05 23 00-1626 7/8" Diameter Welded Shear Stud Connector (05 05 23 00-1611)

05 05 23 00-1627	EA	7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	4.44	
05 05 23 00-1628	EA	7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector.....	4.62	
05 05 23 00-1629	EA	7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	4.80	
05 05 23 00-1630	EA	7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	5.32	
05 05 23 00-1631	EA	7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	7.45	
05 05 23 00-1632	EA	7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	7.99	
05 05 23 00-1633	EA	7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	8.53	
05 05 23 00-1634	EA	7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	10.05	

05 05 23 00-1635 1" Diameter Welded Shear Stud Connector (05 05 23 00-1611)

05 05 23 00-1636	EA	1" Diameter x 3-1/4" Long, Welded Shear Stud Connector.....	5.62	
05 05 23 00-1637	EA	1" Diameter x 4-1/4" Long, Welded Shear Stud Connector.....	6.17	
05 05 23 00-1638	EA	1" Diameter x 5-1/4" Long, Welded Shear Stud Connector.....	6.99	
05 05 23 00-1639	EA	1" Diameter x 6-1/4" Long, Welded Shear Stud Connector.....	9.49	
05 05 23 00-1640	EA	1" Diameter x 7-1/4" Long, Welded Shear Stud Connector.....	10.35	
05 05 23 00-1641	EA	1" Diameter x 8-1/4" Long, Welded Shear Stud Connector.....	11.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 10 Structural Metal Framing ⁽⁰⁵⁾

05 12 Structural Steel Framing ^(05 10)

05 12 23 Structural Steel For Buildings ^(05 12)

Note: Prices are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection. Excludes moment connection welding. See CSI section 05 12 23 00-0075 for field fabrication of additional structural metal connections, 05 12 23 00-0090 for moment connection welding.

05 12 23 00-0001	Rolled Steel Members ^(05 12 23)	
05 12 23 00-0002	Beams, Girders And Columns ^(05 12 23 00-0001)	
	Note: For one and two story I beams and W shapes and HP shapes.	
05 12 23 00-0003	TON Up To 30 LB/LF Beams, Girders And Columns For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	5,734.04 326.26 1,141.90
05 12 23 00-0004	TON >30-65 LB/LF Beams, Girders And Columns For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	3,898.97 267.76 937.17
05 12 23 00-0005	Shapes ^(05 12 23 00-0001)	
05 12 23 00-0006	Rolled C, MC Steel Channels ^(05 12 23 00-0005)	
05 12 23 00-0007	TON Up To 10 LB/LF Rolled C, MC Steel Channels For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	9,212.34 464.05 1,624.18
05 12 23 00-0008	TON >10-20 LB/LF Rolled C, MC Steel Channels For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	7,211.98 444.49 1,555.72
05 12 23 00-0009	Double L Shape Steel Angles ^(05 12 23 00-0005)	
05 12 23 00-0010	TON Up To 20 LB/LF Double L Shape Steel Angles For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	7,733.82 453.38 1,586.84
05 12 23 00-0011	Combination Section Shapes ^(05 12 23 00-0001)	
05 12 23 00-0012	Combination Section, W Shapes And Angles ^(05 12 23 00-0011)	
05 12 23 00-0013	TON Up To 30 LB/LF Combination Section - W Shapes And Angles For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	6,645.25 399.15 1,397.04
05 12 23 00-0014	TON >30-65 LB/LF Combination Section - W Shapes And Angles For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	4,663.50 328.92 1,151.24
05 12 23 00-0015	TON >100-300 LB/LF Combination Section - W Shapes And Angles For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	2,898.96 218.69 765.42
05 12 23 00-0016	Combination Section, Channels And Angles ^(05 12 23 00-0011)	
05 12 23 00-0017	TON Up To 30 LB/LF Combination Section - Channels And Angles For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	6,989.73 426.71 1,493.49
05 12 23 00-0018	Standard Weight Pipe ^(05 12 23 00-0001)	
05 12 23 00-0019	TON 1/2" To 5" Diameter Standard Weight Pipe For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	3,963.79 277.36 970.77
05 12 23 00-0020	TON >5" To 12" Diameter Standard Weight Pipe For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	4,243.54 289.81 1,014.33
05 12 23 00-0021	Structural Steel Shapes ^(05 12 23)	
05 12 23 00-0022	Steel Rods ^(05 12 23 00-0021)	
05 12 23 00-0023	TON 1/2" To 5" Diameter Extra Strong Steel, Solid For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	4,255.16 309.37 1,082.78
05 12 23 00-0024	Column Base Plates ^(05 12 23 00-0021)	
05 12 23 00-0025	LB Column Base Plates, Up To 150 LB / Each, A36 Miscellaneous Steel Items For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	2.16 0.13 0.47
05 12 23 00-0026	Double Extra Strong Pipes ^(05 12 23 00-0021)	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0027	TON		2" To 5" Diameter Double Extra Strong Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,132.33 353.82 1,238.36	665.25
05 12 23 00-0028	TON		>5" To 8" Diameter Double Extra Strong Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,582.56 336.04 1,176.13	358.20
05 12 23 00-0029			Structural Pipes <small>(05 12 23 00-0021)</small>		
05 12 23 00-0030	TON		3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,584.36 248.92 871.21	307.36
05 12 23 00-0031	TON		>5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,893.47 248.92 871.21	354.47
05 12 23 00-0032			Structural Tubing <small>(05 12 23 00-0021)</small>		
05 12 23 00-0033			Rectangle Structural Tubing <small>(05 12 23 00-0032)</small>		
05 12 23 00-0034	TON		3" x 2" Weight Range 5-7 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,887.33 444.49 1,555.72	310.46
05 12 23 00-0035	TON		4" x 3", 2" Weight Range 6-13 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,938.27 444.49 1,555.72	358.20
05 12 23 00-0036	TON		5" x 4", 2" Weight Range 8-20 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,192.24 382.26 1,337.92	388.08
05 12 23 00-0037	TON		6" x 4", 3", 2" Weight Range 9-29 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,941.68 355.59 1,244.58	465.70
05 12 23 00-0038			Square Structural Tubing <small>(05 12 23 00-0032)</small>		
05 12 23 00-0039	TON		2" x 2" Weight Range 4-6 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,866.62 444.49 1,555.72	291.07
05 12 23 00-0040	TON		2.5" x 2.5" Weight Range 5-8 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,887.33 444.49 1,555.72	310.46
05 12 23 00-0041	TON		3" x 3" Weight Range 6-11 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,303.37 391.15 1,369.04	388.08
05 12 23 00-0042	TON		3.5" x 3.5" Weight Range 8-13 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,275.04 382.26 1,337.92	465.70
05 12 23 00-0043	TON		4" x 4" Weight Range 10-22 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,265.77 291.59 1,020.56	582.12
05 12 23 00-0044	TON		5" x 5" Weight Range 12-30 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,354.47 291.59 1,020.56	665.25
05 12 23 00-0045	TON		6" x 6" Weight Range 15-35 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,638.33 291.59 1,020.56	931.40
05 12 23 00-0046			Structural Shapes <small>(05 12 23 00-0021)</small>		
05 12 23 00-0047	TON		Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF) <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >20 To 50 LB/LF, Deduct</i> <i>For >50 To 75 LB/LF, Deduct</i> <i>For >75 To 100 LB/LF, Deduct</i>	6,401.41 299.06 1,046.71 -773.30 -1,226.53 -1,679.75	1,677.79
05 12 23 00-0048	TON		Structural Shapes, Steel Plate A36 Structural Steel Note: Up to 21.5 LB per SF <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >21.5 To 50 LB/LF, Deduct</i>	4,448.46 284.48 995.69 -489.47	671.11
05 12 23 00-0049	LB		Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF)	2.57	0.15
05 12 23 00-0050	LB		Structural Shapes, Galvanized Pipe Supports	3.13	0.15
05 12 23 00-0051			Built-Up Trusses <small>(05 12 23 00-0021)</small>		
05 12 23 00-0052	TON		Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up	4,771.08	232.85
05 12 23 00-0053	TON		>50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up	4,705.14	129.31
05 12 23 00-0054	TON		>100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up	4,184.61	68.46
05 12 23 00-0055	TON		>200 LF Span Average Weight 180 LB/LF Trusses, Built-up	4,069.42	64.73
05 12 23 00-0056			Masonry Plates, Filler Plates, Sole Plates And Anchor Straps <small>(05 12 23 00-0021)</small> Note: Includes shop fabrication, welds, drilling and shop primer.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0057	SF			1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	16.40	4.83
05 12 23 00-0058	SF			3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	24.60	7.23
05 12 23 00-0059	SF			1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	32.81	9.63
05 12 23 00-0060	SF			5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	41.01	12.04
05 12 23 00-0061	SF			3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	49.22	14.38
05 12 23 00-0062	SF			7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	57.42	16.86
05 12 23 00-0063	SF			1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	65.61	19.27
05 12 23 00-0064	SF			1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	73.82	21.68
05 12 23 00-0065	SF			1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	82.02	24.08
05 12 23 00-0066	SF			1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	90.22	26.49
05 12 23 00-0067	SF			1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	98.42	28.90
05 12 23 00-0068	SF			1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	106.62	31.31
05 12 23 00-0069	SF			1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	114.83	33.72
05 12 23 00-0070	SF			1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	123.03	36.13
05 12 23 00-0071	SF			2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	131.24	38.54
05 12 23 00-0072				Accessories For Steel (05 12 23)		
05 12 23 00-0073				Field Painting For Touch-Up Of Shop Prime Coat (05 12 23 00-0072)		
05 12 23 00-0074	SF			Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat.....	0.67	
05 12 23 00-0075				Connection And Stiffener Plates (05 12 23 00-0072)		
				Note: For field fabrication of additional structural metal connections.		
05 12 23 00-0076	TON			1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates.....	10,265.87	
05 12 23 00-0077	TON			3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates.....	8,758.79	
05 12 23 00-0078	TON			1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates.....	6,773.35	
05 12 23 00-0079	TON			5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates.....	6,773.35	
05 12 23 00-0080	TON			3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates.....	6,773.35	
05 12 23 00-0081	TON			1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates.....	6,773.35	
05 12 23 00-0082	TON			9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates.....	6,773.35	
05 12 23 00-0083	TON			5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates.....	6,773.35	
05 12 23 00-0084	TON			3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates.....	6,350.02	
05 12 23 00-0085	TON			7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates.....	6,350.02	
05 12 23 00-0086	TON			1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates.....	6,350.02	
05 12 23 00-0087				Spot Welding (05 12 23 00-0072)		
05 12 23 00-0088	EA			Up To 15 Spot Weldings, Welds Up To 1" Length Each.....	7.47	
				For Aluminum Welding, Add	1.14	
				For Stainless Steel Welding, Add	1.89	
05 12 23 00-0089	EA			>15 Spot Weldings, Welds Up To 1" Length Each.....	6.08	
				For Aluminum Welding, Add	1.09	
				For Stainless Steel Welding, Add	1.75	
05 12 23 00-0090				Field Welding (Seam And Stitch Welding) (05 12 23 00-0072)		
05 12 23 00-0091				Vertical Fillet Welds (05 12 23 00-0090)		
				Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 12 23 00-0092	LF			3/16" Vertical Fillet Weld.....	7.93	
				For Aluminum Welding, Add	1.34	
				For Stainless Steel Welding, Add	2.17	
				For Up To 25, Add	2.71	
				For >25 To 50, Add	1.93	
05 12 23 00-0093	LF			1/4" Vertical Fillet Weld.....	11.89	
				For Aluminum Welding, Add	2.01	
				For Stainless Steel Welding, Add	3.26	
				For Up To 25, Add	4.07	
				For >25 To 50, Add	2.90	
05 12 23 00-0094	LF			5/16" Vertical Fillet Weld.....	15.86	
				For Aluminum Welding, Add	2.69	
				For Stainless Steel Welding, Add	4.36	
				For Up To 25, Add	5.42	
				For >25 To 50, Add	3.86	
05 12 23 00-0095	LF			3/8" Vertical Fillet Weld.....	19.82	
				For Aluminum Welding, Add	3.36	
				For Stainless Steel Welding, Add	5.44	
				For Up To 25, Add	6.78	
				For >25 To 50, Add	4.83	
05 12 23 00-0096	LF			7/16" Vertical Fillet Weld.....	23.51	
				For Aluminum Welding, Add	3.83	
				For Stainless Steel Welding, Add	6.25	
				For Up To 25, Add	8.10	
				For >25 To 50, Add	5.78	
05 12 23 00-0097	LF			1/2" Vertical Fillet Weld.....	27.45	
				For Aluminum Welding, Add	4.65	
				For Stainless Steel Welding, Add	7.53	
				For Up To 25, Add	9.39	
				For >25 To 50, Add	6.68	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0098	LF		9/16" Vertical Fillet Weld.....	32.19	
			<i>For Aluminum Welding, Add</i>	5.31	
			<i>For Stainless Steel Welding, Add</i>	8.65	
			<i>For Up To 25, Add</i>	11.07	
			<i>For >25 To 50, Add</i>	7.89	
05 12 23 00-0099	LF		5/8" Vertical Fillet Weld.....	35.47	
			<i>For Aluminum Welding, Add</i>	5.88	
			<i>For Stainless Steel Welding, Add</i>	9.57	
			<i>For Up To 25, Add</i>	12.18	
			<i>For >25 To 50, Add</i>	8.68	
05 12 23 00-0100	LF		3/4" Vertical Fillet Weld.....	48.79	
			<i>For Aluminum Welding, Add</i>	8.29	
			<i>For Stainless Steel Welding, Add</i>	13.41	
			<i>For Up To 25, Add</i>	16.67	
			<i>For >25 To 50, Add</i>	11.87	
05 12 23 00-0101			Horizontal Or Flat Fillet Welds <small>(05 12 23 00-0090)</small>		
			Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 12 23 00-0102	LF		1/8" Horizontal Or Flat Fillet Weld.....	4.52	
			<i>For Aluminum Welding, Add</i>	0.80	
			<i>For Stainless Steel Welding, Add</i>	1.28	
			<i>For Up To 25, Add</i>	1.53	
			<i>For >25 To 50, Add</i>	1.09	
05 12 23 00-0103	LF		3/16" Horizontal Or Flat Fillet Weld.....	6.03	
			<i>For Aluminum Welding, Add</i>	1.07	
			<i>For Stainless Steel Welding, Add</i>	1.71	
			<i>For Up To 25, Add</i>	2.04	
			<i>For >25 To 50, Add</i>	1.45	
05 12 23 00-0104	LF		1/4" Horizontal Or Flat Fillet Weld.....	9.03	
			<i>For Aluminum Welding, Add</i>	1.59	
			<i>For Stainless Steel Welding, Add</i>	2.56	
			<i>For Up To 25, Add</i>	3.06	
			<i>For >25 To 50, Add</i>	2.18	
05 12 23 00-0105	LF		5/16" Horizontal Or Flat Fillet Weld.....	12.05	
			<i>For Aluminum Welding, Add</i>	2.13	
			<i>For Stainless Steel Welding, Add</i>	3.42	
			<i>For Up To 25, Add</i>	4.08	
			<i>For >25 To 50, Add</i>	2.90	
05 12 23 00-0106	LF		3/8" Horizontal Or Flat Fillet Weld.....	15.05	
			<i>For Aluminum Welding, Add</i>	2.65	
			<i>For Stainless Steel Welding, Add</i>	4.26	
			<i>For Up To 25, Add</i>	5.10	
			<i>For >25 To 50, Add</i>	3.63	
05 12 23 00-0107	LF		7/16" Horizontal Or Flat Fillet Weld.....	17.36	
			<i>For Aluminum Welding, Add</i>	2.92	
			<i>For Stainless Steel Welding, Add</i>	4.74	
			<i>For Up To 25, Add</i>	5.94	
			<i>For >25 To 50, Add</i>	4.23	
05 12 23 00-0108	LF		1/2" Horizontal Or Flat Fillet Weld.....	21.25	
			<i>For Aluminum Welding, Add</i>	3.75	
			<i>For Stainless Steel Welding, Add</i>	6.01	
			<i>For Up To 25, Add</i>	7.21	
			<i>For >25 To 50, Add</i>	5.13	
05 12 23 00-0109	LF		9/16" Horizontal Or Flat Fillet Weld.....	23.86	
			<i>For Aluminum Welding, Add</i>	4.09	
			<i>For Stainless Steel Welding, Add</i>	6.60	
			<i>For Up To 25, Add</i>	8.14	
			<i>For >25 To 50, Add</i>	5.80	
05 12 23 00-0110	LF		5/8" Horizontal Or Flat Fillet Weld.....	28.68	
			<i>For Aluminum Welding, Add</i>	4.96	
			<i>For Stainless Steel Welding, Add</i>	8.00	
			<i>For Up To 25, Add</i>	9.76	
			<i>For >25 To 50, Add</i>	6.95	
05 12 23 00-0111	LF		3/4" Horizontal Or Flat Fillet Weld.....	36.23	
			<i>For Aluminum Welding, Add</i>	6.45	
			<i>For Stainless Steel Welding, Add</i>	10.33	
			<i>For Up To 25, Add</i>	12.26	
			<i>For >25 To 50, Add</i>	8.72	
05 12 23 00-0112	LF		7/8" Horizontal Or Flat Fillet Weld.....	54.64	
			<i>For Aluminum Welding, Add</i>	9.20	
			<i>For Stainless Steel Welding, Add</i>	14.92	
			<i>For Up To 25, Add</i>	18.70	
			<i>For >25 To 50, Add</i>	13.32	
05 12 23 00-0113	LF		1" Horizontal Or Flat Fillet Weld.....	72.23	
			<i>For Aluminum Welding, Add</i>	12.74	
			<i>For Stainless Steel Welding, Add</i>	20.44	
			<i>For Up To 25, Add</i>	24.49	
			<i>For >25 To 50, Add</i>	17.42	
05 12 23 00-0114			Cold Galvanizing <small>(05 12 23 00-0072)</small>		
05 12 23 00-0115	SF		Brush Applied Cold Galvanizing.....	1.05	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0116 Metal Grinding <small>(05 12 23 00-0072)</small> Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
05 12 23 00-0117 SI Metal Grinding Up To 1/32" Thickness To Be Removed..... Note: Includes rust or scale removal on metal and smoothing surface.	0.60	
05 12 23 00-0118 Lightweight Framing Steel Shapes <small>(05 12 23)</small>		
05 12 23 00-0119 Angle Iron - L <small>(05 12 23 00-0118)</small>		
05 12 23 00-0120 1/8" Thick <small>(05 12 23 00-0119)</small>		
05 12 23 00-0121 LF 1/2" x 1/2" x 1/8" Angle Iron..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Galvanized Steel, Add For 304 Stainless Steel, Add For High Strength Steel (HSS), Add	1.68 -0.11 -0.15 -0.23 -0.30 0.17 0.77 0.34	1.06
05 12 23 00-0122 LF 3/4" x 1/2" x 1/8" Angle Iron..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Galvanized Steel, Add For 304 Stainless Steel, Add For High Strength Steel (HSS), Add	1.93 -0.12 -0.17 -0.26 -0.34 0.21 0.97 0.39	1.20
05 12 23 00-0123 LF 3/4" x 3/4" x 1/8" Angle Iron..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Galvanized Steel, Add For 304 Stainless Steel, Add For High Strength Steel (HSS), Add	2.18 -0.13 -0.19 -0.29 -0.38 0.26 1.20 0.44	1.32
05 12 23 00-0124 LF 1" x 3/4" x 1/8" Angle Iron..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Galvanized Steel, Add For 304 Stainless Steel, Add For High Strength Steel (HSS), Add	2.45 -0.15 -0.21 -0.32 -0.43 0.30 1.40 0.49	1.47
05 12 23 00-0125 LF 1" x 1" x 1/8" Angle Iron..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Galvanized Steel, Add For 304 Stainless Steel, Add For High Strength Steel (HSS), Add	2.69 -0.16 -0.23 -0.35 -0.47 0.35 1.62 0.54	1.58
05 12 23 00-0126 LF 1-1/4" x 1-1/4" x 1/8" Angle Iron..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Galvanized Steel, Add For 304 Stainless Steel, Add For High Strength Steel (HSS), Add	3.21 -0.19 -0.27 -0.41 -0.55 0.45 2.05 0.64	1.87
05 12 23 00-0127 LF 1-1/2" x 1" x 1/8" Angle Iron..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Galvanized Steel, Add For 304 Stainless Steel, Add For High Strength Steel (HSS), Add	3.21 -0.19 -0.27 -0.41 -0.55 0.45 2.05 0.64	1.87
05 12 23 00-0128 LF 1-1/2" x 1-1/2" x 1/8" Angle Iron..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Galvanized Steel, Add For 304 Stainless Steel, Add For High Strength Steel (HSS), Add	3.84 -0.22 -0.32 -0.49 -0.66 0.54 2.48 0.77	2.24
05 12 23 00-0129 LF 2" x 2" x 1/8" Angle Iron..... For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Galvanized Steel, Add For 304 Stainless Steel, Add For High Strength Steel (HSS), Add	5.23 -0.30 -0.43 -0.67 -0.90 0.73 3.36 1.05	3.04

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0130			3/16" Thick <small>(05 12 23 00-0119)</small>		
05 12 23 00-0131	LF		1-1/4" x 1-1/4" x 3/16" Angle Iron.....	3.68	1.98
			<i>For >100 To 250, Deduct</i>	-0.20	
			<i>For >250 To 500, Deduct</i>	-0.29	
			<i>For >500 To 1,000, Deduct</i>	-0.45	
			<i>For >1,000, Deduct</i>	-0.60	
			<i>For Galvanized Steel, Add</i>	0.65	
			<i>For 304 Stainless Steel, Add</i>	2.99	
			<i>For High Strength Steel (HSS), Add</i>	0.74	
05 12 23 00-0132	LF		1-1/2" x 1" x 3/16" Angle Iron.....	3.68	1.98
			<i>For >100 To 250, Deduct</i>	-0.20	
			<i>For >250 To 500, Deduct</i>	-0.29	
			<i>For >500 To 1,000, Deduct</i>	-0.45	
			<i>For >1,000, Deduct</i>	-0.60	
			<i>For Galvanized Steel, Add</i>	0.65	
			<i>For 304 Stainless Steel, Add</i>	2.99	
			<i>For High Strength Steel (HSS), Add</i>	0.74	
05 12 23 00-0133	LF		1-1/2" x 1-1/2" x 3/16" Angle Iron.....	4.10	2.12
			<i>For >100 To 250, Deduct</i>	-0.21	
			<i>For >250 To 500, Deduct</i>	-0.31	
			<i>For >500 To 1,000, Deduct</i>	-0.49	
			<i>For >1,000, Deduct</i>	-0.66	
			<i>For Galvanized Steel, Add</i>	0.79	
			<i>For 304 Stainless Steel, Add</i>	3.65	
			<i>For High Strength Steel (HSS), Add</i>	0.82	
05 12 23 00-0134	LF		2" x 2" x 3/16" Angle Iron.....	4.76	2.27
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.35	
			<i>For >500 To 1,000, Deduct</i>	-0.54	
			<i>For >1,000, Deduct</i>	-0.73	
			<i>For Galvanized Steel, Add</i>	1.08	
			<i>For 304 Stainless Steel, Add</i>	4.96	
			<i>For High Strength Steel (HSS), Add</i>	0.95	
05 12 23 00-0135	LF		2-1/2" x 2" x 3/16" Angle Iron.....	5.20	2.43
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.37	
			<i>For >500 To 1,000, Deduct</i>	-0.58	
			<i>For >1,000, Deduct</i>	-0.80	
			<i>For Galvanized Steel, Add</i>	1.22	
			<i>For 304 Stainless Steel, Add</i>	5.59	
			<i>For High Strength Steel (HSS), Add</i>	1.04	
05 12 23 00-0136	LF		2-1/2" x 2-1/2" x 3/16" Angle Iron.....	5.67	2.60
			<i>For >100 To 250, Deduct</i>	-0.26	
			<i>For >250 To 500, Deduct</i>	-0.40	
			<i>For >500 To 1,000, Deduct</i>	-0.63	
			<i>For >1,000, Deduct</i>	-0.86	
			<i>For Galvanized Steel, Add</i>	1.36	
			<i>For 304 Stainless Steel, Add</i>	6.27	
			<i>For High Strength Steel (HSS), Add</i>	1.13	
05 12 23 00-0137	LF		3" x 2" x 3/16" Angle Iron.....	5.66	2.60
			<i>For >100 To 250, Deduct</i>	-0.26	
			<i>For >250 To 500, Deduct</i>	-0.40	
			<i>For >500 To 1,000, Deduct</i>	-0.63	
			<i>For >1,000, Deduct</i>	-0.86	
			<i>For Galvanized Steel, Add</i>	1.36	
			<i>For 304 Stainless Steel, Add</i>	6.24	
			<i>For High Strength Steel (HSS), Add</i>	1.13	
05 12 23 00-0138	LF		3" x 2-1/2" x 3/16" Angle Iron.....	6.25	2.87
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.44	
			<i>For >500 To 1,000, Deduct</i>	-0.70	
			<i>For >1,000, Deduct</i>	-0.95	
			<i>For Galvanized Steel, Add</i>	1.50	
			<i>For 304 Stainless Steel, Add</i>	6.90	
			<i>For High Strength Steel (HSS), Add</i>	1.25	
05 12 23 00-0139	LF		3" x 3" x 3/16" Angle Iron.....	6.84	3.15
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.49	
			<i>For >500 To 1,000, Deduct</i>	-0.76	
			<i>For >1,000, Deduct</i>	-1.04	
			<i>For Galvanized Steel, Add</i>	1.64	
			<i>For 304 Stainless Steel, Add</i>	7.55	
			<i>For High Strength Steel (HSS), Add</i>	1.37	
05 12 23 00-0140			1/4" Thick <small>(05 12 23 00-0119)</small>		
05 12 23 00-0141	LF		1-1/2" x 1" x 1/4" Angle Iron.....	4.13	2.09
			<i>For >100 To 250, Deduct</i>	-0.21	
			<i>For >250 To 500, Deduct</i>	-0.31	
			<i>For >500 To 1,000, Deduct</i>	-0.48	
			<i>For >1,000, Deduct</i>	-0.66	
			<i>For Galvanized Steel, Add</i>	0.84	
			<i>For 304 Stainless Steel, Add</i>	3.85	
			<i>For High Strength Steel (HSS), Add</i>	0.83	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0142 LF 1-1/2" x 1-1/2" x 1/4" Angle Iron.....	4.62	2.23
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.34	
For >500 To 1,000, Deduct	-0.53	
For >1,000, Deduct	-0.72	
For Galvanized Steel, Add	1.02	
For 304 Stainless Steel, Add	4.70	
For High Strength Steel (HSS), Add	0.92	
05 12 23 00-0143 LF 2" x 2" x 1/4" Angle Iron.....	5.44	2.38
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.37	
For >500 To 1,000, Deduct	-0.59	
For >1,000, Deduct	-0.80	
For Galvanized Steel, Add	1.41	
For 304 Stainless Steel, Add	6.47	
For High Strength Steel (HSS), Add	1.09	
05 12 23 00-0144 LF 2-1/2" x 2" x 1/4" Angle Iron.....	6.09	2.63
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.42	
For >500 To 1,000, Deduct	-0.66	
For >1,000, Deduct	-0.90	
For Galvanized Steel, Add	1.60	
For 304 Stainless Steel, Add	7.35	
For High Strength Steel (HSS), Add	1.22	
05 12 23 00-0145 LF 2-1/2" x 2-1/2" x 1/4" Angle Iron.....	6.77	2.89
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.46	
For >500 To 1,000, Deduct	-0.72	
For >1,000, Deduct	-0.99	
For Galvanized Steel, Add	1.81	
For 304 Stainless Steel, Add	8.32	
For High Strength Steel (HSS), Add	1.35	
05 12 23 00-0146 LF 3" x 2" x 1/4" Angle Iron.....	6.77	2.89
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.46	
For >500 To 1,000, Deduct	-0.72	
For >1,000, Deduct	-0.99	
For Galvanized Steel, Add	1.81	
For 304 Stainless Steel, Add	8.32	
For High Strength Steel (HSS), Add	1.35	
05 12 23 00-0147 LF 3" x 2-1/2" x 1/4" Angle Iron.....	7.49	3.21
For >100 To 250, Deduct	-0.32	
For >250 To 500, Deduct	-0.51	
For >500 To 1,000, Deduct	-0.80	
For >1,000, Deduct	-1.10	
For Galvanized Steel, Add	1.99	
For 304 Stainless Steel, Add	9.15	
For High Strength Steel (HSS), Add	1.50	
05 12 23 00-0148 LF 3" x 3" x 1/4" Angle Iron.....	8.19	3.52
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.56	
For >500 To 1,000, Deduct	-0.88	
For >1,000, Deduct	-1.20	
For Galvanized Steel, Add	2.16	
For 304 Stainless Steel, Add	9.95	
For High Strength Steel (HSS), Add	1.64	
05 12 23 00-0149 LF 3-1/2" x 3" x 1/4" Angle Iron.....	8.89	3.79
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.60	
For >500 To 1,000, Deduct	-0.95	
For >1,000, Deduct	-1.30	
For Galvanized Steel, Add	2.38	
For 304 Stainless Steel, Add	10.94	
For High Strength Steel (HSS), Add	1.78	
05 12 23 00-0150 LF 3-1/2" x 3-1/2" x 1/4" Angle Iron.....	9.41	0.39
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.63	
For >500 To 1,000, Deduct	-1.00	
For >1,000, Deduct	-1.36	
For Galvanized Steel, Add	2.57	
For 304 Stainless Steel, Add	11.80	
For High Strength Steel (HSS), Add	1.88	
05 12 23 00-0151 LF 4" x 3" x 1/4" Angle Iron.....	9.41	3.95
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.63	
For >500 To 1,000, Deduct	-1.00	
For >1,000, Deduct	-1.36	
For Galvanized Steel, Add	2.57	
For 304 Stainless Steel, Add	11.80	
For High Strength Steel (HSS), Add	1.88	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0152	LF		4" x 3-1/2" x 1/4" Angle Iron	9.91	4.12
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500 To 1,000, Deduct</i>	-1.05	
			<i>For >1,000, Deduct</i>	-1.43	
			<i>For Galvanized Steel, Add</i>	2.73	
			<i>For 304 Stainless Steel, Add</i>	12.57	
			<i>For High Strength Steel (HSS), Add</i>	1.98	
05 12 23 00-0153	LF		4" x 4" x 1/4" Angle Iron	10.44	4.30
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.69	
			<i>For >500 To 1,000, Deduct</i>	-1.10	
			<i>For >1,000, Deduct</i>	-1.50	
			<i>For Galvanized Steel, Add</i>	2.92	
			<i>For 304 Stainless Steel, Add</i>	13.42	
			<i>For High Strength Steel (HSS), Add</i>	2.09	
05 12 23 00-0154	LF		5" x 3" x 1/4" Angle Iron	10.44	4.30
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.69	
			<i>For >500 To 1,000, Deduct</i>	-1.10	
			<i>For >1,000, Deduct</i>	-1.50	
			<i>For Galvanized Steel, Add</i>	2.92	
			<i>For 304 Stainless Steel, Add</i>	13.42	
			<i>For High Strength Steel (HSS), Add</i>	2.09	
05 12 23 00-0155	LF		5" x 3-1/2" x 1/4" Angle Iron	11.02	4.53
			<i>For >100 To 250, Deduct</i>	-0.45	
			<i>For >250 To 500, Deduct</i>	-0.73	
			<i>For >500 To 1,000, Deduct</i>	-1.16	
			<i>For >1,000, Deduct</i>	-1.58	
			<i>For Galvanized Steel, Add</i>	3.09	
			<i>For 304 Stainless Steel, Add</i>	14.19	
			<i>For High Strength Steel (HSS), Add</i>	2.20	
05 12 23 00-0156			5/16" Thick <small>(05 12 23 00-0119)</small>		
05 12 23 00-0157	LF		2-1/2" x 2" x 5/16" Angle Iron	7.29	3.07
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.49	
			<i>For >500 To 1,000, Deduct</i>	-0.77	
			<i>For >1,000, Deduct</i>	-1.06	
			<i>For Galvanized Steel, Add</i>	1.99	
			<i>For 304 Stainless Steel, Add</i>	9.15	
			<i>For High Strength Steel (HSS), Add</i>	1.46	
05 12 23 00-0158	LF		2-1/2" x 2-1/2" x 5/16" Angle Iron	7.90	3.25
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.52	
			<i>For >500 To 1,000, Deduct</i>	-0.83	
			<i>For >1,000, Deduct</i>	-1.13	
			<i>For Galvanized Steel, Add</i>	2.21	
			<i>For 304 Stainless Steel, Add</i>	10.17	
			<i>For High Strength Steel (HSS), Add</i>	1.58	
05 12 23 00-0159	LF		3" x 2" x 5/16" Angle Iron	7.90	3.25
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.52	
			<i>For >500 To 1,000, Deduct</i>	-0.83	
			<i>For >1,000, Deduct</i>	-1.13	
			<i>For Galvanized Steel, Add</i>	2.21	
			<i>For 304 Stainless Steel, Add</i>	10.17	
			<i>For High Strength Steel (HSS), Add</i>	1.58	
05 12 23 00-0160	LF		3" x 2-1/2" x 5/16" Angle Iron	8.75	3.56
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.58	
			<i>For >500 To 1,000, Deduct</i>	-0.91	
			<i>For >1,000, Deduct</i>	-1.25	
			<i>For Galvanized Steel, Add</i>	2.48	
			<i>For 304 Stainless Steel, Add</i>	11.40	
			<i>For High Strength Steel (HSS), Add</i>	1.75	
05 12 23 00-0161	LF		3" x 3" x 5/16" Angle Iron	9.51	3.87
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.62	
			<i>For >500 To 1,000, Deduct</i>	-0.99	
			<i>For >1,000, Deduct</i>	-1.36	
			<i>For Galvanized Steel, Add</i>	2.70	
			<i>For 304 Stainless Steel, Add</i>	12.40	
			<i>For High Strength Steel (HSS), Add</i>	1.90	
05 12 23 00-0162	LF		3-1/2" x 3" x 5/16" Angle Iron	10.13	4.06
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500 To 1,000, Deduct</i>	-1.05	
			<i>For >1,000, Deduct</i>	-1.44	
			<i>For Galvanized Steel, Add</i>	2.92	
			<i>For 304 Stainless Steel, Add</i>	13.42	
			<i>For High Strength Steel (HSS), Add</i>	2.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0163 LF 3-1/2" x 3-1/2" x 5/16" Angle Iron.....	10.81	4.27
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.70	
For >500 To 1,000, Deduct	-1.11	
For >1,000, Deduct	-1.52	
For Galvanized Steel, Add	3.17	
For 304 Stainless Steel, Add	14.59	
For High Strength Steel (HSS), Add	2.16	
05 12 23 00-0164 LF 4" x 3" x 5/16" Angle Iron.....	10.81	4.27
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.70	
For >500 To 1,000, Deduct	-1.11	
For >1,000, Deduct	-1.52	
For Galvanized Steel, Add	3.17	
For 304 Stainless Steel, Add	14.59	
For High Strength Steel (HSS), Add	2.16	
05 12 23 00-0165 LF 4" x 3-1/2" x 5/16" Angle Iron.....	11.49	4.51
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.74	
For >500 To 1,000, Deduct	-1.18	
For >1,000, Deduct	-1.61	
For Galvanized Steel, Add	3.40	
For 304 Stainless Steel, Add	15.62	
For High Strength Steel (HSS), Add	2.30	
05 12 23 00-0166 LF 4" x 4" x 5/16" Angle Iron.....	12.13	4.71
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-0.77	
For >500 To 1,000, Deduct	-1.23	
For >1,000, Deduct	-1.69	
For Galvanized Steel, Add	3.63	
For 304 Stainless Steel, Add	16.67	
For High Strength Steel (HSS), Add	2.43	
05 12 23 00-0167 LF 5" x 3" x 5/16" Angle Iron.....	12.13	4.71
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-0.77	
For >500 To 1,000, Deduct	-1.23	
For >1,000, Deduct	-1.69	
For Galvanized Steel, Add	3.63	
For 304 Stainless Steel, Add	16.67	
For High Strength Steel (HSS), Add	2.43	
05 12 23 00-0168 LF 5" x 3-1/2" x 5/16" Angle Iron.....	12.73	4.91
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.81	
For >500 To 1,000, Deduct	-1.29	
For >1,000, Deduct	-1.77	
For Galvanized Steel, Add	3.84	
For 304 Stainless Steel, Add	17.64	
For High Strength Steel (HSS), Add	2.55	
05 12 23 00-0169 LF 5" x 5" x 5/16" Angle Iron.....	14.17	5.11
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.87	
For >500 To 1,000, Deduct	-1.39	
For >1,000, Deduct	-1.92	
For Galvanized Steel, Add	4.56	
For 304 Stainless Steel, Add	20.95	
For High Strength Steel (HSS), Add	2.83	
05 12 23 00-0170 LF 6" x 3-1/2" x 5/16" Angle Iron.....	14.08	5.33
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.89	
For >500 To 1,000, Deduct	-1.42	
For >1,000, Deduct	-1.94	
For Galvanized Steel, Add	4.32	
For 304 Stainless Steel, Add	19.86	
For High Strength Steel (HSS), Add	2.82	
05 12 23 00-0171 3/8" Thick <small>(05 12 23 00-0119)</small>		
05 12 23 00-0172 LF 3" x 2" x 3/8" Angle Iron.....	8.73	3.40
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.56	
For >500 To 1,000, Deduct	-0.89	
For >1,000, Deduct	-1.22	
For Galvanized Steel, Add	2.60	
For 304 Stainless Steel, Add	11.97	
For High Strength Steel (HSS), Add	1.75	
05 12 23 00-0173 LF 3" x 2-1/2" x 3/8" Angle Iron.....	9.62	3.68
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.61	
For >500 To 1,000, Deduct	-0.97	
For >1,000, Deduct	-1.34	
For Galvanized Steel, Add	2.92	
For 304 Stainless Steel, Add	13.42	
For High Strength Steel (HSS), Add	1.92	

05	Metals
05 10	Structural Metal Framing
05 12	Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0174	LF		3" x 3" x 3/8" Angle Iron	10.40	3.96
			<i>For >100 To 250, Deduct</i>	-0.40	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500 To 1,000, Deduct</i>	-1.05	
			<i>For >1,000, Deduct</i>	-1.44	
			<i>For Galvanized Steel, Add</i>	3.17	
			<i>For 304 Stainless Steel, Add</i>	14.59	
			<i>For High Strength Steel (HSS), Add</i>	2.08	
05 12 23 00-0175	LF		3-1/2" x 3" x 3/8" Angle Iron	11.07	4.07
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500 To 1,000, Deduct</i>	-1.10	
			<i>For >1,000, Deduct</i>	-1.51	
			<i>For Galvanized Steel, Add</i>	3.50	
			<i>For 304 Stainless Steel, Add</i>	16.07	
			<i>For High Strength Steel (HSS), Add</i>	2.21	
05 12 23 00-0176	LF		3-1/2" x 3-1/2" x 3/8" Angle Iron	11.78	4.30
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500 To 1,000, Deduct</i>	-1.16	
			<i>For >1,000, Deduct</i>	-1.60	
			<i>For Galvanized Steel, Add</i>	3.75	
			<i>For 304 Stainless Steel, Add</i>	17.24	
			<i>For High Strength Steel (HSS), Add</i>	2.36	
05 12 23 00-0177	LF		4" x 3" x 3/8" Angle Iron	11.78	4.30
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500 To 1,000, Deduct</i>	-1.16	
			<i>For >1,000, Deduct</i>	-1.60	
			<i>For Galvanized Steel, Add</i>	3.75	
			<i>For 304 Stainless Steel, Add</i>	17.24	
			<i>For High Strength Steel (HSS), Add</i>	2.36	
05 12 23 00-0178	LF		4" x 3-1/2" x 3/8" Angle Iron	12.72	4.68
			<i>For >100 To 250, Deduct</i>	-0.47	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500 To 1,000, Deduct</i>	-1.26	
			<i>For >1,000, Deduct</i>	-1.73	
			<i>For Galvanized Steel, Add</i>	4.02	
			<i>For 304 Stainless Steel, Add</i>	18.47	
			<i>For High Strength Steel (HSS), Add</i>	2.54	
05 12 23 00-0179	LF		4" x 4" x 3/8" Angle Iron	13.39	4.82
			<i>For >100 To 250, Deduct</i>	-0.48	
			<i>For >250 To 500, Deduct</i>	-0.82	
			<i>For >500 To 1,000, Deduct</i>	-1.31	
			<i>For >1,000, Deduct</i>	-1.81	
			<i>For Galvanized Steel, Add</i>	4.32	
			<i>For 304 Stainless Steel, Add</i>	19.86	
			<i>For High Strength Steel (HSS), Add</i>	2.68	
05 12 23 00-0180	LF		5" x 3" x 3/8" Angle Iron	13.65	5.01
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500 To 1,000, Deduct</i>	-1.35	
			<i>For >1,000, Deduct</i>	-1.86	
			<i>For Galvanized Steel, Add</i>	4.32	
			<i>For 304 Stainless Steel, Add</i>	19.86	
			<i>For High Strength Steel (HSS), Add</i>	2.73	
05 12 23 00-0181	LF		5" x 3-1/2" x 3/8" Angle Iron	14.60	5.39
			<i>For >100 To 250, Deduct</i>	-0.54	
			<i>For >250 To 500, Deduct</i>	-0.91	
			<i>For >500 To 1,000, Deduct</i>	-1.45	
			<i>For >1,000, Deduct</i>	-2.00	
			<i>For Galvanized Steel, Add</i>	4.59	
			<i>For 304 Stainless Steel, Add</i>	21.09	
			<i>For High Strength Steel (HSS), Add</i>	2.92	
05 12 23 00-0182	LF		5" x 5" x 3/8" Angle Iron	17.17	6.29
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-1.06	
			<i>For >500 To 1,000, Deduct</i>	-1.70	
			<i>For >1,000, Deduct</i>	-2.34	
			<i>For Galvanized Steel, Add</i>	5.44	
			<i>For 304 Stainless Steel, Add</i>	25.02	
			<i>For High Strength Steel (HSS), Add</i>	3.43	
05 12 23 00-0183	LF		6" x 3-1/2" x 3/8" Angle Iron	16.12	5.85
			<i>For >100 To 250, Deduct</i>	-0.58	
			<i>For >250 To 500, Deduct</i>	-0.99	
			<i>For >500 To 1,000, Deduct</i>	-1.59	
			<i>For >1,000, Deduct</i>	-2.18	
			<i>For Galvanized Steel, Add</i>	5.16	
			<i>For 304 Stainless Steel, Add</i>	23.74	
			<i>For High Strength Steel (HSS), Add</i>	3.22	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0184	LF		6" x 4" x 3/8" Angle Iron 17.17		6.29
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-1.06	
			<i>For >500 To 1,000, Deduct</i>	-1.70	
			<i>For >1,000, Deduct</i>	-2.34	
			<i>For Galvanized Steel, Add</i>	5.44	
			<i>For 304 Stainless Steel, Add</i>	25.02	
			<i>For High Strength Steel (HSS), Add</i>	3.43	
05 12 23 00-0185	LF		6" x 6" x 3/8" Angle Iron 20.69		7.55
			<i>For >100 To 250, Deduct</i>	-0.75	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500 To 1,000, Deduct</i>	-2.04	
			<i>For >1,000, Deduct</i>	-2.81	
			<i>For Galvanized Steel, Add</i>	6.59	
			<i>For 304 Stainless Steel, Add</i>	30.30	
			<i>For High Strength Steel (HSS), Add</i>	4.14	
05 12 23 00-0186	LF		7" x 4" x 3/8" Angle Iron 18.93		6.92
			<i>For >100 To 250, Deduct</i>	-0.69	
			<i>For >250 To 500, Deduct</i>	-1.17	
			<i>For >500 To 1,000, Deduct</i>	-1.87	
			<i>For >1,000, Deduct</i>	-2.57	
			<i>For Galvanized Steel, Add</i>	6.01	
			<i>For 304 Stainless Steel, Add</i>	27.65	
			<i>For High Strength Steel (HSS), Add</i>	3.79	
05 12 23 00-0187			1/2" Thick <small>(05 12 23 00-0119)</small>		
05 12 23 00-0188	LF		3" x 3" x 1/2" Angle Iron 12.11		4.05
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.71	
			<i>For >500 To 1,000, Deduct</i>	-1.15	
			<i>For >1,000, Deduct</i>	-1.58	
			<i>For Galvanized Steel, Add</i>	4.16	
			<i>For 304 Stainless Steel, Add</i>	19.12	
			<i>For High Strength Steel (HSS), Add</i>	2.42	
05 12 23 00-0189	LF		4" x 3" x 1/2" Angle Iron 14.29		4.78
			<i>For >100 To 250, Deduct</i>	-0.48	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500 To 1,000, Deduct</i>	-1.35	
			<i>For >1,000, Deduct</i>	-1.87	
			<i>For Galvanized Steel, Add</i>	4.91	
			<i>For 304 Stainless Steel, Add</i>	22.57	
			<i>For High Strength Steel (HSS), Add</i>	2.86	
05 12 23 00-0190	LF		4" x 3-1/2" x 1/2" Angle Iron 15.33		5.12
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-0.90	
			<i>For >500 To 1,000, Deduct</i>	-1.45	
			<i>For >1,000, Deduct</i>	-2.00	
			<i>For Galvanized Steel, Add</i>	5.26	
			<i>For 304 Stainless Steel, Add</i>	24.20	
			<i>For High Strength Steel (HSS), Add</i>	3.07	
05 12 23 00-0191	LF		4" x 4" x 1/2" Angle Iron 16.48		5.52
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500 To 1,000, Deduct</i>	-1.56	
			<i>For >1,000, Deduct</i>	-2.15	
			<i>For Galvanized Steel, Add</i>	5.66	
			<i>For 304 Stainless Steel, Add</i>	26.02	
			<i>For High Strength Steel (HSS), Add</i>	3.30	
05 12 23 00-0192	LF		5" x 3" x 1/2" Angle Iron 16.48		5.52
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500 To 1,000, Deduct</i>	-1.56	
			<i>For >1,000, Deduct</i>	-2.15	
			<i>For Galvanized Steel, Add</i>	5.66	
			<i>For 304 Stainless Steel, Add</i>	26.02	
			<i>For High Strength Steel (HSS), Add</i>	3.30	
05 12 23 00-0193	LF		5" x 3-1/2" x 1/2" Angle Iron 17.51		5.86
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-1.02	
			<i>For >500 To 1,000, Deduct</i>	-1.66	
			<i>For >1,000, Deduct</i>	-2.29	
			<i>For Galvanized Steel, Add</i>	6.01	
			<i>For 304 Stainless Steel, Add</i>	27.65	
			<i>For High Strength Steel (HSS), Add</i>	3.50	
05 12 23 00-0194	LF		5" x 5" x 1/2" Angle Iron 20.87		6.98
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-1.22	
			<i>For >500 To 1,000, Deduct</i>	-1.97	
			<i>For >1,000, Deduct</i>	-2.73	
			<i>For Galvanized Steel, Add</i>	7.17	
			<i>For 304 Stainless Steel, Add</i>	32.95	
			<i>For High Strength Steel (HSS), Add</i>	4.17	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0195	LF		6" x 4" x 1/2" Angle Iron	20.87	6.98
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-1.22	
			<i>For >500 To 1,000, Deduct</i>	-1.97	
			<i>For >1,000, Deduct</i>	-2.73	
			<i>For Galvanized Steel, Add</i>	7.17	
			<i>For 304 Stainless Steel, Add</i>	32.95	
			<i>For High Strength Steel (HSS), Add</i>	4.17	
05 12 23 00-0196	LF		6" x 6" x 1/2" Angle Iron	25.24	8.44
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.48	
			<i>For >500 To 1,000, Deduct</i>	-2.39	
			<i>For >1,000, Deduct</i>	-3.30	
			<i>For Galvanized Steel, Add</i>	8.67	
			<i>For 304 Stainless Steel, Add</i>	39.84	
			<i>For High Strength Steel (HSS), Add</i>	5.05	
05 12 23 00-0197	LF		7" x 4" x 1/2" Angle Iron	23.06	7.71
			<i>For >100 To 250, Deduct</i>	-0.77	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500 To 1,000, Deduct</i>	-2.18	
			<i>For >1,000, Deduct</i>	-3.02	
			<i>For Galvanized Steel, Add</i>	7.92	
			<i>For 304 Stainless Steel, Add</i>	36.39	
			<i>For High Strength Steel (HSS), Add</i>	4.61	
05 12 23 00-0198	LF		8" x 4" x 1/2" Angle Iron	25.24	8.44
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.48	
			<i>For >500 To 1,000, Deduct</i>	-2.39	
			<i>For >1,000, Deduct</i>	-3.30	
			<i>For Galvanized Steel, Add</i>	8.67	
			<i>For 304 Stainless Steel, Add</i>	39.84	
			<i>For High Strength Steel (HSS), Add</i>	5.05	
05 12 23 00-0199	LF		8" x 6" x 1/2" Angle Iron	29.62	9.91
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500 To 1,000, Deduct</i>	-2.80	
			<i>For >1,000, Deduct</i>	-3.87	
			<i>For Galvanized Steel, Add</i>	10.17	
			<i>For 304 Stainless Steel, Add</i>	46.77	
			<i>For High Strength Steel (HSS), Add</i>	5.92	
05 12 23 00-0200	LF		8" x 8" x 1/2" Angle Iron	34.00	11.37
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.99	
			<i>For >500 To 1,000, Deduct</i>	-3.22	
			<i>For >1,000, Deduct</i>	-4.45	
			<i>For Galvanized Steel, Add</i>	11.67	
			<i>For 304 Stainless Steel, Add</i>	53.67	
			<i>For High Strength Steel (HSS), Add</i>	6.80	
05 12 23 00-0201			5/8" Thick (05 12 23 00-0119)		
05 12 23 00-0202	LF		4" x 4" x 5/8" Angle Iron	19.63	6.32
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-1.12	
			<i>For >500 To 1,000, Deduct</i>	-1.82	
			<i>For >1,000, Deduct</i>	-2.53	
			<i>For Galvanized Steel, Add</i>	6.94	
			<i>For High Strength Steel (HSS), Add</i>	3.93	
05 12 23 00-0203	LF		5" x 3-1/2" x 5/8" Angle Iron	21.00	6.77
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-1.20	
			<i>For >500 To 1,000, Deduct</i>	-1.95	
			<i>For >1,000, Deduct</i>	-2.70	
			<i>For Galvanized Steel, Add</i>	7.43	
			<i>For High Strength Steel (HSS), Add</i>	4.20	
05 12 23 00-0204	LF		5" x 5" x 5/8" Angle Iron	25.01	8.06
			<i>For >100 To 250, Deduct</i>	-0.81	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500 To 1,000, Deduct</i>	-2.32	
			<i>For >1,000, Deduct</i>	-3.22	
			<i>For Galvanized Steel, Add</i>	8.85	
			<i>For High Strength Steel (HSS), Add</i>	5.00	
05 12 23 00-0205	LF		6" x 4" x 5/8" Angle Iron	25.01	8.06
			<i>For >100 To 250, Deduct</i>	-0.81	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500 To 1,000, Deduct</i>	-2.32	
			<i>For >1,000, Deduct</i>	-3.22	
			<i>For Galvanized Steel, Add</i>	8.85	
			<i>For High Strength Steel (HSS), Add</i>	5.00	
05 12 23 00-0206	LF		6" x 6" x 5/8" Angle Iron	30.26	9.74
			<i>For >100 To 250, Deduct</i>	-0.97	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500 To 1,000, Deduct</i>	-2.81	
			<i>For >1,000, Deduct</i>	-3.89	
			<i>For Galvanized Steel, Add</i>	10.71	
			<i>For High Strength Steel (HSS), Add</i>	6.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0207 LF 7" x 4" x 5/8" Angle Iron	27.64	8.90
For >100 To 250, Deduct	-0.89	
For >250 To 500, Deduct	-1.58	
For >500 To 1,000, Deduct	-2.57	
For >1,000, Deduct	-3.56	
For Galvanized Steel, Add	9.78	
For High Strength Steel (HSS), Add	5.53	
05 12 23 00-0208 LF 8" x 6" x 5/8" Angle Iron	35.63	11.48
For >100 To 250, Deduct	-1.15	
For >250 To 500, Deduct	-2.04	
For >500 To 1,000, Deduct	-3.31	
For >1,000, Deduct	-4.58	
For Galvanized Steel, Add	12.60	
For High Strength Steel (HSS), Add	7.13	
05 12 23 00-0209 LF 8" x 8" x 5/8" Angle Iron	40.89	13.17
For >100 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-2.34	
For >500 To 1,000, Deduct	-3.80	
For >1,000, Deduct	-5.26	
For Galvanized Steel, Add	14.46	
For High Strength Steel (HSS), Add	8.18	
05 12 23 00-0210 3/4" Thick <small>(05 12 23 00-0119)</small>		
05 12 23 00-0211 LF 4" x 4" x 3/4" Angle Iron	22.52	6.99
For >100 To 250, Deduct	-0.70	
For >250 To 500, Deduct	-1.26	
For >500 To 1,000, Deduct	-2.06	
For >1,000, Deduct	-2.85	
For Galvanized Steel, Add	8.18	
For High Strength Steel (HSS), Add	4.50	
05 12 23 00-0212 LF 5" x 3-1/2" x 3/4" Angle Iron	24.08	7.47
For >100 To 250, Deduct	-0.75	
For >250 To 500, Deduct	-1.35	
For >500 To 1,000, Deduct	-2.20	
For >1,000, Deduct	-3.05	
For Galvanized Steel, Add	8.75	
For High Strength Steel (HSS), Add	4.82	
05 12 23 00-0213 LF 5" x 5" x 3/4" Angle Iron	28.72	8.91
For >100 To 250, Deduct	-0.89	
For >250 To 500, Deduct	-1.61	
For >500 To 1,000, Deduct	-2.62	
For >1,000, Deduct	-3.64	
For Galvanized Steel, Add	10.44	
For High Strength Steel (HSS), Add	5.74	
05 12 23 00-0214 LF 6" x 4" x 3/4" Angle Iron	28.72	8.91
For >100 To 250, Deduct	-0.89	
For >250 To 500, Deduct	-1.61	
For >500 To 1,000, Deduct	-2.62	
For >1,000, Deduct	-3.64	
For Galvanized Steel, Add	10.44	
For High Strength Steel (HSS), Add	5.74	
05 12 23 00-0215 LF 6" x 6" x 3/4" Angle Iron	34.92	10.83
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.96	
For >500 To 1,000, Deduct	-3.19	
For >1,000, Deduct	-4.43	
For Galvanized Steel, Add	12.69	
For High Strength Steel (HSS), Add	6.98	
05 12 23 00-0216 LF 7" x 4" x 3/4" Angle Iron	31.88	9.89
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.79	
For >500 To 1,000, Deduct	-2.91	
For >1,000, Deduct	-4.04	
For Galvanized Steel, Add	11.59	
For High Strength Steel (HSS), Add	6.38	
05 12 23 00-0217 LF 8" x 4" x 3/4" Angle Iron	34.92	10.83
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.96	
For >500 To 1,000, Deduct	-3.19	
For >1,000, Deduct	-4.43	
For Galvanized Steel, Add	12.69	
For High Strength Steel (HSS), Add	6.98	
05 12 23 00-0218 LF 8" x 6" x 3/4" Angle Iron	41.13	12.76
For >100 To 250, Deduct	-1.28	
For >250 To 500, Deduct	-2.30	
For >500 To 1,000, Deduct	-3.76	
For >1,000, Deduct	-5.21	
For Galvanized Steel, Add	14.95	
For High Strength Steel (HSS), Add	8.23	
05 12 23 00-0219 LF 8" x 8" x 3/4" Angle Iron	47.34	14.68
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-2.65	
For >500 To 1,000, Deduct	-4.33	
For >1,000, Deduct	-6.00	
For Galvanized Steel, Add	17.21	
For High Strength Steel (HSS), Add	9.47	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0220			7/8" Thick (05 12 23 00-0119)		
05 12 23 00-0221	LF		5" x 5" x 7/8" Angle Iron	32.18	9.58
			For >100 To 250, Deduct	-0.96	
			For >250 To 500, Deduct	-1.76	
			For >500 To 1,000, Deduct	-2.89	
			For >1,000, Deduct	-4.01	
			For Galvanized Steel, Add	12.03	
			For High Strength Steel (HSS), Add	6.44	
05 12 23 00-0222	LF		6" x 4" x 7/8" Angle Iron	32.18	9.58
			For >100 To 250, Deduct	-0.96	
			For >250 To 500, Deduct	-1.76	
			For >500 To 1,000, Deduct	-2.89	
			For >1,000, Deduct	-4.01	
			For Galvanized Steel, Add	12.03	
			For High Strength Steel (HSS), Add	6.44	
05 12 23 00-0223	LF		6" x 6" x 7/8" Angle Iron	39.17	11.67
			For >100 To 250, Deduct	-1.17	
			For >250 To 500, Deduct	-2.15	
			For >500 To 1,000, Deduct	-3.51	
			For >1,000, Deduct	-4.88	
			For Galvanized Steel, Add	14.64	
			For High Strength Steel (HSS), Add	7.83	
05 12 23 00-0224	LF		8" x 6" x 7/8" Angle Iron	46.27	13.77
			For >100 To 250, Deduct	-1.38	
			For >250 To 500, Deduct	-2.53	
			For >500 To 1,000, Deduct	-4.15	
			For >1,000, Deduct	-5.77	
			For Galvanized Steel, Add	17.30	
			For High Strength Steel (HSS), Add	9.25	
05 12 23 00-0225	LF		8" x 8" x 7/8" Angle Iron	53.24	15.86
			For >100 To 250, Deduct	-1.59	
			For >250 To 500, Deduct	-2.92	
			For >500 To 1,000, Deduct	-4.78	
			For >1,000, Deduct	-6.64	
			For Galvanized Steel, Add	19.90	
			For High Strength Steel (HSS), Add	10.65	
05 12 23 00-0226			Bar Channel (05 12 23 00-0118)		
05 12 23 00-0227	LF		1" x 1/2" x 1/8" Thick Bar Channel	2.90	
			For 316 Stainless Steel, Add	2.50	
			For Aluminum, Add	0.14	
			For Galvanized Steel, Add	0.48	
			For 304 Stainless Steel, Add	2.22	
			For High Strength Steel (HSS), Add	0.58	
05 12 23 00-0228	LF		1-1/4" x 1/2" x 1/8" Thick Bar Channel	3.23	
			For 316 Stainless Steel, Add	2.98	
			For Aluminum, Add	0.17	
			For Galvanized Steel, Add	0.58	
			For 304 Stainless Steel, Add	2.65	
			For High Strength Steel (HSS), Add	0.65	
05 12 23 00-0229	LF		1-1/2" x 1/2" x 1/8" Thick Bar Channel	3.52	
			For 316 Stainless Steel, Add	3.30	
			For Aluminum, Add	0.19	
			For Galvanized Steel, Add	0.64	
			For 304 Stainless Steel, Add	2.94	
			For High Strength Steel (HSS), Add	0.70	
05 12 23 00-0230	LF		1-1/2" x 3/4" x 1/8" Thick Bar Channel	4.04	
			For 316 Stainless Steel, Add	3.42	
			For Aluminum, Add	0.19	
			For Galvanized Steel, Add	0.66	
			For 304 Stainless Steel, Add	3.05	
			For High Strength Steel (HSS), Add	0.81	
05 12 23 00-0231	LF		2" x 1/2" x 1/8" Thick Bar Channel	4.28	
			For 316 Stainless Steel, Add	4.19	
			For Aluminum, Add	0.24	
			For Galvanized Steel, Add	0.81	
			For 304 Stainless Steel, Add	3.73	
05 12 23 00-0232	LF		2" x 1" x 1/8" Thick Bar Channel	5.73	
			For 316 Stainless Steel, Add	4.70	
			For Aluminum, Add	0.26	
			For Galvanized Steel, Add	0.91	
			For 304 Stainless Steel, Add	4.19	
05 12 23 00-0233			Channels - C (05 12 23 00-0118)		



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0234 LF C2 x 1.78 - 2" Wide Channel	4.75	2.62
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.38	
For >500 To 1,000, Deduct	-0.59	
For >1,000, Deduct	-0.79	
For 316 Stainless Steel, Add	4.00	
For Aluminum, Add	0.23	
For Galvanized Steel, Add	0.78	
For 304 Stainless Steel, Add	3.56	
05 12 23 00-0235 LF C3 x 4.1 - 3" Wide Channel	7.95	3.77
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.58	
For >500 To 1,000, Deduct	-0.90	
For >1,000, Deduct	-1.23	
For 316 Stainless Steel, Add	9.34	
For Aluminum, Add	0.53	
For Galvanized Steel, Add	1.81	
For 304 Stainless Steel, Add	8.32	
05 12 23 00-0236 LF C3 x 5 - 3" Wide Channel	9.71	4.61
For >100 To 250, Deduct	-0.46	
For >250 To 500, Deduct	-0.70	
For >500 To 1,000, Deduct	-1.10	
For >1,000, Deduct	-1.50	
For 316 Stainless Steel, Add	11.42	
For Aluminum, Add	0.64	
For Galvanized Steel, Add	2.21	
For 304 Stainless Steel, Add	10.17	
05 12 23 00-0237 LF C3 x 6 - 3" Wide Channel	11.65	5.53
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.84	
For >500 To 1,000, Deduct	-1.32	
For >1,000, Deduct	-1.80	
For 316 Stainless Steel, Add	13.70	
For Aluminum, Add	0.77	
For Galvanized Steel, Add	2.65	
For 304 Stainless Steel, Add	12.20	
05 12 23 00-0238 LF C4 x 5.4 - 4" Wide Channel	9.89	4.53
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.70	
For >500 To 1,000, Deduct	-1.10	
For >1,000, Deduct	-1.50	
For 316 Stainless Steel, Add	12.32	
For Aluminum, Add	0.69	
For Galvanized Steel, Add	2.39	
For 304 Stainless Steel, Add	10.97	
05 12 23 00-0239 LF C4 x 7.25 - 4" Wide Channel	13.28	6.08
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-0.94	
For >500 To 1,000, Deduct	-1.48	
For >1,000, Deduct	-2.01	
For 316 Stainless Steel, Add	16.54	
For Aluminum, Add	0.93	
For Galvanized Steel, Add	3.21	
For 304 Stainless Steel, Add	14.73	
05 12 23 00-0240 LF C5 x 6.7 - 5" Wide Channel	11.83	5.28
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.82	
For >500 To 1,000, Deduct	-1.30	
For >1,000, Deduct	-1.77	
For 316 Stainless Steel, Add	15.30	
For Aluminum, Add	0.86	
For Galvanized Steel, Add	2.96	
For 304 Stainless Steel, Add	13.62	
05 12 23 00-0241 LF C5 x 9 - 5" Wide Channel	15.88	7.10
For >100 To 250, Deduct	-0.71	
For >250 To 500, Deduct	-1.11	
For >500 To 1,000, Deduct	-1.74	
For >1,000, Deduct	-2.37	
For 316 Stainless Steel, Add	20.54	
For Aluminum, Add	1.16	
For Galvanized Steel, Add	3.98	
For 304 Stainless Steel, Add	18.30	
05 12 23 00-0242 LF C6 x 8.2 - 6" Wide Channel	14.31	6.34
For >100 To 250, Deduct	-0.63	
For >250 To 500, Deduct	-0.99	
For >500 To 1,000, Deduct	-1.56	
For >1,000, Deduct	-2.13	
For 316 Stainless Steel, Add	18.72	
For Aluminum, Add	1.05	
For Galvanized Steel, Add	3.63	
For 304 Stainless Steel, Add	16.67	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0243	LF		C6 x 10.5 - 6" Wide Channel.....	18.32	8.12
			<i>For >100 To 250, Deduct</i>	-0.81	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500 To 1,000, Deduct</i>	-2.00	
			<i>For >1,000, Deduct</i>	-2.73	
			<i>For 316 Stainless Steel, Add</i>	23.97	
			<i>For Aluminum, Add</i>	1.35	
			<i>For Galvanized Steel, Add</i>	4.64	
			<i>For 304 Stainless Steel, Add</i>	21.35	
05 12 23 00-0244	LF		C6 x 13 - 6" Wide Channel.....	22.68	10.05
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500 To 1,000, Deduct</i>	-2.48	
			<i>For >1,000, Deduct</i>	-3.38	
			<i>For 316 Stainless Steel, Add</i>	29.66	
			<i>For Aluminum, Add</i>	1.67	
			<i>For Galvanized Steel, Add</i>	5.75	
			<i>For 304 Stainless Steel, Add</i>	26.42	
05 12 23 00-0245	LF		C7 x 9.8 - 7" Wide Channel.....	17.05	7.55
			<i>For >100 To 250, Deduct</i>	-0.75	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500 To 1,000, Deduct</i>	-1.86	
			<i>For >1,000, Deduct</i>	-2.54	
			<i>For 316 Stainless Steel, Add</i>	22.37	
			<i>For Aluminum, Add</i>	1.26	
			<i>For Galvanized Steel, Add</i>	4.33	
			<i>For 304 Stainless Steel, Add</i>	19.92	
05 12 23 00-0246	LF		C7 x 12.25 - 7" Wide Channel.....	21.32	9.44
			<i>For >100 To 250, Deduct</i>	-0.94	
			<i>For >250 To 500, Deduct</i>	-1.48	
			<i>For >500 To 1,000, Deduct</i>	-2.32	
			<i>For >1,000, Deduct</i>	-3.17	
			<i>For 316 Stainless Steel, Add</i>	27.97	
			<i>For Aluminum, Add</i>	1.57	
			<i>For Galvanized Steel, Add</i>	5.42	
			<i>For 304 Stainless Steel, Add</i>	24.91	
05 12 23 00-0247	LF		C7 x 14.75 - 7" Wide Channel.....	25.68	11.36
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500 To 1,000, Deduct</i>	-2.80	
			<i>For >1,000, Deduct</i>	-3.82	
			<i>For 316 Stainless Steel, Add</i>	33.66	
			<i>For Aluminum, Add</i>	1.89	
			<i>For Galvanized Steel, Add</i>	6.52	
			<i>For 304 Stainless Steel, Add</i>	29.98	
05 12 23 00-0248	LF		C8 x 11.5 - 8" Wide Channel.....	19.27	8.31
			<i>For >100 To 250, Deduct</i>	-0.83	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500 To 1,000, Deduct</i>	-2.07	
			<i>For >1,000, Deduct</i>	-2.83	
			<i>For 316 Stainless Steel, Add</i>	26.24	
			<i>For Aluminum, Add</i>	1.48	
			<i>For Galvanized Steel, Add</i>	5.08	
			<i>For 304 Stainless Steel, Add</i>	23.37	
05 12 23 00-0249	LF		C8 x 13.75 - 8" Wide Channel.....	23.05	9.93
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500 To 1,000, Deduct</i>	-2.48	
			<i>For >1,000, Deduct</i>	-3.38	
			<i>For 316 Stainless Steel, Add</i>	31.39	
			<i>For Aluminum, Add</i>	1.77	
			<i>For Galvanized Steel, Add</i>	6.08	
			<i>For 304 Stainless Steel, Add</i>	27.96	
05 12 23 00-0250	LF		C8 x 18.75 - 8" Wide Channel.....	31.43	13.54
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500 To 1,000, Deduct</i>	-3.38	
			<i>For >1,000, Deduct</i>	-4.61	
			<i>For 316 Stainless Steel, Add</i>	42.82	
			<i>For Aluminum, Add</i>	2.41	
			<i>For Galvanized Steel, Add</i>	8.30	
			<i>For 304 Stainless Steel, Add</i>	38.13	
05 12 23 00-0251	LF		C9 x 13.4 - 9" Wide Channel.....	22.47	9.68
			<i>For >100 To 250, Deduct</i>	-0.97	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500 To 1,000, Deduct</i>	-2.41	
			<i>For >1,000, Deduct</i>	-3.30	
			<i>For 316 Stainless Steel, Add</i>	30.59	
			<i>For Aluminum, Add</i>	1.72	
			<i>For Galvanized Steel, Add</i>	5.93	
			<i>For 304 Stainless Steel, Add</i>	27.25	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0252 LF C9 x 15 - 9" Wide Channel	25.14	10.83
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.71	
For >500 To 1,000, Deduct	-2.70	
For >1,000, Deduct	-3.69	
For 316 Stainless Steel, Add	34.24	
For Aluminum, Add	1.93	
For Galvanized Steel, Add	6.63	
For 304 Stainless Steel, Add	30.50	
05 12 23 00-0253 LF C9 x 20 - 9" Wide Channel	33.53	14.44
For >100 To 250, Deduct	-1.44	
For >250 To 500, Deduct	-2.28	
For >500 To 1,000, Deduct	-3.60	
For >1,000, Deduct	-4.92	
For 316 Stainless Steel, Add	45.66	
For Aluminum, Add	2.57	
For Galvanized Steel, Add	8.85	
For 304 Stainless Steel, Add	40.67	
05 12 23 00-0254 LF C10 x 15.3 - 10" Wide Channel	25.64	11.05
For >100 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.75	
For >500 To 1,000, Deduct	-2.76	
For >1,000, Deduct	-3.76	
For 316 Stainless Steel, Add	34.91	
For Aluminum, Add	1.96	
For Galvanized Steel, Add	6.76	
For 304 Stainless Steel, Add	31.09	
05 12 23 00-0255 LF C10 x 20 - 10" Wide Channel	33.53	14.44
For >100 To 250, Deduct	-1.44	
For >250 To 500, Deduct	-2.28	
For >500 To 1,000, Deduct	-3.60	
For >1,000, Deduct	-4.92	
For 316 Stainless Steel, Add	45.66	
For Aluminum, Add	2.57	
For Galvanized Steel, Add	8.85	
For 304 Stainless Steel, Add	40.67	
05 12 23 00-0256 LF C10 x 25 - 10" Wide Channel	41.90	18.05
For >100 To 250, Deduct	-1.81	
For >250 To 500, Deduct	-2.85	
For >500 To 1,000, Deduct	-4.50	
For >1,000, Deduct	-6.15	
For 316 Stainless Steel, Add	57.06	
For Aluminum, Add	3.21	
For Galvanized Steel, Add	11.05	
For 304 Stainless Steel, Add	50.82	
05 12 23 00-0257 LF C10 x 30 - 10" Wide Channel	50.29	21.66
For >100 To 250, Deduct	-2.17	
For >250 To 500, Deduct	-3.42	
For >500 To 1,000, Deduct	-5.40	
For >1,000, Deduct	-7.38	
For 316 Stainless Steel, Add	68.48	
For Aluminum, Add	3.85	
For Galvanized Steel, Add	13.27	
For 304 Stainless Steel, Add	60.99	
05 12 23 00-0258 LF C12 x 20.7 - 12" Wide Channel	34.71	14.95
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-2.36	
For >500 To 1,000, Deduct	-3.73	
For >1,000, Deduct	-5.10	
For 316 Stainless Steel, Add	47.26	
For Aluminum, Add	2.66	
For Galvanized Steel, Add	9.16	
For 304 Stainless Steel, Add	42.09	
05 12 23 00-0259 LF C12 x 25 - 12" Wide Channel	41.90	18.05
For >100 To 250, Deduct	-1.81	
For >250 To 500, Deduct	-2.85	
For >500 To 1,000, Deduct	-4.50	
For >1,000, Deduct	-6.15	
For 316 Stainless Steel, Add	57.06	
For Aluminum, Add	3.21	
For Galvanized Steel, Add	11.05	
For 304 Stainless Steel, Add	50.82	
05 12 23 00-0260 LF C12 x 30 - 12" Wide Channel	50.29	21.66
For >100 To 250, Deduct	-2.17	
For >250 To 500, Deduct	-3.42	
For >500 To 1,000, Deduct	-5.40	
For >1,000, Deduct	-7.38	
For 316 Stainless Steel, Add	68.48	
For Aluminum, Add	3.85	
For Galvanized Steel, Add	13.27	
For 304 Stainless Steel, Add	60.99	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0261	LF		C15 x 33.9 - 15" Wide Channel.....	56.82	24.48
			<i>For >100 To 250, Deduct</i>	-2.45	
			<i>For >250 To 500, Deduct</i>	-3.87	
			<i>For >500 To 1,000, Deduct</i>	-6.11	
			<i>For >1,000, Deduct</i>	-8.34	
			<i>For 316 Stainless Steel, Add</i>	77.38	
			<i>For Aluminum, Add</i>	4.35	
			<i>For Galvanized Steel, Add</i>	14.99	
			<i>For 304 Stainless Steel, Add</i>	68.91	
05 12 23 00-0262	LF		C15 x 40 - 15" Wide Channel.....	67.05	28.89
			<i>For >100 To 250, Deduct</i>	-2.89	
			<i>For >250 To 500, Deduct</i>	-4.57	
			<i>For >500 To 1,000, Deduct</i>	-7.20	
			<i>For >1,000, Deduct</i>	-9.84	
			<i>For 316 Stainless Steel, Add</i>	91.30	
			<i>For Aluminum, Add</i>	5.14	
			<i>For Galvanized Steel, Add</i>	17.69	
			<i>For 304 Stainless Steel, Add</i>	81.31	
05 12 23 00-0263	LF		C15 x 50 - 15" Wide Channel.....	83.82	36.11
			<i>For >100 To 250, Deduct</i>	-3.61	
			<i>For >250 To 500, Deduct</i>	-5.71	
			<i>For >500 To 1,000, Deduct</i>	-9.01	
			<i>For >1,000, Deduct</i>	-12.31	
			<i>For 316 Stainless Steel, Add</i>	114.14	
			<i>For Aluminum, Add</i>	6.42	
			<i>For Galvanized Steel, Add</i>	22.12	
			<i>For 304 Stainless Steel, Add</i>	101.66	
05 12 23 00-0264			Miscellaneous Channels - MC <small>(05 12 23 00-0118)</small>		
05 12 23 00-0265	LF		MC6 x 12 - 6" Wide Channel.....	20.93	9.28
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500 To 1,000, Deduct</i>	-2.28	
			<i>For >1,000, Deduct</i>	-3.12	
			<i>For 316 Stainless Steel, Add</i>	27.39	
			<i>For Aluminum, Add</i>	1.54	
			<i>For Galvanized Steel, Add</i>	5.31	
			<i>For 304 Stainless Steel, Add</i>	24.40	
05 12 23 00-0266	LF		MC6 x 15.1 - 6" Wide Channel.....	26.34	11.68
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500 To 1,000, Deduct</i>	-2.87	
			<i>For >1,000, Deduct</i>	-3.92	
			<i>For 316 Stainless Steel, Add</i>	34.46	
			<i>For Aluminum, Add</i>	1.94	
			<i>For Galvanized Steel, Add</i>	6.68	
			<i>For 304 Stainless Steel, Add</i>	30.69	
05 12 23 00-0267	LF		MC6 x 15.3 - 6" Wide Channel.....	26.69	11.83
			<i>For >100 To 250, Deduct</i>	-1.18	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500 To 1,000, Deduct</i>	-2.91	
			<i>For >1,000, Deduct</i>	-3.97	
			<i>For 316 Stainless Steel, Add</i>	34.91	
			<i>For Aluminum, Add</i>	1.96	
			<i>For Galvanized Steel, Add</i>	6.76	
			<i>For 304 Stainless Steel, Add</i>	31.09	
05 12 23 00-0268	LF		MC6 x 16.3 - 6" Wide Channel.....	28.44	12.60
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500 To 1,000, Deduct</i>	-3.10	
			<i>For >1,000, Deduct</i>	-4.23	
			<i>For 316 Stainless Steel, Add</i>	37.22	
			<i>For Aluminum, Add</i>	2.09	
			<i>For Galvanized Steel, Add</i>	7.21	
			<i>For 304 Stainless Steel, Add</i>	33.15	
05 12 23 00-0269	LF		MC6 x 18 - 6" Wide Channel.....	31.40	13.92
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500 To 1,000, Deduct</i>	-3.43	
			<i>For >1,000, Deduct</i>	-4.68	
			<i>For 316 Stainless Steel, Add</i>	41.09	
			<i>For Aluminum, Add</i>	2.31	
			<i>For Galvanized Steel, Add</i>	7.96	
			<i>For 304 Stainless Steel, Add</i>	36.59	
05 12 23 00-0270	LF		MC7 x 17.6 - 7" Wide Channel.....	30.63	13.56
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500 To 1,000, Deduct</i>	-3.34	
			<i>For >1,000, Deduct</i>	-4.56	
			<i>For 316 Stainless Steel, Add</i>	40.16	
			<i>For Aluminum, Add</i>	2.26	
			<i>For Galvanized Steel, Add</i>	7.78	
			<i>For 304 Stainless Steel, Add</i>	35.77	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0271 LF MC7 x 19.1 - 7" Wide Channel	33.24	14.72
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-2.30	
For >500 To 1,000, Deduct	-3.62	
For >1,000, Deduct	-4.95	
For 316 Stainless Steel, Add	43.58	
For Aluminum, Add	2.45	
For Galvanized Steel, Add	8.44	
For 304 Stainless Steel, Add	38.82	
05 12 23 00-0272 LF MC7 x 22.7 - 7" Wide Channel	39.51	17.48
For >100 To 250, Deduct	-1.75	
For >250 To 500, Deduct	-2.74	
For >500 To 1,000, Deduct	-4.31	
For >1,000, Deduct	-5.88	
For 316 Stainless Steel, Add	51.81	
For Aluminum, Add	2.91	
For Galvanized Steel, Add	10.04	
For 304 Stainless Steel, Add	46.14	
05 12 23 00-0273 LF MC8 x 8.5 - 8" Wide Channel	14.25	6.14
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-0.97	
For >500 To 1,000, Deduct	-1.53	
For >1,000, Deduct	-2.09	
For 316 Stainless Steel, Add	19.39	
For Aluminum, Add	1.09	
For Galvanized Steel, Add	3.76	
For 304 Stainless Steel, Add	17.27	
05 12 23 00-0274 LF MC8 x 18.7 - 8" Wide Channel	31.35	13.50
For >100 To 250, Deduct	-1.35	
For >250 To 500, Deduct	-2.13	
For >500 To 1,000, Deduct	-3.37	
For >1,000, Deduct	-4.60	
For 316 Stainless Steel, Add	42.69	
For Aluminum, Add	2.40	
For Galvanized Steel, Add	8.27	
For 304 Stainless Steel, Add	38.02	
05 12 23 00-0275 LF MC8 x 20 - 8" Wide Channel	33.53	14.44
For >100 To 250, Deduct	-1.44	
For >250 To 500, Deduct	-2.28	
For >500 To 1,000, Deduct	-3.60	
For >1,000, Deduct	-4.92	
For 316 Stainless Steel, Add	45.66	
For Aluminum, Add	2.57	
For Galvanized Steel, Add	8.85	
For 304 Stainless Steel, Add	40.67	
05 12 23 00-0276 LF MC8 x 21.4 - 8" Wide Channel	35.88	15.46
For >100 To 250, Deduct	-1.55	
For >250 To 500, Deduct	-2.44	
For >500 To 1,000, Deduct	-3.86	
For >1,000, Deduct	-5.27	
For 316 Stainless Steel, Add	48.86	
For Aluminum, Add	2.75	
For Galvanized Steel, Add	9.47	
For 304 Stainless Steel, Add	43.52	
05 12 23 00-0277 LF MC8 x 22.8 - 8" Wide Channel	38.21	16.47
For >100 To 250, Deduct	-1.65	
For >250 To 500, Deduct	-2.60	
For >500 To 1,000, Deduct	-4.11	
For >1,000, Deduct	-5.61	
For 316 Stainless Steel, Add	52.03	
For Aluminum, Add	2.93	
For Galvanized Steel, Add	10.08	
For 304 Stainless Steel, Add	46.34	
05 12 23 00-0278 LF MC9 x 23.9 - 9" Wide Channel	40.06	17.26
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.73	
For >500 To 1,000, Deduct	-4.30	
For >1,000, Deduct	-5.88	
For 316 Stainless Steel, Add	54.56	
For Aluminum, Add	3.07	
For Galvanized Steel, Add	10.57	
For 304 Stainless Steel, Add	48.59	
05 12 23 00-0279 LF MC9 x 25.4 - 9" Wide Channel	42.57	18.34
For >100 To 250, Deduct	-1.83	
For >250 To 500, Deduct	-2.90	
For >500 To 1,000, Deduct	-4.57	
For >1,000, Deduct	-6.25	
For 316 Stainless Steel, Add	57.98	
For Aluminum, Add	3.26	
For Galvanized Steel, Add	11.23	
For 304 Stainless Steel, Add	51.64	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0280	LF		MC10 x 6.5 - 10" Wide Channel.....	10.90	4.69
			<i>For >100 To 250, Deduct</i>	-0.47	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500 To 1,000, Deduct</i>	-1.17	
			<i>For >1,000, Deduct</i>	-1.60	
			<i>For 316 Stainless Steel, Add</i>	14.85	
			<i>For Aluminum, Add</i>	0.84	
			<i>For Galvanized Steel, Add</i>	2.88	
			<i>For 304 Stainless Steel, Add</i>	13.22	
05 12 23 00-0281	LF		MC10 x 8.4 - 10" Wide Channel.....	14.08	6.07
			<i>For >100 To 250, Deduct</i>	-0.61	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500 To 1,000, Deduct</i>	-1.51	
			<i>For >1,000, Deduct</i>	-2.07	
			<i>For 316 Stainless Steel, Add</i>	19.17	
			<i>For Aluminum, Add</i>	1.08	
			<i>For Galvanized Steel, Add</i>	3.71	
			<i>For 304 Stainless Steel, Add</i>	17.07	
05 12 23 00-0282	LF		MC10 x 21.9 - 10" Wide Channel.....	36.70	15.82
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-2.50	
			<i>For >500 To 1,000, Deduct</i>	-3.94	
			<i>For >1,000, Deduct</i>	-5.39	
			<i>For 316 Stainless Steel, Add</i>	49.98	
			<i>For Aluminum, Add</i>	2.81	
			<i>For Galvanized Steel, Add</i>	9.68	
			<i>For 304 Stainless Steel, Add</i>	44.52	
05 12 23 00-0283	LF		MC10 x 24.9 - 10" Wide Channel.....	41.74	17.99
			<i>For >100 To 250, Deduct</i>	-1.80	
			<i>For >250 To 500, Deduct</i>	-2.84	
			<i>For >500 To 1,000, Deduct</i>	-4.49	
			<i>For >1,000, Deduct</i>	-6.13	
			<i>For 316 Stainless Steel, Add</i>	56.83	
			<i>For Aluminum, Add</i>	3.20	
			<i>For Galvanized Steel, Add</i>	11.01	
			<i>For 304 Stainless Steel, Add</i>	50.62	
05 12 23 00-0284	LF		MC10 x 25.3 - 10" Wide Channel.....	42.41	18.27
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-2.89	
			<i>For >500 To 1,000, Deduct</i>	-4.56	
			<i>For >1,000, Deduct</i>	-6.23	
			<i>For 316 Stainless Steel, Add</i>	57.76	
			<i>For Aluminum, Add</i>	3.25	
			<i>For Galvanized Steel, Add</i>	11.19	
			<i>For 304 Stainless Steel, Add</i>	51.44	
05 12 23 00-0285	LF		MC10 x 28.3 - 10" Wide Channel.....	47.45	20.44
			<i>For >100 To 250, Deduct</i>	-2.04	
			<i>For >250 To 500, Deduct</i>	-3.23	
			<i>For >500 To 1,000, Deduct</i>	-5.10	
			<i>For >1,000, Deduct</i>	-6.97	
			<i>For 316 Stainless Steel, Add</i>	64.61	
			<i>For Aluminum, Add</i>	3.63	
			<i>For Galvanized Steel, Add</i>	12.52	
			<i>For 304 Stainless Steel, Add</i>	57.54	
05 12 23 00-0286	LF		MC10 x 28.5 - 10" Wide Channel.....	47.77	20.58
			<i>For >100 To 250, Deduct</i>	-2.06	
			<i>For >250 To 500, Deduct</i>	-3.25	
			<i>For >500 To 1,000, Deduct</i>	-5.13	
			<i>For >1,000, Deduct</i>	-7.01	
			<i>For 316 Stainless Steel, Add</i>	65.06	
			<i>For Aluminum, Add</i>	3.66	
			<i>For Galvanized Steel, Add</i>	12.60	
			<i>For 304 Stainless Steel, Add</i>	57.94	
05 12 23 00-0287	LF		MC10 x 33.6 - 10" Wide Channel.....	56.33	24.27
			<i>For >100 To 250, Deduct</i>	-2.43	
			<i>For >250 To 500, Deduct</i>	-3.84	
			<i>For >500 To 1,000, Deduct</i>	-6.05	
			<i>For >1,000, Deduct</i>	-8.27	
			<i>For 316 Stainless Steel, Add</i>	76.70	
			<i>For Aluminum, Add</i>	4.31	
			<i>For Galvanized Steel, Add</i>	14.86	
			<i>For 304 Stainless Steel, Add</i>	68.31	
05 12 23 00-0288	LF		MC10 x 41.1 - 10" Wide Channel.....	68.90	29.69
			<i>For >100 To 250, Deduct</i>	-2.97	
			<i>For >250 To 500, Deduct</i>	-4.69	
			<i>For >500 To 1,000, Deduct</i>	-7.40	
			<i>For >1,000, Deduct</i>	-10.12	
			<i>For 316 Stainless Steel, Add</i>	93.82	
			<i>For Aluminum, Add</i>	5.28	
			<i>For Galvanized Steel, Add</i>	18.18	
			<i>For 304 Stainless Steel, Add</i>	83.56	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0289 LF MC12 x 30.9 - 12" Wide Channel.....	51.80	22.31
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-3.53	
For >500 To 1,000, Deduct	-5.57	
For >1,000, Deduct	-7.61	
For 316 Stainless Steel, Add	70.53	
For Aluminum, Add	3.97	
For Galvanized Steel, Add	13.66	
For 304 Stainless Steel, Add	62.81	
05 12 23 00-0290 LF MC12 x 32.9 - 12" Wide Channel.....	55.15	23.76
For >100 To 250, Deduct	-2.38	
For >250 To 500, Deduct	-3.75	
For >500 To 1,000, Deduct	-5.93	
For >1,000, Deduct	-8.10	
For 316 Stainless Steel, Add	75.10	
For Aluminum, Add	4.22	
For Galvanized Steel, Add	14.55	
For 304 Stainless Steel, Add	66.89	
05 12 23 00-0291 LF MC12 x 35 - 12" Wide Channel	58.67	25.27
For >100 To 250, Deduct	-2.53	
For >250 To 500, Deduct	-3.99	
For >500 To 1,000, Deduct	-6.30	
For >1,000, Deduct	-8.61	
For 316 Stainless Steel, Add	79.90	
For Aluminum, Add	4.49	
For Galvanized Steel, Add	15.48	
For 304 Stainless Steel, Add	71.16	
05 12 23 00-0292 LF MC12 x 37 - 12" Wide Channel	62.02	26.72
For >100 To 250, Deduct	-2.67	
For >250 To 500, Deduct	-4.22	
For >500 To 1,000, Deduct	-6.66	
For >1,000, Deduct	-9.11	
For 316 Stainless Steel, Add	84.45	
For Aluminum, Add	4.75	
For Galvanized Steel, Add	16.36	
For 304 Stainless Steel, Add	75.21	
05 12 23 00-0293 LF MC12 x 40 - 12" Wide Channel	67.05	28.89
For >100 To 250, Deduct	-2.89	
For >250 To 500, Deduct	-4.57	
For >500 To 1,000, Deduct	-7.20	
For >1,000, Deduct	-9.84	
For 316 Stainless Steel, Add	91.30	
For Aluminum, Add	5.14	
For Galvanized Steel, Add	17.69	
For 304 Stainless Steel, Add	81.31	
05 12 23 00-0294 LF MC12 x 45 - 12" Wide Channel	75.43	32.50
For >100 To 250, Deduct	-3.25	
For >250 To 500, Deduct	-5.14	
For >500 To 1,000, Deduct	-8.10	
For >1,000, Deduct	-11.07	
For 316 Stainless Steel, Add	102.72	
For Aluminum, Add	5.78	
For Galvanized Steel, Add	19.90	
For 304 Stainless Steel, Add	91.49	
05 12 23 00-0295 LF MC12 x 50 - 12" Wide Channel	83.82	36.11
For >100 To 250, Deduct	-3.61	
For >250 To 500, Deduct	-5.71	
For >500 To 1,000, Deduct	-9.01	
For >1,000, Deduct	-12.31	
For 316 Stainless Steel, Add	114.14	
For Aluminum, Add	6.42	
For Galvanized Steel, Add	22.12	
For 304 Stainless Steel, Add	101.66	
05 12 23 00-0296 LF MC13 x 31.8 - 13" Wide Channel.....	53.30	22.97
For >100 To 250, Deduct	-2.30	
For >250 To 500, Deduct	-3.63	
For >500 To 1,000, Deduct	-5.73	
For >1,000, Deduct	-7.83	
For 316 Stainless Steel, Add	72.58	
For Aluminum, Add	4.08	
For Galvanized Steel, Add	14.06	
For 304 Stainless Steel, Add	64.64	
05 12 23 00-0297 LF MC13 x 35 - 13" Wide Channel	58.67	25.27
For >100 To 250, Deduct	-2.53	
For >250 To 500, Deduct	-3.99	
For >500 To 1,000, Deduct	-6.30	
For >1,000, Deduct	-8.61	
For 316 Stainless Steel, Add	79.90	
For Aluminum, Add	4.49	
For Galvanized Steel, Add	15.48	
For 304 Stainless Steel, Add	71.16	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0298	LF		MC13 x 40 - 13" Wide Channel.....	67.05	28.89
			<i>For >100 To 250, Deduct</i>	-2.89	
			<i>For >250 To 500, Deduct</i>	-4.57	
			<i>For >500 To 1,000, Deduct</i>	-7.20	
			<i>For >1,000, Deduct</i>	-9.84	
			<i>For 316 Stainless Steel, Add</i>	91.30	
			<i>For Aluminum, Add</i>	5.14	
			<i>For Galvanized Steel, Add</i>	17.69	
			<i>For 304 Stainless Steel, Add</i>	81.31	
05 12 23 00-0299	LF		MC13 x 50 - 13" Wide Channel.....	83.82	36.11
			<i>For >100 To 250, Deduct</i>	-3.61	
			<i>For >250 To 500, Deduct</i>	-5.71	
			<i>For >500 To 1,000, Deduct</i>	-9.01	
			<i>For >1,000, Deduct</i>	-12.31	
			<i>For 316 Stainless Steel, Add</i>	114.14	
			<i>For Aluminum, Add</i>	6.42	
			<i>For Galvanized Steel, Add</i>	22.12	
			<i>For 304 Stainless Steel, Add</i>	101.66	
05 12 23 00-0300	LF		MC18 x 42.7 - 18" Wide Channel.....	71.58	30.84
			<i>For >100 To 250, Deduct</i>	-3.08	
			<i>For >250 To 500, Deduct</i>	-4.87	
			<i>For >500 To 1,000, Deduct</i>	-7.69	
			<i>For >1,000, Deduct</i>	-10.51	
			<i>For 316 Stainless Steel, Add</i>	97.47	
			<i>For Aluminum, Add</i>	5.48	
			<i>For Galvanized Steel, Add</i>	18.89	
			<i>For 304 Stainless Steel, Add</i>	86.81	
05 12 23 00-0301	LF		MC18 x 45.8 - 18" Wide Channel.....	76.77	33.07
			<i>For >100 To 250, Deduct</i>	-3.31	
			<i>For >250 To 500, Deduct</i>	-5.23	
			<i>For >500 To 1,000, Deduct</i>	-8.25	
			<i>For >1,000, Deduct</i>	-11.27	
			<i>For 316 Stainless Steel, Add</i>	104.54	
			<i>For Aluminum, Add</i>	5.88	
			<i>For Galvanized Steel, Add</i>	20.26	
			<i>For 304 Stainless Steel, Add</i>	93.11	
05 12 23 00-0302	LF		MC18 x 51.9 - 18" Wide Channel.....	86.99	37.48
			<i>For >100 To 250, Deduct</i>	-3.75	
			<i>For >250 To 500, Deduct</i>	-5.92	
			<i>For >500 To 1,000, Deduct</i>	-9.35	
			<i>For >1,000, Deduct</i>	-12.77	
			<i>For 316 Stainless Steel, Add</i>	118.46	
			<i>For Aluminum, Add</i>	6.66	
			<i>For Galvanized Steel, Add</i>	22.95	
			<i>For 304 Stainless Steel, Add</i>	105.51	
05 12 23 00-0303	LF		MC18 x 58 - 18" Wide Channel.....	97.22	41.89
			<i>For >100 To 250, Deduct</i>	-4.19	
			<i>For >250 To 500, Deduct</i>	-6.62	
			<i>For >500 To 1,000, Deduct</i>	-10.45	
			<i>For >1,000, Deduct</i>	-14.27	
			<i>For 316 Stainless Steel, Add</i>	132.38	
			<i>For Aluminum, Add</i>	7.45	
			<i>For Galvanized Steel, Add</i>	25.65	
			<i>For 304 Stainless Steel, Add</i>	117.90	
05 12 23 00-0304			Structural Bar Tees <small>(05 12 23 00-0118)</small>		
05 12 23 00-0305	LF		3/4" x 3/4" x 1/8" Structural Bar Tee.....	3.14	1.93
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.27	
			<i>For >500 To 1,000, Deduct</i>	-0.41	
			<i>For >1,000, Deduct</i>	-0.56	
			<i>For 316 Stainless Steel, Add</i>	1.86	
			<i>For Aluminum, Add</i>	0.10	
			<i>For Galvanized Steel, Add</i>	0.36	
			<i>For 304 Stainless Steel, Add</i>	1.65	
05 12 23 00-0306	LF		1" x 1" x 1/8" Structural Bar Tee	3.80	2.27
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.32	
			<i>For >500 To 1,000, Deduct</i>	-0.49	
			<i>For >1,000, Deduct</i>	-0.66	
			<i>For 316 Stainless Steel, Add</i>	2.53	
			<i>For Aluminum, Add</i>	0.14	
			<i>For Galvanized Steel, Add</i>	0.49	
			<i>For 304 Stainless Steel, Add</i>	2.25	
05 12 23 00-0307	LF		1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	5.75	2.61
			<i>For >100 To 250, Deduct</i>	-0.26	
			<i>For >250 To 500, Deduct</i>	-0.41	
			<i>For >500 To 1,000, Deduct</i>	-0.64	
			<i>For >1,000, Deduct</i>	-0.87	
			<i>For 316 Stainless Steel, Add</i>	7.23	
			<i>For Aluminum, Add</i>	0.41	
			<i>For Galvanized Steel, Add</i>	1.40	
			<i>For 304 Stainless Steel, Add</i>	6.44	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0308	LF		2" x 2" x 1/4" Structural Bar Tee	7.93	3.42
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.54	
			<i>For >500 To 1,000, Deduct</i>	-0.85	
			<i>For >1,000, Deduct</i>	-1.16	
			<i>For 316 Stainless Steel, Add</i>	10.78	
			<i>For Aluminum, Add</i>	0.61	
			<i>For Galvanized Steel, Add</i>	2.09	
			<i>For 304 Stainless Steel, Add</i>	9.60	
05 12 23 00-0309	LF		2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	11.56	4.12
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500 To 1,000, Deduct</i>	-1.13	
			<i>For >1,000, Deduct</i>	-1.56	
			<i>For 316 Stainless Steel, Add</i>	19.36	
			<i>For Aluminum, Add</i>	1.09	
			<i>For Galvanized Steel, Add</i>	3.75	
			<i>For 304 Stainless Steel, Add</i>	17.24	
05 12 23 00-0310	LF		3" x 3" x 3/8" Structural Bar Tee	14.31	5.28
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.89	
			<i>For >500 To 1,000, Deduct</i>	-1.42	
			<i>For >1,000, Deduct</i>	-1.95	
			<i>For 316 Stainless Steel, Add</i>	23.23	
			<i>For Aluminum, Add</i>	1.31	
			<i>For Galvanized Steel, Add</i>	4.50	
			<i>For 304 Stainless Steel, Add</i>	20.69	
05 12 23 00-0311			Structural Zees (05 12 23 00-0118)		
05 12 23 00-0312	LF		1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee	6.86	2.61
			<i>For >100 To 250, Deduct</i>	-0.26	
			<i>For >250 To 500, Deduct</i>	-0.43	
			<i>For >500 To 1,000, Deduct</i>	-0.69	
			<i>For >1,000, Deduct</i>	-0.95	
			<i>For 316 Stainless Steel, Add</i>	10.78	
			<i>For Aluminum, Add</i>	0.61	
			<i>For Galvanized Steel, Add</i>	2.09	
			<i>For 304 Stainless Steel, Add</i>	9.60	
05 12 23 00-0313	LF		2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee.....	12.22	3.12
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.62	
			<i>For >500 To 1,000, Deduct</i>	-1.03	
			<i>For >1,000, Deduct</i>	-1.44	
			<i>For 316 Stainless Steel, Add</i>	25.82	
			<i>For Aluminum, Add</i>	1.45	
			<i>For Galvanized Steel, Add</i>	5.00	
			<i>For 304 Stainless Steel, Add</i>	23.00	
05 12 23 00-0314	LF		3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee.....	14.58	3.52
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500 To 1,000, Deduct</i>	-1.20	
			<i>For >1,000, Deduct</i>	-1.68	
			<i>For 316 Stainless Steel, Add</i>	31.62	
			<i>For Aluminum, Add</i>	1.78	
			<i>For Galvanized Steel, Add</i>	6.13	
			<i>For 304 Stainless Steel, Add</i>	28.16	
05 12 23 00-0315	LF		3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee.....	19.33	4.02
			<i>For >100 To 250, Deduct</i>	-0.40	
			<i>For >250 To 500, Deduct</i>	-0.89	
			<i>For >500 To 1,000, Deduct</i>	-1.50	
			<i>For >1,000, Deduct</i>	-2.12	
			<i>For 316 Stainless Steel, Add</i>	44.70	
			<i>For Aluminum, Add</i>	2.51	
			<i>For Galvanized Steel, Add</i>	8.66	
			<i>For 304 Stainless Steel, Add</i>	39.81	
05 12 23 00-0316	LF		3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee.....	24.75	4.38
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-1.06	
			<i>For >500 To 1,000, Deduct</i>	-1.82	
			<i>For >1,000, Deduct</i>	-2.59	
			<i>For 316 Stainless Steel, Add</i>	60.51	
			<i>For Aluminum, Add</i>	3.40	
			<i>For Galvanized Steel, Add</i>	11.72	
			<i>For 304 Stainless Steel, Add</i>	53.89	

05 12 23 00-0317 Junior I-Beams (05 12 23 00-0118)

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0318 LF 3" Junior I-Beam, 2.9 LB/LF	9.48	3.77
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.61	
For >500 To 1,000, Deduct	-0.98	
For >1,000, Deduct	-1.34	
For 316 Stainless Steel, Add	14.24	
For Aluminum, Add	0.80	
For Galvanized Steel, Add	2.76	
For 304 Stainless Steel, Add	12.68	
05 12 23 00-0319 LF 4" Junior I-Beam, 3.2 LB/LF	10.42	4.12
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.67	
For >500 To 1,000, Deduct	-1.07	
For >1,000, Deduct	-1.47	
For 316 Stainless Steel, Add	15.71	
For Aluminum, Add	0.88	
For Galvanized Steel, Add	3.04	
For 304 Stainless Steel, Add	13.99	
05 12 23 00-0320 LF 5" Junior I-Beam, 3.8 LB/LF	11.86	4.53
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.75	
For >500 To 1,000, Deduct	-1.20	
For >1,000, Deduct	-1.64	
For 316 Stainless Steel, Add	18.62	
For Aluminum, Add	1.05	
For Galvanized Steel, Add	3.61	
For 304 Stainless Steel, Add	16.59	
05 12 23 00-0321 LF 6" Junior I-Beam, 4.4 LB/LF	13.31	4.93
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.83	
For >500 To 1,000, Deduct	-1.32	
For >1,000, Deduct	-1.82	
For 316 Stainless Steel, Add	21.57	
For Aluminum, Add	1.21	
For Galvanized Steel, Add	4.18	
For 304 Stainless Steel, Add	19.21	
05 12 23 00-0322 LF 7" Junior I-Beam, 5.5 LB/LF	15.48	5.28
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.92	
For >500 To 1,000, Deduct	-1.48	
For >1,000, Deduct	-2.04	
For 316 Stainless Steel, Add	26.98	
For Aluminum, Add	1.52	
For Galvanized Steel, Add	5.23	
For 304 Stainless Steel, Add	24.03	
05 12 23 00-0323 LF 8" Junior I-Beam, 6.5 LB/LF	17.47	5.64
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-1.00	
For >500 To 1,000, Deduct	-1.62	
For >1,000, Deduct	-2.25	
For 316 Stainless Steel, Add	31.87	
For Aluminum, Add	1.79	
For Galvanized Steel, Add	6.18	
For 304 Stainless Steel, Add	28.39	
05 12 23 00-0324 LF 10" Junior I-Beam, 9 LB/LF	22.39	6.44
For >100 To 250, Deduct	-0.64	
For >250 To 500, Deduct	-1.20	
For >500 To 1,000, Deduct	-1.98	
For >1,000, Deduct	-2.75	
For 316 Stainless Steel, Add	44.16	
For Aluminum, Add	2.48	
For Galvanized Steel, Add	8.56	
For 304 Stainless Steel, Add	39.33	
05 12 23 00-0325 LF 12" Junior I-Beam, 11.8 LB/LF	28.29	7.65
For >100 To 250, Deduct	-0.77	
For >250 To 500, Deduct	-1.47	
For >500 To 1,000, Deduct	-2.43	
For >1,000, Deduct	-3.40	
For 316 Stainless Steel, Add	57.89	
For Aluminum, Add	3.26	
For Galvanized Steel, Add	11.22	
For 304 Stainless Steel, Add	51.56	
05 12 23 00-0326 Round Stock (05 12 23 00-0118)		
05 12 23 00-0327 LF 1/4" Carbon Steel Rounds, ASTM A108	1.35	
For 316 Stainless Steel, Add	2.14	
For Aluminum, Add	0.12	
For Galvanized Steel, Add	0.42	
For 304 Stainless Steel, Add	1.91	
05 12 23 00-0328 LF 3/8" Carbon Steel Rounds, ASTM A108	2.09	
For 316 Stainless Steel, Add	4.22	
For Aluminum, Add	0.24	
For Galvanized Steel, Add	0.82	
For 304 Stainless Steel, Add	3.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0329 LF 1/2" Carbon Steel Rounds, ASTM A108.....	2.85	
<i>For 316 Stainless Steel, Add</i>	6.43	
<i>For Aluminum, Add</i>	0.36	
<i>For Galvanized Steel, Add</i>	1.25	
<i>For 304 Stainless Steel, Add</i>	5.73	
05 12 23 00-0330 LF 5/8" Carbon Steel Rounds, ASTM A108.....	4.29	
<i>For 316 Stainless Steel, Add</i>	10.75	
<i>For Aluminum, Add</i>	0.60	
<i>For Galvanized Steel, Add</i>	2.08	
<i>For 304 Stainless Steel, Add</i>	9.58	
05 12 23 00-0331 LF 3/4" Carbon Steel Rounds, ASTM A108.....	5.11	
<i>For 316 Stainless Steel, Add</i>	12.77	
<i>For Aluminum, Add</i>	0.72	
<i>For Galvanized Steel, Add</i>	2.47	
<i>For 304 Stainless Steel, Add</i>	11.37	
05 12 23 00-0332 LF 7/8" Carbon Steel Rounds, ASTM A108.....	5.95	
<i>For 316 Stainless Steel, Add</i>	14.91	
<i>For Aluminum, Add</i>	0.84	
<i>For Galvanized Steel, Add</i>	2.89	
<i>For 304 Stainless Steel, Add</i>	13.28	
05 12 23 00-0333 LF 1" Carbon Steel Rounds, ASTM A108.....	8.62	
<i>For 316 Stainless Steel, Add</i>	22.72	
<i>For Aluminum, Add</i>	1.28	
<i>For Galvanized Steel, Add</i>	4.40	
<i>For 304 Stainless Steel, Add</i>	20.24	
05 12 23 00-0334 LF 1-1/8" Carbon Steel Rounds, ASTM A108.....	10.50	
<i>For 316 Stainless Steel, Add</i>	27.62	
<i>For Aluminum, Add</i>	1.55	
<i>For Galvanized Steel, Add</i>	5.35	
<i>For 304 Stainless Steel, Add</i>	24.60	
05 12 23 00-0335 LF 1-1/4" Carbon Steel Rounds, ASTM A108.....	12.55	
<i>For 316 Stainless Steel, Add</i>	32.48	
<i>For Aluminum, Add</i>	1.83	
<i>For Galvanized Steel, Add</i>	6.29	
<i>For 304 Stainless Steel, Add</i>	28.93	
05 12 23 00-0336 LF 1-3/8" Carbon Steel Rounds, ASTM A108.....	15.18	
<i>For 316 Stainless Steel, Add</i>	39.65	
<i>For Aluminum, Add</i>	2.23	
<i>For Galvanized Steel, Add</i>	7.68	
<i>For 304 Stainless Steel, Add</i>	35.31	
05 12 23 00-0337 LF 1-1/2" Carbon Steel Rounds, ASTM A108.....	16.95	
<i>For 316 Stainless Steel, Add</i>	43.49	
<i>For Aluminum, Add</i>	2.45	
<i>For Galvanized Steel, Add</i>	8.43	
<i>For 304 Stainless Steel, Add</i>	38.73	
05 12 23 00-0338 LF 1-5/8" Carbon Steel Rounds, ASTM A108.....	19.59	
<i>For 316 Stainless Steel, Add</i>	49.28	
<i>For Aluminum, Add</i>	2.77	
<i>For Galvanized Steel, Add</i>	9.55	
<i>For 304 Stainless Steel, Add</i>	43.89	
05 12 23 00-0339 LF 1-3/4" Carbon Steel Rounds, ASTM A108.....	23.52	
<i>For 316 Stainless Steel, Add</i>	57.34	
<i>For Aluminum, Add</i>	3.23	
<i>For Galvanized Steel, Add</i>	11.11	
<i>For 304 Stainless Steel, Add</i>	51.07	
05 12 23 00-0340 LF 1-7/8" Carbon Steel Rounds, ASTM A108.....	28.37	
<i>For 316 Stainless Steel, Add</i>	67.17	
<i>For Aluminum, Add</i>	3.78	
<i>For Galvanized Steel, Add</i>	13.01	
<i>For 304 Stainless Steel, Add</i>	59.82	
05 12 23 00-0341 LF 2" Carbon Steel Rounds, ASTM A108.....	32.46	
<i>For 316 Stainless Steel, Add</i>	74.72	
<i>For Aluminum, Add</i>	4.20	
<i>For Galvanized Steel, Add</i>	14.48	
<i>For 304 Stainless Steel, Add</i>	66.55	
05 12 23 00-0342 LF 2-1/8" Carbon Steel Rounds, ASTM A108.....	37.98	
<i>For 316 Stainless Steel, Add</i>	85.34	
<i>For Aluminum, Add</i>	4.80	
<i>For Galvanized Steel, Add</i>	16.54	
<i>For 304 Stainless Steel, Add</i>	76.01	
05 12 23 00-0343 LF 2-1/4" Carbon Steel Rounds, ASTM A108.....	43.00	
<i>For 316 Stainless Steel, Add</i>	95.97	
<i>For Aluminum, Add</i>	5.40	
<i>For Galvanized Steel, Add</i>	18.59	
<i>For 304 Stainless Steel, Add</i>	85.47	
05 12 23 00-0344 LF 2-3/8" Carbon Steel Rounds, ASTM A108.....	49.25	
<i>For 316 Stainless Steel, Add</i>	109.76	
<i>For Aluminum, Add</i>	6.17	
<i>For Galvanized Steel, Add</i>	21.27	
<i>For 304 Stainless Steel, Add</i>	97.76	
05 12 23 00-0345 LF 2-1/2" Carbon Steel Rounds, ASTM A108.....	54.53	
<i>For 316 Stainless Steel, Add</i>	118.27	
<i>For Aluminum, Add</i>	6.65	
<i>For Galvanized Steel, Add</i>	22.92	
<i>For 304 Stainless Steel, Add</i>	105.34	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0346 LF 2-5/8" Carbon Steel Rounds, ASTM A108.....	66.46	
For 316 Stainless Steel, Add	150.24	
For Aluminum, Add	8.45	
For Galvanized Steel, Add	29.11	
For 304 Stainless Steel, Add	133.81	
05 12 23 00-0347 LF 2-3/4" Carbon Steel Rounds, ASTM A108.....	75.66	
For 316 Stainless Steel, Add	171.33	
For Aluminum, Add	9.64	
For Galvanized Steel, Add	33.19	
For 304 Stainless Steel, Add	152.59	
05 12 23 00-0348 LF 2-7/8 Carbon Steel Rounds, ASTM A108.....	84.40	
For 316 Stainless Steel, Add	190.94	
For Aluminum, Add	10.74	
For Galvanized Steel, Add	37.00	
For 304 Stainless Steel, Add	170.06	
05 12 23 00-0349 LF 3" Carbon Steel Rounds, ASTM A108.....	88.79	
For 316 Stainless Steel, Add	196.67	
For Aluminum, Add	11.06	
For Galvanized Steel, Add	38.11	
For 304 Stainless Steel, Add	175.16	
05 12 23 00-0350 LF 3-1/8" Carbon Steel Rounds, ASTM A108.....	92.75	
For 316 Stainless Steel, Add	201.02	
For Aluminum, Add	11.31	
For Galvanized Steel, Add	38.95	
For 304 Stainless Steel, Add	179.04	
05 12 23 00-0351 LF 3-1/4" Carbon Steel Rounds, ASTM A108.....	97.91	
For 316 Stainless Steel, Add	209.22	
For Aluminum, Add	11.77	
For Galvanized Steel, Add	40.54	
For 304 Stainless Steel, Add	186.33	
05 12 23 00-0352 LF 3-1/2" Carbon Steel Rounds, ASTM A108.....	118.74	
For 316 Stainless Steel, Add	265.47	
For Aluminum, Add	14.93	
For Galvanized Steel, Add	51.44	
For 304 Stainless Steel, Add	236.44	
05 12 23 00-0353 LF 3-5/8" Carbon Steel Rounds, ASTM A108.....	131.83	
For 316 Stainless Steel, Add	296.96	
For Aluminum, Add	16.70	
For Galvanized Steel, Add	57.54	
For 304 Stainless Steel, Add	264.48	
05 12 23 00-0354 LF 3-3/4" Carbon Steel Rounds, ASTM A108.....	141.56	
For 316 Stainless Steel, Add	317.66	
For Aluminum, Add	17.87	
For Galvanized Steel, Add	61.55	
For 304 Stainless Steel, Add	282.92	
05 12 23 00-0355 LF 4" Carbon Steel Rounds, ASTM A108.....	158.57	
For 316 Stainless Steel, Add	361.70	
For Aluminum, Add	20.35	
For Galvanized Steel, Add	70.08	
For 304 Stainless Steel, Add	322.14	
05 12 23 00-0356 Square Stock (05 12 23 00-0118)		
05 12 23 00-0357 LF 3/8" Square Bar Stock.....	1.11	
For 316 Stainless Steel, Add	1.09	
For Aluminum, Add	0.06	
For Galvanized Steel, Add	0.21	
For 304 Stainless Steel, Add	0.97	
05 12 23 00-0358 LF 1/2" Square Bar Stock.....	1.44	
For 316 Stainless Steel, Add	1.92	
For Aluminum, Add	0.11	
For Galvanized Steel, Add	0.37	
For 304 Stainless Steel, Add	1.71	
05 12 23 00-0359 LF 5/8" Square Bar Stock.....	1.87	
For 316 Stainless Steel, Add	3.01	
For Aluminum, Add	0.17	
For Galvanized Steel, Add	0.58	
For 304 Stainless Steel, Add	2.68	
05 12 23 00-0360 LF 3/4" Square Bar Stock.....	2.48	
For 316 Stainless Steel, Add	4.35	
For Aluminum, Add	0.24	
For Galvanized Steel, Add	0.84	
For 304 Stainless Steel, Add	3.88	
05 12 23 00-0361 LF 7/8" Square Bar Stock.....	3.18	
For 316 Stainless Steel, Add	6.05	
For Aluminum, Add	0.34	
For Galvanized Steel, Add	1.17	
For 304 Stainless Steel, Add	5.39	
05 12 23 00-0362 LF 1" Square Bar Stock.....	3.94	
For 316 Stainless Steel, Add	7.74	
For Aluminum, Add	0.44	
For Galvanized Steel, Add	1.50	
For 304 Stainless Steel, Add	6.90	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 12 23 00-0363	LF		1-1/4" Square Bar Stock <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	6.18 12.10 0.68 2.34 10.77	
	05 12 23 00-0364	LF		1-1/2" Square Bar Stock <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	8.80 17.41 0.98 3.37 15.50	
	05 12 23 00-0365	LF		1-3/4" Square Bar Stock <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	13.17 24.22 1.36 4.69 21.57	
	05 12 23 00-0366	LF		2" Square Bar Stock <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	19.08 30.98 1.74 6.00 27.59	
	05 12 23 00-0367			Steel Tubing <small>(05 12 23 00-0118)</small> Note: General purpose low-carbon steel.		
	05 12 23 00-0368			Square Steel Tubing <small>(05 12 23 00-0367)</small>		
	05 12 23 00-0369			0.06" Wall Thickness <small>(05 12 23 00-0368)</small>		
	05 12 23 00-0370	LF		1/2" x 1/2" x 0.06" Square Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	1.37 -0.04 -0.07 -0.12 -0.16 0.55	0.36
	05 12 23 00-0371	LF		3/4" x 3/4" x 0.06" Square Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	2.11 -0.06 -0.11 -0.18 -0.25 0.84	0.56
	05 12 23 00-0372	LF		1" x 1" x 0.06" Square Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	2.84 -0.08 -0.15 -0.25 -0.34 1.12	1.03
	05 12 23 00-0373	LF		1-1/4" x 1-1/4" x 0.06" Square Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	3.74 -0.10 -0.19 -0.32 -0.44 1.51	0.98
	05 12 23 00-0374	LF		1-1/2" x 1-1/2" x 0.06" Square Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	4.45 -0.12 -0.23 -0.38 -0.53 1.78	1.18
	05 12 23 00-0375			0.083" Wall Thickness <small>(05 12 23 00-0368)</small>		
	05 12 23 00-0376	LF		3/4" x 3/4" x 0.083" Square Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	2.46 -0.07 -0.13 -0.21 -0.30 0.97	0.67
	05 12 23 00-0377	LF		1" x 1" x 0.083" Square Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	3.57 -0.09 -0.18 -0.30 -0.42 1.46	0.91
	05 12 23 00-0378	LF		1-1/4" x 1-1/4" x 0.083" Square Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	4.32 -0.12 -0.22 -0.37 -0.52 1.72	1.16
	05 12 23 00-0379	LF		1-1/2" x 1-1/2" x 0.083" Square Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	5.23 -0.14 -0.27 -0.45 -0.63 2.08	1.41

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0380	LF		2" x 2" x 0.083" Square Steel Tubing.....	6.72	1.88
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.36	
			<i>For >500 To 1,000, Deduct</i>	-0.59	
			<i>For >1,000, Deduct</i>	-0.82	
			<i>For Galvanized Steel, Add</i>	2.61	
05 12 23 00-0381			0.12" Wall Thickness (05 12 23 00-0388)		
05 12 23 00-0382	LF		1" x 1" x 0.12" Square Steel Tubing.....	3.95	1.09
			<i>For >100 To 250, Deduct</i>	-0.11	
			<i>For >250 To 500, Deduct</i>	-0.21	
			<i>For >500 To 1,000, Deduct</i>	-0.34	
			<i>For >1,000, Deduct</i>	-0.48	
			<i>For Galvanized Steel, Add</i>	1.55	
05 12 23 00-0383	LF		1-1/4" x 1-1/4" x 0.12" Square Steel Tubing.....	5.09	1.39
			<i>For >100 To 250, Deduct</i>	-0.14	
			<i>For >250 To 500, Deduct</i>	-0.27	
			<i>For >500 To 1,000, Deduct</i>	-0.44	
			<i>For >1,000, Deduct</i>	-0.61	
			<i>For Galvanized Steel, Add</i>	2.00	
05 12 23 00-0384	LF		1-1/2" x 1-1/2" x 0.12" Square Steel Tubing.....	6.25	1.70
			<i>For >100 To 250, Deduct</i>	-0.17	
			<i>For >250 To 500, Deduct</i>	-0.33	
			<i>For >500 To 1,000, Deduct</i>	-0.54	
			<i>For >1,000, Deduct</i>	-0.75	
			<i>For Galvanized Steel, Add</i>	2.47	
05 12 23 00-0385	LF		2" x 2" x 0.12" Square Steel Tubing.....	8.47	2.32
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.44	
			<i>For >500 To 1,000, Deduct</i>	-0.73	
			<i>For >1,000, Deduct</i>	-1.02	
			<i>For Galvanized Steel, Add</i>	3.33	
05 12 23 00-0386			1/8" Wall Thickness (05 12 23 00-0388)		
05 12 23 00-0387	LF		2" x 2" x 1/8" Square Steel Tubing.....	7.69	2.41
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.43	
			<i>For >500 To 1,000, Deduct</i>	-0.71	
			<i>For >1,000, Deduct</i>	-0.98	
			<i>For Galvanized Steel, Add</i>	2.77	
05 12 23 00-0388	LF		2-1/2" x 2-1/2" x 1/8" Square Steel Tubing.....	10.10	3.06
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.56	
			<i>For >500 To 1,000, Deduct</i>	-0.91	
			<i>For >1,000, Deduct</i>	-1.27	
			<i>For Galvanized Steel, Add</i>	3.74	
05 12 23 00-0389	LF		3" x 3" x 1/8" Square Steel Tubing.....	11.87	3.69
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.67	
			<i>For >500 To 1,000, Deduct</i>	-1.09	
			<i>For >1,000, Deduct</i>	-1.51	
			<i>For Galvanized Steel, Add</i>	4.31	
05 12 23 00-0390	LF		3-1/2" x 3-1/2" x 1/8" Square Steel Tubing.....	13.77	4.34
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.78	
			<i>For >500 To 1,000, Deduct</i>	-1.27	
			<i>For >1,000, Deduct</i>	-1.76	
			<i>For Galvanized Steel, Add</i>	4.95	
05 12 23 00-0391	LF		4" x 4" x 1/8" Square Steel Tubing.....	15.22	4.98
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.88	
			<i>For >500 To 1,000, Deduct</i>	-1.43	
			<i>For >1,000, Deduct</i>	-1.97	
			<i>For Galvanized Steel, Add</i>	5.32	
05 12 23 00-0392			3/16" Wall Thickness (05 12 23 00-0388)		
05 12 23 00-0393	LF		2" x 2" x 3/16" Square Steel Tubing.....	8.71	2.72
			<i>For >100 To 250, Deduct</i>	-0.27	
			<i>For >250 To 500, Deduct</i>	-0.49	
			<i>For >500 To 1,000, Deduct</i>	-0.80	
			<i>For >1,000, Deduct</i>	-1.11	
			<i>For Galvanized Steel, Add</i>	3.16	
05 12 23 00-0394	LF		2-1/2" x 2-1/2" x 3/16" Square Steel Tubing.....	11.28	3.52
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500 To 1,000, Deduct</i>	-1.03	
			<i>For >1,000, Deduct</i>	-1.43	
			<i>For Galvanized Steel, Add</i>	4.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0395 LF 3" x 3" x 3/16" Square Steel Tubing.....	13.87	4.33
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.78	
For >500 To 1,000, Deduct	-1.27	
For >1,000, Deduct	-1.76	
For Galvanized Steel, Add	5.02	
05 12 23 00-0396 LF 3-1/2" x 3-1/2" x 3/16" Square Steel Tubing	16.45	5.13
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.92	
For >500 To 1,000, Deduct	-1.51	
For >1,000, Deduct	-2.09	
For Galvanized Steel, Add	5.96	
05 12 23 00-0397 LF 4" x 4" x 3/16" Square Steel Tubing.....	19.01	5.93
For >100 To 250, Deduct	-0.59	
For >250 To 500, Deduct	-1.07	
For >500 To 1,000, Deduct	-1.74	
For >1,000, Deduct	-2.41	
For Galvanized Steel, Add	6.88	
05 12 23 00-0398 LF 4-1/2" x 4-1/2" x 3/16" Square Steel Tubing	21.58	6.74
For >100 To 250, Deduct	-0.67	
For >250 To 500, Deduct	-1.21	
For >500 To 1,000, Deduct	-1.98	
For >1,000, Deduct	-2.74	
For Galvanized Steel, Add	7.82	
05 12 23 00-0399 LF 5" x 5" x 3/16" Square Steel Tubing.....	24.15	7.53
For >100 To 250, Deduct	-0.75	
For >250 To 500, Deduct	-1.36	
For >500 To 1,000, Deduct	-2.21	
For >1,000, Deduct	-3.07	
For Galvanized Steel, Add	8.75	
05 12 23 00-0400 LF 6" x 6" x 3/16" Square Steel Tubing.....	29.32	9.15
For >100 To 250, Deduct	-0.91	
For >250 To 500, Deduct	-1.65	
For >500 To 1,000, Deduct	-2.69	
For >1,000, Deduct	-3.72	
For Galvanized Steel, Add	10.62	
05 12 23 00-0401 1/4" Wall Thickness <small>(05 12 23 00-0368)</small>		
05 12 23 00-0402 LF 2" x 2" x 1/4" Square Steel Tubing.....	9.26	2.72
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.50	
For >500 To 1,000, Deduct	-0.83	
For >1,000, Deduct	-1.15	
For Galvanized Steel, Add	3.49	
05 12 23 00-0403 LF 2-1/2" x 2-1/2" x 1/4" Square Steel Tubing	12.17	3.58
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.66	
For >500 To 1,000, Deduct	-1.09	
For >1,000, Deduct	-1.51	
For Galvanized Steel, Add	4.59	
05 12 23 00-0404 LF 3" x 3" x 1/4" Square Steel Tubing.....	15.07	4.44
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.82	
For >500 To 1,000, Deduct	-1.34	
For >1,000, Deduct	-1.87	
For Galvanized Steel, Add	5.68	
05 12 23 00-0405 LF 3-1/2" x 3-1/2" x 1/4" Square Steel Tubing	17.98	5.29
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.98	
For >500 To 1,000, Deduct	-1.60	
For >1,000, Deduct	-2.23	
For Galvanized Steel, Add	6.78	
05 12 23 00-0406 LF 4" x 4" x 1/4" Square Steel Tubing.....	20.90	6.14
For >100 To 250, Deduct	-0.62	
For >250 To 500, Deduct	-1.14	
For >500 To 1,000, Deduct	-1.87	
For >1,000, Deduct	-2.59	
For Galvanized Steel, Add	7.87	
05 12 23 00-0407 LF 4-1/2" x 4-1/2" x 1/4" Square Steel Tubing	23.81	7.00
For >100 To 250, Deduct	-0.70	
For >250 To 500, Deduct	-1.30	
For >500 To 1,000, Deduct	-2.12	
For >1,000, Deduct	-2.95	
For Galvanized Steel, Add	8.97	
05 12 23 00-0408 LF 5" x 5" x 1/4" Square Steel Tubing.....	26.74	7.87
For >100 To 250, Deduct	-0.79	
For >250 To 500, Deduct	-1.46	
For >500 To 1,000, Deduct	-2.39	
For >1,000, Deduct	-3.32	
For Galvanized Steel, Add	10.08	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0409 LF 6" x 6" x 1/4" Square Steel Tubing.....	32.56	9.57
For >100 To 250, Deduct	-0.96	
For >250 To 500, Deduct	-1.77	
For >500 To 1,000, Deduct	-2.91	
For >1,000, Deduct	-4.04	
For Galvanized Steel, Add	12.27	
05 12 23 00-0410 Rectangular Steel Tubing (05 12 23 00-0367)		
05 12 23 00-0411 3/16" Wall Thickness (05 12 23 00-0410)		
05 12 23 00-0412 LF 3" x 2" x 3/16" Square Steel Tubing.....	11.28	3.52
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.63	
For >500 To 1,000, Deduct	-1.03	
For >1,000, Deduct	-1.43	
For Galvanized Steel, Add	4.09	
05 12 23 00-0413 LF 4" x 2" x 3/16" Square Steel Tubing.....	13.87	4.33
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.78	
For >500 To 1,000, Deduct	-1.27	
For >1,000, Deduct	-1.76	
For Galvanized Steel, Add	5.02	
05 12 23 00-0414 LF 4" x 3" x 3/16" Square Steel Tubing.....	16.45	5.13
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.92	
For >500 To 1,000, Deduct	-1.51	
For >1,000, Deduct	-2.09	
For Galvanized Steel, Add	5.96	
05 12 23 00-0415 LF 5" x 2" x 3/16" Square Steel Tubing.....	16.45	5.13
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.92	
For >500 To 1,000, Deduct	-1.51	
For >1,000, Deduct	-2.09	
For Galvanized Steel, Add	5.96	
05 12 23 00-0416 LF 5" x 3" x 3/16" Square Steel Tubing.....	19.01	5.93
For >100 To 250, Deduct	-0.59	
For >250 To 500, Deduct	-1.07	
For >500 To 1,000, Deduct	-1.74	
For >1,000, Deduct	-2.41	
For Galvanized Steel, Add	6.88	
05 12 23 00-0417 LF 5" x 4" x 3/16" Square Steel Tubing.....	21.58	6.74
For >100 To 250, Deduct	-0.67	
For >250 To 500, Deduct	-1.21	
For >500 To 1,000, Deduct	-1.98	
For >1,000, Deduct	-2.74	
For Galvanized Steel, Add	7.82	
05 12 23 00-0418 LF 6" x 2" x 3/16" Square Steel Tubing.....	19.01	5.93
For >100 To 250, Deduct	-0.59	
For >250 To 500, Deduct	-1.07	
For >500 To 1,000, Deduct	-1.74	
For >1,000, Deduct	-2.41	
For Galvanized Steel, Add	6.88	
05 12 23 00-0419 LF 6" x 3" x 3/16" Square Steel Tubing.....	21.58	6.74
For >100 To 250, Deduct	-0.67	
For >250 To 500, Deduct	-1.21	
For >500 To 1,000, Deduct	-1.98	
For >1,000, Deduct	-2.74	
For Galvanized Steel, Add	7.82	
05 12 23 00-0420 LF 6" x 4" x 3/16" Square Steel Tubing.....	24.15	7.53
For >100 To 250, Deduct	-0.75	
For >250 To 500, Deduct	-1.36	
For >500 To 1,000, Deduct	-2.21	
For >1,000, Deduct	-3.07	
For Galvanized Steel, Add	8.75	
05 12 23 00-0421 1/4" Wall Thickness (05 12 23 00-0410)		
05 12 23 00-0422 LF 3" x 2" x 1/4" Square Steel Tubing.....	12.17	3.58
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.66	
For >500 To 1,000, Deduct	-1.09	
For >1,000, Deduct	-1.51	
For Galvanized Steel, Add	4.59	
05 12 23 00-0423 LF 4" x 2" x 1/4" Square Steel Tubing.....	15.07	4.44
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.82	
For >500 To 1,000, Deduct	-1.34	
For >1,000, Deduct	-1.87	
For Galvanized Steel, Add	5.68	
05 12 23 00-0424 LF 4" x 3" x 1/4" Square Steel Tubing.....	17.98	5.29
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.98	
For >500 To 1,000, Deduct	-1.60	
For >1,000, Deduct	-2.23	
For Galvanized Steel, Add	6.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0425 LF 5" x 2" x 1/4" Square Steel Tubing.....	17.98	5.29
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.98	
For >500 To 1,000, Deduct	-1.60	
For >1,000, Deduct	-2.23	
For Galvanized Steel, Add	6.78	
05 12 23 00-0426 LF 5" x 3" x 1/4" Square Steel Tubing.....	20.90	6.14
For >100 To 250, Deduct	-0.62	
For >250 To 500, Deduct	-1.14	
For >500 To 1,000, Deduct	-1.87	
For >1,000, Deduct	-2.59	
For Galvanized Steel, Add	7.87	
05 12 23 00-0427 LF 5" x 4" x 1/4" Square Steel Tubing.....	23.81	7.00
For >100 To 250, Deduct	-0.70	
For >250 To 500, Deduct	-1.30	
For >500 To 1,000, Deduct	-2.12	
For >1,000, Deduct	-2.95	
For Galvanized Steel, Add	8.97	
05 12 23 00-0428 LF 6" x 2" x 1/4" Square Steel Tubing.....	20.90	6.14
For >100 To 250, Deduct	-0.62	
For >250 To 500, Deduct	-1.14	
For >500 To 1,000, Deduct	-1.87	
For >1,000, Deduct	-2.59	
For Galvanized Steel, Add	7.87	
05 12 23 00-0429 LF 6" x 3" x 1/4" Square Steel Tubing.....	23.81	7.00
For >100 To 250, Deduct	-0.70	
For >250 To 500, Deduct	-1.30	
For >500 To 1,000, Deduct	-2.12	
For >1,000, Deduct	-2.95	
For Galvanized Steel, Add	8.97	
05 12 23 00-0430 LF 6" x 4" x 1/4" Square Steel Tubing.....	26.74	7.87
For >100 To 250, Deduct	-0.79	
For >250 To 500, Deduct	-1.46	
For >500 To 1,000, Deduct	-2.39	
For >1,000, Deduct	-3.32	
For Galvanized Steel, Add	10.08	
05 12 23 00-0431 Round Steel Tubing <small>(05 12 23 00-0367)</small>		
05 12 23 00-0432 0.065" Wall Thickness <small>(05 12 23 00-0431)</small>		
05 12 23 00-0433 LF 1" Diameter x 0.065" Round Steel Tubing.....	2.45	0.66
For >100 To 250, Deduct	-0.07	
For >250 To 500, Deduct	-0.13	
For >500 To 1,000, Deduct	-0.21	
For >1,000, Deduct	-0.29	
For Galvanized Steel, Add	0.98	
05 12 23 00-0434 LF 1-1/4" Diameter x 0.065" Round Steel Tubing.....	3.12	0.83
For >100 To 250, Deduct	-0.08	
For >250 To 500, Deduct	-0.16	
For >500 To 1,000, Deduct	-0.27	
For >1,000, Deduct	-0.37	
For Galvanized Steel, Add	1.25	
05 12 23 00-0435 LF 1-1/2" Diameter x 0.065" Round Steel Tubing.....	3.77	1.00
For >100 To 250, Deduct	-0.10	
For >250 To 500, Deduct	-0.19	
For >500 To 1,000, Deduct	-0.32	
For >1,000, Deduct	-0.45	
For Galvanized Steel, Add	1.51	
05 12 23 00-0436 LF 2" Diameter x 0.065" Round Steel Tubing.....	5.07	1.35
For >100 To 250, Deduct	-0.14	
For >250 To 500, Deduct	-0.26	
For >500 To 1,000, Deduct	-0.43	
For >1,000, Deduct	-0.61	
For Galvanized Steel, Add	2.03	
05 12 23 00-0437 LF 2-1/2" Diameter x 0.065" Round Steel Tubing.....	6.39	1.70
For >100 To 250, Deduct	-0.17	
For >250 To 500, Deduct	-0.33	
For >500 To 1,000, Deduct	-0.55	
For >1,000, Deduct	-0.76	
For Galvanized Steel, Add	2.55	
05 12 23 00-0438 LF 3" Diameter x 0.065" Round Steel Tubing.....	7.69	2.05
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.40	
For >500 To 1,000, Deduct	-0.66	
For >1,000, Deduct	-0.92	
For Galvanized Steel, Add	3.08	
05 12 23 00-0439 LF 3-1/2" Diameter x 0.065" Round Steel Tubing.....	9.01	2.40
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.47	
For >500 To 1,000, Deduct	-0.77	
For >1,000, Deduct	-1.08	
For Galvanized Steel, Add	3.60	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0440	LF		4" Diameter x 0.065" Round Steel Tubing	10.33	2.75
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.53	
			<i>For >500 To 1,000, Deduct</i>	-0.88	
			<i>For >1,000, Deduct</i>	-1.23	
			<i>For Galvanized Steel, Add</i>	4.13	
05 12 23 00-0441			0.083" Wall Thickness <small>(05 12 23 00-0431)</small>		
05 12 23 00-0442	LF		1" Diameter x 0.083" Round Steel Tubing	2.67	0.72
			<i>For >100 To 250, Deduct</i>	-0.07	
			<i>For >250 To 500, Deduct</i>	-0.14	
			<i>For >500 To 1,000, Deduct</i>	-0.23	
			<i>For >1,000, Deduct</i>	-0.32	
			<i>For Galvanized Steel, Add</i>	1.06	
05 12 23 00-0443	LF		1-1/4" Diameter x 0.083" Round Steel Tubing	3.39	0.91
			<i>For >100 To 250, Deduct</i>	-0.09	
			<i>For >250 To 500, Deduct</i>	-0.18	
			<i>For >500 To 1,000, Deduct</i>	-0.29	
			<i>For >1,000, Deduct</i>	-0.41	
			<i>For Galvanized Steel, Add</i>	1.35	
05 12 23 00-0444	LF		1-1/2" Diameter x 0.083" Round Steel Tubing	4.11	1.11
			<i>For >100 To 250, Deduct</i>	-0.11	
			<i>For >250 To 500, Deduct</i>	-0.21	
			<i>For >500 To 1,000, Deduct</i>	-0.35	
			<i>For >1,000, Deduct</i>	-0.49	
			<i>For Galvanized Steel, Add</i>	1.64	
05 12 23 00-0445	LF		2" Diameter x 0.083" Round Steel Tubing	5.58	1.49
			<i>For >100 To 250, Deduct</i>	-0.15	
			<i>For >250 To 500, Deduct</i>	-0.29	
			<i>For >500 To 1,000, Deduct</i>	-0.48	
			<i>For >1,000, Deduct</i>	-0.67	
			<i>For Galvanized Steel, Add</i>	2.22	
05 12 23 00-0446	LF		2-1/2" Diameter x 0.083" Round Steel Tubing	7.03	1.89
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.36	
			<i>For >500 To 1,000, Deduct</i>	-0.60	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For Galvanized Steel, Add</i>	2.80	
05 12 23 00-0447	LF		3" Diameter x 0.083" Round Steel Tubing	8.48	2.28
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.44	
			<i>For >500 To 1,000, Deduct</i>	-0.73	
			<i>For >1,000, Deduct</i>	-1.02	
			<i>For Galvanized Steel, Add</i>	3.37	
05 12 23 00-0448	LF		3-1/2" Diameter x 0.083" Round Steel Tubing	9.94	2.67
			<i>For >100 To 250, Deduct</i>	-0.27	
			<i>For >250 To 500, Deduct</i>	-0.52	
			<i>For >500 To 1,000, Deduct</i>	-0.85	
			<i>For >1,000, Deduct</i>	-1.19	
			<i>For Galvanized Steel, Add</i>	3.96	
05 12 23 00-0449	LF		4" Diameter x 0.083" Round Steel Tubing	11.38	3.06
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.59	
			<i>For >500 To 1,000, Deduct</i>	-0.98	
			<i>For >1,000, Deduct</i>	-1.36	
			<i>For Galvanized Steel, Add</i>	4.53	
05 12 23 00-0450			0.125" Wall Thickness <small>(05 12 23 00-0431)</small>		
05 12 23 00-0451	LF		2" Diameter x 0.125" Round Steel Tubing	6.03	1.89
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.34	
			<i>For >500 To 1,000, Deduct</i>	-0.55	
			<i>For >1,000, Deduct</i>	-0.77	
			<i>For Galvanized Steel, Add</i>	2.18	
05 12 23 00-0452	LF		2-1/2" Diameter x 0.125" Round Steel Tubing	7.65	2.39
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.43	
			<i>For >500 To 1,000, Deduct</i>	-0.70	
			<i>For >1,000, Deduct</i>	-0.97	
			<i>For Galvanized Steel, Add</i>	2.76	
05 12 23 00-0453	LF		3" Diameter x 0.125" Round Steel Tubing	9.24	2.89
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.52	
			<i>For >500 To 1,000, Deduct</i>	-0.85	
			<i>For >1,000, Deduct</i>	-1.18	
			<i>For Galvanized Steel, Add</i>	3.34	
05 12 23 00-0454	LF		3-1/2" Diameter x 0.125" Round Steel Tubing	10.86	3.40
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500 To 1,000, Deduct</i>	-1.00	
			<i>For >1,000, Deduct</i>	-1.38	
			<i>For Galvanized Steel, Add</i>	3.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0455 LF 4" Diameter x 0.125" Round Steel Tubing	12.45	3.90
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.70	
For >500 To 1,000, Deduct	-1.14	
For >1,000, Deduct	-1.58	
For Galvanized Steel, Add	4.50	
05 12 23 00-0456 Flat Steel Bar <small>(05 12 23 00-0118)</small>		
05 12 23 00-0457 1/8" Thick <small>(05 12 23 00-0456)</small>		
05 12 23 00-0458 LF 1/8" Thick x 1" Wide Flat Steel Bar	1.80	0.94
For Galvanized Steel, Add	0.24	
05 12 23 00-0459 LF 1/8" Thick x 2" Wide Flat Steel Bar	2.77	1.41
For Galvanized Steel, Add	0.40	
05 12 23 00-0460 LF 1/8" Thick x 4" Wide Flat Steel Bar	4.17	1.99
For Galvanized Steel, Add	0.74	
05 12 23 00-0461 LF 1/8" Thick x 6" Wide Flat Steel Bar	5.64	2.70
For Galvanized Steel, Add	0.99	
05 12 23 00-0462 3/16" Thick <small>(05 12 23 00-0456)</small>		
05 12 23 00-0463 LF 3/16" Thick x 1" Wide Flat Steel Bar	2.35	1.17
For Galvanized Steel, Add	0.37	
05 12 23 00-0464 LF 3/16" Thick x 2" Wide Flat Steel Bar	3.66	1.75
For Galvanized Steel, Add	0.64	
05 12 23 00-0465 LF 3/16" Thick x 4" Wide Flat Steel Bar	4.76	2.02
For Galvanized Steel, Add	1.08	
05 12 23 00-0466 LF 3/16" Thick x 6" Wide Flat Steel Bar	6.59	2.79
For Galvanized Steel, Add	1.49	
05 12 23 00-0467 1/4" Thick <small>(05 12 23 00-0456)</small>		
05 12 23 00-0468 LF 1/4" Thick x 1" Wide Flat Steel Bar	2.45	1.23
For Galvanized Steel, Add	0.37	
05 12 23 00-0469 LF 1/4" Thick x 2" Wide Flat Steel Bar	3.97	1.86
For Galvanized Steel, Add	0.74	
05 12 23 00-0470 LF 1/4" Thick x 4" Wide Flat Steel Bar	5.49	2.12
For Galvanized Steel, Add	1.43	
05 12 23 00-0471 LF 1/4" Thick x 6" Wide Flat Steel Bar	7.98	3.13
For Galvanized Steel, Add	2.03	
05 12 23 00-0472 3/8" Thick <small>(05 12 23 00-0456)</small>		
05 12 23 00-0473 LF 3/8" Thick x 1" Wide Flat Steel Bar	3.02	1.39
For Galvanized Steel, Add	0.58	
05 12 23 00-0474 LF 3/8" Thick x 2" Wide Flat Steel Bar	4.84	2.08
For Galvanized Steel, Add	1.06	
05 12 23 00-0475 LF 3/8" Thick x 4" Wide Flat Steel Bar	6.99	2.38
For Galvanized Steel, Add	2.12	
05 12 23 00-0476 LF 3/8" Thick x 6" Wide Flat Steel Bar	10.09	3.52
For Galvanized Steel, Add	2.98	
05 12 23 00-0477 1/2" Thick <small>(05 12 23 00-0456)</small>		
05 12 23 00-0478 LF 1/2" Thick x 1" Wide Flat Steel Bar	3.49	1.52
For Galvanized Steel, Add	0.74	
05 12 23 00-0479 LF 1/2" Thick x 2" Wide Flat Steel Bar	5.62	2.30
For Galvanized Steel, Add	1.35	
05 12 23 00-0480 LF 1/2" Thick x 4" Wide Flat Steel Bar	7.64	2.61
For Galvanized Steel, Add	2.31	
05 12 23 00-0481 LF 1/2" Thick x 6" Wide Flat Steel Bar	13.23	3.87
For Galvanized Steel, Add	4.60	
05 12 23 00-0482 Flat Steel Plate <small>(05 12 23 00-0118)</small>		
05 12 23 00-0483 SF 1/8" Thick Flat Steel Plate.....	8.87	4.04
For 316 Stainless Steel, Add	8.96	
For Aluminum, Add	0.50	
For Galvanized Steel, Add	1.74	
For 304 Stainless Steel, Add	7.98	
05 12 23 00-0484 SF 3/16" Thick Flat Steel Plate.....	9.79	4.18
For 316 Stainless Steel, Add	11.20	
For Aluminum, Add	0.63	
For Galvanized Steel, Add	2.17	
For 304 Stainless Steel, Add	9.98	
05 12 23 00-0485 SF 1/4" Thick Flat Steel Plate.....	11.51	4.69
For 316 Stainless Steel, Add	14.27	
For Aluminum, Add	0.80	
For Galvanized Steel, Add	2.77	
For 304 Stainless Steel, Add	12.71	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0486 SF 3/8" Thick Flat Steel Plate..... For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add For 304 Stainless Steel, Add	14.94 22.43 1.26 4.35 19.98	5.28
05 12 23 00-0487 SF 1/2" Thick Flat Steel Plate..... For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add For 304 Stainless Steel, Add	17.45 27.94 1.57 5.41 24.88	5.81
05 12 23 00-0488 SF 3/4" Thick Flat Steel Plate..... For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add For 304 Stainless Steel, Add	27.27 52.38 2.95 10.15 46.65	7.19
05 12 23 00-0489 SF 1" Thick Flat Steel Plate..... For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add For 304 Stainless Steel, Add	36.03 71.71 4.03 13.89 63.87	8.99

05 13 Structural Stainless-Steel Framing (05 10)**05 13 00 00-0001 Stainless Steel Tube** (05 13)

05 13 00 00-0002 LF 1" x 1" Stainless Steel Tube.....	20.39	
05 13 00 00-0003 LF 1-1/2" x 1-1/2" Stainless Steel Tube.....	26.46	
05 13 00 00-0004 LF 2" x 2" Stainless Steel Tube.....	35.67	

05 14 Structural Aluminum Framing (05 10)**05 14 16 Structural Aluminum Framing** (05 14)**05 14 16 00-0001 Rolled Or Plate Shapes** (05 14 16)
Note: 1" through 10" member.

05 14 16 00-0002 LB Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members.....	6.66	3.34
05 14 16 00-0003 LB Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members.....	6.41	2.25

05 14 16 00-0004 Aluminum Extrusions (05 14 16)

05 14 16 00-0005 LB Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members.....	6.05	2.25
05 14 16 00-0006 LB Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members.....	6.28	2.25

05 14 16 00-0007 Aluminum Tubing (05 14 16)

05 14 16 00-0008 LB Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members.....	6.87	2.27
05 14 16 00-0009 LF 1" x 1" Aluminum Tubing, 1/8" Wall Thickness.....	8.60	3.69
05 14 16 00-0010 LF 1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness.....	9.76	4.02
05 14 16 00-0011 LF 1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness.....	11.32	4.70
05 14 16 00-0012 LF 2" x 2" Aluminum Tubing, 1/8" Wall Thickness.....	12.62	5.03
05 14 16 00-0013 LF 4" x 4" Aluminum Tubing, 1/4" Wall Thickness.....	24.56	6.37
05 14 16 00-0014 LF 2" x 5" Aluminum Tubing, 1/4" Wall Thickness.....	20.81	5.71

05 15 Wire Rope Assemblies (05 10)**05 15 16 Steel Wire Rope Assemblies** (05 15)**05 15 16 00-0001 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope** (05 15 16)

05 15 16 00-0002 LF 1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... For >500, Deduct	0.94 -0.17	0.07
05 15 16 00-0003 LF 5/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... For >500, Deduct	1.27 -0.22	0.07
05 15 16 00-0004 LF 3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... For >500, Deduct	1.52 -0.25	0.13
05 15 16 00-0005 LF 7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... For >500, Deduct	1.82 -0.29	0.13
05 15 16 00-0006 LF 1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... For >500, Deduct	2.12 -0.33	0.20
05 15 16 00-0007 LF 9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... For >500, Deduct	2.59 -0.40	0.27
05 15 16 00-0008 LF 5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... For >500, Deduct	3.10 -0.47	0.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0009 LF 3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	4.29	0.47
<i>For >500, Deduct</i>	-0.65	
05 15 16 00-0010 LF 7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	5.78	0.53
<i>For >500, Deduct</i>	-0.87	
05 15 16 00-0011 LF 1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	7.19	0.74
<i>For >500, Deduct</i>	-1.06	
05 15 16 00-0012 LF 1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	8.90	0.94
<i>For >500, Deduct</i>	-1.31	
05 15 16 00-0013 LF 1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	10.84	1.14
<i>For >500, Deduct</i>	-1.59	
05 15 16 00-0014 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope <small>(05 15 16)</small>		
05 15 16 00-0015 LF 1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.11	0.07
<i>For >500, Deduct</i>	-0.20	
05 15 16 00-0016 LF 5/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.44	0.07
<i>For >500, Deduct</i>	-0.25	
05 15 16 00-0017 LF 3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.79	0.13
<i>For >500, Deduct</i>	-0.31	
05 15 16 00-0018 LF 7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.03	0.13
<i>For >500, Deduct</i>	-0.34	
05 15 16 00-0019 LF 1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.42	0.20
<i>For >500, Deduct</i>	-0.39	
05 15 16 00-0020 LF 9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.80	0.27
<i>For >500, Deduct</i>	-0.44	
05 15 16 00-0021 LF 5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.27	0.27
<i>For >500, Deduct</i>	-0.51	
05 15 16 00-0022 LF 3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	4.79	0.47
<i>For >500, Deduct</i>	-0.75	
05 15 16 00-0023 LF 7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	6.14	0.53
<i>For >500, Deduct</i>	-0.94	
05 15 16 00-0024 LF 1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	7.55	0.74
<i>For >500, Deduct</i>	-1.14	
05 15 16 00-0025 LF 1-1/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	9.68	0.94
<i>For >500, Deduct</i>	-1.46	
05 15 16 00-0026 LF 1-1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	11.76	1.14
<i>For >500, Deduct</i>	-1.78	
05 15 16 00-0027 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope <small>(05 15 16)</small>		
05 15 16 00-0028 LF 1/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	0.88	0.07
<i>For >500, Deduct</i>	-0.15	
05 15 16 00-0029 LF 5/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.20	0.07
<i>For >500, Deduct</i>	-0.20	
05 15 16 00-0030 LF 3/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.43	0.13
<i>For >500, Deduct</i>	-0.23	
05 15 16 00-0031 LF 7/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.67	0.13
<i>For >500, Deduct</i>	-0.26	
05 15 16 00-0032 LF 1/2" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.02	0.20
<i>For >500, Deduct</i>	-0.31	
05 15 16 00-0033 LF 9/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.55	0.27
<i>For >500, Deduct</i>	-0.39	
05 15 16 00-0034 LF 5/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.98	0.27
<i>For >500, Deduct</i>	-0.45	
05 15 16 00-0035 LF 3/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	4.18	0.47
<i>For >500, Deduct</i>	-0.62	
05 15 16 00-0036 LF 7/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	5.13	0.53
<i>For >500, Deduct</i>	-0.74	
05 15 16 00-0037 LF 1" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	6.51	0.74
<i>For >500, Deduct</i>	-0.92	
05 15 16 00-0038 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope <small>(05 15 16)</small>		

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0039 LF 1/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....0.87		0.07
For >500, Deduct	-0.15	
05 15 16 00-0040 LF 5/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....1.15		0.07
For >500, Deduct	-0.19	
05 15 16 00-0041 LF 3/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....1.43		0.13
For >500, Deduct	-0.23	
05 15 16 00-0042 LF 7/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....1.67		0.13
For >500, Deduct	-0.26	
05 15 16 00-0043 LF 1/2" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....2.10		0.20
For >500, Deduct	-0.33	
05 15 16 00-0044 LF 9/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....2.52		0.27
For >500, Deduct	-0.38	
05 15 16 00-0045 LF 5/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....3.15		0.27
For >500, Deduct	-0.48	
05 15 16 00-0046 LF 3/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....4.38		0.47
For >500, Deduct	-0.66	
05 15 16 00-0047 LF 7/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....5.74		0.53
For >500, Deduct	-0.86	
05 15 16 00-0048 LF 1" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....7.07		0.74
For >500, Deduct	-1.04	
05 15 16 00-0049 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope (05 15 16)		
05 15 16 00-0050 LF 3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....1.61		0.13
For >500, Deduct	-0.27	
05 15 16 00-0051 LF 7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....1.89		0.13
For >500, Deduct	-0.31	
05 15 16 00-0052 LF 1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....2.22		0.20
For >500, Deduct	-0.35	
05 15 16 00-0053 LF 9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....2.98		0.27
For >500, Deduct	-0.48	
05 15 16 00-0054 LF 5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....3.29		0.27
For >500, Deduct	-0.51	
05 15 16 00-0055 LF 3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....4.48		0.47
For >500, Deduct	-0.68	
05 15 16 00-0056 LF 7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....5.76		0.53
For >500, Deduct	-0.86	
05 15 16 00-0057 LF 1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....7.58		0.74
For >500, Deduct	-1.14	
05 15 16 00-0058 LF 1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....9.19		0.94
For >500, Deduct	-1.37	
05 15 16 00-0059 LF 1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....11.08		1.14
For >500, Deduct	-1.64	
05 15 16 00-0060 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope (05 15 16)		
05 15 16 00-0061 LF 3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....1.66		0.13
For >500, Deduct	-0.28	
05 15 16 00-0062 LF 7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....2.00		0.13
For >500, Deduct	-0.33	
05 15 16 00-0063 LF 1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....2.37		0.20
For >500, Deduct	-0.38	
05 15 16 00-0064 LF 9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....3.31		0.27
For >500, Deduct	-0.54	
05 15 16 00-0065 LF 5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....3.34		0.27
For >500, Deduct	-0.52	
05 15 16 00-0066 LF 3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....4.59		0.47
For >500, Deduct	-0.71	
05 15 16 00-0067 LF 7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....6.09		0.53
For >500, Deduct	-0.93	
05 15 16 00-0068 LF 1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....7.69		0.74
For >500, Deduct	-1.16	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0069			19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <small>(05 15 16)</small>		
05 15 16 00-0070	LF		1/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	1.71 -0.32	0.07
05 15 16 00-0071	LF		5/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	1.85 -0.33	0.07
05 15 16 00-0072	LF		3/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	2.17 -0.38	0.13
05 15 16 00-0073	LF		7/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	2.91 -0.51	0.13
05 15 16 00-0074	LF		1/2" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	3.32 -0.59	0.13
05 15 16 00-0075	LF		9/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	3.84 -0.65	0.27
05 15 16 00-0076	LF		5/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	4.57 -0.77	0.27
05 15 16 00-0077	LF		3/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	6.29 -1.05	0.40
05 15 16 00-0078			7x7, Galvanized Finish, Aircraft Cable <small>(05 15 16)</small>		
05 15 16 00-0079	LF		1/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.20 -0.03	0.05
05 15 16 00-0080	LF		3/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.22 -0.03	0.05
05 15 16 00-0081	LF		1/8" Diameter, 7x7, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.25 -0.03	0.06
05 15 16 00-0082	LF		5/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.28 -0.04	0.07
05 15 16 00-0083	LF		3/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.36 -0.05	0.07
05 15 16 00-0084			7x19, Galvanized Finish, Aircraft Cable <small>(05 15 16)</small>		
05 15 16 00-0085	LF		1/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.35 -0.05	0.06
05 15 16 00-0086	LF		5/32" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.37 -0.05	0.07
05 15 16 00-0087	LF		3/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.43 -0.06	0.07
05 15 16 00-0088	LF		1/4" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.50 -0.08	0.07
05 15 16 00-0089	LF		5/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.77 -0.12	0.07
05 15 16 00-0090	LF		3/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	1.03 -0.15	0.07
05 15 16 00-0091			Heavy Duty, Galvanized Steel, Wire Rope Thimbles <small>(05 15 16)</small>		
05 15 16 00-0092	EA		1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	7.84	2.02
05 15 16 00-0093	EA		5/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	8.54	2.02
05 15 16 00-0094	EA		3/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	9.30	2.02
05 15 16 00-0095	EA		7/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	11.42	2.02
05 15 16 00-0096	EA		1/2" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	11.43	2.02
05 15 16 00-0097	EA		9/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	11.43	2.02
05 15 16 00-0098	EA		5/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	12.14	2.02
05 15 16 00-0099	EA		3/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	21.41	3.09
05 15 16 00-0100	EA		7/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	25.44	3.76
05 15 16 00-0101	EA		1" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	44.54	6.17
05 15 16 00-0102	EA		1-1/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	63.27	8.39
05 15 16 00-0103	EA		1-1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	63.27	8.39
05 15 16 00-0104	EA		1-3/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	126.11	17.52
05 15 16 00-0105	EA		1-1/2" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	180.58	25.17
05 15 16 00-0106	EA		1-5/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	290.82	28.18
05 15 16 00-0107	EA		1-3/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	343.55	33.56
05 15 16 00-0108	EA		1-7/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	454.88	42.28
05 15 16 00-0109	EA		2" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	454.88	42.28
05 15 16 00-0110	EA		2-1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	668.85	67.12
05 15 16 00-0111			Galvanized Steel, Wire Rope Clips <small>(05 15 16)</small>		
05 15 16 00-0112	EA		1/8" Diameter, Galvanized Steel, Wire Rope Clip	9.39	2.02
05 15 16 00-0113	EA		3/16" Diameter, Galvanized Steel, Wire Rope Clip	9.56	2.02



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 15 16 00-0114	EA	1/4" Diameter, Galvanized Steel, Wire Rope Clip.....	10.69	2.02
05 15 16 00-0115	EA	5/16" Diameter, Galvanized Steel, Wire Rope Clip.....	10.87	2.02
05 15 16 00-0116	EA	3/8" Diameter, Galvanized Steel, Wire Rope Clip.....	11.12	2.02
05 15 16 00-0117	EA	7/16" Diameter, Galvanized Steel, Wire Rope Clip.....	13.55	2.02
05 15 16 00-0118	EA	1/2" Diameter, Galvanized Steel, Wire Rope Clip.....	13.74	2.02
05 15 16 00-0119	EA	9/16" Diameter, Galvanized Steel, Wire Rope Clip.....	15.54	2.02
05 15 16 00-0120	EA	5/8" Diameter, Galvanized Steel, Wire Rope Clip.....	15.79	2.02
05 15 16 00-0121	EA	3/4" Diameter, Galvanized Steel, Wire Rope Clip.....	21.85	2.68
05 15 16 00-0122	EA	7/8" Diameter, Galvanized Steel, Wire Rope Clip.....	32.89	4.02
05 15 16 00-0123	EA	1" Diameter, Galvanized Steel, Wire Rope Clip.....	35.88	4.02
05 15 16 00-0124	EA	1-1/8" Diameter, Galvanized Steel, Wire Rope Clip.....	42.54	5.36
05 15 16 00-0125	EA	1-1/4" Diameter, Galvanized Steel, Wire Rope Clip.....	61.86	8.06
05 15 16 00-0126	EA	1-3/8" Diameter, Galvanized Steel, Wire Rope Clip.....	75.52	8.72
05 15 16 00-0127	EA	1-1/2" Diameter, Galvanized Steel, Wire Rope Clip.....	82.00	10.06
05 15 16 00-0128	EA	1-5/8" Diameter, Galvanized Steel, Wire Rope Clip.....	124.98	12.76
05 15 16 00-0129	EA	1-3/4" Diameter, Galvanized Steel, Wire Rope Clip.....	166.16	16.78
05 15 16 00-0130	EA	2" Diameter, Galvanized Steel, Wire Rope Clip.....	199.34	22.14
05 15 16 00-0131	EA	2-1/4" Diameter, Galvanized Steel, Wire Rope Clip.....	273.57	28.18
05 15 16 00-0132	EA	2-1/2" Diameter, Galvanized Steel, Wire Rope Clip.....	304.68	30.88
05 15 16 00-0133	EA	2-3/4" Diameter, Galvanized Steel, Wire Rope Clip.....	441.73	37.58
05 15 16 00-0134	EA	3" Diameter, Galvanized Steel, Wire Rope Clip.....	585.46	55.70

05 15 16 00-0135 Steel, Open Swage Sockets (05 15 16)

05 15 16 00-0136	EA	1/4" Diameter, Steel, Open Swage Socket.....	37.28	2.02
05 15 16 00-0137	EA	5/16" Diameter, Steel, Open Swage Socket.....	58.30	2.02
05 15 16 00-0138	EA	3/8" Diameter, Steel, Open Swage Socket.....	60.96	2.68
05 15 16 00-0139	EA	7/16" Diameter, Steel, Open Swage Socket.....	73.18	3.36
05 15 16 00-0140	EA	1/2" Diameter, Steel, Open Swage Socket.....	73.18	3.36
05 15 16 00-0141	EA	9/16" Diameter, Steel, Open Swage Socket.....	110.74	7.38
05 15 16 00-0142	EA	5/8" Diameter, Steel, Open Swage Socket.....	110.74	7.38
05 15 16 00-0143	EA	3/4" Diameter, Steel, Open Swage Socket.....	147.87	14.10
05 15 16 00-0144	EA	7/8" Diameter, Steel, Open Swage Socket.....	200.42	20.14
05 15 16 00-0145	EA	1" Diameter, Steel, Open Swage Socket.....	286.23	30.88
05 15 16 00-0146	EA	1-1/8" Diameter, Steel, Open Swage Socket.....	387.70	48.32
05 15 16 00-0147	EA	1-1/4" Diameter, Steel, Open Swage Socket.....	451.56	55.70
05 15 16 00-0148	EA	1-3/8" Diameter, Steel, Open Swage Socket.....	606.82	73.82
05 15 16 00-0149	EA	1-1/2" Diameter, Steel, Open Swage Socket.....	882.67	93.96
05 15 16 00-0150	EA	1-3/4" Diameter, Steel, Open Swage Socket.....	1,333.17	114.09
05 15 16 00-0151	EA	2" Diameter, Steel, Open Swage Socket.....	2,233.66	221.47

05 15 16 00-0152 Steel, Closed Swage Sockets (05 15 16)

05 15 16 00-0153	EA	1/4" Diameter, Steel, Closed Swage Socket.....	30.48	2.02
05 15 16 00-0154	EA	5/16" Diameter, Steel, Closed Swage Socket.....	40.37	2.02
05 15 16 00-0155	EA	3/8" Diameter, Steel, Closed Swage Socket.....	40.37	2.02
05 15 16 00-0156	EA	7/16" Diameter, Steel, Closed Swage Socket.....	50.77	2.68
05 15 16 00-0157	EA	1/2" Diameter, Steel, Closed Swage Socket.....	51.51	2.68
05 15 16 00-0158	EA	9/16" Diameter, Steel, Closed Swage Socket.....	72.55	4.70
05 15 16 00-0159	EA	5/8" Diameter, Steel, Closed Swage Socket.....	75.74	5.36
05 15 16 00-0160	EA	3/4" Diameter, Steel, Closed Swage Socket.....	95.89	8.72
05 15 16 00-0161	EA	7/8" Diameter, Steel, Closed Swage Socket.....	126.31	12.76
05 15 16 00-0162	EA	1" Diameter, Steel, Closed Swage Socket.....	180.51	17.44
05 15 16 00-0163	EA	1-1/8" Diameter, Steel, Closed Swage Socket.....	226.84	24.16
05 15 16 00-0164	EA	1-1/4" Diameter, Steel, Closed Swage Socket.....	314.68	37.58
05 15 16 00-0165	EA	1-3/8" Diameter, Steel, Closed Swage Socket.....	412.53	48.32
05 15 16 00-0166	EA	1-1/2" Diameter, Steel, Closed Swage Socket.....	568.13	67.12
05 15 16 00-0167	EA	1-3/4" Diameter, Steel, Closed Swage Socket.....	777.11	87.24
05 15 16 00-0168	EA	2" Diameter, Steel, Closed Swage Socket.....	1,389.85	134.22

05 15 16 00-0169 Galvanized Steel, Open Spelter Sockets (05 15 16)

05 15 16 00-0170	EA	1/4" Galvanized Steel, Open Spelter Socket.....	60.72	2.02
05 15 16 00-0171	EA	5/16" Galvanized Steel, Open Spelter Socket.....	63.01	2.02
05 15 16 00-0172	EA	3/8" Galvanized Steel, Open Spelter Socket.....	63.01	2.02
05 15 16 00-0173	EA	7/16" Galvanized Steel, Open Spelter Socket.....	72.53	4.02
05 15 16 00-0174	EA	1/2" Galvanized Steel, Open Spelter Socket.....	72.53	4.02
05 15 16 00-0175	EA	9/16" Galvanized Steel, Open Spelter Socket.....	97.50	6.72
05 15 16 00-0176	EA	5/8" Galvanized Steel, Open Spelter Socket.....	97.50	6.72
05 15 16 00-0177	EA	3/4" Galvanized Steel, Open Spelter Socket.....	125.97	10.06
05 15 16 00-0178	EA	7/8" Galvanized Steel, Open Spelter Socket.....	190.80	16.78
05 15 16 00-0179	EA	1" Galvanized Steel, Open Spelter Socket.....	339.98	26.18
05 15 16 00-0180	EA	1-1/8" Galvanized Steel, Open Spelter Socket.....	416.93	42.28
05 15 16 00-0181	EA	1-1/4" Galvanized Steel, Open Spelter Socket.....	562.40	55.70
05 15 16 00-0182	EA	1-3/8" Galvanized Steel, Open Spelter Socket.....	562.40	55.70
05 15 16 00-0183	EA	1-1/2" Galvanized Steel, Open Spelter Socket.....	1,014.68	73.82
05 15 16 00-0184	EA	1-5/8" Galvanized Steel, Open Spelter Socket.....	1,208.07	93.96
05 15 16 00-0185	EA	1-3/4" Galvanized Steel, Open Spelter Socket.....	1,832.87	147.64
05 15 16 00-0186	EA	1-7/8" Galvanized Steel, Open Spelter Socket.....	1,832.87	147.64
05 15 16 00-0187	EA	2" Galvanized Steel, Open Spelter Socket.....	1,719.40	221.47
05 15 16 00-0188	EA	2-1/8" Galvanized Steel, Open Spelter Socket.....	1,719.40	221.47



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0189	EA	2-3/8" Galvanized Steel, Open Spelter Socket	3,075.35	281.87
05 15 16 00-0190	EA	2-1/2" Galvanized Steel, Open Spelter Socket	3,075.35	281.87
05 15 16 00-0191 Galvanized Steel, Closed Spelter Sockets (05 15 16)				
05 15 16 00-0192	EA	1/4" Galvanized Steel, Closed Spelter Socket	51.31	2.02
05 15 16 00-0193	EA	5/16" Galvanized Steel, Closed Spelter Socket	51.57	2.02
05 15 16 00-0194	EA	3/8" Galvanized Steel, Closed Spelter Socket	51.57	2.02
05 15 16 00-0195	EA	7/16" Galvanized Steel, Closed Spelter Socket	59.46	3.36
05 15 16 00-0196	EA	1/2" Galvanized Steel, Closed Spelter Socket	59.46	3.36
05 15 16 00-0197	EA	9/16" Galvanized Steel, Closed Spelter Socket	85.47	6.04
05 15 16 00-0198	EA	5/8" Galvanized Steel, Closed Spelter Socket	85.47	6.04
05 15 16 00-0199	EA	3/4" Galvanized Steel, Closed Spelter Socket	107.40	8.72
05 15 16 00-0200	EA	7/8" Galvanized Steel, Closed Spelter Socket	157.61	13.42
05 15 16 00-0201	EA	1" Galvanized Steel, Closed Spelter Socket	239.06	20.80
05 15 16 00-0202	EA	1-1/8" Galvanized Steel, Closed Spelter Socket	313.70	28.18
05 15 16 00-0203	EA	1-1/4" Galvanized Steel, Closed Spelter Socket	398.29	37.58
05 15 16 00-0204	EA	1-3/8" Galvanized Steel, Closed Spelter Socket	398.29	37.58
05 15 16 00-0205	EA	1-1/2" Galvanized Steel, Closed Spelter Socket	729.95	48.32
05 15 16 00-0206	EA	1-5/8" Galvanized Steel, Closed Spelter Socket	858.49	61.07
05 15 16 00-0207	EA	1-3/4" Galvanized Steel, Closed Spelter Socket	1,090.15	93.96
05 15 16 00-0208	EA	1-7/8" Galvanized Steel, Closed Spelter Socket	1,090.15	93.96
05 15 16 00-0209	EA	2" Galvanized Steel, Closed Spelter Socket	1,413.79	134.22
05 15 16 00-0210	EA	2-1/8" Galvanized Steel, Closed Spelter Socket	1,413.79	134.22
05 15 16 00-0211	EA	2-3/8" Galvanized Steel, Closed Spelter Socket	1,801.76	181.20
05 15 16 00-0212	EA	2-1/2" Galvanized Steel, Closed Spelter Socket	2,152.87	181.20
05 15 16 00-0213 Forged Steel, Jaw And Jaw Turnbuckles (05 15 16)				
05 15 16 00-0214	EA	1/4" x 4", Forged Steel, Jaw And Jaw Turnbuckle	36.07	2.02
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-4.40	
05 15 16 00-0215	EA	5/16" x 4-1/2", Forged Steel, Jaw And Jaw Turnbuckle	38.51	2.02
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-4.77	
05 15 16 00-0216	EA	3/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	43.03	2.02
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-5.45	
05 15 16 00-0217	EA	1/2" x 6", Forged Steel, Jaw And Jaw Turnbuckle	49.05	2.68
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-5.67	
05 15 16 00-0218	EA	1/2" x 9", Forged Steel, Jaw And Jaw Turnbuckle	64.26	3.36
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-7.54	
05 15 16 00-0219	EA	1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	73.09	4.02
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-8.54	
05 15 16 00-0220	EA	5/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	75.89	5.36
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-8.29	
05 15 16 00-0221	EA	5/8" x 9", Forged Steel, Jaw And Jaw Turnbuckle	92.77	5.36
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-10.56	
05 15 16 00-0222	EA	5/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	104.83	6.04
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-12.13	
05 15 16 00-0223	EA	3/4" x 6", Forged Steel, Jaw And Jaw Turnbuckle	102.59	7.38
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-11.10	
05 15 16 00-0224	EA	3/4" x 9", Forged Steel, Jaw And Jaw Turnbuckle	117.78	8.72
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-12.37	
05 15 16 00-0225	EA	3/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	143.60	9.40
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-15.79	
05 15 16 00-0226	EA	3/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	172.80	11.40
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-18.98	
05 15 16 00-0227	EA	7/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	200.64	16.10
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-20.51	
05 15 16 00-0228	EA	7/8" x 18", Forged Steel, Jaw And Jaw Turnbuckle	242.32	18.80
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-25.16	
05 15 16 00-0229	EA	1" x 6", Forged Steel, Jaw And Jaw Turnbuckle	207.56	16.10
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-21.55	
05 15 16 00-0230	EA	1" x 12", Forged Steel, Jaw And Jaw Turnbuckle	241.27	20.80
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-23.61	
05 15 16 00-0231	EA	1" x 18", Forged Steel, Jaw And Jaw Turnbuckle	326.68	26.18
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-33.51	
05 15 16 00-0232	EA	1" x 24", Forged Steel, Jaw And Jaw Turnbuckle	367.62	30.88
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-36.84	
05 15 16 00-0233	EA	1-1/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	414.25	37.58
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-39.77	
05 15 16 00-0234	EA	1-1/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	495.84	42.28
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-49.21	
05 15 16 00-0235	EA	1-1/4" x 24", Forged Steel, Jaw And Jaw Turnbuckle	633.30	48.32
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-66.23	
05 15 16 00-0236	EA	1-1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	632.08	51.68
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-63.84	
05 15 16 00-0237	EA	1-1/2" x 18", Forged Steel, Jaw And Jaw Turnbuckle	710.00	67.12
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-66.23	
05 15 16 00-0238	EA	1-1/2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	1,226.65	87.24
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-133.66	
05 15 16 00-0239	EA	2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	2,054.28	167.78
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-207.48	



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0240	Galvanized Steel, Drop Forged, Shoulder Eye Bolts (05 15 16)		
05 15 16 00-0241	EA 1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	7.86	
05 15 16 00-0242	EA 5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	7.90	
05 15 16 00-0243	EA 3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	8.81	
05 15 16 00-0244	EA 7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	10.50	
05 15 16 00-0245	EA 1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	10.46	
05 15 16 00-0246	EA 5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	14.11	
05 15 16 00-0247	EA 3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	16.77	
05 15 16 00-0248	EA 7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	22.46	
05 15 16 00-0249	EA 1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	29.81	
05 15 16 00-0250	EA 1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	43.08	
05 15 16 00-0251	EA 1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	51.17	
05 15 16 00-0252	EA 1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	92.17	
05 15 16 00-0253	EA 1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	105.63	
05 15 16 00-0254	EA 2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	130.43	
05 15 16 00-0255	Galvanized Steel, Drop Forged, Eye Bolts (05 15 16)		
05 15 16 00-0256	EA 1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	10.15	
05 15 16 00-0257	EA 1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	9.25	
05 15 16 00-0258	EA 5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	12.27	
05 15 16 00-0259	EA 5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	8.48	
05 15 16 00-0260	EA 3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	11.18	
05 15 16 00-0261	EA 3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	16.52	
05 15 16 00-0262	EA 3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	16.06	
05 15 16 00-0263	EA 3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	15.30	
05 15 16 00-0264	EA 3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	13.78	
05 15 16 00-0265	EA 3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	14.22	
05 15 16 00-0266	EA 1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	12.70	
05 15 16 00-0267	EA 1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	10.29	
05 15 16 00-0268	EA 1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	13.18	
05 15 16 00-0269	EA 1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	17.74	
05 15 16 00-0270	EA 1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	13.66	
05 15 16 00-0271	EA 1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	21.51	
05 15 16 00-0272	EA 1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	19.05	
05 15 16 00-0273	EA 1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	17.47	
05 15 16 00-0274	EA 1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	20.40	
05 15 16 00-0275	EA 5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	20.73	
05 15 16 00-0276	EA 5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	18.56	
05 15 16 00-0277	EA 5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	23.14	
05 15 16 00-0278	EA 5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	26.42	
05 15 16 00-0279	EA 5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	30.34	
05 15 16 00-0280	EA 5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	25.23	
05 15 16 00-0281	EA 3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	25.16	
05 15 16 00-0282	EA 3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	25.66	
05 15 16 00-0283	EA 3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	28.30	
05 15 16 00-0284	EA 3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	30.46	
05 15 16 00-0285	EA 3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	35.44	
05 15 16 00-0286	EA 1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	46.72	
05 15 19	Stainless Steel Wire Rope Assemblies (05 15)		
05 15 19 00-0001	7x7, 304 Stainless Steel, Aircraft Cable (05 15 19)		
05 15 19 00-0002	LF 1/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable.....	0.35	0.05
	For >500, Deduct	-0.06	
05 15 19 00-0003	LF 3/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable.....	0.46	0.05
	For >500, Deduct	-0.08	
05 15 19 00-0004	LF 1/8" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable.....	0.66	0.06
	For >500, Deduct	-0.11	
05 15 19 00-0005	LF 5/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable.....	0.90	0.07
	For >500, Deduct	-0.16	
05 15 19 00-0006	LF 3/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable.....	1.16	0.07
	For >500, Deduct	-0.21	
05 15 19 00-0007	7x19, 304 Stainless Steel, Aircraft Cable (05 15 19)		
05 15 19 00-0008	LF 1/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	0.78	0.06
	For >500, Deduct	-0.14	
05 15 19 00-0009	LF 5/32" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	0.91	0.07
	For >500, Deduct	-0.16	
05 15 19 00-0010	LF 3/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	1.08	0.07
	For >500, Deduct	-0.19	
05 15 19 00-0011	LF 1/4" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	1.48	0.07
	For >500, Deduct	-0.27	
05 15 19 00-0012	LF 5/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	2.25	0.07
	For >500, Deduct	-0.41	
05 15 19 00-0013	LF 3/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	3.41	0.13
	For >500, Deduct	-0.63	



Metals	05	05
Structural Metal Framing	05 10	
Wire Rope Assemblies	05 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0014 7x7, 316 Stainless Steel, Aircraft Cable <small>(05 15 19)</small>		
05 15 19 00-0015 LF 1/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable.....	0.35	0.05
<i>For >500, Deduct</i>	-0.06	
05 15 19 00-0016 LF 3/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable.....	0.46	0.05
<i>For >500, Deduct</i>	-0.08	
05 15 19 00-0017 LF 1/8" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable.....	0.66	0.06
<i>For >500, Deduct</i>	-0.11	
05 15 19 00-0018 LF 5/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable.....	0.90	0.07
<i>For >500, Deduct</i>	-0.16	
05 15 19 00-0019 LF 3/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable.....	1.16	0.07
<i>For >500, Deduct</i>	-0.21	
05 15 19 00-0020 7x19, 316 Stainless Steel, Aircraft Cable <small>(05 15 19)</small>		
05 15 19 00-0021 LF 1/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	0.78	0.06
<i>For >500, Deduct</i>	-0.14	
05 15 19 00-0022 LF 5/32" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	0.91	0.07
<i>For >500, Deduct</i>	-0.16	
05 15 19 00-0023 LF 3/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	1.08	0.07
<i>For >500, Deduct</i>	-0.19	
05 15 19 00-0024 LF 1/4" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	1.48	0.07
<i>For >500, Deduct</i>	-0.27	
05 15 19 00-0025 LF 5/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	2.25	0.07
<i>For >500, Deduct</i>	-0.41	
05 15 19 00-0026 LF 3/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	3.41	0.07
<i>For >500, Deduct</i>	-0.63	
05 40 Cold-Formed Metal Framing <small>(05)</small>		
Note: Includes all connecting bolts and welds.		
05 41 Structural Metal Stud Framing <small>(05 40)</small>		
Note: Includes all necessary framing studs, bridging, fasteners necessary to attach to floors, walls, ceilings and a metal stiffener at half height. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.		
05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners <small>(05 41)</small>		
05 41 00 00-0002 SF 2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	2.70	0.52
<i>For Walls >10' High, Add</i>	0.54	
<i>For Curved Wall, Add</i>	0.37	
<i>For Up To 200, Add</i>	0.79	
<i>For >200 To 500, Add</i>	0.39	
<i>For 12" On Center, Add</i>	0.48	
<i>For 24" On Center, Deduct</i>	-0.48	
05 41 00 00-0003 SF 3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	3.03	0.52
<i>For Walls >10' High, Add</i>	0.61	
<i>For Curved Wall, Add</i>	0.39	
<i>For Up To 200, Add</i>	0.87	
<i>For >200 To 500, Add</i>	0.43	
<i>For 12" On Center, Add</i>	0.54	
<i>For 24" On Center, Deduct</i>	-0.54	
05 41 00 00-0004 SF 4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	3.15	0.52
<i>For Walls >10' High, Add</i>	0.63	
<i>For Curved Wall, Add</i>	0.41	
<i>For Up To 200, Add</i>	0.90	
<i>For >200 To 500, Add</i>	0.45	
<i>For 12" On Center, Add</i>	0.56	
<i>For 24" On Center, Deduct</i>	-0.56	
05 41 00 00-0005 SF 6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	4.01	0.58
<i>For Walls >10' High, Add</i>	0.80	
<i>For Curved Wall, Add</i>	0.42	
<i>For Up To 200, Add</i>	1.08	
<i>For >200 To 500, Add</i>	0.54	
<i>For 12" On Center, Add</i>	0.73	
<i>For 24" On Center, Deduct</i>	-0.73	
05 41 00 00-0006 SF 8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	4.47	0.64
<i>For Walls >10' High, Add</i>	0.89	
<i>For Curved Wall, Add</i>	0.44	
<i>For Up To 200, Add</i>	1.19	
<i>For >200 To 500, Add</i>	0.59	
<i>For 12" On Center, Add</i>	0.82	
<i>For 24" On Center, Deduct</i>	-0.82	
05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners <small>(05 41)</small>		

05 Metals**05 40 Cold-Formed Metal Framing****05 41 Structural Metal Stud Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0008	SF		2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	2.91	0.52
			<i>For Walls >10' High, Add</i>	0.58	
			<i>For Curved Wall, Add</i>	0.39	
			<i>For Up To 200, Add</i>	0.84	
			<i>For >200 To 500, Add</i>	0.42	
			<i>For 12" On Center, Add</i>	0.52	
			<i>For 24" On Center, Deduct</i>	-0.52	
05 41 00 00-0009	SF		3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	3.36	0.53
			<i>For Walls >10' High, Add</i>	0.67	
			<i>For Curved Wall, Add</i>	0.41	
			<i>For Up To 200, Add</i>	0.94	
			<i>For >200 To 500, Add</i>	0.47	
			<i>For 12" On Center, Add</i>	0.60	
			<i>For 24" On Center, Deduct</i>	-0.60	
05 41 00 00-0010	SF		4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	3.54	0.53
			<i>For Walls >10' High, Add</i>	0.71	
			<i>For Curved Wall, Add</i>	0.42	
			<i>For Up To 200, Add</i>	0.99	
			<i>For >200 To 500, Add</i>	0.50	
			<i>For 12" On Center, Add</i>	0.64	
			<i>For 24" On Center, Deduct</i>	-0.64	
05 41 00 00-0011	SF		6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	4.48	0.64
			<i>For Walls >10' High, Add</i>	0.90	
			<i>For Curved Wall, Add</i>	0.44	
			<i>For Up To 200, Add</i>	1.19	
			<i>For >200 To 500, Add</i>	0.60	
			<i>For 12" On Center, Add</i>	0.82	
			<i>For 24" On Center, Deduct</i>	-0.82	
05 41 00 00-0012	SF		8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	4.93	0.70
			<i>For Walls >10' High, Add</i>	0.99	
			<i>For Curved Wall, Add</i>	0.47	
			<i>For Up To 200, Add</i>	1.30	
			<i>For >200 To 500, Add</i>	0.65	
			<i>For 12" On Center, Add</i>	0.91	
			<i>For 24" On Center, Deduct</i>	-0.91	
05 41 00 00-0013 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners <small>(05 41)</small>					
05 41 00 00-0014	SF		3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	3.99	0.73
			<i>For Walls >10' High, Add</i>	0.80	
			<i>For Curved Wall, Add</i>	0.49	
			<i>For Up To 200, Add</i>	1.12	
			<i>For >200 To 500, Add</i>	0.56	
			<i>For 12" On Center, Add</i>	0.72	
			<i>For 24" On Center, Deduct</i>	-0.72	
05 41 00 00-0015	SF		4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	4.10	0.75
			<i>For Walls >10' High, Add</i>	0.82	
			<i>For Curved Wall, Add</i>	0.50	
			<i>For Up To 200, Add</i>	1.15	
			<i>For >200 To 500, Add</i>	0.58	
			<i>For 12" On Center, Add</i>	0.74	
			<i>For 24" On Center, Deduct</i>	-0.74	
05 41 00 00-0016	SF		6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	5.14	0.79
			<i>For Walls >10' High, Add</i>	1.03	
			<i>For Curved Wall, Add</i>	0.52	
			<i>For Up To 200, Add</i>	1.38	
			<i>For >200 To 500, Add</i>	0.69	
			<i>For 12" On Center, Add</i>	0.94	
			<i>For 24" On Center, Deduct</i>	-0.94	
05 41 00 00-0017	SF		8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	5.65	0.82
			<i>For Walls >10' High, Add</i>	1.13	
			<i>For Curved Wall, Add</i>	0.55	
			<i>For Up To 200, Add</i>	1.49	
			<i>For >200 To 500, Add</i>	0.75	
			<i>For 12" On Center, Add</i>	1.04	
			<i>For 24" On Center, Deduct</i>	-1.04	
05 43 Slotted Channel Framing <small>(05 40)</small>					
05 43 00 00-0001 Unistrut Channel <small>(05 43)</small>					
05 43 00 00-0002 Steel Unistrut Channel <small>(05 43 00 00-0001)</small>					
05 43 00 00-0003	LF		1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	7.53	1.51
			<i>For Powder Coating, Add</i>	0.68	
			<i>For Galvanizing, Add</i>	0.77	
05 43 00 00-0004	LF		1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	7.75	1.51
			<i>For Powder Coating, Add</i>	0.71	
			<i>For Galvanizing, Add</i>	0.80	
05 43 00 00-0005	LF		1-5/8" Wide x 1-3/16" High, 12 Gauge, Steel Unistrut Channel.....	8.09	1.51
			<i>For Powder Coating, Add</i>	0.76	
			<i>For Galvanizing, Add</i>	0.86	
05 43 00 00-0006	LF		1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	7.10	1.51
			<i>For Powder Coating, Add</i>	0.61	
			<i>For Galvanizing, Add</i>	0.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0007 LF 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel <i>For Powder Coating, Add</i> <i>For Galvanizing, Add</i>	6.14 0.47 0.53	1.51
05 43 00 00-0008 Stainless Steel Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0009 304 Stainless Steel Unistrut Channel (05 43 00 00-0008)		
05 43 00 00-0010 LF 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	14.88	1.51
05 43 00 00-0011 LF 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	17.77	1.51
05 43 00 00-0012 LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	17.05	1.51
05 43 00 00-0013 LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	21.52	1.51
05 43 00 00-0014 316 Stainless Steel Unistrut Channel (05 43 00 00-0008)		
05 43 00 00-0015 LF 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	24.27	1.51
05 43 00 00-0016 Unistrut Closure Strips (05 43)		
05 43 00 00-0017 LF Raceway Closure Strip For Unistrut Channel	4.06	0.33
05 43 00 00-0018 Lock Nuts With Spring For Unistrut Channel (05 43)		
Note: Includes hex bolt.		
05 43 00 00-0019 Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0018)		
Note: Includes hex bolt.		
05 43 00 00-0020 EA 1/4-20, Steel Lock Nut With Spring For Unistrut Channel.....	4.67	
05 43 00 00-0021 EA 3/8-16, Steel Lock Nut With Spring For Unistrut Channel.....	5.13	
05 43 00 00-0022 EA 1/2-13, Steel Lock Nut With Spring For Unistrut Channel.....	5.48	
05 43 00 00-0023 EA 5/8-11, Steel Lock Nut With Spring For Unistrut Channel.....	7.36	
05 43 00 00-0024 Stainless Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0018)		
Note: Includes hex bolt.		
05 43 00 00-0025 EA 1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	8.80	
05 43 00 00-0026 EA 3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	9.33	
05 43 00 00-0027 EA 1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	12.97	
05 43 00 00-0028 EA 5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	21.79	
05 43 00 00-0029 Lock Nuts Without Spring For Unistrut Channel (05 43)		
Note: Includes hex bolt.		
05 43 00 00-0030 Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0029)		
Note: Includes hex bolt.		
05 43 00 00-0031 EA 1/4-20, Steel Lock Nut Without Spring For Unistrut Channel.....	4.68	
05 43 00 00-0032 EA 3/8-16, Steel Lock Nut Without Spring For Unistrut Channel.....	5.20	
05 43 00 00-0033 EA 1/2-13, Steel Lock Nut Without Spring For Unistrut Channel.....	5.51	
05 43 00 00-0034 EA 5/8-11, Steel Lock Nut Without Spring For Unistrut Channel.....	7.91	
05 43 00 00-0035 Stainless Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0029)		
Note: Includes hex bolt.		
05 43 00 00-0036 EA 1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	6.46	
05 43 00 00-0037 EA 3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	7.68	
05 43 00 00-0038 EA 1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	8.32	
05 43 00 00-0039 EA 5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	21.24	
05 43 00 00-0040 Beam Clamp For Unistrut Channel (05 43)		
05 43 00 00-0041 EA Unistrut Beam Clamp, 1-5/8" Channel P2675.....	13.57	5.03
05 43 00 00-0042 EA Unistrut Beam Clamp, 1-5/8" Channel P2676.....	16.84	5.03
05 43 00 00-0043 EA Add For Unistrut Swivel Nut, P2676	1.78	
05 43 00 00-0044 Beam Clamp Clevis Hangers (05 43)		
05 43 00 00-0045 EA Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674).....	14.70	5.03
05 43 00 00-0046 EA Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677).....	17.31	5.03
05 43 00 00-0047 EA Add For Unistrut Swivel Nut.....	1.78	
05 43 00 00-0048 EA 6-Hole Electrogalvanized Steel Shelf Bracket For Unistrut.....	92.36	6.72

05 45 Metal Support Assemblies (05 40)

05 45 13 Mechanical Metal Supports (05 45)
See CSI section 23 05 29 00-0000 for metal supports.

05 45 16 Electrical Metal Supports (05 45)
See CSI section 26 05 29 00-0000 for metal supports.

05 50 Metal Fabrications (05)

05	05 Metals
	05 50 Metal Fabrications
	05 51 Metal Stairs



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 51 Metal Stairs (05 50)

05 51 13 Metal Pan Stairs (05 51)

Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail.
See CSI section 05 52 13 00-0000 for handrails.

05 51 13 00-0001 Open Concrete Filled Metal Pan Stair And Landing (05 51 13)

Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.

05 51 13 00-0002	RSR 3'-6" Wide Open Concrete Filled Metal Pan Tread Stair.....	523.21	
	<i>For Closed Riser, Add</i>	60.11	
05 51 13 00-0003	RSR 4'-0" Wide Open Concrete Filled Metal Pan Tread Stair.....	594.78	19.52
	<i>For Closed Riser, Add</i>	68.25	
05 51 13 00-0004	RSR 5'-0" Wide Open Concrete Filled Metal Pan Tread Stair.....	663.05	22.77
	<i>For Closed Riser, Add</i>	75.91	
05 51 13 00-0005	SF Concrete Filled Steel Pan Landing.....	68.98	26.68
	Note: Conventional shape.		3.25

05 51 19 Metal Grating Stairs (05 51)

Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing (05 51 19)

Note: Includes steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0002	RSR 3'-6" Wide Open Steel Grating Tread Metal Stair.....	257.17	
	<i>For Closed Riser, Add</i>	30.57	
	<i>For Galvanized Steel, Add</i>	51.28	
05 51 19 00-0003	RSR 4'-0" Wide Open Steel Grating Tread Metal Stair.....	274.75	26.02
	<i>For Closed Riser, Add</i>	32.43	
	<i>For Galvanized Steel, Add</i>	53.72	
05 51 19 00-0004	RSR 5'-0" Wide Open Steel Grating Tread Metal Stair.....	304.70	29.93
	<i>For Closed Riser, Add</i>	35.75	
	<i>For Galvanized Steel, Add</i>	58.61	
05 51 19 00-0005	SF Steel Grating Landing With Framing And 2 Pipe Handrail.....	48.17	35.13
	Note: Conventional shape.		3.25
	<i>For Galvanized Steel, Add</i>	8.79	

05 51 33 Metal Ladders (05 51)

Note: Includes factory prime.

05 51 33 13 Vertical Metal Ladders (05 51 33)

05 51 33 13-0001 Vertical Ladders (05 51 33 13)

Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"

05 51 33 13-0002	VLF 20" Wide Vertical Steel Ladder Primed.....	69.45	
	<i>For Galvanized Steel, Add</i>	11.24	
	<i>For Aluminum, Add</i>	22.48	
05 51 33 13-0003	VLF 24" Wide Vertical Steel Ladder Primed.....	80.84	7.81
	<i>For Galvanized Steel, Add</i>	14.09	
	<i>For Aluminum, Add</i>	28.18	
05 51 33 13-0004	VLF 20" Wide Vertical Steel Caged Ladder Primed.....	172.07	13.01
	<i>For Galvanized Steel, Add</i>	32.65	
	<i>For Aluminum, Add</i>	65.30	
05 51 33 13-0005	VLF 24" Wide Vertical Steel Caged Ladder Primed.....	194.86	13.01
	<i>For Galvanized Steel, Add</i>	38.35	
	<i>For Aluminum, Add</i>	76.70	

05 51 33 13-0006 Vertical Ladders Options (05 51 33 13)

05 51 33 13-0007	EA 20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed.....	192.34	
	Note: Extends 42" above landing surface. Includes mounting bracket.		24.40
	<i>For Galvanized Steel, Add</i>	35.89	
	<i>For Aluminum, Add</i>	71.78	
05 51 33 13-0008	EA 24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed.....	210.37	26.02
	Note: Extends 42" above landing surface. Includes mounting bracket.		
	<i>For Galvanized Steel, Add</i>	39.58	
	<i>For Aluminum, Add</i>	79.16	
05 51 33 13-0009	EA Security Cage Entry Gate With Lockable Hasp.....	280.14	8.14
05 51 33 13-0010	EA 6' Security Ladder Guard.....	607.40	48.79
05 51 33 13-0011	EA 8' Security Ladder Guard.....	726.05	56.93
05 51 33 13-0012	EA Safety Chain Attachment.....	110.12	

05 51 33 13-0013 Welded Steel Ladder Cages (05 51 33 13)

Note: For existing fixed ladders up to 20" wide. Excludes the ladder.

05 51 33 13-0014 Powder Coated, Welded Steel Ladder Cages (05 51 33 13-0013)

05 51 33 13-0015	EA 7-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,123.38	97.59
05 51 33 13-0016	EA 8-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,218.97	100.85
05 51 33 13-0017	EA 9-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,295.18	104.10
05 51 33 13-0018	EA 10-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,376.56	107.35
05 51 33 13-0019	EA 11-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,424.37	110.61
05 51 33 13-0020	EA 12-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,501.89	113.86
05 51 33 13-0021	EA 13-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,570.36	117.11
05 51 33 13-0022	EA 14-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,659.48	120.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 13-0023 EA 15-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,746.03	123.62
05 51 33 13-0024 EA 16-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,817.08	126.87
05 51 33 13-0025 EA 17-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,903.63	130.12
05 51 33 13-0026 EA 18-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,987.59	133.38
05 51 33 13-0027 EA 19-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,070.27	136.63
05 51 33 13-0028 EA 20-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,220.07	139.88
05 51 33 13-0029 EA 21-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,265.30	143.14
05 51 33 13-0030 EA 22-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,342.81	146.39
05 51 33 13-0031 EA 23-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,413.86	149.64
05 51 33 13-0032 EA 24-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,479.77	152.89
05 51 33 13-0033 EA 25-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,625.69	156.15
05 51 33 13-0034 EA 26-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,704.49	159.40
05 51 33 13-0035 EA 27-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,778.13	162.65

05 51 33 13-0036 Stainless Steel, Welded Steel Ladder Cages (05 51 33 13-0013)

05 51 33 13-0037 EA 7-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	2,649.88	97.59
05 51 33 13-0038 EA 8-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	2,830.14	100.85
05 51 33 13-0039 EA 9-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,129.93	104.10
05 51 33 13-0040 EA 10-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,278.15	107.35
05 51 33 13-0041 EA 11-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,402.95	110.61
05 51 33 13-0042 EA 12-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,568.42	113.86
05 51 33 13-0043 EA 13-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,865.75	117.11
05 51 33 13-0044 EA 14-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,016.43	120.37
05 51 33 13-0045 EA 15-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,172.04	123.62
05 51 33 13-0046 EA 16-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,342.43	126.87
05 51 33 13-0047 EA 17-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,645.92	130.12
05 51 33 13-0048 EA 18-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,797.83	133.38
05 51 33 13-0049 EA 19-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,942.36	136.63
05 51 33 13-0050 EA 20-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,181.77	139.88
05 51 33 13-0051 EA 21-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,450.75	143.14
05 51 33 13-0052 EA 22-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,600.20	146.39
05 51 33 13-0053 EA 23-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,753.34	149.64
05 51 33 13-0054 EA 24-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,896.64	152.89
05 51 33 13-0055 EA 25-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,264.20	156.15
05 51 33 13-0056 EA 26-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,407.50	159.40
05 51 33 13-0057 EA 27-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,554.49	162.65

05 51 33 16 Inclined Metal Ladders (05 51 33)

05 51 33 16-0001 Industrial Ship Ladder, Incline Stairs (05 51 33 16)

Note: Includes factory prime.

05 51 33 16-0002 RSR 3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side.....	187.83	32.53
For Aluminum, Add	61.39	

05 51 33 23 Alternating Tread Ladders (05 51 33)

05 51 33 23-0001 Vertical Ladders With Alternating Tread (05 51 33 23)

05 51 33 23-0002 EA 4' Vertical Height Aluminum Alternating Tread Ladder	1,240.75	97.59
For Stainless Steel, Add	196.80	
For Primed Steel, Deduct	-191.42	
05 51 33 23-0003 EA 5' Vertical Height Aluminum Alternating Tread Ladder	1,417.82	103.45
For Stainless Steel, Add	240.90	
For Primed Steel, Deduct	-223.30	
05 51 33 23-0004 EA 6' Vertical Height Aluminum Alternating Tread Ladder	1,569.36	103.45
For Stainless Steel, Add	288.67	
For Primed Steel, Deduct	-241.55	
05 51 33 23-0005 EA 7' Vertical Height Aluminum Alternating Tread Ladder	1,796.27	129.99
For Stainless Steel, Add	347.24	
For Primed Steel, Deduct	-256.61	
05 51 33 23-0006 EA 8' Vertical Height Aluminum Alternating Tread Ladder	1,969.11	134.60
For Stainless Steel, Add	388.99	
For Primed Steel, Deduct	-298.53	
05 51 33 23-0007 EA 9' Vertical Height Aluminum Alternating Tread Ladder	2,103.01	134.60
For Stainless Steel, Add	453.51	
For Primed Steel, Deduct	-293.53	
05 51 33 23-0008 EA 10' Vertical Height Aluminum Alternating Tread Ladder	2,310.38	150.14
For Stainless Steel, Add	497.40	
For Primed Steel, Deduct	-327.55	
05 51 33 23-0009 EA 11' Vertical Height Aluminum Alternating Tread Ladder	2,460.40	150.14
For Stainless Steel, Add	546.61	
For Primed Steel, Deduct	-347.07	
05 51 33 23-0010 EA 12' Vertical Height Aluminum Alternating Tread Ladder	2,577.13	150.14
For Stainless Steel, Add	623.99	
For Primed Steel, Deduct	-346.65	

05 52 Metal Railings (05 50)

05 52 13 Pipe And Tube Railings (05 52)

Note: Includes sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0001	Welded Steel Pipe Railing ^(05 52 13) Note: Includes field welds and touch-up of welds.		
05 52 13 00-0002	One Rail, Up To 42" High, Welded Steel Pipe Railings ^(05 52 13 00-0001) Note: Includes factory primed posts and one rail.		
05 52 13 00-0003	LF 1" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	30.68	6.51
	For Schedule 80 Handrail, Add	2.27	
	For 11 Gauge A513 Steel Tubing, Deduct	-3.89	
	For 12 Gauge A513 Steel Tubing, Deduct	-4.42	
	For 14 Gauge A513 Steel Tubing, Deduct	-5.83	
	For 16 Gauge A513 Steel Tubing, Deduct	-6.89	
	For Additional Off Set Handrail, ADA Attachment, Add	11.09	
	For Aluminum, Satin Finish, Add	7.42	
	For Aluminum, Clear Anodized Finish, Add	11.49	
	For Aluminum, Dark Anodized Finish, Add	13.25	
	For Galvanizing, Add	7.07	
	For Wrought Iron, Add	3.07	
	For Solid Steel Rails, Add	6.14	
	For 304 Stainless Steel, Add	56.54	
	For 316 Stainless Steel, Add	63.61	
	For 2" Wheel Guard, Add	1.68	
	For 4" High Kick Plate, Add	2.21	
	For 6" High Kick Plate, Add	3.53	
	For Curved Rail, Add	14.51	
	For Mounting On Stairs, Add	3.72	
	For Mounting On Slopes, Add	1.30	
	For Post Base Flange With Screws, Add Per Post	18.80	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.45	
	For Custom Design Or Shapes (Square Tops, etc), Add	12.09	
	For Nylon Coating, Add	2.65	
05 52 13 00-0004	LF 1-1/4" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	33.73	6.51
	For Schedule 80 Handrail, Add	3.34	
	For 11 Gauge A513 Steel Tubing, Deduct	-4.56	
	For 12 Gauge A513 Steel Tubing, Deduct	-5.18	
	For 14 Gauge A513 Steel Tubing, Deduct	-6.84	
	For 16 Gauge A513 Steel Tubing, Deduct	-8.08	
	For Additional Off Set Handrail, ADA Attachment, Add	11.09	
	For Aluminum, Satin Finish, Add	8.70	
	For Aluminum, Clear Anodized Finish, Add	13.47	
	For Aluminum, Dark Anodized Finish, Add	15.54	
	For Galvanizing, Add	8.29	
	For Wrought Iron, Add	3.37	
	For Solid Steel Rails, Add	6.75	
	For 304 Stainless Steel, Add	66.30	
	For 316 Stainless Steel, Add	74.59	
	For 2" Wheel Guard, Add	1.97	
	For 4" High Kick Plate, Add	2.59	
	For 6" High Kick Plate, Add	4.14	
	For Curved Rail, Add	16.34	
	For Mounting On Stairs, Add	4.02	
	For Mounting On Slopes, Add	1.30	
	For Post Base Flange With Screws, Add Per Post	18.80	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.45	
	For Custom Design Or Shapes (Square Tops, etc), Add	13.61	
	For Nylon Coating, Add	3.11	
05 52 13 00-0005	LF 1-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	36.77	6.51
	For Schedule 80 Handrail, Add	3.34	
	For 11 Gauge A513 Steel Tubing, Deduct	-5.23	
	For 12 Gauge A513 Steel Tubing, Deduct	-5.94	
	For 14 Gauge A513 Steel Tubing, Deduct	-7.84	
	For 16 Gauge A513 Steel Tubing, Deduct	-9.27	
	For Additional Off Set Handrail, ADA Attachment, Add	11.09	
	For Aluminum, Satin Finish, Add	9.98	
	For Aluminum, Clear Anodized Finish, Add	15.44	
	For Aluminum, Dark Anodized Finish, Add	17.82	
	For Galvanizing, Add	9.50	
	For Wrought Iron, Add	3.68	
	For Solid Steel Rails, Add	7.35	
	For 304 Stainless Steel, Add	76.03	
	For 316 Stainless Steel, Add	85.54	
	For 2" Wheel Guard, Add	2.26	
	For 4" High Kick Plate, Add	2.97	
	For 6" High Kick Plate, Add	4.75	
	For Curved Rail, Add	18.16	
	For Mounting On Stairs, Add	4.33	
	For Mounting On Slopes, Add	1.30	
	For Post Base Flange With Screws, Add Per Post	18.80	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.45	
	For Custom Design Or Shapes (Square Tops, etc), Add	15.13	
	For Nylon Coating, Add	3.56	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0006 LF 2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	42.05	6.51
For Schedule 80 Handrail, Add	3.77	
For 11 Gauge A513 Steel Tubing, Deduct	-6.39	
For 12 Gauge A513 Steel Tubing, Deduct	-7.26	
For 14 Gauge A513 Steel Tubing, Deduct	-9.58	
For 16 Gauge A513 Steel Tubing, Deduct	-11.33	
For Additional Off Set Handrail, ADA Attachment, Add	11.09	
For Aluminum, Satin Finish, Add	12.20	
For Aluminum, Clear Anodized Finish, Add	18.88	
For Aluminum, Dark Anodized Finish, Add	21.78	
For Galvanizing, Add	11.62	
For Wrought Iron, Add	4.21	
For Solid Steel Rails, Add	8.41	
For 304 Stainless Steel, Add	92.93	
For 316 Stainless Steel, Add	104.54	
For 2" Wheel Guard, Add	2.76	
For 4" High Kick Plate, Add	3.63	
For 6" High Kick Plate, Add	5.81	
For Curved Rail, Add	21.33	
For Mounting On Stairs, Add	4.86	
For Mounting On Slopes, Add	1.30	
For Post Base Flange With Screws, Add Per Post	18.80	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.45	
For Custom Design Or Shapes (Square Tops, etc), Add	17.77	
For Nylon Coating, Add	4.36	
05 52 13 00-0007 LF 2-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	48.38	6.51
For Schedule 80 Handrail, Add	4.21	
For 11 Gauge A513 Steel Tubing, Deduct	-7.78	
For 12 Gauge A513 Steel Tubing, Deduct	-8.84	
For 14 Gauge A513 Steel Tubing, Deduct	-11.67	
For 16 Gauge A513 Steel Tubing, Deduct	-13.79	
For Additional Off Set Handrail, ADA Attachment, Add	11.09	
For Aluminum, Satin Finish, Add	14.86	
For Aluminum, Clear Anodized Finish, Add	22.99	
For Aluminum, Dark Anodized Finish, Add	26.53	
For Galvanizing, Add	14.15	
For Wrought Iron, Add	4.84	
For Solid Steel Rails, Add	9.68	
For 304 Stainless Steel, Add	113.18	
For 316 Stainless Steel, Add	127.33	
For 2" Wheel Guard, Add	3.36	
For 4" High Kick Plate, Add	4.42	
For 6" High Kick Plate, Add	7.07	
For Curved Rail, Add	25.13	
For Mounting On Stairs, Add	5.49	
For Mounting On Slopes, Add	1.30	
For Post Base Flange With Screws, Add Per Post	18.80	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.45	
For Custom Design Or Shapes (Square Tops, etc), Add	20.94	
For Nylon Coating, Add	5.31	
05 52 13 00-0008 Two Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)		
Note: Includes factory primed posts and two rails.		
05 52 13 00-0009 LF 1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	35.10	6.51
For Schedule 80 Handrail, Add	2.27	
For 11 Gauge A513 Steel Tubing, Deduct	-4.86	
For 12 Gauge A513 Steel Tubing, Deduct	-5.52	
For 14 Gauge A513 Steel Tubing, Deduct	-7.29	
For 16 Gauge A513 Steel Tubing, Deduct	-8.62	
For Additional Off Set Handrail, ADA Attachment, Add	11.09	
For Aluminum, Satin Finish, Add	9.28	
For Aluminum, Clear Anodized Finish, Add	14.36	
For Aluminum, Dark Anodized Finish, Add	16.57	
For Galvanizing, Add	8.84	
For Wrought Iron, Add	3.51	
For Solid Steel Rails, Add	7.02	
For 304 Stainless Steel, Add	70.69	
For 316 Stainless Steel, Add	79.52	
For 2" Wheel Guard, Add	2.10	
For 4" High Kick Plate, Add	2.76	
For 6" High Kick Plate, Add	4.42	
For Curved Rail, Add	17.16	
For Mounting On Stairs, Add	4.16	
For Mounting On Slopes, Add	1.30	
For Post Base Flange With Screws, Add Per Post	18.80	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.45	
For Custom Design Or Shapes (Square Tops, etc), Add	14.30	
For Nylon Coating, Add	3.31	

05	Metals
05 50	Metal Fabrications
05 52	Metal Railings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52	13 00-0010	LF	1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	38.90	6.51
			<i>For Schedule 80 Handrail, Add</i>	3.34	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-5.70	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-6.47	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-8.54	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-10.10	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.09	
			<i>For Aluminum, Satin Finish, Add</i>	10.87	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	16.83	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	19.42	
			<i>For Galvanizing, Add</i>	10.36	
			<i>For Wrought Iron, Add</i>	3.89	
			<i>For Solid Steel Rails, Add</i>	7.78	
			<i>For 304 Stainless Steel, Add</i>	82.85	
			<i>For 316 Stainless Steel, Add</i>	93.20	
			<i>For 2" Wheel Guard, Add</i>	2.46	
			<i>For 4" High Kick Plate, Add</i>	3.24	
			<i>For 6" High Kick Plate, Add</i>	5.18	
			<i>For Curved Rail, Add</i>	19.44	
			<i>For Mounting On Stairs, Add</i>	4.54	
			<i>For Mounting On Slopes, Add</i>	1.30	
			<i>For Post Base Flange With Screws, Add Per Post</i>	18.80	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	28.45	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	16.20	
			<i>For Nylon Coating, Add</i>	3.88	
05 52	13 00-0011	LF	1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	42.71	6.51
			<i>For Schedule 80 Handrail, Add</i>	3.34	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-6.53	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-7.43	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-9.80	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-11.58	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.09	
			<i>For Aluminum, Satin Finish, Add</i>	12.47	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	19.31	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	22.28	
			<i>For Galvanizing, Add</i>	11.88	
			<i>For Wrought Iron, Add</i>	4.27	
			<i>For Solid Steel Rails, Add</i>	8.54	
			<i>For 304 Stainless Steel, Add</i>	95.04	
			<i>For 316 Stainless Steel, Add</i>	106.92	
			<i>For 2" Wheel Guard, Add</i>	2.82	
			<i>For 4" High Kick Plate, Add</i>	3.71	
			<i>For 6" High Kick Plate, Add</i>	5.94	
			<i>For Curved Rail, Add</i>	21.72	
			<i>For Mounting On Stairs, Add</i>	4.92	
			<i>For Mounting On Slopes, Add</i>	1.30	
			<i>For Post Base Flange With Screws, Add Per Post</i>	18.80	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	28.45	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	18.10	
			<i>For Nylon Coating, Add</i>	4.46	
05 52	13 00-0012	LF	2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	49.31	6.51
			<i>For Schedule 80 Handrail, Add</i>	3.77	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-7.99	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-9.08	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-11.98	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-14.16	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.09	
			<i>For Aluminum, Satin Finish, Add</i>	15.25	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	23.60	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	27.23	
			<i>For Galvanizing, Add</i>	14.52	
			<i>For Wrought Iron, Add</i>	4.93	
			<i>For Solid Steel Rails, Add</i>	9.86	
			<i>For 304 Stainless Steel, Add</i>	116.16	
			<i>For 316 Stainless Steel, Add</i>	130.68	
			<i>For 2" Wheel Guard, Add</i>	3.45	
			<i>For 4" High Kick Plate, Add</i>	4.54	
			<i>For 6" High Kick Plate, Add</i>	7.26	
			<i>For Curved Rail, Add</i>	25.68	
			<i>For Mounting On Stairs, Add</i>	5.58	
			<i>For Mounting On Slopes, Add</i>	1.30	
			<i>For Post Base Flange With Screws, Add Per Post</i>	18.80	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	28.45	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	21.40	
			<i>For Nylon Coating, Add</i>	5.45	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0013 LF 2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	57.22	6.51
For Schedule 80 Handrail, Add	4.21	
For 11 Gauge A513 Steel Tubing, Deduct	-9.73	
For 12 Gauge A513 Steel Tubing, Deduct	-11.05	
For 14 Gauge A513 Steel Tubing, Deduct	-14.59	
For 16 Gauge A513 Steel Tubing, Deduct	-17.24	
For Additional Off Set Handrail, ADA Attachment, Add	11.09	
For Aluminum, Satin Finish, Add	18.57	
For Aluminum, Clear Anodized Finish, Add	28.74	
For Aluminum, Dark Anodized Finish, Add	33.16	
For Galvanizing, Add	17.68	
For Wrought Iron, Add	5.72	
For Solid Steel Rails, Add	11.44	
For 304 Stainless Steel, Add	141.47	
For 316 Stainless Steel, Add	159.16	
For 2" Wheel Guard, Add	4.20	
For 4" High Kick Plate, Add	5.53	
For 6" High Kick Plate, Add	8.84	
For Curved Rail, Add	30.43	
For Mounting On Stairs, Add	6.37	
For Mounting On Slopes, Add	1.30	
For Post Base Flange With Screws, Add Per Post	18.80	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.45	
For Custom Design Or Shapes (Square Tops, etc), Add	25.36	
For Nylon Coating, Add	6.63	
05 52 13 00-0014 Three Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)		
Note: Includes factory primed posts and three rails.		
05 52 13 00-0015 LF 1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	47.18	7.81
For Schedule 80 Handrail, Add	3.35	
For 11 Gauge A513 Steel Tubing, Deduct	-6.95	
For 12 Gauge A513 Steel Tubing, Deduct	-7.89	
For 14 Gauge A513 Steel Tubing, Deduct	-10.42	
For 16 Gauge A513 Steel Tubing, Deduct	-12.31	
For Additional Off Set Handrail, ADA Attachment, Add	11.61	
For Aluminum, Satin Finish, Add	13.26	
For Aluminum, Clear Anodized Finish, Add	20.52	
For Aluminum, Dark Anodized Finish, Add	23.68	
For Galvanizing, Add	12.63	
For Wrought Iron, Add	4.72	
For Solid Steel Rails, Add	9.44	
For 304 Stainless Steel, Add	101.02	
For 316 Stainless Steel, Add	113.65	
For 2" Wheel Guard, Add	3.00	
For 4" High Kick Plate, Add	3.95	
For 6" High Kick Plate, Add	6.31	
For Curved Rail, Add	23.63	
For Mounting On Stairs, Add	5.50	
For Mounting On Slopes, Add	1.56	
For Post Base Flange With Screws, Add Per Post	19.06	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.84	
For Custom Design Or Shapes (Square Tops, etc), Add	19.69	
For Nylon Coating, Add	4.74	
05 52 13 00-0016 LF 1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	52.62	7.81
For Schedule 80 Handrail, Add	4.78	
For 11 Gauge A513 Steel Tubing, Deduct	-8.14	
For 12 Gauge A513 Steel Tubing, Deduct	-9.25	
For 14 Gauge A513 Steel Tubing, Deduct	-12.21	
For 16 Gauge A513 Steel Tubing, Deduct	-14.43	
For Additional Off Set Handrail, ADA Attachment, Add	11.61	
For Aluminum, Satin Finish, Add	15.54	
For Aluminum, Clear Anodized Finish, Add	24.06	
For Aluminum, Dark Anodized Finish, Add	27.76	
For Galvanizing, Add	14.80	
For Wrought Iron, Add	5.26	
For Solid Steel Rails, Add	10.52	
For 304 Stainless Steel, Add	118.43	
For 316 Stainless Steel, Add	133.24	
For 2" Wheel Guard, Add	3.52	
For 4" High Kick Plate, Add	4.63	
For 6" High Kick Plate, Add	7.40	
For Curved Rail, Add	26.89	
For Mounting On Stairs, Add	6.04	
For Mounting On Slopes, Add	1.56	
For Post Base Flange With Screws, Add Per Post	19.06	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.84	
For Custom Design Or Shapes (Square Tops, etc), Add	22.41	
For Nylon Coating, Add	5.55	

05	Metals
05 50	Metal Fabrications
05 52	Metal Railings



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 52 13 00-0017	LF 1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	58.06	7.81
	For Schedule 80 Handrail, Add	4.78	
	For 11 Gauge A513 Steel Tubing, Deduct	-9.34	
	For 12 Gauge A513 Steel Tubing, Deduct	-10.61	
	For 14 Gauge A513 Steel Tubing, Deduct	-14.01	
	For 16 Gauge A513 Steel Tubing, Deduct	-16.56	
	For Additional Off Set Handrail, ADA Attachment, Add	11.61	
	For Aluminum, Satin Finish, Add	17.83	
	For Aluminum, Clear Anodized Finish, Add	27.59	
	For Aluminum, Dark Anodized Finish, Add	31.84	
	For Galvanizing, Add	16.98	
	For Wrought Iron, Add	5.81	
	For Solid Steel Rails, Add	11.61	
	For 304 Stainless Steel, Add	135.84	
	For 316 Stainless Steel, Add	152.82	
	For 2" Wheel Guard, Add	4.03	
	For 4" High Kick Plate, Add	5.31	
	For 6" High Kick Plate, Add	8.49	
	For Curved Rail, Add	30.15	
	For Mounting On Stairs, Add	6.59	
	For Mounting On Slopes, Add	1.56	
	For Post Base Flange With Screws, Add Per Post	19.06	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.84	
	For Custom Design Or Shapes (Square Tops, etc), Add	25.13	
	For Nylon Coating, Add	6.37	
05 52 13 00-0018	LF 2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	67.51	7.81
	For Schedule 80 Handrail, Add	5.36	
	For 11 Gauge A513 Steel Tubing, Deduct	-11.42	
	For 12 Gauge A513 Steel Tubing, Deduct	-12.98	
	For 14 Gauge A513 Steel Tubing, Deduct	-17.13	
	For 16 Gauge A513 Steel Tubing, Deduct	-20.24	
	For Additional Off Set Handrail, ADA Attachment, Add	11.61	
	For Aluminum, Satin Finish, Add	21.80	
	For Aluminum, Clear Anodized Finish, Add	33.74	
	For Aluminum, Dark Anodized Finish, Add	38.93	
	For Galvanizing, Add	20.76	
	For Wrought Iron, Add	6.75	
	For Solid Steel Rails, Add	13.50	
	For 304 Stainless Steel, Add	166.08	
	For 316 Stainless Steel, Add	186.84	
	For 2" Wheel Guard, Add	4.93	
	For 4" High Kick Plate, Add	6.49	
	For 6" High Kick Plate, Add	10.38	
	For Curved Rail, Add	35.82	
	For Mounting On Stairs, Add	7.53	
	For Mounting On Slopes, Add	1.56	
	For Post Base Flange With Screws, Add Per Post	19.06	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.84	
	For Custom Design Or Shapes (Square Tops, etc), Add	29.85	
	For Nylon Coating, Add	7.79	
05 52 13 00-0019	LF 2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	78.76	7.81
	For Schedule 80 Handrail, Add	5.94	
	For 11 Gauge A513 Steel Tubing, Deduct	-13.89	
	For 12 Gauge A513 Steel Tubing, Deduct	-15.79	
	For 14 Gauge A513 Steel Tubing, Deduct	-20.84	
	For 16 Gauge A513 Steel Tubing, Deduct	-24.63	
	For Additional Off Set Handrail, ADA Attachment, Add	11.61	
	For Aluminum, Satin Finish, Add	26.52	
	For Aluminum, Clear Anodized Finish, Add	41.05	
	For Aluminum, Dark Anodized Finish, Add	47.36	
	For Galvanizing, Add	25.26	
	For Wrought Iron, Add	7.88	
	For Solid Steel Rails, Add	15.75	
	For 304 Stainless Steel, Add	202.08	
	For 316 Stainless Steel, Add	227.34	
	For 2" Wheel Guard, Add	6.00	
	For 4" High Kick Plate, Add	7.89	
	For 6" High Kick Plate, Add	12.63	
	For Curved Rail, Add	42.57	
	For Mounting On Stairs, Add	8.66	
	For Mounting On Slopes, Add	1.56	
	For Post Base Flange With Screws, Add Per Post	19.06	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.84	
	For Custom Design Or Shapes (Square Tops, etc), Add	35.48	
	For Nylon Coating, Add	9.47	

05 52 13 00-0020 Four Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)
Note: Includes factory primed posts and four rails.



	Metals	05
	Metal Fabrications	05 50
	Metal Railings	05 52

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0021 LF 1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	56.96	9.11
For Schedule 80 Handrail, Add	4.61	
For 11 Gauge A513 Steel Tubing, Deduct	-8.53	
For 12 Gauge A513 Steel Tubing, Deduct	-9.69	
For 14 Gauge A513 Steel Tubing, Deduct	-12.79	
For 16 Gauge A513 Steel Tubing, Deduct	-15.11	
For Additional Off Set Handrail, ADA Attachment, Add	12.13	
For Aluminum, Satin Finish, Add	16.28	
For Aluminum, Clear Anodized Finish, Add	25.19	
For Aluminum, Dark Anodized Finish, Add	29.06	
For Galvanizing, Add	15.50	
For Wrought Iron, Add	5.70	
For Solid Steel Rails, Add	11.39	
For 304 Stainless Steel, Add	124.00	
For 316 Stainless Steel, Add	139.50	
For 2" Wheel Guard, Add	3.68	
For 4" High Kick Plate, Add	4.84	
For 6" High Kick Plate, Add	7.75	
For Curved Rail, Add	28.71	
For Mounting On Stairs, Add	6.61	
For Mounting On Slopes, Add	1.82	
For Post Base Flange With Screws, Add Per Post	19.32	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.23	
For Custom Design Or Shapes (Square Tops, etc), Add	23.93	
For Nylon Coating, Add	5.81	
05 52 13 00-0022 LF 1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	61.79	9.11
For Schedule 80 Handrail, Add	6.39	
For 11 Gauge A513 Steel Tubing, Deduct	-9.59	
For 12 Gauge A513 Steel Tubing, Deduct	-10.90	
For 14 Gauge A513 Steel Tubing, Deduct	-14.38	
For 16 Gauge A513 Steel Tubing, Deduct	-17.00	
For Additional Off Set Handrail, ADA Attachment, Add	12.13	
For Aluminum, Satin Finish, Add	18.30	
For Aluminum, Clear Anodized Finish, Add	28.33	
For Aluminum, Dark Anodized Finish, Add	32.69	
For Galvanizing, Add	17.43	
For Wrought Iron, Add	6.18	
For Solid Steel Rails, Add	12.36	
For 304 Stainless Steel, Add	139.46	
For 316 Stainless Steel, Add	156.89	
For 2" Wheel Guard, Add	4.14	
For 4" High Kick Plate, Add	5.45	
For 6" High Kick Plate, Add	8.72	
For Curved Rail, Add	31.61	
For Mounting On Stairs, Add	7.09	
For Mounting On Slopes, Add	1.82	
For Post Base Flange With Screws, Add Per Post	19.32	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.23	
For Custom Design Or Shapes (Square Tops, etc), Add	26.34	
For Nylon Coating, Add	6.54	
05 52 13 00-0023 LF 1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	66.62	9.11
For Schedule 80 Handrail, Add	6.39	
For 11 Gauge A513 Steel Tubing, Deduct	-10.65	
For 12 Gauge A513 Steel Tubing, Deduct	-12.10	
For 14 Gauge A513 Steel Tubing, Deduct	-15.98	
For 16 Gauge A513 Steel Tubing, Deduct	-18.88	
For Additional Off Set Handrail, ADA Attachment, Add	12.13	
For Aluminum, Satin Finish, Add	20.33	
For Aluminum, Clear Anodized Finish, Add	31.47	
For Aluminum, Dark Anodized Finish, Add	36.31	
For Galvanizing, Add	19.36	
For Wrought Iron, Add	6.66	
For Solid Steel Rails, Add	13.32	
For 304 Stainless Steel, Add	154.91	
For 316 Stainless Steel, Add	174.28	
For 2" Wheel Guard, Add	4.60	
For 4" High Kick Plate, Add	6.05	
For 6" High Kick Plate, Add	9.68	
For Curved Rail, Add	34.51	
For Mounting On Stairs, Add	7.57	
For Mounting On Slopes, Add	1.82	
For Post Base Flange With Screws, Add Per Post	19.32	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.23	
For Custom Design Or Shapes (Square Tops, etc), Add	28.76	
For Nylon Coating, Add	7.26	

05	Metals
05 50	Metal Fabrications
05 52	Metal Railings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0024 LF 2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	77.37	9.11
For Schedule 80 Handrail, Add	7.11	
For 11 Gauge A513 Steel Tubing, Deduct	-13.02	
For 12 Gauge A513 Steel Tubing, Deduct	-14.79	
For 14 Gauge A513 Steel Tubing, Deduct	-19.52	
For 16 Gauge A513 Steel Tubing, Deduct	-23.07	
For Additional Off Set Handrail, ADA Attachment, Add	12.13	
For Aluminum, Satin Finish, Add	24.85	
For Aluminum, Clear Anodized Finish, Add	38.45	
For Aluminum, Dark Anodized Finish, Add	44.37	
For Galvanizing, Add	23.66	
For Wrought Iron, Add	7.74	
For Solid Steel Rails, Add	15.47	
For 304 Stainless Steel, Add	189.31	
For 316 Stainless Steel, Add	212.98	
For 2" Wheel Guard, Add	5.62	
For 4" High Kick Plate, Add	7.40	
For 6" High Kick Plate, Add	11.83	
For Curved Rail, Add	40.96	
For Mounting On Stairs, Add	8.65	
For Mounting On Slopes, Add	1.82	
For Post Base Flange With Screws, Add Per Post	19.32	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.23	
For Custom Design Or Shapes (Square Tops, etc), Add	34.13	
For Nylon Coating, Add	8.87	
05 52 13 00-0025 LF 2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	89.97	9.11
For Schedule 80 Handrail, Add	7.84	
For 11 Gauge A513 Steel Tubing, Deduct	-15.79	
For 12 Gauge A513 Steel Tubing, Deduct	-17.94	
For 14 Gauge A513 Steel Tubing, Deduct	-23.68	
For 16 Gauge A513 Steel Tubing, Deduct	-27.99	
For Additional Off Set Handrail, ADA Attachment, Add	12.13	
For Aluminum, Satin Finish, Add	30.14	
For Aluminum, Clear Anodized Finish, Add	46.64	
For Aluminum, Dark Anodized Finish, Add	53.82	
For Galvanizing, Add	28.70	
For Wrought Iron, Add	9.00	
For Solid Steel Rails, Add	17.99	
For 304 Stainless Steel, Add	229.63	
For 316 Stainless Steel, Add	258.34	
For 2" Wheel Guard, Add	6.82	
For 4" High Kick Plate, Add	8.97	
For 6" High Kick Plate, Add	14.35	
For Curved Rail, Add	48.52	
For Mounting On Stairs, Add	9.91	
For Mounting On Slopes, Add	1.82	
For Post Base Flange With Screws, Add Per Post	19.32	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.23	
For Custom Design Or Shapes (Square Tops, etc), Add	40.43	
For Nylon Coating, Add	10.76	
05 52 13 00-0026 Railing Infill Panels <small>(05 52 13)</small>		
Note: Includes field welds and touch-up of welds.		
05 52 13 00-0027 Wire Mesh Or Welded Wire Mesh, Railing Infill Panels <small>(05 52 13 00-0026)</small>		
Note: Square weave or square welded wire mesh.		
05 52 13 00-0028 SF Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	7.48	
05 52 13 00-0029 SF Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	7.95	
05 52 13 00-0030 SF Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	8.36	
05 52 13 00-0031 SF Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel.....	14.13	
05 52 13 00-0032 Perforated Metal, Railing Infill Panels <small>(05 52 13 00-0026)</small>		
05 52 13 00-0033 SF Powder Coated Steel, Perforated Metal, Railing Infill Panel	7.34	
05 52 13 00-0034 SF Galvanized Steel, Perforated Metal, Railing Infill Panel.....	7.59	
05 52 13 00-0035 SF Aluminum, Perforated Metal, Railing Infill Panel	8.13	
05 52 13 00-0036 SF Stainless Steel, Perforated Metal, Railing Infill Panel	16.31	
05 52 13 00-0037 Expanded Metal, Railing Infill Panels <small>(05 52 13 00-0026)</small>		
05 52 13 00-0038 SF Powder Coated Steel, Expanded Metal, Railing Infill Panel.....	3.31	
05 52 13 00-0039 SF Galvanized Steel, Expanded Metal, Railing Infill Panel.....	6.77	
05 52 13 00-0040 SF Aluminum, Expanded Metal, Railing Infill Panel.....	8.89	
05 52 13 00-0041 SF Stainless Steel, Expanded Metal, Railing Infill Panel.....	13.25	
05 52 13 00-0042 Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings <small>(05 52 13)</small>		
Note: Includes factory primed, fasteners and field touch-up of welds.		



	Metals	05
	Metal Fabrications	05 50
	Metal Railings	05 52

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0043 LF 1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	26.67	3.91
For Schedule 80 Handrail, Add	1.36	
For 11 Gauge A513 Steel Tubing, Deduct	-3.72	
For 12 Gauge A513 Steel Tubing, Deduct	-4.23	
For 14 Gauge A513 Steel Tubing, Deduct	-5.58	
For 16 Gauge A513 Steel Tubing, Deduct	-6.59	
For Stainless Steel, Add	33.82	
For Aluminum, Satin Finish, Add	7.10	
For Curved Rail, Add	8.00	
For Aluminum, Clear Anodized Finish, Add	10.99	
For Aluminum, Dark Anodized Finish, Add	12.68	
For Galvanized Finish, Add	5.07	
05 52 13 00-0044 LF 1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	27.21	3.91
For Schedule 80 Handrail, Add	1.53	
For 11 Gauge A513 Steel Tubing, Deduct	-3.84	
For 12 Gauge A513 Steel Tubing, Deduct	-4.36	
For 14 Gauge A513 Steel Tubing, Deduct	-5.76	
For 16 Gauge A513 Steel Tubing, Deduct	-6.81	
For Stainless Steel, Add	34.90	
For Aluminum, Satin Finish, Add	7.33	
For Curved Rail, Add	8.16	
For Aluminum, Clear Anodized Finish, Add	11.34	
For Aluminum, Dark Anodized Finish, Add	13.09	
For Galvanized Finish, Add	5.24	
05 52 13 00-0045 LF 1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	27.76	3.91
For Schedule 80 Handrail, Add	3.91	
For 11 Gauge A513 Steel Tubing, Deduct	-3.96	
For 12 Gauge A513 Steel Tubing, Deduct	-4.50	
For 14 Gauge A513 Steel Tubing, Deduct	-5.94	
For 16 Gauge A513 Steel Tubing, Deduct	-7.02	
For Stainless Steel, Add	36.00	
For Aluminum, Satin Finish, Add	7.56	
For Curved Rail, Add	8.33	
For Aluminum, Clear Anodized Finish, Add	11.70	
For Aluminum, Dark Anodized Finish, Add	13.50	
For Galvanized Finish, Add	5.40	
05 52 13 00-0046 LF 2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	34.03	3.91
For Schedule 80 Handrail, Add	1.86	
For 11 Gauge A513 Steel Tubing, Deduct	-5.34	
For 12 Gauge A513 Steel Tubing, Deduct	-6.07	
For 14 Gauge A513 Steel Tubing, Deduct	-8.01	
For 16 Gauge A513 Steel Tubing, Deduct	-9.47	
For Stainless Steel, Add	48.54	
For Aluminum, Satin Finish, Add	10.19	
For Curved Rail, Add	10.21	
For Aluminum, Clear Anodized Finish, Add	15.78	
For Aluminum, Dark Anodized Finish, Add	18.20	
For Galvanized Finish, Add	7.28	
05 52 13 00-0047 LF 2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	39.21	3.91
For Schedule 80 Handrail, Add	2.00	
For 11 Gauge A513 Steel Tubing, Deduct	-6.48	
For 12 Gauge A513 Steel Tubing, Deduct	-7.36	
For 14 Gauge A513 Steel Tubing, Deduct	-9.72	
For 16 Gauge A513 Steel Tubing, Deduct	-11.49	
For Stainless Steel, Add	58.90	
For Aluminum, Satin Finish, Add	12.37	
For Curved Rail, Add	11.76	
For Aluminum, Clear Anodized Finish, Add	19.14	
For Aluminum, Dark Anodized Finish, Add	22.09	
For Galvanized Finish, Add	8.84	
05 52 13 00-0048 Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings <small>(05 52 13)</small>		
Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0049 LF 1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	33.08	4.10
For Schedule 80 Handrail, Add	1.36	
For 11 Gauge A513 Steel Tubing, Deduct	-5.13	
For 12 Gauge A513 Steel Tubing, Deduct	-5.83	
For 14 Gauge A513 Steel Tubing, Deduct	-7.70	
For 16 Gauge A513 Steel Tubing, Deduct	-9.09	
For Stainless Steel, Add	46.64	
For Aluminum, Satin Finish, Add	9.79	
For Curved Rail, Add	9.92	
For Aluminum, Clear Anodized Finish, Add	15.16	
For Aluminum, Dark Anodized Finish, Add	17.49	
For Galvanized Finish, Add	7.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0050	LF		1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	33.84	4.10
			<i>For Schedule 80 Handrail, Add</i>	1.53	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-5.30	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-6.02	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-7.95	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-9.39	
			<i>For Stainless Steel, Add</i>	48.16	
			<i>For Aluminum, Satin Finish, Add</i>	10.11	
			<i>For Curved Rail, Add</i>	10.15	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	15.65	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	18.06	
			<i>For Galvanized Finish, Add</i>	7.22	
05 52 13 00-0051	LF		1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	34.41	4.10
			<i>For Schedule 80 Handrail, Add</i>	3.91	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-5.42	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-6.16	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-8.13	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-9.61	
			<i>For Stainless Steel, Add</i>	49.30	
			<i>For Aluminum, Satin Finish, Add</i>	10.35	
			<i>For Curved Rail, Add</i>	10.32	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	16.02	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	18.49	
			<i>For Galvanized Finish, Add</i>	7.40	
05 52 13 00-0052	LF		2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	43.17	4.10
			<i>For Schedule 80 Handrail, Add</i>	1.86	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-7.35	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-8.35	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-11.03	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-13.03	
			<i>For Stainless Steel, Add</i>	66.82	
			<i>For Aluminum, Satin Finish, Add</i>	14.03	
			<i>For Curved Rail, Add</i>	12.95	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	21.72	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	25.06	
			<i>For Galvanized Finish, Add</i>	10.02	
05 52 13 00-0053	LF		2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	48.90	4.10
			<i>For Schedule 80 Handrail, Add</i>	2.00	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-8.61	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-9.79	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-12.92	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-15.26	
			<i>For Stainless Steel, Add</i>	78.28	
			<i>For Aluminum, Satin Finish, Add</i>	16.44	
			<i>For Curved Rail, Add</i>	14.67	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	25.44	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	29.36	
			<i>For Galvanized Finish, Add</i>	11.74	
05 52 13 00-0054			Remove And Reinstall Pipe Railing <small>(05 52 13)</small>		
05 52 13 00-0055	LF		Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing	14.64	
05 52 13 00-0056	LF		Removal And Reinstallation Of Floor Mounted Pipe Railing	19.32	
05 52 13 00-0057	EA		Install New Galvanized Steel Pipe Railing Bracket	35.80	
			<i>For Stainless Steel, Add</i>	32.56	
05 53			Metal Gratings <small>(05 50)</small>		
05 53 13			Bar Gratings <small>(05 53)</small>		
05 53 13 00-0001			Welded Grating <small>(05 53 13)</small>		
			Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.		
05 53 13 00-0002			Steel, Welded Grating <small>(05 53 13 00-0001)</small>		
			Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0003	SF		3/4" x 1/8" Steel, Welded Grating.....	7.15	0.72
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	0.97	
			<i>For 304 Stainless Steel, Add</i>	18.36	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			<i>For Bearing Bars At 15/16" O.C., Add</i>	1.67	
			<i>For Crossbars At 2" O.C., Add</i>	0.62	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-1.10	
05 53 13 00-0004	SF		3/4" x 3/16" Steel, Welded Grating.....	9.52	0.72
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	1.38	
			<i>For 304 Stainless Steel, Add</i>	25.97	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			<i>For Bearing Bars At 15/16" O.C., Add</i>	2.36	
			<i>For Crossbars At 2" O.C., Add</i>	0.87	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-1.16	



	Metals	05
	Metal Fabrications	05 50
	Metal Gratings	05 53

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0005 SF 1" x 1/8" Steel, Welded Grating	8.67	0.72
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.23	
For 304 Stainless Steel, Add	23.24	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	2.11	
For Crossbars At 2" O.C., Add	0.78	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.14	
05 53 13 00-0006 SF 1" x 3/16" Steel, Welded Grating	11.89	0.72
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.78	
For 304 Stainless Steel, Add	33.58	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.05	
For Crossbars At 2" O.C., Add	1.13	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.22	
05 53 13 00-0007 SF 1" x 1/4" Steel, Welded Grating	15.11	0.72
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.33	
For 304 Stainless Steel, Add	43.91	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.99	
For Crossbars At 2" O.C., Add	1.48	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.30	
05 53 13 00-0008 SF 1-1/4" x 1/8" Steel, Welded Grating	10.21	0.72
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.49	
For 304 Stainless Steel, Add	28.18	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	2.56	
For Crossbars At 2" O.C., Add	0.95	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.18	
05 53 13 00-0009 SF 1-1/4" x 3/16" Steel, Welded Grating	14.12	0.72
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.16	
For 304 Stainless Steel, Add	40.73	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.71	
For Crossbars At 2" O.C., Add	1.37	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.28	
05 53 13 00-0010 SF 1-1/2" x 1/8" Steel, Welded Grating	11.75	0.72
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.75	
For 304 Stainless Steel, Add	33.13	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.01	
For Crossbars At 2" O.C., Add	1.11	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.22	
05 53 13 00-0011 SF 1-1/2" x 3/16" Steel, Welded Grating	16.81	0.87
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.56	
For 304 Stainless Steel, Add	48.31	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	4.39	
For Crossbars At 2" O.C., Add	1.63	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.56	
05 53 13 00-0012 SF 1-1/2" x 1/4" Steel, Welded Grating	21.70	0.87
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.39	
For 304 Stainless Steel, Add	64.01	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	5.82	
For Crossbars At 2" O.C., Add	2.15	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.68	
05 53 13 00-0013 SF 1-3/4" x 3/16" Steel, Welded Grating	19.19	0.87
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.96	
For 304 Stainless Steel, Add	55.95	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	5.09	
For Crossbars At 2" O.C., Add	1.88	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0014	SF		2" x 3/16" Steel, Welded Grating.....	21.43	0.87
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.34	
			For 304 Stainless Steel, Add	63.14	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	5.74	
			For Crossbars At 2" O.C., Add	2.12	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.67	
05 53 13 00-0015	SF		2-1/4" x 3/16" Steel, Welded Grating	23.80	0.87
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.75	
			For 304 Stainless Steel, Add	70.75	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	6.44	
			For Crossbars At 2" O.C., Add	2.38	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.73	
05 53 13 00-0016	SF		2-1/2" x 3/16" Steel, Welded Grating	26.03	0.87
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.13	
			For 304 Stainless Steel, Add	77.91	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	7.09	
			For Crossbars At 2" O.C., Add	2.62	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.79	
05 53 13 00-0017			Pressure Locked Grating <small>(05 53 13)</small>		
			Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.		
05 53 13 00-0018			Steel, Pressure Locked Grating <small>(05 53 13 00-0017)</small>		
			Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0019	SF		3/4" x 1/8" Steel, Pressure Locked Grating.....	13.36	0.72
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.96	
			For 304 Stainless Steel, Add	22.32	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	3.48	
			For Crossbars At 2" O.C., Add	1.29	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.26	
05 53 13 00-0020	SF		3/4" x 3/16" Steel, Pressure Locked Grating.....	16.41	0.72
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.46	
			For 304 Stainless Steel, Add	28.03	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	4.37	
			For Crossbars At 2" O.C., Add	1.62	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.33	
05 53 13 00-0021	SF		1" x 1/8" Steel, Pressure Locked Grating.....	14.67	0.72
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.17	
			For 304 Stainless Steel, Add	24.77	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	3.87	
			For Crossbars At 2" O.C., Add	1.43	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.29	
05 53 13 00-0022	SF		1" x 3/16" Steel, Pressure Locked Grating.....	19.90	0.72
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.03	
			For 304 Stainless Steel, Add	34.56	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 7/16" O.C., Add	26.78	
			For Bearing Bars At 15/16" O.C., Add	5.39	
			For Crossbars At 2" O.C., Add	1.99	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.42	
05 53 13 00-0023	SF		1-1/4" x 1/8" Steel, Pressure Locked Grating.....	16.41	0.72
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.46	
			For 304 Stainless Steel, Add	28.03	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	4.37	
			For Crossbars At 2" O.C., Add	1.62	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.33	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0024	SF		1-1/4" x 3/16" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	22.32 0.22 3.43 39.09 6.10 2.26 0.16 -1.48	0.72
05 53 13 00-0025	SF		1-1/2" x 1/8" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	18.24 0.22 2.76 31.45 4.91 1.82 0.16 -1.38	0.72
05 53 13 00-0026	SF		1-1/2" x 3/16" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 7/16" O.C., Add For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	25.19 0.22 3.84 43.84 33.97 6.84 2.53 0.16 -1.76	0.87
05 53 13 00-0027	SF		1-3/4" x 3/16" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	27.74 0.22 4.26 48.61 7.59 2.81 0.16 -1.83	0.87
05 53 13 00-0028	SF		2" x 3/16" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	29.82 0.22 4.60 52.50 8.19 3.03 0.16 -1.88	0.87
05 53 13 00-0029	SF		2-1/4" x 3/16" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	31.82 0.22 4.93 56.24 8.78 3.25 0.16 -1.93	0.87
05 53 13 00-0030	SF		2-1/2" x 3/16" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	33.55 0.22 5.21 59.48 9.28 3.43 0.16 -1.97	0.87
05 53 13 00-0031			Aluminum, Type 6063, Pressure Locked Grating <small>(05 53 13 00-0017)</small> Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted in place, and in all sizes.		
05 53 13 00-0032	SF		3/4" x 1/8" Aluminum, Pressure Locked Grating..... For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Set In Place Without Bolting, Deduct	9.68 2.41 0.89 -1.16	0.72
05 53 13 00-0033	SF		3/4" x 3/16" Aluminum, Pressure Locked Grating..... For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Set In Place Without Bolting, Deduct	13.06 3.40 1.26 -1.25	0.72
05 53 13 00-0034	SF		1" x 1/8" Aluminum, Pressure Locked Grating..... For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting, Deduct	12.33 3.18 1.18 0.16 -1.23	0.72
05 53 13 00-0035	SF		1" x 3/16" Aluminum, Pressure Locked Grating..... For Bearing Bars At 7/16" O.C., Add For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting, Deduct	16.71 22.16 4.46 1.65 0.16 -1.34	0.72



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0036 SF 1-1/4" x 1/8" Aluminum, Pressure Locked Grating.....	14.26	0.72
For Bearing Bars At 15/16" O.C., Add	3.75	
For Crossbars At 2" O.C., Add	1.39	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.28	
05 53 13 00-0037 SF 1-1/4" x 3/16" Aluminum, Pressure Locked Grating.....	19.03	0.72
For Bearing Bars At 15/16" O.C., Add	5.14	
For Crossbars At 2" O.C., Add	1.90	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.40	
05 53 13 00-0038 SF 1-1/2" x 1/8" Aluminum, Pressure Locked Grating.....	16.07	0.72
For Bearing Bars At 15/16" O.C., Add	4.27	
For Crossbars At 2" O.C., Add	1.58	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.32	
05 53 13 00-0039 SF 1-1/2" x 3/16" Aluminum, Pressure Locked Grating.....	21.42	0.72
For Bearing Bars At 7/16" O.C., Add	28.99	
For Bearing Bars At 15/16" O.C., Add	5.84	
For Crossbars At 2" O.C., Add	2.16	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.46	
05 53 13 00-0040 SF 1-3/4" x 3/16" Aluminum, Pressure Locked Grating.....	23.71	0.72
For Bearing Bars At 15/16" O.C., Add	6.51	
For Crossbars At 2" O.C., Add	2.41	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.52	
05 53 13 00-0041 SF 2" x 3/16" Aluminum, Pressure Locked Grating.....	26.42	0.72
For Bearing Bars At 15/16" O.C., Add	7.30	
For Crossbars At 2" O.C., Add	2.70	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.58	
05 53 13 00-0042 SF 2-1/4" x 3/16" Aluminum, Pressure Locked Grating.....	28.55	0.72
For Bearing Bars At 15/16" O.C., Add	7.92	
For Crossbars At 2" O.C., Add	2.93	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.64	
05 53 13 00-0043 SF 2-1/2" x 3/16" Aluminum, Pressure Locked Grating.....	31.08	0.72
For Bearing Bars At 15/16" O.C., Add	8.66	
For Crossbars At 2" O.C., Add	3.20	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.70	
05 53 13 00-0044 Swage Locked Grating <small>(05 53 13)</small>		
Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.		
05 53 13 00-0045 Steel, Swage Locked Grating <small>(05 53 13 00-0044)</small>		
Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0046 SF 1" x 3/16" Steel, Swaged Grating.....	21.76	0.72
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.87	
For 304 Stainless Steel, Add	33.71	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	13.01	
For Crossbars At 2" O.C., Add	1.63	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.47	
05 53 13 00-0047 SF 1-1/4" x 3/16" Steel, Swaged Grating.....	24.26	0.72
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.10	
For 304 Stainless Steel, Add	37.85	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	14.61	
For Crossbars At 2" O.C., Add	1.83	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.53	
05 53 13 00-0048 SF 1-1/2" x 3/16" Steel, Swaged Grating.....	26.56	0.87
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.28	
For 304 Stainless Steel, Add	41.12	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	15.87	
For Crossbars At 2" O.C., Add	1.98	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.80	
05 53 13 00-0049 SF 1-3/4" x 3/16" Steel, Swaged Grating.....	30.40	0.87
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.63	
For 304 Stainless Steel, Add	47.49	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	18.33	
For Crossbars At 2" O.C., Add	2.29	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.90	



Metals	05	05
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0050 SF 2" x 3/16" Steel, Swaged Grating.....	34.26	0.87
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.99	
For 304 Stainless Steel, Add	53.89	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	20.80	
For Crossbars At 2" O.C., Add	2.60	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.99	
05 53 13 00-0051 SF 2-1/4" x 3/16" Steel, Swaged Grating	38.10	0.87
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.34	
For 304 Stainless Steel, Add	60.25	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	23.26	
For Crossbars At 2" O.C., Add	2.91	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.09	
05 53 13 00-0052 SF 2-1/2" x 3/16" Steel, Swaged Grating	41.96	0.87
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.70	
For 304 Stainless Steel, Add	66.65	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	25.73	
For Crossbars At 2" O.C., Add	3.22	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.18	
05 53 13 00-0053 Aluminum Grating, Type 6063, Swage Locked <small>(05 53 13 00-0044)</small>		
Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted in place, and in all sizes.		
05 53 13 00-0054 SF 1" x 1/8" Aluminum, Swaged Grating.....	11.40	0.72
For Bearing Bars At 15/16" O.C., Add	6.38	
For Crossbars At 2" O.C., Add	0.80	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.21	
05 53 13 00-0055 SF 1" x 3/16" Aluminum, Swaged Grating.....	14.74	0.72
For Bearing Bars At 15/16" O.C., Add	8.52	
For Crossbars At 2" O.C., Add	1.06	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.29	
05 53 13 00-0056 SF 1-1/4" x 1/8" Aluminum, Swaged Grating.....	12.90	0.72
For Bearing Bars At 15/16" O.C., Add	7.34	
For Crossbars At 2" O.C., Add	0.92	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.24	
05 53 13 00-0057 SF 1-1/4" x 3/16" Aluminum, Swaged Grating.....	16.98	0.72
For Bearing Bars At 15/16" O.C., Add	9.95	
For Crossbars At 2" O.C., Add	1.24	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.35	
05 53 13 00-0058 SF 1-1/2" x 1/8" Aluminum, Swaged Grating.....	14.68	0.72
For Bearing Bars At 15/16" O.C., Add	8.48	
For Crossbars At 2" O.C., Add	1.06	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.29	
05 53 13 00-0059 SF 1-1/2" x 3/16" Aluminum, Swaged Grating.....	19.39	0.72
For Bearing Bars At 15/16" O.C., Add	11.49	
For Crossbars At 2" O.C., Add	1.44	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.41	
05 53 13 00-0060 SF 1-3/4" x 3/16" Aluminum, Swaged Grating.....	22.16	0.72
For Bearing Bars At 15/16" O.C., Add	13.27	
For Crossbars At 2" O.C., Add	1.66	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.48	
05 53 13 00-0061 SF 2" x 3/16" Aluminum, Swaged Grating.....	24.92	0.72
For Bearing Bars At 15/16" O.C., Add	15.03	
For Crossbars At 2" O.C., Add	1.88	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.55	
05 53 13 00-0062 SF 2-1/4" x 3/16" Aluminum, Swaged Grating.....	27.69	0.72
For Bearing Bars At 15/16" O.C., Add	16.81	
For Crossbars At 2" O.C., Add	2.10	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.61	
05 53 13 00-0063 SF 2-1/2" x 3/16" Aluminum, Swaged Grating.....	30.44	0.72
For Bearing Bars At 15/16" O.C., Add	18.57	
For Crossbars At 2" O.C., Add	2.32	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.68	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0064			Riveted Grating ^(05 53 13) Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.		
05 53 13 00-0065			Steel, Riveted Grating ^(05 53 13 00-0064) Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.		
05 53 13 00-0066	SF		3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating.....	41.19	0.72
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.91	
			For 304 Stainless Steel, Add	34.15	
			For 5/8" Clear Opening, Add	13.72	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.95	
05 53 13 00-0067	SF		3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating.....	48.47	0.72
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.26	
			For 304 Stainless Steel, Add	40.41	
			For 5/8" Clear Opening, Add	16.23	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.13	
05 53 13 00-0068	SF		1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating.....	44.54	0.72
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.07	
			For 304 Stainless Steel, Add	37.03	
			For 5/8" Clear Opening, Add	14.87	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.04	
05 53 13 00-0069	SF		1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating.....	51.24	0.72
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.39	
			For 304 Stainless Steel, Add	42.79	
			For 5/8" Clear Opening, Add	17.18	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.20	
05 53 13 00-0070	SF		1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating.....	47.32	0.72
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.20	
			For 304 Stainless Steel, Add	39.42	
			For 5/8" Clear Opening, Add	15.83	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.11	
05 53 13 00-0071	SF		1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating.....	56.41	0.72
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.64	
			For 304 Stainless Steel, Add	47.23	
			For 5/8" Clear Opening, Add	18.97	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.33	
05 53 13 00-0072	SF		1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating.....	50.32	0.87
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.33	
			For 304 Stainless Steel, Add	41.71	
			For 5/8" Clear Opening, Add	16.75	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.39	
05 53 13 00-0073	SF		1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating.....	60.04	0.87
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.80	
			For 304 Stainless Steel, Add	50.06	
			For 5/8" Clear Opening, Add	20.11	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.64	
05 53 13 00-0074	SF		1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating.....	65.00	0.87
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.04	
			For 304 Stainless Steel, Add	54.32	
			For 5/8" Clear Opening, Add	21.82	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.76	
05 53 13 00-0075	SF		2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating.....	76.07	0.87
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.57	
			For 304 Stainless Steel, Add	63.83	
			For 5/8" Clear Opening, Add	25.64	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.04	
05 53 13 00-0076	SF		2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating.....	79.92	0.87
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.75	
			For 304 Stainless Steel, Add	67.14	
			For 5/8" Clear Opening, Add	26.97	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0077 SF 2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating.....	83.36	0.87
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.92	
For 304 Stainless Steel, Add	70.09	
For 5/8" Clear Opening, Add	28.15	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.22	
05 53 13 00-0078 Aluminum, Riveted Grating (05 53 13 00-0064)		
Note: 1" clear opening, bolted in place and in all sizes.		
05 53 13 00-0079 SF 3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating.....	24.20	0.72
For 5/8" Clear Opening, Add	7.86	
For Set In Place Without Bolting, Deduct	-1.53	
05 53 13 00-0080 SF 3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating.....	28.71	0.72
For 5/8" Clear Opening, Add	9.41	
For Set In Place Without Bolting, Deduct	-1.64	
05 53 13 00-0081 SF 1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating.....	26.61	0.72
For 5/8" Clear Opening, Add	8.69	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.59	
05 53 13 00-0082 SF 1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating.....	31.01	0.72
For 5/8" Clear Opening, Add	10.21	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.70	
05 53 13 00-0083 SF 1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating.....	29.83	0.72
For 5/8" Clear Opening, Add	9.80	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.67	
05 53 13 00-0084 SF 1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating.....	35.94	0.72
For 5/8" Clear Opening, Add	11.91	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.82	
05 53 13 00-0085 SF 1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating.....	32.03	0.72
For 5/8" Clear Opening, Add	10.56	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.72	
05 53 13 00-0086 SF 1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating.....	39.79	0.72
For 5/8" Clear Opening, Add	13.23	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.92	
05 53 13 00-0087 SF 1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating.....	43.85	0.72
For 5/8" Clear Opening, Add	14.63	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.02	
05 53 13 00-0088 SF 2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating.....	52.21	0.72
For 5/8" Clear Opening, Add	17.52	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.23	
05 53 13 00-0089 SF 2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating.....	56.94	0.72
For 5/8" Clear Opening, Add	19.15	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.35	
05 53 13 00-0090 SF 2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating.....	63.30	0.72
For 5/8" Clear Opening, Add	21.35	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.50	

05 54 Metal Floor Plates (05 50)

05 54 00 00-0001 Steel Floor Plates (05 54)

05 54 00 00-0002 SF 16 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	10.32	0.84
05 54 00 00-0003 SF 14 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	11.78	0.84
05 54 00 00-0004 SF 12 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	14.73	0.84
05 54 00 00-0005 SF 1/8" Steel Raised Or Diamond Pattern Floor Plates.....	19.69	0.92
05 54 00 00-0006 SF 1/4" Steel Raised Or Diamond Pattern Floor Plates.....	24.98	0.98

05 54 00 00-0007 Aluminum Alloy Floor Plates (05 54)

05 54 00 00-0008 SF 0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	15.31	0.72
05 54 00 00-0009 SF 0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	17.57	0.84
05 54 00 00-0010 SF 0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	19.83	0.92

05 54 00 00-0011 Type 304 Stainless Steel Floor Plates (05 54)

05 54 00 00-0012 SF 1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	26.04	0.98
05 54 00 00-0013 SF 3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	31.15	1.11
05 54 00 00-0014 SF 1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate.....	40.40	1.31

05 55 Metal Stair Treads And Nosings (05 50)

05 Metals**05 50 Metal Fabrications****05 55 Metal Stair Treads And Nosings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**05 55 13 Metal Stair Treads** (05 55)**05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads** (05 55 13)

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0002	LF	8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	35.91	3.22
		<i>For 3/8" Thick, Add</i>	7.69	
05 55 13 00-0003	LF	9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	39.60	3.22
		<i>For 3/8" Thick, Add</i>	8.61	
05 55 13 00-0004	LF	10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	43.28	3.22
		<i>For 3/8" Thick, Add</i>	9.53	
05 55 13 00-0005	LF	11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	46.99	3.22
		<i>For 3/8" Thick, Add</i>	10.46	
05 55 13 00-0006	LF	12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	50.65	3.22
		<i>For 3/8" Thick, Add</i>	11.38	

05 55 13 00-0007 Abrasive Cast Iron Stair Treads (05 55 13)

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0008	LF	8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	50.22	3.22
05 55 13 00-0009	LF	9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	55.69	3.22
05 55 13 00-0010	LF	10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	61.17	3.22
05 55 13 00-0011	LF	11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	66.64	3.22
05 55 13 00-0012	LF	12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	72.12	3.22

05 55 13 00-0013 Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads (05 5513)
Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0014	LF	6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	18.64	3.22
05 55 13 00-0015	LF	9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	21.99	3.22
05 55 13 00-0016	LF	11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	23.46	3.22

05 55 13 00-0017 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads (05 55 13)

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0018	LF	8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	27.87	3.22
		<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.32	
		<i>For Two Color Tread, Add</i>	1.74	
05 55 13 00-0019	LF	9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	28.15	3.22
		<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.32	
		<i>For Two Color Tread, Add</i>	1.74	
05 55 13 00-0020	LF	11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	34.17	3.22
		<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.32	
		<i>For Two Color Tread, Add</i>	1.74	
05 55 13 00-0021	LF	12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	39.44	3.22
		<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.32	
		<i>For Two Color Tread, Add</i>	1.74	
05 55 13 00-0022	LF	15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	46.31	3.22
		<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.32	
		<i>For Two Color Tread, Add</i>	1.74	

05 55 13 00-0023 Stair Landing Treads (05 55 13)**05 55 13 00-0024 Abrasive Cast Aluminum Stair Landing Treads** (05 55 13 00-0023)

Note: Includes abrasive diamond pattern surface and anchors.

05 55 13 00-0025	SF	5/16" Thick, Abrasive Cast Aluminum Landing Treads.....	50.65	3.22
		<i>For 3/8" Thick, Add</i>	11.38	

05 55 13 00-0026 Abrasive Cast Iron Stair Landing Treads (05 55 13 00-0023)

Note: Includes abrasive diamond pattern surface and anchors.

05 55 13 00-0027	SF	3/8" Thick, Abrasive Cast Iron Landing Treads.....	72.12	3.22
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05 55 13 00-0028 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads (05 55 13 00-0023)

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.

05 55 13 00-0029	SF	9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads	46.92	3.22
		<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.32	

05 55 13 00-0030 Open Cast Iron Stair Tread (05 55 13)

Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.

05 55 13 00-0031	RSR	3'-6" Wide, Open Cast Iron Stair Tread.....	359.40	26.02
		<i>For Closed Riser, Add</i>	30.71	
05 55 13 00-0032	RSR	4'-0" Wide, Open Cast Iron Stair Tread.....	404.31	29.93
		<i>For Closed Riser, Add</i>	34.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0033 RSR 5'-0" Wide, Open Cast Iron Stair Tread..... <i>For Closed Riser, Add</i>	446.03 37.96	35.13
05 55 16 Metal Stair Nosings (05 55)		
05 55 16 00-0001 Abrasive Cast Aluminum Nosings (05 55 16) Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0002 LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing..... <i>For 3/8" Thick, Add</i>	14.99 2.87	2.19
05 55 16 00-0003 LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing..... <i>For 3/8" Thick, Add</i>	18.56 3.76	2.19
05 55 16 00-0004 LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing..... <i>For 3/8" Thick, Add</i>	26.50 5.75	2.19
05 55 16 00-0005 Abrasive Cast Iron Nosings (05 55 16) Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006 LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing..... <i>For 3/8" Thick, Add</i>	17.59 3.52	2.19
05 55 16 00-0007 LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing..... <i>For 3/8" Thick, Add</i>	21.98 4.62	2.19
05 55 16 00-0008 LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing..... <i>For 3/8" Thick, Add</i>	30.65 6.79	2.19
05 55 16 00-0009 Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings (05 55 16) Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010 LF 1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	12.58	2.19
05 55 16 00-0011 LF 3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	14.30	2.19
05 55 16 00-0012 LF 4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	15.61	2.19
05 55 16 00-0013 LF 6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	19.68	2.19
05 55 16 00-0014 LF 1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	13.04	2.19
05 55 16 00-0015 LF 3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	14.50	2.19
05 55 16 00-0016 LF 4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	15.96	2.19
05 55 16 00-0017 LF 3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	15.07	2.19
05 56 Metal Castings (05 50)		
05 56 00 00-0001 Castings (05 56)		
05 56 00 00-0002 LB Up To 150 LB, Miscellaneous Castings, Light Section	2.87	0.33
05 56 00 00-0003 LB >150 LB, Miscellaneous Castings, Heavy Section.....	4.83	0.26
05 58 Formed Metal Fabrications (05 50)		
05 58 16 Formed Metal Enclosures (05 58)		
05 58 16 00-0001 Drip Pan (05 58 16)		
05 58 16 00-0002 SF Stainless Steel Drip Pan	57.19	3.51
05 58 16 00-0003 SF Galvanized Steel Drip Pan.....	56.50	3.51
05 58 16 00-0004 SF Aluminum Drip Pan	39.67	2.80
05 58 16 00-0005 SF Plastic Drip Pan	10.36	2.45
05 58 23 Formed Metal Guards (05 58)		
05 58 23 00-0001 Protective Guard Rails (05 58 23) Note: Includes painted finish.		
05 58 23 00-0002 2-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0001) Note: Steel King Armor Guard.		
05 58 23 00-0003 Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0002) Note: Excludes posts. Includes fasteners.		
05 58 23 00-0004 EA 1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	103.58	10.53
05 58 23 00-0005 EA 2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	122.03	10.53
05 58 23 00-0006 EA 3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	139.44	10.53
05 58 23 00-0007 EA 4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	157.90	10.53
05 58 23 00-0008 EA 5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	175.40	10.53
05 58 23 00-0009 EA 6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	198.10	10.53
05 58 23 00-0010 EA 7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	213.56	10.53
05 58 23 00-0011 EA 8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	237.50	10.53
05 58 23 00-0012 EA 9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	253.21	10.53
05 58 23 00-0013 EA 10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	264.44	10.53
05 58 23 00-0014 Posts For 2-Rib Guard Rails (05 58 23 00-0002) Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0015 EA 12" Height, Single Rail Post For 2-Rib Guard Rails	207.44	21.92
05 58 23 00-0016 EA 42" Height, Triple Rail Post For 2-Rib Guard Rails	271.53	21.92

05 Metals**05 50 Metal Fabrications****05 58 Formed Metal Fabrications**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23 00-0017			3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0001) Note: Steel King Steel Guard.		
05 58 23 00-0018			Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017) Note: Excludes posts. Includes fasteners.		
05 58 23 00-0019	EA		1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	114.70	10.53
05 58 23 00-0020	EA		2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	126.97	10.53
05 58 23 00-0021	EA		3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	142.28	10.53
05 58 23 00-0022	EA		4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	156.60	10.53
05 58 23 00-0023	EA		5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	173.16	10.53
05 58 23 00-0024	EA		6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	181.14	10.53
05 58 23 00-0025	EA		7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	200.34	10.53
05 58 23 00-0026	EA		8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	216.55	10.53
05 58 23 00-0027	EA		9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	233.76	10.53
05 58 23 00-0028	EA		10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	251.22	10.53
05 58 23 00-0029			Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017) Note: Excludes posts. Includes fasteners and lift-out mounting plate.		
05 58 23 00-0030	EA		1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	169.92	10.53
05 58 23 00-0031	EA		2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	183.38	10.53
05 58 23 00-0032	EA		3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	197.35	10.53
05 58 23 00-0033	EA		4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	213.56	10.53
05 58 23 00-0034	EA		5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	229.77	10.53
05 58 23 00-0035	EA		6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	242.99	10.53
05 58 23 00-0036	EA		7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	258.20	10.53
05 58 23 00-0037	EA		8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	275.41	10.53
05 58 23 00-0038	EA		9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	293.86	10.53
05 58 23 00-0039	EA		10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	310.07	10.53
05 58 23 00-0040			Posts For 3-Rib Guard Rails (05 58 23 00-0017) Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0041	EA		18" Height, Single Rail Post For 3-Rib Guard Rails	181.90	21.92
05 58 23 00-0042	EA		42" Height, Double Rail Post For 3-Rib Guard Rails	233.88	21.92
05 58 23 00-0043			All-Welded, Protective Guards (05 58 23) Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0044			All-Welded, Protective Guards (05 58 23 00-0043)		
05 58 23 00-0045	EA		36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	237.26	29.23
05 58 23 00-0046	EA		48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	249.73	29.23
05 58 23 00-0047	EA		36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	256.96	29.23
05 58 23 00-0048	EA		48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	267.69	29.23
05 58 23 00-0049	EA		36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	265.19	29.23
05 58 23 00-0050	EA		48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	278.41	29.23
05 58 23 00-0051	EA		36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	282.15	29.23
05 58 23 00-0052	EA		48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	286.39	29.23
05 58 23 00-0053	EA		48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	306.59	29.23
05 58 23 00-0054			Corner Style, All-Welded, Protective Guards (05 58 23 00-0043)		
05 58 23 00-0055	EA		24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	314.57	29.23
05 58 23 00-0056	EA		30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	329.54	29.23
05 58 23 00-0057	EA		24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	335.77	29.23
05 58 23 00-0058	EA		30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	366.45	29.23
05 58 23 00-0059			Warehouse Safety Bollards (05 58 23) Note: Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0060	EA		24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	148.61	21.92
05 58 23 00-0061	EA		36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	173.25	21.92
05 58 23 00-0062	EA		42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	199.34	21.92
05 58 23 00-0063	EA		36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	206.47	21.92
05 58 23 00-0064	EA		42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	222.93	21.92
05 59			Metal Specialties (05 50)		
05 59 65			Chain (05 59)		
05 59 65 00-0001			Alloy Steel Chain, Self Colored, Cut Length (05 59 65) Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.		
05 59 65 00-0002	LF		3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored	3.43	0.63
			For Plastic Dipped, Add	0.33	
05 59 65 00-0003	LF		1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	4.60	0.84
			For Plastic Dipped, Add	0.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 65 00-0004 LF 3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	7.31 0.59	1.67
05 59 65 00-0005 LF 1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	11.73 0.91	2.83
05 59 65 00-0006 LF 5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	19.80 1.53	4.78
05 59 65 00-0007 LF 3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	27.78 2.15	6.72
05 59 65 00-0008 LF 7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	37.84 3.16	8.39
05 59 65 00-0009 LF 1" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	54.65 4.84	11.18
05 59 65 00-0010 LF 1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored <i>For Plastic Dipped, Add</i>	88.81 8.29	16.78
 05 59 69 Metal Panels <small>(05 59)</small>		
05 59 69 00-0001 Woven And Welded Wire Cloth <small>(05 59 69)</small> Note: Excludes frame and fastening to frame. See CSI section 05 12 23 00-0087 for spot welding.		
05 59 69 00-0002 Plain Steel Woven And Welded Wire Cloth Panels <small>(05 59 69 00-0001)</small>		
05 59 69 00-0003 2" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0004 SF 0.12" Thick Wire, 2" Spacing, 0.44 LB/SF Woven And Welded Wire Cloth Panels <i>For Up To 2, Add</i> <i>For >2 To 6, Add</i> <i>For >15 To 40, Deduct</i> <i>For >40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	6.02 1.68 0.96 -0.18 -0.54 1.82 2.18 8.71 9.98	1.80
05 59 69 00-0005 SF 0.135" Thick Wire, 2" Spacing, 0.55 LB/SF Woven And Welded Wire Cloth Panels <i>For Up To 2, Add</i> <i>For >2 To 6, Add</i> <i>For >15 To 40, Deduct</i> <i>For >40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	6.48 1.79 1.02 -0.20 -0.60 2.00 2.39 9.58 10.97	1.87
05 59 69 00-0006 SF 0.148" Thick Wire, 2" Spacing, 0.65 LB/SF Woven And Welded Wire Cloth Panels <i>For Up To 2, Add</i> <i>For >2 To 6, Add</i> <i>For >15 To 40, Deduct</i> <i>For >40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	6.88 1.93 1.10 -0.21 -0.62 2.06 2.47 9.89 11.33	2.07
05 59 69 00-0007 SF 0.162" Thick Wire, 2" Spacing, 0.78 LB/SF Woven And Welded Wire Cloth Panels <i>For Up To 2, Add</i> <i>For >2 To 6, Add</i> <i>For >15 To 40, Deduct</i> <i>For >40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	7.25 2.02 1.16 -0.22 -0.66 2.19 2.63 10.51 12.05	2.16
05 59 69 00-0008 SF 0.177" Thick Wire, 2" Spacing, 0.92 LB/SF Woven And Welded Wire Cloth Panels <i>For Up To 2, Add</i> <i>For >2 To 6, Add</i> <i>For >15 To 40, Deduct</i> <i>For >40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	7.93 2.23 1.28 -0.24 -0.71 2.36 2.83 11.30 12.95	2.42
05 59 69 00-0009 SF 0.192" Thick Wire, 2" Spacing, 1.08 LB/SF Woven And Welded Wire Cloth Panels <i>For Up To 2, Add</i> <i>For >2 To 6, Add</i> <i>For >15 To 40, Deduct</i> <i>For >40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	9.12 2.54 1.45 -0.28 -0.83 2.77 3.32 13.27 15.21	2.69
05 59 69 00-0010 SF 0.207" Thick Wire, 2" Spacing, 1.25 LB/SF Woven And Welded Wire Cloth Panels <i>For Up To 2, Add</i> <i>For >2 To 6, Add</i> <i>For >15 To 40, Deduct</i> <i>For >40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	10.34 2.86 1.63 -0.32 -0.96 3.20 3.84 15.36 17.60	2.96

05	Metals
05 50	Metal Fabrications
05 59	Metal Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0011	SF		0.225" Thick Wire, 2" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels.....	11.86	3.29
			<i>For Up To 2, Add</i>	3.25	
			<i>For >2 To 6, Add</i>	1.84	
			<i>For >15 To 40, Deduct</i>	-0.37	
			<i>For >40, Deduct</i>	-1.12	
			<i>For Galvanized, Add</i>	3.74	
			<i>For Aluminum, Add</i>	4.48	
			<i>For 304 Stainless Steel, Add</i>	17.93	
			<i>For 316 Stainless Steel, Add</i>	20.54	
05 59 69 00-0012			1-3/4" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0013	SF		0.12" Thick Wire, 1-3/4" Spacing, 0.49 LB/SF Woven And Welded Wire Cloth Panels	6.31	1.90
			<i>For Up To 2, Add</i>	1.77	
			<i>For >2 To 6, Add</i>	1.01	
			<i>For >15 To 40, Deduct</i>	-0.19	
			<i>For >40, Deduct</i>	-0.57	
			<i>For Galvanized, Add</i>	1.89	
			<i>For Aluminum, Add</i>	2.27	
			<i>For 304 Stainless Steel, Add</i>	9.07	
			<i>For 316 Stainless Steel, Add</i>	10.40	
05 59 69 00-0014	SF		0.135" Thick Wire, 1-3/4" Spacing, 0.62 LB/SF Woven And Welded Wire Cloth Panels	6.95	2.00
			<i>For Up To 2, Add</i>	1.92	
			<i>For >2 To 6, Add</i>	1.10	
			<i>For >15 To 40, Deduct</i>	-0.21	
			<i>For >40, Deduct</i>	-0.64	
			<i>For Galvanized, Add</i>	2.14	
			<i>For Aluminum, Add</i>	2.57	
			<i>For 304 Stainless Steel, Add</i>	10.27	
			<i>For 316 Stainless Steel, Add</i>	11.77	
05 59 69 00-0015	SF		0.148" Thick Wire, 1-3/4" Spacing, 0.74 LB/SF Woven And Welded Wire Cloth Panels	7.47	2.24
			<i>For Up To 2, Add</i>	2.09	
			<i>For >2 To 6, Add</i>	1.20	
			<i>For >15 To 40, Deduct</i>	-0.22	
			<i>For >40, Deduct</i>	-0.67	
			<i>For Galvanized, Add</i>	2.24	
			<i>For Aluminum, Add</i>	2.68	
			<i>For 304 Stainless Steel, Add</i>	10.73	
			<i>For 316 Stainless Steel, Add</i>	12.29	
05 59 69 00-0016	SF		0.162" Thick Wire, 1-3/4" Spacing, 0.88 LB/SF Woven And Welded Wire Cloth Panels	7.80	2.32
			<i>For Up To 2, Add</i>	2.18	
			<i>For >2 To 6, Add</i>	1.24	
			<i>For >15 To 40, Deduct</i>	-0.24	
			<i>For >40, Deduct</i>	-0.71	
			<i>For Galvanized, Add</i>	2.36	
			<i>For Aluminum, Add</i>	2.83	
			<i>For 304 Stainless Steel, Add</i>	11.30	
			<i>For 316 Stainless Steel, Add</i>	12.95	
05 59 69 00-0017	SF		0.177" Thick Wire, 1-3/4" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels	8.53	2.60
			<i>For Up To 2, Add</i>	2.40	
			<i>For >2 To 6, Add</i>	1.37	
			<i>For >15 To 40, Deduct</i>	-0.25	
			<i>For >40, Deduct</i>	-0.76	
			<i>For Galvanized, Add</i>	2.54	
			<i>For Aluminum, Add</i>	3.04	
			<i>For 304 Stainless Steel, Add</i>	12.17	
			<i>For 316 Stainless Steel, Add</i>	13.94	
05 59 69 00-0018	SF		0.192" Thick Wire, 1-3/4" Spacing, 1.22 LB/SF Woven And Welded Wire Cloth Panels	9.81	2.90
			<i>For Up To 2, Add</i>	2.73	
			<i>For >2 To 6, Add</i>	1.56	
			<i>For >15 To 40, Deduct</i>	-0.30	
			<i>For >40, Deduct</i>	-0.89	
			<i>For Galvanized, Add</i>	2.98	
			<i>For Aluminum, Add</i>	3.57	
			<i>For 304 Stainless Steel, Add</i>	14.28	
			<i>For 316 Stainless Steel, Add</i>	16.36	
05 59 69 00-0019	SF		0.207" Thick Wire, 1-3/4" Spacing, 1.41 LB/SF Woven And Welded Wire Cloth Panels	11.12	3.18
			<i>For Up To 2, Add</i>	3.07	
			<i>For >2 To 6, Add</i>	1.75	
			<i>For >15 To 40, Deduct</i>	-0.34	
			<i>For >40, Deduct</i>	-1.03	
			<i>For Galvanized, Add</i>	3.44	
			<i>For Aluminum, Add</i>	4.12	
			<i>For 304 Stainless Steel, Add</i>	16.49	
			<i>For 316 Stainless Steel, Add</i>	18.89	
05 59 69 00-0020	SF		0.225" Thick Wire, 1-3/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels	12.76	3.54
			<i>For Up To 2, Add</i>	3.50	
			<i>For >2 To 6, Add</i>	1.98	
			<i>For >15 To 40, Deduct</i>	-0.40	
			<i>For >40, Deduct</i>	-1.21	
			<i>For Galvanized, Add</i>	4.02	
			<i>For Aluminum, Add</i>	4.82	
			<i>For 304 Stainless Steel, Add</i>	19.30	
			<i>For 316 Stainless Steel, Add</i>	22.11	



Metals	05	05
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0021 1-1/2" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0022 SF 0.12" Thick Wire, 1-1/2" Spacing, 0.57 LB/SF Woven And Welded Wire Cloth Panels	6.99	2.11
For Up To 2, Add	1.96	
For >2 To 6, Add	1.12	
For >15 To 40, Deduct	-0.21	
For >40, Deduct	-0.63	
For Galvanized, Add	2.10	
For Aluminum, Add	2.51	
For 304 Stainless Steel, Add	10.06	
For 316 Stainless Steel, Add	11.52	
05 59 69 00-0023 SF 0.135" Thick Wire, 1-1/2" Spacing, 0.72 LB/SF Woven And Welded Wire Cloth Panels	7.68	2.22
For Up To 2, Add	2.13	
For >2 To 6, Add	1.21	
For >15 To 40, Deduct	-0.24	
For >40, Deduct	-0.71	
For Galvanized, Add	2.37	
For Aluminum, Add	2.84	
For 304 Stainless Steel, Add	11.35	
For 316 Stainless Steel, Add	13.01	
05 59 69 00-0024 SF 0.148" Thick Wire, 1-1/2" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels	8.17	2.46
For Up To 2, Add	2.29	
For >2 To 6, Add	1.31	
For >15 To 40, Deduct	-0.24	
For >40, Deduct	-0.73	
For Galvanized, Add	2.45	
For Aluminum, Add	2.93	
For 304 Stainless Steel, Add	11.74	
For 316 Stainless Steel, Add	13.45	
05 59 69 00-0025 SF 0.162" Thick Wire, 1-1/2" Spacing, 1.02 LB/SF Woven And Welded Wire Cloth Panels	8.61	2.56
For Up To 2, Add	2.40	
For >2 To 6, Add	1.37	
For >15 To 40, Deduct	-0.26	
For >40, Deduct	-0.78	
For Galvanized, Add	2.60	
For Aluminum, Add	3.12	
For 304 Stainless Steel, Add	12.48	
For 316 Stainless Steel, Add	14.30	
05 59 69 00-0026 SF 0.177" Thick Wire, 1-1/2" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels	9.38	2.86
For Up To 2, Add	2.64	
For >2 To 6, Add	1.51	
For >15 To 40, Deduct	-0.28	
For >40, Deduct	-0.84	
For Galvanized, Add	2.79	
For Aluminum, Add	3.34	
For 304 Stainless Steel, Add	13.37	
For 316 Stainless Steel, Add	15.32	
05 59 69 00-0027 SF 0.192" Thick Wire, 1-1/2" Spacing, 1.4 LB/SF Woven And Welded Wire Cloth Panels	10.73	3.17
For Up To 2, Add	2.99	
For >2 To 6, Add	1.71	
For >15 To 40, Deduct	-0.33	
For >40, Deduct	-0.98	
For Galvanized, Add	3.25	
For Aluminum, Add	3.90	
For 304 Stainless Steel, Add	15.60	
For 316 Stainless Steel, Add	17.88	
05 59 69 00-0028 SF 0.207" Thick Wire, 1-1/2" Spacing, 1.62 LB/SF Woven And Welded Wire Cloth Panels	12.16	3.48
For Up To 2, Add	3.36	
For >2 To 6, Add	1.91	
For >15 To 40, Deduct	-0.38	
For >40, Deduct	-1.13	
For Galvanized, Add	3.76	
For Aluminum, Add	4.51	
For 304 Stainless Steel, Add	18.05	
For 316 Stainless Steel, Add	20.68	
05 59 69 00-0029 SF 0.225" Thick Wire, 1-1/2" Spacing, 1.89 LB/SF Woven And Welded Wire Cloth Panels	13.91	3.86
For Up To 2, Add	3.81	
For >2 To 6, Add	2.16	
For >15 To 40, Deduct	-0.44	
For >40, Deduct	-1.32	
For Galvanized, Add	4.39	
For Aluminum, Add	5.26	
For 304 Stainless Steel, Add	21.05	
For 316 Stainless Steel, Add	24.12	
05 59 69 00-0030 1-1/4" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0031 SF 0.105" Thick Wire, 1-1/4" Spacing, 0.52 LB/SF Woven And Welded Wire Cloth Panels	7.14	2.28
For Up To 2, Add	2.04	
For >2 To 6, Add	1.17	
For >15 To 40, Deduct	-0.21	
For >40, Deduct	-0.62	
For Galvanized, Add	2.05	
For Aluminum, Add	2.46	
For 304 Stainless Steel, Add	9.84	
For 316 Stainless Steel, Add	11.28	

05	Metals
05 50	Metal Fabrications
05 59	Metal Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0032 SF 0.12" Thick Wire, 1-1/4" Spacing, 0.68 LB/SF Woven And Welded Wire Cloth Panels	7.73	2.39
For Up To 2, Add	2.18	
For >2 To 6, Add	1.25	
For >15 To 40, Deduct	-0.23	
For >40, Deduct	-0.68	
For Galvanized, Add	2.27	
For Aluminum, Add	2.72	
For 304 Stainless Steel, Add	10.90	
For 316 Stainless Steel, Add	12.49	
05 59 69 00-0033 SF 0.135" Thick Wire, 1-1/4" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels	8.40	2.49
For Up To 2, Add	2.34	
For >2 To 6, Add	1.34	
For >15 To 40, Deduct	-0.25	
For >40, Deduct	-0.76	
For Galvanized, Add	2.54	
For Aluminum, Add	3.05	
For 304 Stainless Steel, Add	12.19	
For 316 Stainless Steel, Add	13.97	
05 59 69 00-0034 SF 0.148" Thick Wire, 1-1/4" Spacing, 1.01 LB/SF Woven And Welded Wire Cloth Panels	8.66	2.54
For Up To 2, Add	2.41	
For >2 To 6, Add	1.37	
For >15 To 40, Deduct	-0.26	
For >40, Deduct	-0.79	
For Galvanized, Add	2.64	
For Aluminum, Add	3.17	
For 304 Stainless Steel, Add	12.67	
For 316 Stainless Steel, Add	14.52	
05 59 69 00-0035 SF 0.162" Thick Wire, 1-1/4" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels	9.38	2.86
For Up To 2, Add	2.64	
For >2 To 6, Add	1.51	
For >15 To 40, Deduct	-0.28	
For >40, Deduct	-0.83	
For Galvanized, Add	2.78	
For Aluminum, Add	3.34	
For 304 Stainless Steel, Add	13.34	
For 316 Stainless Steel, Add	15.29	
05 59 69 00-0036 SF 0.177" Thick Wire, 1-1/4" Spacing, 1.42 LB/SF Woven And Welded Wire Cloth Panels	10.58	3.22
For Up To 2, Add	2.98	
For >2 To 6, Add	1.70	
For >15 To 40, Deduct	-0.31	
For >40, Deduct	-0.94	
For Galvanized, Add	3.14	
For Aluminum, Add	3.77	
For 304 Stainless Steel, Add	15.07	
For 316 Stainless Steel, Add	17.27	
05 59 69 00-0037 SF 0.192" Thick Wire, 1-1/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels	12.03	3.56
For Up To 2, Add	3.35	
For >2 To 6, Add	1.91	
For >15 To 40, Deduct	-0.36	
For >40, Deduct	-1.09	
For Galvanized, Add	3.65	
For Aluminum, Add	4.37	
For 304 Stainless Steel, Add	17.50	
For 316 Stainless Steel, Add	20.05	
05 59 69 00-0038 SF 0.207" Thick Wire, 1-1/4" Spacing, 1.9 LB/SF Woven And Welded Wire Cloth Panels	13.58	3.88
For Up To 2, Add	3.75	
For >2 To 6, Add	2.14	
For >15 To 40, Deduct	-0.42	
For >40, Deduct	-1.26	
For Galvanized, Add	4.20	
For Aluminum, Add	5.04	
For 304 Stainless Steel, Add	20.16	
For 316 Stainless Steel, Add	23.10	
05 59 69 00-0039 SF 0.225" Thick Wire, 1-1/4" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels	15.56	4.32
For Up To 2, Add	4.26	
For >2 To 6, Add	2.42	
For >15 To 40, Deduct	-0.49	
For >40, Deduct	-1.47	
For Galvanized, Add	4.91	
For Aluminum, Add	5.89	
For 304 Stainless Steel, Add	23.54	
For 316 Stainless Steel, Add	26.98	
05 59 69 00-0040 1" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0041 SF 0.105" Thick Wire, 1" Spacing, 0.64 LB/SF Woven And Welded Wire Cloth Panels	8.15	2.67
For Up To 2, Add	2.34	
For >2 To 6, Add	1.35	
For >15 To 40, Deduct	-0.23	
For >40, Deduct	-0.69	
For Galvanized, Add	2.30	
For Aluminum, Add	2.75	
For 304 Stainless Steel, Add	11.02	
For 316 Stainless Steel, Add	12.62	



Metals	05	05
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0042 SF 0.12" Thick Wire, 1" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels	8.74	2.78
For Up To 2, Add	2.49	
For >2 To 6, Add	1.43	
For >15 To 40, Deduct	-0.25	
For >40, Deduct	-0.76	
For Galvanized, Add	2.52	
For Aluminum, Add	3.02	
For 304 Stainless Steel, Add	12.10	
For 316 Stainless Steel, Add	13.86	
05 59 69 00-0043 SF 0.135" Thick Wire, 1" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels	9.10	2.90
For Up To 2, Add	2.59	
For >2 To 6, Add	1.49	
For >15 To 40, Deduct	-0.26	
For >40, Deduct	-0.78	
For Galvanized, Add	2.62	
For Aluminum, Add	3.14	
For 304 Stainless Steel, Add	12.55	
For 316 Stainless Steel, Add	14.38	
05 59 69 00-0044 SF 0.148" Thick Wire, 1" Spacing, 1.23 LB/SF Woven And Welded Wire Cloth Panels	9.77	2.94
For Up To 2, Add	2.74	
For >2 To 6, Add	1.57	
For >15 To 40, Deduct	-0.29	
For >40, Deduct	-0.88	
For Galvanized, Add	2.93	
For Aluminum, Add	3.51	
For 304 Stainless Steel, Add	14.04	
For 316 Stainless Steel, Add	16.09	
05 59 69 00-0045 SF 0.162" Thick Wire, 1" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels	10.87	3.32
For Up To 2, Add	3.06	
For >2 To 6, Add	1.75	
For >15 To 40, Deduct	-0.32	
For >40, Deduct	-0.97	
For Galvanized, Add	3.22	
For Aluminum, Add	3.86	
For 304 Stainless Steel, Add	15.46	
For 316 Stainless Steel, Add	17.71	
05 59 69 00-0046 SF 0.177" Thick Wire, 1" Spacing, 1.72 LB/SF Woven And Welded Wire Cloth Panels	12.19	3.71
For Up To 2, Add	3.43	
For >2 To 6, Add	1.96	
For >15 To 40, Deduct	-0.36	
For >40, Deduct	-1.09	
For Galvanized, Add	3.62	
For Aluminum, Add	4.34	
For 304 Stainless Steel, Add	17.38	
For 316 Stainless Steel, Add	19.91	
05 59 69 00-0047 SF 0.192" Thick Wire, 1" Spacing, 2.01 LB/SF Woven And Welded Wire Cloth Panels	13.96	4.12
For Up To 2, Add	3.89	
For >2 To 6, Add	2.22	
For >15 To 40, Deduct	-0.42	
For >40, Deduct	-1.27	
For Galvanized, Add	4.23	
For Aluminum, Add	5.08	
For 304 Stainless Steel, Add	20.30	
For 316 Stainless Steel, Add	23.27	
05 59 69 00-0048 SF 0.207" Thick Wire, 1" Spacing, 2.31 LB/SF Woven And Welded Wire Cloth Panels	15.72	4.51
For Up To 2, Add	4.34	
For >2 To 6, Add	2.47	
For >15 To 40, Deduct	-0.49	
For >40, Deduct	-1.46	
For Galvanized, Add	4.86	
For Aluminum, Add	5.83	
For 304 Stainless Steel, Add	23.33	
For 316 Stainless Steel, Add	26.73	
05 59 69 00-0049 SF 0.225" Thick Wire, 1" Spacing, 2.69 LB/SF Woven And Welded Wire Cloth Panels	17.96	4.98
For Up To 2, Add	4.92	
For >2 To 6, Add	2.79	
For >15 To 40, Deduct	-0.57	
For >40, Deduct	-1.70	
For Galvanized, Add	5.66	
For Aluminum, Add	6.79	
For 304 Stainless Steel, Add	27.17	
For 316 Stainless Steel, Add	31.13	
05 59 69 00-0050 3/4" Square Wire Spacing (05 59 69 00-0042)		
05 59 69 00-0051 SF 0.105" Thick Wire, 3/4" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels	8.25	2.66
For Up To 2, Add	2.36	
For >2 To 6, Add	1.36	
For >15 To 40, Deduct	-0.24	
For >40, Deduct	-0.71	
For Galvanized, Add	2.35	
For Aluminum, Add	2.82	
For 304 Stainless Steel, Add	11.28	
For 316 Stainless Steel, Add	12.93	

05	Metals
05 50	Metal Fabrications
05 59	Metal Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 59 69 00-0052	SF		0.12" Thick Wire, 3/4" Spacing, 1.07 LB/SF Woven And Welded Wire Cloth Panels.....	9.21	2.99
			<i>For Up To 2, Add</i>	2.64	
			<i>For >2 To 6, Add</i>	1.52	
			<i>For >15 To 40, Deduct</i>	-0.26	
			<i>For >40, Deduct</i>	-0.78	
			<i>For Galvanized, Add</i>	2.62	
			<i>For Aluminum, Add</i>	3.14	
			<i>For 304 Stainless Steel, Add</i>	12.55	
			<i>For 316 Stainless Steel, Add</i>	14.38	
05 59 69 00-0053	SF		0.135" Thick Wire, 3/4" Spacing, 1.33 LB/SF Woven And Welded Wire Cloth Panels.....	10.19	3.38
			<i>For Up To 2, Add</i>	2.94	
			<i>For >2 To 6, Add</i>	1.69	
			<i>For >15 To 40, Deduct</i>	-0.28	
			<i>For >40, Deduct</i>	-0.85	
			<i>For Galvanized, Add</i>	2.85	
			<i>For Aluminum, Add</i>	3.41	
			<i>For 304 Stainless Steel, Add</i>	13.66	
			<i>For 316 Stainless Steel, Add</i>	15.65	
05 59 69 00-0054	SF		0.148" Thick Wire, 3/4" Spacing, 1.58 LB/SF Woven And Welded Wire Cloth Panels.....	11.02	3.60
			<i>For Up To 2, Add</i>	3.16	
			<i>For >2 To 6, Add</i>	1.82	
			<i>For >15 To 40, Deduct</i>	-0.31	
			<i>For >40, Deduct</i>	-0.93	
			<i>For Galvanized, Add</i>	3.11	
			<i>For Aluminum, Add</i>	3.73	
			<i>For 304 Stainless Steel, Add</i>	14.93	
			<i>For 316 Stainless Steel, Add</i>	17.11	
05 59 69 00-0055	SF		0.162" Thick Wire, 3/4" Spacing, 1.87 LB/SF Woven And Welded Wire Cloth Panels.....	12.76	4.04
			<i>For Up To 2, Add</i>	3.63	
			<i>For >2 To 6, Add</i>	2.09	
			<i>For >15 To 40, Deduct</i>	-0.37	
			<i>For >40, Deduct</i>	-1.10	
			<i>For Galvanized, Add</i>	3.68	
			<i>For Aluminum, Add</i>	4.42	
			<i>For 304 Stainless Steel, Add</i>	17.66	
			<i>For 316 Stainless Steel, Add</i>	20.24	
05 59 69 00-0056	SF		0.177" Thick Wire, 3/4" Spacing, 2.2 LB/SF Woven And Welded Wire Cloth Panels.....	14.69	4.53
			<i>For Up To 2, Add</i>	4.14	
			<i>For >2 To 6, Add</i>	2.37	
			<i>For >15 To 40, Deduct</i>	-0.43	
			<i>For >40, Deduct</i>	-1.30	
			<i>For Galvanized, Add</i>	4.33	
			<i>For Aluminum, Add</i>	5.20	
			<i>For 304 Stainless Steel, Add</i>	20.78	
			<i>For 316 Stainless Steel, Add</i>	23.82	
05 59 69 00-0057	SF		0.192" Thick Wire, 3/4" Spacing, 2.56 LB/SF Woven And Welded Wire Cloth Panels.....	16.76	5.00
			<i>For Up To 2, Add</i>	4.69	
			<i>For >2 To 6, Add</i>	2.68	
			<i>For >15 To 40, Deduct</i>	-0.50	
			<i>For >40, Deduct</i>	-1.51	
			<i>For Galvanized, Add</i>	5.04	
			<i>For Aluminum, Add</i>	6.05	
			<i>For 304 Stainless Steel, Add</i>	24.19	
			<i>For 316 Stainless Steel, Add</i>	27.72	
05 59 69 00-0058	SF		0.207" Thick Wire, 3/4" Spacing, 2.93 LB/SF Woven And Welded Wire Cloth Panels.....	18.79	5.44
			<i>For Up To 2, Add</i>	5.21	
			<i>For >2 To 6, Add</i>	2.97	
			<i>For >15 To 40, Deduct</i>	-0.58	
			<i>For >40, Deduct</i>	-1.73	
			<i>For Galvanized, Add</i>	5.77	
			<i>For Aluminum, Add</i>	6.92	
			<i>For 304 Stainless Steel, Add</i>	27.70	
			<i>For 316 Stainless Steel, Add</i>	31.74	
05 59 69 00-0059	SF		0.225" Thick Wire, 3/4" Spacing, 3.41 LB/SF Woven And Welded Wire Cloth Panels.....	21.45	6.01
			<i>For Up To 2, Add</i>	5.89	
			<i>For >2 To 6, Add</i>	3.35	
			<i>For >15 To 40, Deduct</i>	-0.67	
			<i>For >40, Deduct</i>	-2.01	
			<i>For Galvanized, Add</i>	6.72	
			<i>For Aluminum, Add</i>	8.06	
			<i>For 304 Stainless Steel, Add</i>	32.23	
			<i>For 316 Stainless Steel, Add</i>	36.93	
05 59 69 00-0060			1/2" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0061	SF		0.105" Thick Wire, 1/2" Spacing, 1.18 LB/SF Woven And Welded Wire Cloth Panels.....	8.61	2.85
			<i>For Up To 2, Add</i>	2.48	
			<i>For >2 To 6, Add</i>	1.43	
			<i>For >15 To 40, Deduct</i>	-0.24	
			<i>For >40, Deduct</i>	-0.72	
			<i>For Galvanized, Add</i>	2.41	
			<i>For Aluminum, Add</i>	2.89	
			<i>For 304 Stainless Steel, Add</i>	11.54	
			<i>For 316 Stainless Steel, Add</i>	13.23	



Metals	05	05
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0062 SF 0.12" Thick Wire, 1/2" Spacing, 1.51 LB/SF Woven And Welded Wire Cloth Panels	10.06	3.46
For Up To 2, Add	2.94	
For >2 To 6, Add	1.70	
For >15 To 40, Deduct	-0.27	
For >40, Deduct	-0.81	
For Galvanized, Add	2.72	
For Aluminum, Add	3.26	
For 304 Stainless Steel, Add	13.03	
For 316 Stainless Steel, Add	14.93	
05 59 69 00-0063 SF 0.135" Thick Wire, 1/2" Spacing, 1.88 LB/SF Woven And Welded Wire Cloth Panels	12.17	4.10
For Up To 2, Add	3.53	
For >2 To 6, Add	2.04	
For >15 To 40, Deduct	-0.34	
For >40, Deduct	-1.01	
For Galvanized, Add	3.35	
For Aluminum, Add	4.02	
For 304 Stainless Steel, Add	16.08	
For 316 Stainless Steel, Add	18.43	
05 59 69 00-0064 SF 0.148" Thick Wire, 1/2" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels	14.04	4.60
For Up To 2, Add	4.03	
For >2 To 6, Add	2.32	
For >15 To 40, Deduct	-0.40	
For >40, Deduct	-1.19	
For Galvanized, Add	3.96	
For Aluminum, Add	4.75	
For 304 Stainless Steel, Add	18.98	
For 316 Stainless Steel, Add	21.75	
05 59 69 00-0065 SF 0.162" Thick Wire, 1/2" Spacing, 2.61 LB/SF Woven And Welded Wire Cloth Panels	16.15	5.13
For Up To 2, Add	4.60	
For >2 To 6, Add	2.64	
For >15 To 40, Deduct	-0.47	
For >40, Deduct	-1.40	
For Galvanized, Add	4.65	
For Aluminum, Add	5.58	
For 304 Stainless Steel, Add	22.32	
For 316 Stainless Steel, Add	25.58	
05 59 69 00-0066 SF 0.177" Thick Wire, 1/2" Spacing, 3.06 LB/SF Woven And Welded Wire Cloth Panels	18.54	5.72
For Up To 2, Add	5.23	
For >2 To 6, Add	3.00	
For >15 To 40, Deduct	-0.55	
For >40, Deduct	-1.64	
For Galvanized, Add	5.46	
For Aluminum, Add	6.55	
For 304 Stainless Steel, Add	26.18	
For 316 Stainless Steel, Add	30.00	
05 59 69 00-0067 SF 0.192" Thick Wire, 1/2" Spacing, 3.54 LB/SF Woven And Welded Wire Cloth Panels	21.00	6.29
For Up To 2, Add	5.88	
For >2 To 6, Add	3.36	
For >15 To 40, Deduct	-0.63	
For >40, Deduct	-1.89	
For Galvanized, Add	6.31	
For Aluminum, Add	7.57	
For 304 Stainless Steel, Add	30.29	
For 316 Stainless Steel, Add	34.71	
05 59 69 00-0068 SF 0.207" Thick Wire, 1/2" Spacing, 4.04 LB/SF Woven And Welded Wire Cloth Panels	23.49	6.82
For Up To 2, Add	6.52	
For >2 To 6, Add	3.71	
For >15 To 40, Deduct	-0.72	
For >40, Deduct	-2.16	
For Galvanized, Add	7.20	
For Aluminum, Add	8.64	
For 304 Stainless Steel, Add	34.56	
For 316 Stainless Steel, Add	39.60	
05 59 69 00-0069 SF 0.225" Thick Wire, 1/2" Spacing, 4.68 LB/SF Woven And Welded Wire Cloth Panels	24.40	7.50
For Up To 2, Add	6.88	
For >2 To 6, Add	3.94	
For >15 To 40, Deduct	-0.72	
For >40, Deduct	-2.16	
For Galvanized, Add	7.20	
For Aluminum, Add	8.64	
For 304 Stainless Steel, Add	34.56	
For 316 Stainless Steel, Add	39.60	
05 59 69 00-0070 Expanded Metal Panels (05 59 69)		
Note: Excludes frame and fastening to frame. See CSI section 05 12 23 00-0087 for spot welding.		
05 59 69 00-0071 Plain Flattened Expanded Metal Diamond Shape Panels (05 59 69 00-0070)		
Note: Excludes frame and fastening to frame. See CSI section 05 12 23 00-0087 for spot welding.		
05 59 69 00-0072 SF 1/4" #20-F Plain Expanded Metal Panel, 0.82 LB/SF	7.43	2.46
For Galvanized, Add	2.08	
For Aluminum, Add	2.49	
For 304 Stainless Steel, Add	9.96	
For 316 Stainless Steel, Add	11.41	

05	Metals
05 50	Metal Fabrications
05 59	Metal Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0073 SF 1/4" #18-F Plain Expanded Metal Panel, 1.08 LB/SF	9.45	2.69
For Galvanized, Add	2.93	
For Aluminum, Add	3.52	
For 304 Stainless Steel, Add	14.06	
For 316 Stainless Steel, Add	16.12	
05 59 69 00-0074 SF 1/2" #20-F Plain Expanded Metal Panel, 0.40 LB/SF	5.31	1.90
For Galvanized, Add	1.39	
For Aluminum, Add	1.67	
For 304 Stainless Steel, Add	6.67	
For 316 Stainless Steel, Add	7.65	
05 59 69 00-0075 SF 1/2" #18-F Plain Expanded Metal Panel, 0.66 LB/SF	5.81	2.07
For Galvanized, Add	1.53	
For Aluminum, Add	1.83	
For 304 Stainless Steel, Add	7.32	
For 316 Stainless Steel, Add	8.39	
05 59 69 00-0076 SF 1/2" #16-F Plain Expanded Metal Panel, 0.82 LB/SF	6.54	2.46
For Galvanized, Add	1.63	
For Aluminum, Add	1.96	
For 304 Stainless Steel, Add	7.82	
For 316 Stainless Steel, Add	8.97	
05 59 69 00-0077 SF 1/2" #13-F Plain Expanded Metal Panel, 1.4 LB/SF	8.37	3.17
For Galvanized, Add	2.07	
For Aluminum, Add	2.48	
For 304 Stainless Steel, Add	9.94	
For 316 Stainless Steel, Add	11.39	
05 59 69 00-0078 SF 3/4" #16-F Plain Expanded Metal Panel, 0.51 LB/SF	4.57	1.87
For Galvanized, Add	1.04	
For Aluminum, Add	1.25	
For 304 Stainless Steel, Add	4.99	
For 316 Stainless Steel, Add	5.72	
05 59 69 00-0079 SF 3/4" #14-F Plain Expanded Metal Panel, 0.63 LB/SF	5.15	2.00
For Galvanized, Add	1.24	
For Aluminum, Add	1.49	
For 304 Stainless Steel, Add	5.95	
For 316 Stainless Steel, Add	6.82	
05 59 69 00-0080 SF 3/4" #13-F Plain Expanded Metal Panel, 0.75 LB/SF	5.89	2.24
For Galvanized, Add	1.45	
For Aluminum, Add	1.73	
For 304 Stainless Steel, Add	6.94	
For 316 Stainless Steel, Add	7.95	
05 59 69 00-0081 SF 3/4" #9-F Plain Expanded Metal Panel, 1.71 LB/SF	9.23	3.71
For Galvanized, Add	2.14	
For Aluminum, Add	2.57	
For 304 Stainless Steel, Add	10.27	
For 316 Stainless Steel, Add	11.77	
05 59 69 00-0082 SF 1" #16-F Plain Expanded Metal Panel, 0.41 LB/SF	5.05	2.28
For Galvanized, Add	1.01	
For Aluminum, Add	1.21	
For 304 Stainless Steel, Add	4.82	
For 316 Stainless Steel, Add	5.53	
05 59 69 00-0083 SF 1-1/2" #16-F Plain Expanded Metal Panel, 0.38 LB/SF	4.41	1.80
For Galvanized, Add	1.01	
For Aluminum, Add	1.21	
For 304 Stainless Steel, Add	4.85	
For 316 Stainless Steel, Add	5.56	
05 59 69 00-0084 SF 1-1/2" #13-F Plain Expanded Metal Panel, 0.57 LB/SF	5.08	2.11
For Galvanized, Add	1.14	
For Aluminum, Add	1.37	
For 304 Stainless Steel, Add	5.47	
For 316 Stainless Steel, Add	6.27	
05 59 69 00-0085 SF 1-1/2" #9-F Plain Expanded Metal Panel, 1.14 LB/SF	8.00	2.85
For Galvanized, Add	2.10	
For Aluminum, Add	2.52	
For 304 Stainless Steel, Add	10.08	
For 316 Stainless Steel, Add	11.55	

05 70 Decorative Metal ⁽⁰⁵⁾

Note: Includes anchors and related accessories.

05 71 Decorative Metal Stairs ^(05 70)

05 71 13 Fabricated Metal Spiral Stairs ^(05 71)

Note: Includes factory prime.

05 71 13 00-0001 Spiral Stairs, Stock Units ^(05 71 13)

Note: Includes factory prime.

05 71 13 00-0002 Steel Tread ^(05 71 13 00-0001)

05 71 13 00-0003 VLF 3'-6" Diameter, Spiral Steel Stair With Rails.....	240.01	32.53
For Galvanized, Add	122.47	
05 71 13 00-0004 VLF 4' Diameter, Spiral Steel Stair With Rails.....	272.96	35.78
For Galvanized, Add	140.98	
05 71 13 00-0005 VLF 4'-6" Diameter, Spiral Steel Stair With Rails.....	301.84	39.03
For Galvanized, Add	156.64	



Metals	05	05
Decorative Metal	05 70	
Decorative Metal Stairs	05 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 71 13 00-0006	VLF 5' Diameter, Spiral Steel Stair With Rails..... <i>For Galvanized, Add</i>	323.60 167.32	42.29
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05 73 Decorative Metal Railings (05 70)

Note: Factory primed. Includes brackets.

05 73 00 00-0001 Railings; Vertical Square Bars At 6" (05 73)

Note: Centers with shaped top rails (round, square, rectangular, diamond, triangular or other shape).

05 73 00 00-0002	LF Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High..... <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i> <i>For Galvanized, Add</i>	55.10 6.92 16.67 1.97 1.58 1.05 0.53 9.71 3.68	7.16
05 73 00 00-0003	LF Aluminum Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High..... <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i>	68.74 9.06 19.62 2.18 1.74 1.16 0.58 12.42	9.76
05 73 00 00-0004	LF Bronze Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High..... <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i>	174.65 18.05 63.76 8.80 7.04 4.70 2.35 16.82	16.26
05 73 00 00-0005	LF Stainless Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High..... <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i>	190.68 18.61 72.71 10.34 8.27 5.51 2.76 15.71	13.01
05 73 00 00-0006	LF Black Wrought Iron Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High..... <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i>	132.04 13.24 49.36 6.93 5.54 3.69 1.85 12.42	19.84

05 73 00 00-0007 Laminated Metal Or Wood Handrails With Metal Supports (05 73)

05 73 00 00-0008	LF 2-1/2" Laminated Metal Or Wood Handrail Round/Oval Shape With Metal Supports..... <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i>	88.39 7.15 37.84 5.76 4.61 3.07 1.54 5.39	3.25
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05 73 00 00-0009 Plain Handrails (05 73)

05 73 00 00-0010	LF 2" Brass Handrail.....	30.96	7.73
05 73 00 00-0011	EA 90 Degree Angle For 2" Brass Handrail.....	66.94	25.90
05 73 00 00-0012	EA End Cap For 2" Brass Handrail.....	31.25	12.98
05 73 00 00-0013	EA Brass Bracket And Joint For 2" Brass Handrail.....	51.09	25.90
05 73 00 00-0014	LF 2" Stainless Steel Handrail.....	56.35	14.06

05 73 00 00-0015 Restoration Of Existing Metal Handrail And Railing (05 73)

Note: Task includes rust removal by grinding, cleaning, surface prep and one coat of protective primer. See CSI section 09 91 13 00-0374 for painting.

05 73 00 00-0016	LF Refinish Metal Handrail.....	6.07	
05 73 00 00-0017	LF Refinish Wrought Iron Balustrade.....	6.03	

05 73 00 00-0018 Remove And Reinstall Ornamental Railing (05 73)

05 73 00 00-0019	LF Removal And Reinstallation Of Ornamental Handrail And Pickets.....	59.86	
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05 75 Decorative Formed Metal (05 70)

05 Metals**05 70 Decorative Metal**

05 75 Decorative Formed Metal



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0001			Metal Sheets, Installed On Walls <small>(05 75)</small> Note: Includes field fabrication (bending) where noted.		
05 75 00 00-0002			Copper Sheets, Installed On Walls <small>(05 75 00 00-0001)</small> Note: Includes field fabrication.		
05 75 00 00-0003	SF		0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls	13.63	1.22
			<i>For >16 To 200, Deduct</i>	-0.80	
			<i>For >200 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-2.29	
05 75 00 00-0004	SF		0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls	16.75	1.37
			<i>For >16 To 200, Deduct</i>	-0.97	
			<i>For >200 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.79	
05 75 00 00-0005	SF		0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls	18.30	1.48
			<i>For >16 To 200, Deduct</i>	-1.06	
			<i>For >200 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-3.04	
05 75 00 00-0006	SF		0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls	19.70	1.55
			<i>For >16 To 200, Deduct</i>	-1.14	
			<i>For >200 To 500, Deduct</i>	-2.28	
			<i>For >500, Deduct</i>	-3.27	
05 75 00 00-0007	SF		0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls	22.24	1.62
			<i>For >16 To 200, Deduct</i>	-1.27	
			<i>For >200 To 500, Deduct</i>	-2.55	
			<i>For >500, Deduct</i>	-3.66	
05 75 00 00-0008	SF		0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls	27.63	1.70
			<i>For >16 To 200, Deduct</i>	-1.55	
			<i>For >200 To 500, Deduct</i>	-3.10	
			<i>For >500, Deduct</i>	-4.48	
05 75 00 00-0009	SF		0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls	32.03	1.78
			<i>For >16 To 200, Deduct</i>	-1.78	
			<i>For >200 To 500, Deduct</i>	-3.56	
			<i>For >500, Deduct</i>	-5.16	
05 75 00 00-0010	SF		0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls	38.45	1.92
			<i>For >16 To 200, Deduct</i>	-2.11	
			<i>For >200 To 500, Deduct</i>	-4.23	
			<i>For >500, Deduct</i>	-6.15	
05 75 00 00-0011	SF		0.08" Thick Copper Sheet, Installed On Walls	46.78	2.07
			<i>For >16 To 200, Deduct</i>	-2.55	
			<i>For >200 To 500, Deduct</i>	-5.09	
			<i>For >500, Deduct</i>	-7.43	
05 75 00 00-0012	SF		0.125" Thick Copper Sheet, Installed On Walls	67.43	2.22
			<i>For >16 To 200, Deduct</i>	-3.59	
			<i>For >200 To 500, Deduct</i>	-7.19	
			<i>For >500, Deduct</i>	-10.56	
05 75 00 00-0013			Stainless Steel Sheets, Installed On Walls <small>(05 75 00 00-0001)</small> Note: Includes field fabrication.		
05 75 00 00-0014	SF		0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	13.48	2.18
			<i>For >16 To 200, Deduct</i>	-0.89	
			<i>For >200 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.46	
05 75 00 00-0015	SF		0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	15.00	2.35
			<i>For >16 To 200, Deduct</i>	-0.99	
			<i>For >200 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.72	
05 75 00 00-0016	SF		0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	16.34	2.52
			<i>For >16 To 200, Deduct</i>	-1.07	
			<i>For >200 To 500, Deduct</i>	-2.14	
			<i>For >500, Deduct</i>	-2.95	
05 75 00 00-0017	SF		0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	19.38	2.85
			<i>For >16 To 200, Deduct</i>	-1.25	
			<i>For >200 To 500, Deduct</i>	-2.51	
			<i>For >500, Deduct</i>	-3.48	
05 75 00 00-0018	SF		0.0625" Thick (16 gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	22.38	3.19
			<i>For >16 To 200, Deduct</i>	-1.44	
			<i>For >200 To 500, Deduct</i>	-2.88	
			<i>For >500, Deduct</i>	-4.00	
05 75 00 00-0019	SF		0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	26.51	3.69
			<i>For >16 To 200, Deduct</i>	-1.69	
			<i>For >200 To 500, Deduct</i>	-3.39	
			<i>For >500, Deduct</i>	-4.71	
05 75 00 00-0020	SF		0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	34.56	4.02
			<i>For >16 To 200, Deduct</i>	-2.13	
			<i>For >200 To 500, Deduct</i>	-4.26	
			<i>For >500, Deduct</i>	-5.99	
05 75 00 00-0021	SF		3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	44.34	4.37
			<i>For >16 To 200, Deduct</i>	-2.65	
			<i>For >200 To 500, Deduct</i>	-5.31	
			<i>For >500, Deduct</i>	-7.52	
05 75 00 00-0022	SF		1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	56.74	4.70
			<i>For >16 To 200, Deduct</i>	-3.31	
			<i>For >200 To 500, Deduct</i>	-6.61	
			<i>For >500, Deduct</i>	-9.45	



Metals	05	05
Decorative Metal	05 70	
Decorative Formed Metal	05 75	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0023 SF 3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls.....	88.70	5.03
<i>For >16 To 200, Deduct</i>	-4.94	
<i>For >200 To 500, Deduct</i>	-9.88	
<i>For >500, Deduct</i>	-14.31	
05 75 00 00-0024 SF 1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls.....	112.24	5.87
<i>For >16 To 200, Deduct</i>	-6.20	
<i>For >200 To 500, Deduct</i>	-12.40	
<i>For >500, Deduct</i>	-18.01	
05 75 00 00-0025 Aluminum Sheets, Installed On Walls <small>(05 75 00 00-0001)</small>		
Note: Includes field fabrication.		
05 75 00 00-0026 SF 0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls.....	7.04	1.22
<i>For >16 To 200, Deduct</i>	-0.48	
<i>For >200 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.30	
05 75 00 00-0027 SF 0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls.....	7.95	1.37
<i>For >16 To 200, Deduct</i>	-0.53	
<i>For >200 To 500, Deduct</i>	-1.07	
<i>For >500, Deduct</i>	-1.47	
05 75 00 00-0028 SF 0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls.....	8.82	1.48
<i>For >16 To 200, Deduct</i>	-0.59	
<i>For >200 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.62	
05 75 00 00-0029 SF 0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls.....	9.70	1.55
<i>For >16 To 200, Deduct</i>	-0.64	
<i>For >200 To 500, Deduct</i>	-1.28	
<i>For >500, Deduct</i>	-1.77	
05 75 00 00-0030 SF 0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls.....	10.56	1.62
<i>For >16 To 200, Deduct</i>	-0.69	
<i>For >200 To 500, Deduct</i>	-1.38	
<i>For >500, Deduct</i>	-1.91	
05 75 00 00-0031 SF 0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls.....	11.50	1.70
<i>For >16 To 200, Deduct</i>	-0.75	
<i>For >200 To 500, Deduct</i>	-1.49	
<i>For >500, Deduct</i>	-2.07	
05 75 00 00-0032 SF 0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls.....	12.64	1.78
<i>For >16 To 200, Deduct</i>	-0.81	
<i>For >200 To 500, Deduct</i>	-1.62	
<i>For >500, Deduct</i>	-2.25	
05 75 00 00-0033 SF 0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls.....	15.00	2.07
<i>For >16 To 200, Deduct</i>	-0.96	
<i>For >200 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.66	
05 75 00 00-0034 Galvanized Steel Sheets, Installed On Walls <small>(05 75 00 00-0001)</small>		
Note: Includes field fabrication.		
05 75 00 00-0035 SF 0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	7.78	1.41
<i>For >16 To 200, Deduct</i>	-0.53	
<i>For >200 To 500, Deduct</i>	-1.06	
<i>For >500, Deduct</i>	-1.45	
05 75 00 00-0036 SF 0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	8.30	1.48
<i>For >16 To 200, Deduct</i>	-0.56	
<i>For >200 To 500, Deduct</i>	-1.13	
<i>For >500, Deduct</i>	-1.54	
05 75 00 00-0037 SF 0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	8.65	1.55
<i>For >16 To 200, Deduct</i>	-0.59	
<i>For >200 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.61	
05 75 00 00-0038 SF 0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	9.17	1.62
<i>For >16 To 200, Deduct</i>	-0.62	
<i>For >200 To 500, Deduct</i>	-1.24	
<i>For >500, Deduct</i>	-1.70	
05 75 00 00-0039 SF 0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	9.86	1.70
<i>For >16 To 200, Deduct</i>	-0.66	
<i>For >200 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.82	
05 75 00 00-0040 SF 0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	10.59	1.78
<i>For >16 To 200, Deduct</i>	-0.71	
<i>For >200 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.94	
05 75 00 00-0041 SF 0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	12.09	1.92
<i>For >16 To 200, Deduct</i>	-0.80	
<i>For >200 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-2.20	
05 75 00 00-0042 SF 0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	13.79	2.07
<i>For >16 To 200, Deduct</i>	-0.90	
<i>For >200 To 500, Deduct</i>	-1.79	
<i>For >500, Deduct</i>	-2.48	
05 75 00 00-0043 SF 0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	15.22	2.22
<i>For >16 To 200, Deduct</i>	-0.98	
<i>For >200 To 500, Deduct</i>	-1.97	
<i>For >500, Deduct</i>	-2.73	

05 Metals**05 70 Decorative Metal**

05 75 Decorative Formed Metal



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0044 Galvanized Zinc-Plated Steel Sheets, Installed On Walls <small>(05 75 00 00-0001)</small> Note: Includes field fabrication.		
05 75 00 00-0045 SF 0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	6.26	1.09
For >16 To 200, Deduct	-0.42	
For >200 To 500, Deduct	-0.84	
For >500, Deduct	-1.16	
05 75 00 00-0046 SF 0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	7.23	1.22
For >16 To 200, Deduct	-0.48	
For >200 To 500, Deduct	-0.97	
For >500, Deduct	-1.33	
05 75 00 00-0047 SF 0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	8.18	1.37
For >16 To 200, Deduct	-0.55	
For >200 To 500, Deduct	-1.09	
For >500, Deduct	-1.50	
05 75 00 00-0048 SF 0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	9.02	1.48
For >16 To 200, Deduct	-0.60	
For >200 To 500, Deduct	-1.20	
For >500, Deduct	-1.65	

END OF SECTION 05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 Wood, Plastics, and Composites

06 05 Common Work Results For Wood, Plastics, And Composites

06 05 23 Wood, Plastic, And Composite Fastenings (06 05)

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

06 05 23 00-001 Threaded Anchor Bolts (06 05 23)

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA 1/2" Diameter x 4" Long, Threaded Anchor Bolt.....	7.49	
	For >10 To 50, Deduct	-0.21	
	For >50 To 100, Deduct	-0.50	
	For >100 To 250, Deduct	-1.00	
	For >250 To 500, Deduct	-1.71	
	For >500, Deduct	-2.42	
06 05 23 00-0003	EA 1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt.....	10.27	
	For >10 To 50, Deduct	-0.23	
	For >50 To 100, Deduct	-0.59	
	For >100 To 250, Deduct	-1.19	
	For >250 To 500, Deduct	-2.01	
	For >500, Deduct	-2.83	
06 05 23 00-0004	EA 3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt.....	11.41	
	For >10 To 50, Deduct	-0.23	
	For >50 To 100, Deduct	-0.62	
	For >100 To 250, Deduct	-1.25	
	For >250 To 500, Deduct	-2.09	
	For >500, Deduct	-2.94	
06 05 23 00-0005	EA 3/4" Diameter x 12" Long, Threaded Anchor Bolt.....	23.37	
	For >10 To 50, Deduct	-0.31	
	For >50 To 100, Deduct	-1.05	
	For >100 To 250, Deduct	-2.09	
	For >250 To 500, Deduct	-3.44	
	For >500, Deduct	-4.80	

06 05 23 00-0006 Framing Anchors (06 05 23)

06 05 23 00-0007	EA 10 Gauge Framing Anchor.....	3.93	1.76
	For >10 To 50, Deduct	-0.17	
	For >50 To 100, Deduct	-0.35	
	For >100 To 250, Deduct	-0.70	
	For >250 To 500, Deduct	-1.21	
	For >500, Deduct	-1.73	

06 05 23 00-0008 Holddown Anchors (06 05 23)

06 05 23 00-0009	EA 8-5/8" High x 2-1/2" Wide x 2-1/4" Deep, 12 Gauge, Hold Downs, (Simpson Strong Tie® HD3B).....	26.82	
	For >10 To 50, Deduct	-0.91	
	For >50 To 100, Deduct	-2.03	
	For >100 To 250, Deduct	-4.06	
	For >250 To 500, Deduct	-6.99	
	For >500, Deduct	-9.93	
06 05 23 00-0010	EA 9-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Hold Downs, (Simpson Strong Tie® HD5B).....	39.73	
	For >10 To 50, Deduct	-0.91	
	For >50 To 100, Deduct	-2.35	
	For >100 To 250, Deduct	-4.70	
	For >250 To 500, Deduct	-7.96	
	For >500, Deduct	-11.22	
06 05 23 00-0011	EA 12-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Hold Downs, (Simpson Strong Tie® HD7B).....	45.26	
	For >10 To 50, Deduct	-0.99	
	For >50 To 100, Deduct	-2.62	
	For >100 To 250, Deduct	-5.24	
	For >250 To 500, Deduct	-8.86	
	For >500, Deduct	-12.47	
06 05 23 00-0012	EA 14" High x 2-1/2" Wide x 2-1/2" Deep, 7 Gauge, Hold Downs, (Simpson Strong Tie® HD9B).....	55.98	
	For >10 To 50, Deduct	-1.11	
	For >50 To 100, Deduct	-3.06	
	For >100 To 250, Deduct	-6.13	
	For >250 To 500, Deduct	-10.30	
	For >500, Deduct	-14.48	
06 05 23 00-0013	EA 20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Hold Downs, (Simpson Strong Tie® HD12).....	115.89	
	For >10 To 50, Deduct	-1.40	
	For >50 To 100, Deduct	-5.00	
	For >100 To 250, Deduct	-10.00	
	For >250 To 500, Deduct	-16.40	
	For >500, Deduct	-22.81	
06 05 23 00-0014	EA 24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Hold Downs, (Simpson Strong Tie® HD19).....	134.31	
	For >10 To 50, Deduct	-1.46	
	For >50 To 100, Deduct	-5.55	
	For >100 To 250, Deduct	-11.10	
	For >250 To 500, Deduct	-18.11	
	For >500, Deduct	-25.12	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0015			Joist And Beam Hangers <small>(06 05 23)</small>		
06 05 23 00-0016	EA		18 Gauge Joist Hanger, For 2" x 4" Joist, Also Acceptable For Beam Hangers	3.95	1.63
			<i>For >10 To 50, Deduct</i>	-0.17	
			<i>For >50 To 100, Deduct</i>	-0.35	
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-1.21	
			<i>For >500, Deduct</i>	-1.73	
06 05 23 00-0017	EA		18 Gauge Joist Hanger, For 2" x 6"-2" x 10" Joist, Also Acceptable For Beam Hangers	4.66	1.63
			<i>For >10 To 50, Deduct</i>	-0.18	
			<i>For >50 To 100, Deduct</i>	-0.38	
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.88	
06 05 23 00-0018	EA		16 Gauge Joist Hanger, For 3" x 6"-3" x 9" Joist, Also Acceptable For Beam Hangers	6.37	1.63
			<i>For >10 To 50, Deduct</i>	-0.18	
			<i>For >50 To 100, Deduct</i>	-0.43	
			<i>For >100 To 250, Deduct</i>	-0.87	
			<i>For >250 To 500, Deduct</i>	-1.48	
			<i>For >500, Deduct</i>	-2.10	
06 05 23 00-0019	EA		16 Gauge Joist Hanger, For 3" x 10"-3" x 14" Joist, Also Acceptable For Beam Hangers	6.54	1.63
			<i>For >10 To 50, Deduct</i>	-0.18	
			<i>For >50 To 100, Deduct</i>	-0.44	
			<i>For >100 To 250, Deduct</i>	-0.87	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-2.11	
06 05 23 00-0020	EA		16 Gauge Joist Hanger, For 4" x 6"-4" x 8" Joist, Also Acceptable For Beam Hangers	6.55	1.69
			<i>For >10 To 50, Deduct</i>	-0.19	
			<i>For >50 To 100, Deduct</i>	-0.45	
			<i>For >100 To 250, Deduct</i>	-0.89	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-2.16	
06 05 23 00-0021	EA		16 Gauge Joist Hanger, For 4" x 10"-4" x 14" Joist, Also Acceptable For Beam Hangers	7.02	1.69
			<i>For >10 To 50, Deduct</i>	-0.19	
			<i>For >50 To 100, Deduct</i>	-0.46	
			<i>For >100 To 250, Deduct</i>	-0.92	
			<i>For >250 To 500, Deduct</i>	-1.56	
			<i>For >500, Deduct</i>	-2.21	
06 05 23 00-0022			Post Framing <small>(06 05 23)</small>		
06 05 23 00-0023	EA		16 Gauge Post Framing With 4" x 4" Base	8.93	2.05
			<i>For >10 To 50, Deduct</i>	-0.23	
			<i>For >50 To 100, Deduct</i>	-0.56	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.69	
06 05 23 00-0024	EA		16 Gauge Post Framing With 4" x 4" Cap	7.18	2.05
			<i>For >10 To 50, Deduct</i>	-0.23	
			<i>For >50 To 100, Deduct</i>	-0.52	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.52	
06 05 23 00-0025			Rafter Anchors <small>(06 05 23)</small>		
06 05 23 00-0026	EA		1-1/2" Wide x 5-1/4" Long, 18 Gauge Rafter Anchor	4.34	1.82
			<i>For >10 To 50, Deduct</i>	-0.20	
			<i>For >50 To 100, Deduct</i>	-0.41	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-2.04	
06 05 23 00-0027	EA		1-1/2" Wide x 10-3/4" Long, 18 Gauge Rafter Anchor	4.53	1.82
			<i>For >10 To 50, Deduct</i>	-0.20	
			<i>For >50 To 100, Deduct</i>	-0.41	
			<i>For >100 To 250, Deduct</i>	-0.83	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-2.06	
06 05 23 00-0028	EA		Galvanized Rigid Rafter Connector, For 2" x 6"	5.73	1.82
			<i>For >10 To 50, Deduct</i>	-0.20	
			<i>For >50 To 100, Deduct</i>	-0.44	
			<i>For >100 To 250, Deduct</i>	-0.89	
			<i>For >250 To 500, Deduct</i>	-1.54	
			<i>For >500, Deduct</i>	-2.18	
06 05 23 00-0029			Bolts And Fasteners <small>(06 05 23)</small>		
06 05 23 00-0030			Carriage Bolts <small>(06 05 23 00-0029)</small>		
			Note: Includes drilling of holes in any material. Includes nut and washer.		
06 05 23 00-0031			Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts <small>(06 05 23 00-0030)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0032 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	7.81	
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.76	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-2.67	
<i>For >500, Deduct</i>	-3.82	
06 05 23 00-0033 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	7.90	
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.77	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-2.68	
<i>For >500, Deduct</i>	-3.83	
06 05 23 00-0034 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	7.96	
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.77	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-2.68	
<i>For >500, Deduct</i>	-3.83	
06 05 23 00-0035 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	9.32	
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-0.89	
<i>For >100 To 250, Deduct</i>	-1.78	
<i>For >250 To 500, Deduct</i>	-3.11	
<i>For >500, Deduct</i>	-4.44	
06 05 23 00-0036 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	8.65	
<i>For >10 To 50, Deduct</i>	-0.41	
<i>For >50 To 100, Deduct</i>	-0.83	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.90	
<i>For >500, Deduct</i>	-4.14	
06 05 23 00-0037 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	9.40	
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-0.89	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-3.12	
<i>For >500, Deduct</i>	-4.45	
06 05 23 00-0038 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	9.55	
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-0.90	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-3.13	
<i>For >500, Deduct</i>	-4.46	
06 05 23 00-0039 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	11.41	
<i>For >10 To 50, Deduct</i>	-0.53	
<i>For >50 To 100, Deduct</i>	-1.07	
<i>For >100 To 250, Deduct</i>	-2.15	
<i>For >250 To 500, Deduct</i>	-3.75	
<i>For >500, Deduct</i>	-5.35	
06 05 23 00-0040 EA 3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	12.45	
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.14	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-3.99	
<i>For >500, Deduct</i>	-5.69	
06 05 23 00-0041 EA 3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	14.07	
<i>For >10 To 50, Deduct</i>	-0.61	
<i>For >50 To 100, Deduct</i>	-1.27	
<i>For >100 To 250, Deduct</i>	-2.54	
<i>For >250 To 500, Deduct</i>	-4.43	
<i>For >500, Deduct</i>	-6.31	
06 05 23 00-0042 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	9.73	
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-0.90	
<i>For >100 To 250, Deduct</i>	-1.80	
<i>For >250 To 500, Deduct</i>	-3.14	
<i>For >500, Deduct</i>	-4.48	
06 05 23 00-0043 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	10.70	
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-0.97	
<i>For >100 To 250, Deduct</i>	-1.94	
<i>For >250 To 500, Deduct</i>	-3.37	
<i>For >500, Deduct</i>	-4.81	
06 05 23 00-0044 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	11.41	
<i>For >10 To 50, Deduct</i>	-0.50	
<i>For >50 To 100, Deduct</i>	-1.03	
<i>For >100 To 250, Deduct</i>	-2.06	
<i>For >250 To 500, Deduct</i>	-3.59	
<i>For >500, Deduct</i>	-5.11	
06 05 23 00-0045 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	12.80	
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.15	
<i>For >100 To 250, Deduct</i>	-2.31	
<i>For >250 To 500, Deduct</i>	-4.01	
<i>For >500, Deduct</i>	-5.72	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0046 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	15.08	
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.34	
For >100 To 250, Deduct	-2.68	
For >250 To 500, Deduct	-4.66	
For >500, Deduct	-6.65	
06 05 23 00-0047 EA 1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	16.97	
For >10 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.48	
For >100 To 250, Deduct	-2.95	
For >250 To 500, Deduct	-5.13	
For >500, Deduct	-7.31	
06 05 23 00-0048 EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	13.56	
For >10 To 50, Deduct	-0.53	
For >50 To 100, Deduct	-1.13	
For >100 To 250, Deduct	-2.26	
For >250 To 500, Deduct	-3.91	
For >500, Deduct	-5.56	
06 05 23 00-0049 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	14.76	
For >10 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.20	
For >100 To 250, Deduct	-2.40	
For >250 To 500, Deduct	-4.16	
For >500, Deduct	-5.92	
06 05 23 00-0050 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	17.77	
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.41	
For >100 To 250, Deduct	-2.82	
For >250 To 500, Deduct	-4.87	
For >500, Deduct	-6.92	
06 05 23 00-0051 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	20.17	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.51	
For >100 To 250, Deduct	-3.02	
For >250 To 500, Deduct	-5.21	
For >500, Deduct	-7.39	
06 05 23 00-0052 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.89	
For >10 To 50, Deduct	-0.73	
For >50 To 100, Deduct	-1.64	
For >100 To 250, Deduct	-3.28	
For >250 To 500, Deduct	-5.66	
For >500, Deduct	-8.03	
06 05 23 00-0053 EA 3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	22.27	
For >10 To 50, Deduct	-0.76	
For >50 To 100, Deduct	-1.70	
For >100 To 250, Deduct	-3.39	
For >250 To 500, Deduct	-5.85	
For >500, Deduct	-8.30	
06 05 23 00-0054 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts (06 05 23 00-0030)		
06 05 23 00-0055 EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	7.98	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.77	
For >100 To 250, Deduct	-1.54	
For >250 To 500, Deduct	-2.69	
For >500, Deduct	-3.83	
06 05 23 00-0056 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	8.16	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.77	
For >100 To 250, Deduct	-1.55	
For >250 To 500, Deduct	-2.70	
For >500, Deduct	-3.85	
06 05 23 00-0057 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	8.36	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.78	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-2.71	
For >500, Deduct	-3.87	
06 05 23 00-0058 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	9.98	
For >10 To 50, Deduct	-0.44	
For >50 To 100, Deduct	-0.91	
For >100 To 250, Deduct	-1.81	
For >250 To 500, Deduct	-3.16	
For >500, Deduct	-4.51	
06 05 23 00-0059 EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	8.89	
For >10 To 50, Deduct	-0.41	
For >50 To 100, Deduct	-0.84	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.92	
For >500, Deduct	-4.16	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0060 EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	9.77	
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-0.90	
<i>For >100 To 250, Deduct</i>	-1.80	
<i>For >250 To 500, Deduct</i>	-3.14	
<i>For >500, Deduct</i>	-4.49	
06 05 23 00-0061 EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	9.99	
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-0.91	
<i>For >100 To 250, Deduct</i>	-1.82	
<i>For >250 To 500, Deduct</i>	-3.16	
<i>For >500, Deduct</i>	-4.51	
06 05 23 00-0062 EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	12.08	
<i>For >10 To 50, Deduct</i>	-0.53	
<i>For >50 To 100, Deduct</i>	-1.09	
<i>For >100 To 250, Deduct</i>	-2.18	
<i>For >250 To 500, Deduct</i>	-3.80	
<i>For >500, Deduct</i>	-5.42	
06 05 23 00-0063 EA 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	13.20	
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.16	
<i>For >100 To 250, Deduct</i>	-2.33	
<i>For >250 To 500, Deduct</i>	-4.04	
<i>For >500, Deduct</i>	-5.76	
06 05 23 00-0064 EA 3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	14.77	
<i>For >10 To 50, Deduct</i>	-0.61	
<i>For >50 To 100, Deduct</i>	-1.29	
<i>For >100 To 250, Deduct</i>	-2.58	
<i>For >250 To 500, Deduct</i>	-4.48	
<i>For >500, Deduct</i>	-6.38	
06 05 23 00-0065 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	10.28	
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-0.91	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-3.18	
<i>For >500, Deduct</i>	-4.54	
06 05 23 00-0066 EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	11.14	
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-0.98	
<i>For >100 To 250, Deduct</i>	-1.96	
<i>For >250 To 500, Deduct</i>	-3.41	
<i>For >500, Deduct</i>	-4.85	
06 05 23 00-0067 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	11.93	
<i>For >10 To 50, Deduct</i>	-0.50	
<i>For >50 To 100, Deduct</i>	-1.04	
<i>For >100 To 250, Deduct</i>	-2.09	
<i>For >250 To 500, Deduct</i>	-3.63	
<i>For >500, Deduct</i>	-5.17	
06 05 23 00-0068 EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	13.55	
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.17	
<i>For >100 To 250, Deduct</i>	-2.34	
<i>For >250 To 500, Deduct</i>	-4.07	
<i>For >500, Deduct</i>	-5.80	
06 05 23 00-0069 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	15.82	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.36	
<i>For >100 To 250, Deduct</i>	-2.72	
<i>For >250 To 500, Deduct</i>	-4.72	
<i>For >500, Deduct</i>	-6.72	
06 05 23 00-0070 EA 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	17.54	
<i>For >10 To 50, Deduct</i>	-0.70	
<i>For >50 To 100, Deduct</i>	-1.49	
<i>For >100 To 250, Deduct</i>	-2.98	
<i>For >250 To 500, Deduct</i>	-5.17	
<i>For >500, Deduct</i>	-7.36	
06 05 23 00-0071 EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	15.24	
<i>For >10 To 50, Deduct</i>	-0.53	
<i>For >50 To 100, Deduct</i>	-1.17	
<i>For >100 To 250, Deduct</i>	-2.34	
<i>For >250 To 500, Deduct</i>	-4.04	
<i>For >500, Deduct</i>	-5.73	
06 05 23 00-0072 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	15.93	
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.23	
<i>For >100 To 250, Deduct</i>	-2.46	
<i>For >250 To 500, Deduct</i>	-4.25	
<i>For >500, Deduct</i>	-6.03	
06 05 23 00-0073 EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.60	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.43	
<i>For >100 To 250, Deduct</i>	-2.86	
<i>For >250 To 500, Deduct</i>	-4.93	
<i>For >500, Deduct</i>	-7.00	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0074	EA		3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	20.11	
			<i>For >10 To 50, Deduct</i>	-0.67	
			<i>For >50 To 100, Deduct</i>	-1.51	
			<i>For >100 To 250, Deduct</i>	-3.02	
			<i>For >250 To 500, Deduct</i>	-5.20	
			<i>For >500, Deduct</i>	-7.39	
06 05 23 00-0075	EA		3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.98	
			<i>For >10 To 50, Deduct</i>	-0.73	
			<i>For >50 To 100, Deduct</i>	-1.67	
			<i>For >100 To 250, Deduct</i>	-3.34	
			<i>For >250 To 500, Deduct</i>	-5.74	
			<i>For >500, Deduct</i>	-8.14	
06 05 23 00-0076	EA		3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	24.53	
			<i>For >10 To 50, Deduct</i>	-0.76	
			<i>For >50 To 100, Deduct</i>	-1.75	
			<i>For >100 To 250, Deduct</i>	-3.51	
			<i>For >250 To 500, Deduct</i>	-6.02	
			<i>For >500, Deduct</i>	-8.53	
06 05 23 00-0077			304/18-8 Stainless Steel, Carriage Bolts <small>(06 05 23 00-0030)</small>	8.38	
06 05 23 00-0078	EA		1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	8.38	
			<i>For >10 To 50, Deduct</i>	-0.38	
			<i>For >50 To 100, Deduct</i>	-0.78	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-2.72	
			<i>For >500, Deduct</i>	-3.87	
06 05 23 00-0079	EA		1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	9.25	
			<i>For >10 To 50, Deduct</i>	-0.38	
			<i>For >50 To 100, Deduct</i>	-0.80	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.78	
			<i>For >500, Deduct</i>	-3.96	
06 05 23 00-0080	EA		1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	9.81	
			<i>For >10 To 50, Deduct</i>	-0.38	
			<i>For >50 To 100, Deduct</i>	-0.81	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.82	
			<i>For >500, Deduct</i>	-4.02	
06 05 23 00-0081	EA		1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	17.10	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-1.09	
			<i>For >100 To 250, Deduct</i>	-2.17	
			<i>For >250 To 500, Deduct</i>	-3.69	
			<i>For >500, Deduct</i>	-5.22	
06 05 23 00-0082	EA		3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	9.77	
			<i>For >10 To 50, Deduct</i>	-0.41	
			<i>For >50 To 100, Deduct</i>	-0.86	
			<i>For >100 To 250, Deduct</i>	-1.72	
			<i>For >250 To 500, Deduct</i>	-2.98	
			<i>For >500, Deduct</i>	-4.25	
06 05 23 00-0083	EA		3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	11.62	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.95	
			<i>For >100 To 250, Deduct</i>	-1.90	
			<i>For >250 To 500, Deduct</i>	-3.28	
			<i>For >500, Deduct</i>	-4.67	
06 05 23 00-0084	EA		3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	11.89	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.96	
			<i>For >100 To 250, Deduct</i>	-1.91	
			<i>For >250 To 500, Deduct</i>	-3.30	
			<i>For >500, Deduct</i>	-4.70	
06 05 23 00-0085	EA		3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	22.68	
			<i>For >10 To 50, Deduct</i>	-0.53	
			<i>For >50 To 100, Deduct</i>	-1.36	
			<i>For >100 To 250, Deduct</i>	-2.71	
			<i>For >250 To 500, Deduct</i>	-4.59	
			<i>For >500, Deduct</i>	-6.48	
06 05 23 00-0086	EA		3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	27.77	
			<i>For >10 To 50, Deduct</i>	-0.56	
			<i>For >50 To 100, Deduct</i>	-1.53	
			<i>For >100 To 250, Deduct</i>	-3.05	
			<i>For >250 To 500, Deduct</i>	-5.14	
			<i>For >500, Deduct</i>	-7.22	
06 05 23 00-0087	EA		3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	31.13	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.70	
			<i>For >100 To 250, Deduct</i>	-3.40	
			<i>For >250 To 500, Deduct</i>	-5.71	
			<i>For >500, Deduct</i>	-8.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0088 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	12.63	
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-0.97	
<i>For >100 To 250, Deduct</i>	-1.95	
<i>For >250 To 500, Deduct</i>	-3.36	
<i>For >500, Deduct</i>	-4.77	
06 05 23 00-0089 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	14.42	
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-1.06	
<i>For >100 To 250, Deduct</i>	-2.12	
<i>For >250 To 500, Deduct</i>	-3.65	
<i>For >500, Deduct</i>	-5.18	
06 05 23 00-0090 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	17.63	
<i>For >10 To 50, Deduct</i>	-0.50	
<i>For >50 To 100, Deduct</i>	-1.19	
<i>For >100 To 250, Deduct</i>	-2.37	
<i>For >250 To 500, Deduct</i>	-4.05	
<i>For >500, Deduct</i>	-5.74	
06 05 23 00-0091 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	28.57	
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.55	
<i>For >100 To 250, Deduct</i>	-3.09	
<i>For >250 To 500, Deduct</i>	-5.20	
<i>For >500, Deduct</i>	-7.30	
06 05 23 00-0092 EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	32.23	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.77	
<i>For >100 To 250, Deduct</i>	-3.54	
<i>For >250 To 500, Deduct</i>	-5.95	
<i>For >500, Deduct</i>	-8.36	
06 05 23 00-0093 EA 1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	51.31	
<i>For >10 To 50, Deduct</i>	-0.70	
<i>For >50 To 100, Deduct</i>	-2.33	
<i>For >100 To 250, Deduct</i>	-4.67	
<i>For >250 To 500, Deduct</i>	-7.70	
<i>For >500, Deduct</i>	-10.74	
06 05 23 00-0094 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	39.83	
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.83	
<i>For >100 To 250, Deduct</i>	-3.66	
<i>For >250 To 500, Deduct</i>	-6.04	
<i>For >500, Deduct</i>	-8.42	
06 05 23 00-0095 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	56.72	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-2.38	
<i>For >100 To 250, Deduct</i>	-4.76	
<i>For >250 To 500, Deduct</i>	-7.79	
<i>For >500, Deduct</i>	-10.81	
06 05 23 00-0096 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	62.95	
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-2.58	
<i>For >100 To 250, Deduct</i>	-5.16	
<i>For >250 To 500, Deduct</i>	-8.42	
<i>For >500, Deduct</i>	-11.67	
06 05 23 00-0097 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	93.51	
<i>For >10 To 50, Deduct</i>	-0.73	
<i>For >50 To 100, Deduct</i>	-3.43	
<i>For >100 To 250, Deduct</i>	-6.87	
<i>For >250 To 500, Deduct</i>	-11.03	
<i>For >500, Deduct</i>	-15.19	
06 05 23 00-0098 EA 3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	98.38	
<i>For >10 To 50, Deduct</i>	-0.76	
<i>For >50 To 100, Deduct</i>	-3.60	
<i>For >100 To 250, Deduct</i>	-7.20	
<i>For >250 To 500, Deduct</i>	-11.56	
<i>For >500, Deduct</i>	-15.91	
06 05 23 00-0099 316 Stainless Steel, Carriage Bolts <small>(06 05 23 00-0030)</small>	12.38	
06 05 23 00-0100 EA 1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	12.38	
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.88	
<i>For >100 To 250, Deduct</i>	-1.76	
<i>For >250 To 500, Deduct</i>	-3.02	
<i>For >500, Deduct</i>	-4.27	
06 05 23 00-0101 EA 1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	13.90	
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.92	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-3.13	
<i>For >500, Deduct</i>	-4.43	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0102	EA		3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	15.01	
			<i>For >10 To 50, Deduct</i>	-0.41	
			<i>For >50 To 100, Deduct</i>	-0.99	
			<i>For >100 To 250, Deduct</i>	-1.98	
			<i>For >250 To 500, Deduct</i>	-3.38	
			<i>For >500, Deduct</i>	-4.77	
06 05 23 00-0103	EA		3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	17.71	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-1.10	
			<i>For >100 To 250, Deduct</i>	-2.20	
			<i>For >250 To 500, Deduct</i>	-3.74	
			<i>For >500, Deduct</i>	-5.28	
06 05 23 00-0104	EA		1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	24.48	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-1.27	
			<i>For >100 To 250, Deduct</i>	-2.54	
			<i>For >250 To 500, Deduct</i>	-4.25	
			<i>For >500, Deduct</i>	-5.96	
06 05 23 00-0105	EA		1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	26.70	
			<i>For >10 To 50, Deduct</i>	-0.47	
			<i>For >50 To 100, Deduct</i>	-1.37	
			<i>For >100 To 250, Deduct</i>	-2.74	
			<i>For >250 To 500, Deduct</i>	-4.57	
			<i>For >500, Deduct</i>	-6.41	
06 05 23 00-0106	EA		1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt.....	28.79	
			<i>For >10 To 50, Deduct</i>	-0.50	
			<i>For >50 To 100, Deduct</i>	-1.46	
			<i>For >100 To 250, Deduct</i>	-2.93	
			<i>For >250 To 500, Deduct</i>	-4.89	
			<i>For >500, Deduct</i>	-6.85	
06 05 23 00-0107			Hex Lag Bolts <small>(06 05 23 00-0029)</small>		
			Note: Includes drilling of holes in any material.		
06 05 23 00-0108			Zinc Plated Steel, Hex Lag Bolts <small>(06 05 23 00-0107)</small>		
06 05 23 00-0109	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	7.43	
			<i>For >10 To 50, Deduct</i>	-0.37	
			<i>For >50 To 100, Deduct</i>	-0.73	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-2.56	
			<i>For >500, Deduct</i>	-3.66	
06 05 23 00-0110	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	7.52	
			<i>For >10 To 50, Deduct</i>	-0.37	
			<i>For >50 To 100, Deduct</i>	-0.74	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-2.57	
			<i>For >500, Deduct</i>	-3.67	
06 05 23 00-0111	EA		1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	7.68	
			<i>For >10 To 50, Deduct</i>	-0.37	
			<i>For >50 To 100, Deduct</i>	-0.74	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-2.58	
			<i>For >500, Deduct</i>	-3.69	
06 05 23 00-0112	EA		3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	8.21	
			<i>For >10 To 50, Deduct</i>	-0.40	
			<i>For >50 To 100, Deduct</i>	-0.80	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.80	
			<i>For >500, Deduct</i>	-4.01	
06 05 23 00-0113	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	8.93	
			<i>For >10 To 50, Deduct</i>	-0.43	
			<i>For >50 To 100, Deduct</i>	-0.86	
			<i>For >100 To 250, Deduct</i>	-1.72	
			<i>For >250 To 500, Deduct</i>	-3.01	
			<i>For >500, Deduct</i>	-4.30	
06 05 23 00-0114	EA		3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	9.12	
			<i>For >10 To 50, Deduct</i>	-0.43	
			<i>For >50 To 100, Deduct</i>	-0.87	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-3.03	
			<i>For >500, Deduct</i>	-4.32	
06 05 23 00-0115	EA		3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	11.21	
			<i>For >10 To 50, Deduct</i>	-0.51	
			<i>For >50 To 100, Deduct</i>	-1.05	
			<i>For >100 To 250, Deduct</i>	-2.10	
			<i>For >250 To 500, Deduct</i>	-3.65	
			<i>For >500, Deduct</i>	-5.21	
06 05 23 00-0116	EA		3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	11.89	
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.11	
			<i>For >100 To 250, Deduct</i>	-2.21	
			<i>For >250 To 500, Deduct</i>	-3.86	
			<i>For >500, Deduct</i>	-5.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0117 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	9.12	
<i>For >10 To 50, Deduct</i>	-0.43	
<i>For >50 To 100, Deduct</i>	-0.87	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-3.05	
<i>For >500, Deduct</i>	-4.35	
06 05 23 00-0118 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	9.97	
<i>For >10 To 50, Deduct</i>	-0.46	
<i>For >50 To 100, Deduct</i>	-0.94	
<i>For >100 To 250, Deduct</i>	-1.87	
<i>For >250 To 500, Deduct</i>	-3.27	
<i>For >500, Deduct</i>	-4.67	
06 05 23 00-0119 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	10.88	
<i>For >10 To 50, Deduct</i>	-0.49	
<i>For >50 To 100, Deduct</i>	-1.00	
<i>For >100 To 250, Deduct</i>	-2.00	
<i>For >250 To 500, Deduct</i>	-3.49	
<i>For >500, Deduct</i>	-4.98	
06 05 23 00-0120 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	12.42	
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.13	
<i>For >100 To 250, Deduct</i>	-2.25	
<i>For >250 To 500, Deduct</i>	-3.92	
<i>For >500, Deduct</i>	-5.59	
06 05 23 00-0121 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	14.68	
<i>For >10 To 50, Deduct</i>	-0.63	
<i>For >50 To 100, Deduct</i>	-1.31	
<i>For >100 To 250, Deduct</i>	-2.62	
<i>For >250 To 500, Deduct</i>	-4.57	
<i>For >500, Deduct</i>	-6.51	
06 05 23 00-0122 EA 1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	16.02	
<i>For >10 To 50, Deduct</i>	-0.69	
<i>For >50 To 100, Deduct</i>	-1.43	
<i>For >100 To 250, Deduct</i>	-2.86	
<i>For >250 To 500, Deduct</i>	-4.98	
<i>For >500, Deduct</i>	-7.10	
06 05 23 00-0123 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	13.55	
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.15	
<i>For >100 To 250, Deduct</i>	-2.31	
<i>For >250 To 500, Deduct</i>	-4.01	
<i>For >500, Deduct</i>	-5.71	
06 05 23 00-0124 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	16.24	
<i>For >10 To 50, Deduct</i>	-0.63	
<i>For >50 To 100, Deduct</i>	-1.35	
<i>For >100 To 250, Deduct</i>	-2.70	
<i>For >250 To 500, Deduct</i>	-4.68	
<i>For >500, Deduct</i>	-6.66	
06 05 23 00-0125 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	18.09	
<i>For >10 To 50, Deduct</i>	-0.66	
<i>For >50 To 100, Deduct</i>	-1.44	
<i>For >100 To 250, Deduct</i>	-2.88	
<i>For >250 To 500, Deduct</i>	-4.98	
<i>For >500, Deduct</i>	-7.08	
06 05 23 00-0126 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	20.41	
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-1.58	
<i>For >100 To 250, Deduct</i>	-3.17	
<i>For >250 To 500, Deduct</i>	-5.47	
<i>For >500, Deduct</i>	-7.77	
06 05 23 00-0127 EA 3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	23.04	
<i>For >10 To 50, Deduct</i>	-0.74	
<i>For >50 To 100, Deduct</i>	-1.69	
<i>For >100 To 250, Deduct</i>	-3.39	
<i>For >250 To 500, Deduct</i>	-5.82	
<i>For >500, Deduct</i>	-8.26	
06 05 23 00-0128 Hot Dipped Galvanized Steel, Hex Lag Bolts <small>(06 05 23 00-0107)</small>		
06 05 23 00-0129 EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	7.47	
<i>For >10 To 50, Deduct</i>	-0.37	
<i>For >50 To 100, Deduct</i>	-0.73	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-2.57	
<i>For >500, Deduct</i>	-3.67	
06 05 23 00-0130 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	7.60	
<i>For >10 To 50, Deduct</i>	-0.37	
<i>For >50 To 100, Deduct</i>	-0.74	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.68	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0131	EA		1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	7.73	
			<i>For >10 To 50, Deduct</i>	-0.37	
			<i>For >50 To 100, Deduct</i>	-0.74	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-2.59	
			<i>For >500, Deduct</i>	-3.69	
06 05 23 00-0132	EA		3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	8.28	
			<i>For >10 To 50, Deduct</i>	-0.40	
			<i>For >50 To 100, Deduct</i>	-0.80	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.81	
			<i>For >500, Deduct</i>	-4.01	
06 05 23 00-0133	EA		3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	9.04	
			<i>For >10 To 50, Deduct</i>	-0.43	
			<i>For >50 To 100, Deduct</i>	-0.87	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-3.02	
			<i>For >500, Deduct</i>	-4.31	
06 05 23 00-0134	EA		3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	9.25	
			<i>For >10 To 50, Deduct</i>	-0.43	
			<i>For >50 To 100, Deduct</i>	-0.87	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-3.04	
			<i>For >500, Deduct</i>	-4.33	
06 05 23 00-0135	EA		3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	11.46	
			<i>For >10 To 50, Deduct</i>	-0.51	
			<i>For >50 To 100, Deduct</i>	-1.05	
			<i>For >100 To 250, Deduct</i>	-2.11	
			<i>For >250 To 500, Deduct</i>	-3.67	
			<i>For >500, Deduct</i>	-5.24	
06 05 23 00-0136	EA		3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	12.31	
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.12	
			<i>For >100 To 250, Deduct</i>	-2.24	
			<i>For >250 To 500, Deduct</i>	-3.89	
			<i>For >500, Deduct</i>	-5.55	
06 05 23 00-0137	EA		1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	9.31	
			<i>For >10 To 50, Deduct</i>	-0.43	
			<i>For >50 To 100, Deduct</i>	-0.88	
			<i>For >100 To 250, Deduct</i>	-1.75	
			<i>For >250 To 500, Deduct</i>	-3.06	
			<i>For >500, Deduct</i>	-4.37	
06 05 23 00-0138	EA		1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	10.08	
			<i>For >10 To 50, Deduct</i>	-0.46	
			<i>For >50 To 100, Deduct</i>	-0.94	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-3.28	
			<i>For >500, Deduct</i>	-4.68	
06 05 23 00-0139	EA		1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	11.07	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.01	
			<i>For >100 To 250, Deduct</i>	-2.01	
			<i>For >250 To 500, Deduct</i>	-3.51	
			<i>For >500, Deduct</i>	-5.00	
06 05 23 00-0140	EA		1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	13.00	
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.14	
			<i>For >100 To 250, Deduct</i>	-2.28	
			<i>For >250 To 500, Deduct</i>	-3.97	
			<i>For >500, Deduct</i>	-5.65	
06 05 23 00-0141	EA		1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	14.96	
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.32	
			<i>For >100 To 250, Deduct</i>	-2.64	
			<i>For >250 To 500, Deduct</i>	-4.59	
			<i>For >500, Deduct</i>	-6.54	
06 05 23 00-0142	EA		1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	16.71	
			<i>For >10 To 50, Deduct</i>	-0.69	
			<i>For >50 To 100, Deduct</i>	-1.45	
			<i>For >100 To 250, Deduct</i>	-2.90	
			<i>For >250 To 500, Deduct</i>	-5.03	
			<i>For >500, Deduct</i>	-7.17	
06 05 23 00-0143	EA		3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	13.97	
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.17	
			<i>For >100 To 250, Deduct</i>	-2.33	
			<i>For >250 To 500, Deduct</i>	-4.04	
			<i>For >500, Deduct</i>	-5.75	
06 05 23 00-0144	EA		3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	16.62	
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.36	
			<i>For >100 To 250, Deduct</i>	-2.72	
			<i>For >250 To 500, Deduct</i>	-4.71	
			<i>For >500, Deduct</i>	-6.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0145 EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	18.73	
<i>For >10 To 50, Deduct</i>	-0.66	
<i>For >50 To 100, Deduct</i>	-1.46	
<i>For >100 To 250, Deduct</i>	-2.91	
<i>For >250 To 500, Deduct</i>	-5.03	
<i>For >500, Deduct</i>	-7.14	
06 05 23 00-0146 EA 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	21.92	
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-1.62	
<i>For >100 To 250, Deduct</i>	-3.24	
<i>For >250 To 500, Deduct</i>	-5.58	
<i>For >500, Deduct</i>	-7.92	
06 05 23 00-0147 EA 3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	24.65	
<i>For >10 To 50, Deduct</i>	-0.74	
<i>For >50 To 100, Deduct</i>	-1.73	
<i>For >100 To 250, Deduct</i>	-3.47	
<i>For >250 To 500, Deduct</i>	-5.94	
<i>For >500, Deduct</i>	-8.42	
06 05 23 00-0148 304/18-8 Stainless Steel, Hex Lag Bolts <small>(06 05 23 00-0107)</small>		
06 05 23 00-0149 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	7.84	
<i>For >10 To 50, Deduct</i>	-0.37	
<i>For >50 To 100, Deduct</i>	-0.74	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-2.60	
<i>For >500, Deduct</i>	-3.70	
06 05 23 00-0150 EA 1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	8.25	
<i>For >10 To 50, Deduct</i>	-0.37	
<i>For >50 To 100, Deduct</i>	-0.75	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-2.63	
<i>For >500, Deduct</i>	-3.75	
06 05 23 00-0151 EA 1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	9.36	
<i>For >10 To 50, Deduct</i>	-0.37	
<i>For >50 To 100, Deduct</i>	-0.78	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-2.71	
<i>For >500, Deduct</i>	-3.86	
06 05 23 00-0152 EA 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	9.35	
<i>For >10 To 50, Deduct</i>	-0.40	
<i>For >50 To 100, Deduct</i>	-0.83	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.89	
<i>For >500, Deduct</i>	-4.12	
06 05 23 00-0153 EA 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	10.53	
<i>For >10 To 50, Deduct</i>	-0.43	
<i>For >50 To 100, Deduct</i>	-0.90	
<i>For >100 To 250, Deduct</i>	-1.80	
<i>For >250 To 500, Deduct</i>	-3.13	
<i>For >500, Deduct</i>	-4.46	
06 05 23 00-0154 EA 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	11.23	
<i>For >10 To 50, Deduct</i>	-0.43	
<i>For >50 To 100, Deduct</i>	-0.92	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-3.19	
<i>For >500, Deduct</i>	-4.53	
06 05 23 00-0155 EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	22.77	
<i>For >10 To 50, Deduct</i>	-0.51	
<i>For >50 To 100, Deduct</i>	-1.34	
<i>For >100 To 250, Deduct</i>	-2.67	
<i>For >250 To 500, Deduct</i>	-4.52	
<i>For >500, Deduct</i>	-6.37	
06 05 23 00-0156 EA 3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	31.93	
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.61	
<i>For >100 To 250, Deduct</i>	-3.22	
<i>For >250 To 500, Deduct</i>	-5.36	
<i>For >500, Deduct</i>	-7.51	
06 05 23 00-0157 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	11.33	
<i>For >10 To 50, Deduct</i>	-0.43	
<i>For >50 To 100, Deduct</i>	-0.93	
<i>For >100 To 250, Deduct</i>	-1.86	
<i>For >250 To 500, Deduct</i>	-3.21	
<i>For >500, Deduct</i>	-4.57	
06 05 23 00-0158 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	13.38	
<i>For >10 To 50, Deduct</i>	-0.46	
<i>For >50 To 100, Deduct</i>	-1.02	
<i>For >100 To 250, Deduct</i>	-2.04	
<i>For >250 To 500, Deduct</i>	-3.53	
<i>For >500, Deduct</i>	-5.01	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0159 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	16.48	
For >10 To 50, Deduct	-0.49	
For >50 To 100, Deduct	-1.14	
For >100 To 250, Deduct	-2.28	
For >250 To 500, Deduct	-3.91	
For >500, Deduct	-5.54	
06 05 23 00-0160 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	34.01	
For >10 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.67	
For >100 To 250, Deduct	-3.33	
For >250 To 500, Deduct	-5.54	
For >500, Deduct	-7.75	
06 05 23 00-0161 EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	46.25	
For >10 To 50, Deduct	-0.63	
For >50 To 100, Deduct	-2.10	
For >100 To 250, Deduct	-4.20	
For >250 To 500, Deduct	-6.93	
For >500, Deduct	-9.67	
06 05 23 00-0162 EA 1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	54.02	
For >10 To 50, Deduct	-0.69	
For >50 To 100, Deduct	-2.38	
For >100 To 250, Deduct	-4.76	
For >250 To 500, Deduct	-7.83	
For >500, Deduct	-10.90	
06 05 23 00-0163 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	50.08	
For >10 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-2.07	
For >100 To 250, Deduct	-4.14	
For >250 To 500, Deduct	-6.75	
For >500, Deduct	-9.36	
06 05 23 00-0164 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	57.25	
For >10 To 50, Deduct	-0.63	
For >50 To 100, Deduct	-2.38	
For >100 To 250, Deduct	-4.75	
For >250 To 500, Deduct	-7.76	
For >500, Deduct	-10.77	
06 05 23 00-0165 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	59.57	
For >10 To 50, Deduct	-0.66	
For >50 To 100, Deduct	-2.48	
For >100 To 250, Deduct	-4.95	
For >250 To 500, Deduct	-8.09	
For >500, Deduct	-11.23	
06 05 23 00-0166 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	82.48	
For >10 To 50, Deduct	-0.72	
For >50 To 100, Deduct	-3.14	
For >100 To 250, Deduct	-6.27	
For >250 To 500, Deduct	-10.12	
For >500, Deduct	-13.98	
06 05 23 00-0167 EA 3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	89.98	
For >10 To 50, Deduct	-0.74	
For >50 To 100, Deduct	-3.37	
For >100 To 250, Deduct	-6.73	
For >250 To 500, Deduct	-10.84	
For >500, Deduct	-14.95	
06 05 23 00-0168 Supports (06 05 23)		
06 05 23 00-0169 Shear Plates (06 05 23 00-0168)		
06 05 23 00-0170 EA 2-5/8" Diameter, Shear Plate.....	6.88	2.16
For >10 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.54	
For >100 To 250, Deduct	-1.07	
For >250 To 500, Deduct	-1.86	
For >500, Deduct	-2.64	
06 05 23 00-0171 EA 4" Diameter, Shear Plate.....	9.73	2.28
For >10 To 50, Deduct	-0.25	
For >50 To 100, Deduct	-0.62	
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-2.13	
For >500, Deduct	-3.01	
06 05 23 00-0172 Sill Anchors (06 05 23 00-0168)		
06 05 23 00-0173 EA Sill Anchor Embedded In Concrete.....	5.63	2.28
For >10 To 50, Deduct	-0.25	
For >50 To 100, Deduct	-0.52	
For >100 To 250, Deduct	-1.04	
For >250 To 500, Deduct	-1.82	
For >500, Deduct	-2.60	
06 05 23 00-0174 Spike Grids (06 05 23 00-0168)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0175 EA 4" x 4" Flat Or Curved Spike Grid	5.59	2.16
<i>For >10 To 50, Deduct</i>	-0.24	
<i>For >50 To 100, Deduct</i>	-0.51	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.51	
06 05 23 00-0176 Split Rings <small>(06 05 23 00-0168)</small>		
06 05 23 00-0177 EA 2-1/2" Diameter Split Ring	6.03	2.16
<i>For >10 To 50, Deduct</i>	-0.24	
<i>For >50 To 100, Deduct</i>	-0.52	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.79	
<i>For >500, Deduct</i>	-2.55	
06 05 23 00-0178 EA 4" Diameter Split Ring.....	7.26	2.39
<i>For >10 To 50, Deduct</i>	-0.27	
<i>For >50 To 100, Deduct</i>	-0.58	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-2.01	
<i>For >500, Deduct</i>	-2.85	
06 05 23 00-0179 Toothed Rings <small>(06 05 23 00-0168)</small>		
06 05 23 00-0180 EA 2-5/8" Or 4" Toothed Ring.....	7.72	2.16
<i>For >10 To 50, Deduct</i>	-0.24	
<i>For >50 To 100, Deduct</i>	-0.56	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.72	
06 05 23 00-0181 Straps And Shields <small>(06 05 23)</small>		
06 05 23 00-0182 Shield Plate <small>(06 05 23 00-0181)</small>		
06 05 23 00-0183 EA 5" Wide x 8" Long, 16 Gauge, Shield Plate (Simpson Strong Tie® PSPN58Z)	4.56	
<i>For >10 To 50, Deduct</i>	-0.04	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.30	
<i>For >250 To 500, Deduct</i>	-0.52	
<i>For >500, Deduct</i>	-0.79	
06 05 23 00-0184 EA 5" Wide x 16" Long, 16 Gauge, Shield Plate (Simpson Strong Tie® PSPN516Z)	7.00	
<i>For >10 To 50, Deduct</i>	-0.04	
<i>For >50 To 100, Deduct</i>	-0.22	
<i>For >100 To 250, Deduct</i>	-0.44	
<i>For >250 To 500, Deduct</i>	-0.75	
<i>For >500, Deduct</i>	-1.10	
06 05 23 00-0185 Strap Ties <small>(06 05 23 00-0181)</small>		
06 05 23 00-0186 EA 1-1/4" Wide x 9" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA9).....	1.69	
<i>For >10 To 50, Deduct</i>	-0.03	
<i>For >50 To 100, Deduct</i>	-0.07	
<i>For >100 To 250, Deduct</i>	-0.14	
<i>For >250 To 500, Deduct</i>	-0.27	
<i>For >500, Deduct</i>	-0.44	
06 05 23 00-0187 EA 1-1/4" Wide x 12" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA12).....	1.74	
<i>For >10 To 50, Deduct</i>	-0.03	
<i>For >50 To 100, Deduct</i>	-0.07	
<i>For >100 To 250, Deduct</i>	-0.15	
<i>For >250 To 500, Deduct</i>	-0.28	
<i>For >500, Deduct</i>	-0.44	
06 05 23 00-0188 EA 1-1/4" Wide x 15" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA15).....	2.31	
<i>For >10 To 50, Deduct</i>	-0.04	
<i>For >50 To 100, Deduct</i>	-0.09	
<i>For >100 To 250, Deduct</i>	-0.19	
<i>For >250 To 500, Deduct</i>	-0.36	
<i>For >500, Deduct</i>	-0.57	
06 05 23 00-0189 EA 1-1/4" Wide x 18" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA18).....	2.46	
<i>For >10 To 50, Deduct</i>	-0.04	
<i>For >50 To 100, Deduct</i>	-0.10	
<i>For >100 To 250, Deduct</i>	-0.20	
<i>For >250 To 500, Deduct</i>	-0.37	
<i>For >500, Deduct</i>	-0.58	
06 05 23 00-0190 EA 1-1/4" Wide x 21" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA21).....	2.58	
<i>For >10 To 50, Deduct</i>	-0.04	
<i>For >50 To 100, Deduct</i>	-0.10	
<i>For >100 To 250, Deduct</i>	-0.20	
<i>For >250 To 500, Deduct</i>	-0.38	
<i>For >500, Deduct</i>	-0.59	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0191	EA		1-1/4" Wide x 24" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA24).....	3.01	
			<i>For >10 To 50, Deduct</i>	-0.04	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.45	
			<i>For >500, Deduct</i>	-0.71	
06 05 23 00-0192	EA		1-1/4" Wide x 30" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA30).....	3.36	
			<i>For >10 To 50, Deduct</i>	-0.04	
			<i>For >50 To 100, Deduct</i>	-0.13	
			<i>For >100 To 250, Deduct</i>	-0.26	
			<i>For >250 To 500, Deduct</i>	-0.47	
			<i>For >500, Deduct</i>	-0.74	
06 05 23 00-0193	EA		1-1/4" Wide x 36" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA36).....	4.00	
			<i>For >10 To 50, Deduct</i>	-0.05	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.56	
			<i>For >500, Deduct</i>	-0.87	
06 05 23 00-0194	EA		1-1/4" Wide x 9" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA9).....	1.74	
			<i>For >10 To 50, Deduct</i>	-0.03	
			<i>For >50 To 100, Deduct</i>	-0.07	
			<i>For >100 To 250, Deduct</i>	-0.15	
			<i>For >250 To 500, Deduct</i>	-0.28	
			<i>For >500, Deduct</i>	-0.44	
06 05 23 00-0195	EA		1-1/4" Wide x 12" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA12).....	1.90	
			<i>For >10 To 50, Deduct</i>	-0.03	
			<i>For >50 To 100, Deduct</i>	-0.08	
			<i>For >100 To 250, Deduct</i>	-0.15	
			<i>For >250 To 500, Deduct</i>	-0.29	
			<i>For >500, Deduct</i>	-0.46	
06 05 23 00-0196	EA		1-1/4" Wide x 15" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA15).....	2.42	
			<i>For >10 To 50, Deduct</i>	-0.04	
			<i>For >50 To 100, Deduct</i>	-0.10	
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.36	
			<i>For >500, Deduct</i>	-0.58	
06 05 23 00-0197	EA		1-1/4" Wide x 18" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA18).....	2.61	
			<i>For >10 To 50, Deduct</i>	-0.04	
			<i>For >50 To 100, Deduct</i>	-0.10	
			<i>For >100 To 250, Deduct</i>	-0.20	
			<i>For >250 To 500, Deduct</i>	-0.38	
			<i>For >500, Deduct</i>	-0.60	
06 05 23 00-0198	EA		1-1/4" Wide x 21" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA21).....	2.79	
			<i>For >10 To 50, Deduct</i>	-0.04	
			<i>For >50 To 100, Deduct</i>	-0.11	
			<i>For >100 To 250, Deduct</i>	-0.21	
			<i>For >250 To 500, Deduct</i>	-0.39	
			<i>For >500, Deduct</i>	-0.61	
06 05 23 00-0199	EA		1-1/4" Wide x 24" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA24).....	3.28	
			<i>For >10 To 50, Deduct</i>	-0.04	
			<i>For >50 To 100, Deduct</i>	-0.13	
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.47	
			<i>For >500, Deduct</i>	-0.73	
06 05 23 00-0200	EA		1-1/4" Wide x 30" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA30).....	3.56	
			<i>For >10 To 50, Deduct</i>	-0.04	
			<i>For >50 To 100, Deduct</i>	-0.13	
			<i>For >100 To 250, Deduct</i>	-0.27	
			<i>For >250 To 500, Deduct</i>	-0.49	
			<i>For >500, Deduct</i>	-0.76	
06 05 23 00-0201	EA		1-1/4" Wide x 36" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA36).....	4.33	
			<i>For >10 To 50, Deduct</i>	-0.05	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.58	
			<i>For >500, Deduct</i>	-0.90	
06 05 23 00-0202	EA		1-1/4" Wide x 36" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA49).....	5.68	
			<i>For >10 To 50, Deduct</i>	-0.06	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.40	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-1.11	
06 05 23 00-0203	EA		1-1/4" Wide x 9" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST9).....	1.96	
			<i>For >10 To 50, Deduct</i>	-0.03	
			<i>For >50 To 100, Deduct</i>	-0.08	
			<i>For >100 To 250, Deduct</i>	-0.16	
			<i>For >250 To 500, Deduct</i>	-0.29	
			<i>For >500, Deduct</i>	-0.47	
06 05 23 00-0204	EA		1-1/4" Wide x 12" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST12).....	2.16	
			<i>For >10 To 50, Deduct</i>	-0.03	
			<i>For >50 To 100, Deduct</i>	-0.08	
			<i>For >100 To 250, Deduct</i>	-0.17	
			<i>For >250 To 500, Deduct</i>	-0.31	
			<i>For >500, Deduct</i>	-0.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0205 EA 1-1/4" Wide x 18" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST18).....	2.94	
<i>For >10 To 50, Deduct</i>	-0.04	
<i>For >50 To 100, Deduct</i>	-0.11	
<i>For >100 To 250, Deduct</i>	-0.22	
<i>For >250 To 500, Deduct</i>	-0.40	
<i>For >500, Deduct</i>	-0.63	
06 05 23 00-0206 EA 1-1/4" Wide x 22" Long, 16 Gauge, Strap Tie® (Simpson Strong Tie ST22).....	3.85	
<i>For >10 To 50, Deduct</i>	-0.04	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.28	
<i>For >250 To 500, Deduct</i>	-0.51	
<i>For >500, Deduct</i>	-0.79	
06 05 23 00-0207 EA 1-3/8" Wide x 6" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS6).....	2.55	
<i>For >10 To 50, Deduct</i>	-0.03	
<i>For >50 To 100, Deduct</i>	-0.09	
<i>For >100 To 250, Deduct</i>	-0.19	
<i>For >250 To 500, Deduct</i>	-0.34	
<i>For >500, Deduct</i>	-0.52	
06 05 23 00-0208 EA 1-3/8" Wide x 8" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS8).....	2.71	
<i>For >10 To 50, Deduct</i>	-0.03	
<i>For >50 To 100, Deduct</i>	-0.10	
<i>For >100 To 250, Deduct</i>	-0.19	
<i>For >250 To 500, Deduct</i>	-0.35	
<i>For >500, Deduct</i>	-0.54	
06 05 23 00-0209 EA 1-3/8" Wide x 12" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS12).....	3.70	
<i>For >10 To 50, Deduct</i>	-0.04	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.26	
<i>For >250 To 500, Deduct</i>	-0.46	
<i>For >500, Deduct</i>	-0.71	
06 05 23 00-0210 EA 2-1/16" Wide x 27" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST27).....	6.79	
<i>For >10 To 50, Deduct</i>	-0.04	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100 To 250, Deduct</i>	-0.43	
<i>For >250 To 500, Deduct</i>	-0.73	
<i>For >500, Deduct</i>	-1.08	
06 05 23 00-0211 EA 2-1/16" Wide x 37" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST37).....	9.23	
<i>For >10 To 50, Deduct</i>	-0.05	
<i>For >50 To 100, Deduct</i>	-0.28	
<i>For >100 To 250, Deduct</i>	-0.56	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.39	
06 05 23 00-0212 EA 2-1/16" Wide x 48" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST48).....	12.28	
<i>For >10 To 50, Deduct</i>	-0.06	
<i>For >50 To 100, Deduct</i>	-0.37	
<i>For >100 To 250, Deduct</i>	-0.73	
<i>For >250 To 500, Deduct</i>	-1.21	
<i>For >500, Deduct</i>	-1.77	
06 05 23 00-0213 EA 2-1/16" Wide x 60" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST60).....	17.93	
<i>For >10 To 50, Deduct</i>	-0.07	
<i>For >50 To 100, Deduct</i>	-0.51	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.40	
06 05 23 00-0214 EA 2-1/16" Wide x 72" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST72).....	23.20	
<i>For >10 To 50, Deduct</i>	-0.07	
<i>For >50 To 100, Deduct</i>	-0.65	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-2.11	
<i>For >500, Deduct</i>	-2.99	
06 05 23 00-0215 EA 3" Wide x 28" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC28).....	7.30	
<i>For >10 To 50, Deduct</i>	-0.04	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100 To 250, Deduct</i>	-0.45	
<i>For >250 To 500, Deduct</i>	-0.77	
<i>For >500, Deduct</i>	-1.13	
06 05 23 00-0216 EA 3" Wide x 40" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC40).....	9.98	
<i>For >10 To 50, Deduct</i>	-0.05	
<i>For >50 To 100, Deduct</i>	-0.30	
<i>For >100 To 250, Deduct</i>	-0.60	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.47	
06 05 23 00-0217 EA 3" Wide x 52" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC52).....	12.49	
<i>For >10 To 50, Deduct</i>	-0.06	
<i>For >50 To 100, Deduct</i>	-0.37	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.79	
06 05 23 00-0218 EA 3" Wide x 66" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC66).....	18.33	
<i>For >10 To 50, Deduct</i>	-0.07	
<i>For >50 To 100, Deduct</i>	-0.52	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.44	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0219			Twist Strap Ties <small>(06 05 23 00-0181)</small>		
06 05 23 00-0220	EA		1-1/4" Wide x 9" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS9).....	2.24	
			<i>For >10 To 50, Deduct</i>	-0.03	
			<i>For >50 To 100, Deduct</i>	-0.09	
			<i>For >100 To 250, Deduct</i>	-0.17	
			<i>For >250 To 500, Deduct</i>	-0.31	
			<i>For >500, Deduct</i>	-0.49	
06 05 23 00-0221	EA		1-1/4" Wide x 12" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS12).....	2.61	
			<i>For >10 To 50, Deduct</i>	-0.03	
			<i>For >50 To 100, Deduct</i>	-0.09	
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.34	
			<i>For >500, Deduct</i>	-0.53	
06 05 23 00-0222	EA		1-1/4" Wide x 18" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS18).....	3.55	
			<i>For >10 To 50, Deduct</i>	-0.04	
			<i>For >50 To 100, Deduct</i>	-0.13	
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.45	
			<i>For >500, Deduct</i>	-0.69	
06 05 23 00-0223	EA		1-1/4" Wide x 22" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS22).....	4.21	
			<i>For >10 To 50, Deduct</i>	-0.04	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.54	
			<i>For >500, Deduct</i>	-0.83	
06 05 23 00-0224			Retrofit Plate Strap <small>(06 05 23 00-0181)</small>		
06 05 23 00-0225	EA		1-3/8" Wide x 18" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS18).....	3.13	
			<i>For >10 To 50, Deduct</i>	-0.04	
			<i>For >50 To 100, Deduct</i>	-0.11	
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.42	
			<i>For >500, Deduct</i>	-0.65	
06 05 23 00-0226	EA		1-3/8" Wide x 22" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS22).....	3.48	
			<i>For >10 To 50, Deduct</i>	-0.04	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.44	
			<i>For >500, Deduct</i>	-0.68	
06 05 23 00-0227	EA		1-3/8" Wide x 28" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS28).....	4.04	
			<i>For >10 To 50, Deduct</i>	-0.04	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.49	
			<i>For >500, Deduct</i>	-0.74	
06 05 23 00-0228			Stud Shoe <small>(06 05 23 00-0181)</small>		
06 05 23 00-0229	EA		6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS1.5).....	5.94	
			<i>For >10 To 50, Deduct</i>	-0.04	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.67	
			<i>For >500, Deduct</i>	-1.00	
06 05 23 00-0230	EA		6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS2.5).....	9.11	
			<i>For >10 To 50, Deduct</i>	-0.04	
			<i>For >50 To 100, Deduct</i>	-0.27	
			<i>For >100 To 250, Deduct</i>	-0.54	
			<i>For >250 To 500, Deduct</i>	-0.90	
			<i>For >500, Deduct</i>	-1.32	
06 05 23 00-0231	EA		6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS3).....	9.73	
			<i>For >10 To 50, Deduct</i>	-0.04	
			<i>For >50 To 100, Deduct</i>	-0.29	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500, Deduct</i>	-1.38	
06 05 23 00-0232	EA		6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie SS4.5).....	13.05	
			<i>For >10 To 50, Deduct</i>	-0.04	
			<i>For >50 To 100, Deduct</i>	-0.37	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-1.20	
			<i>For >500, Deduct</i>	-1.71	
06 05 23 00-0233	EA		7-1/8" High With 3-1/4" Wide Tabs For 2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS2-SDS1.5).....	14.69	
			<i>For >10 To 50, Deduct</i>	-0.04	
			<i>For >50 To 100, Deduct</i>	-0.41	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.87	
06 05 23 00-0234	EA		7-1/8" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS2-2-SDS3).....	18.22	
			<i>For >10 To 50, Deduct</i>	-0.04	
			<i>For >50 To 100, Deduct</i>	-0.50	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-2.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0235 EA 7-1/8" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS2-3-SDS3)	18.22	
<i>For >10 To 50, Deduct</i>	-0.04	
<i>For >50 To 100, Deduct</i>	-0.50	
<i>For >100 To 250, Deduct</i>	-1.00	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-2.23	
06 05 23 00-0236 EA 7-1/8" High With 3-1/4" Wide Tabs For 4X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS4-SDS3).....	18.22	
<i>For >10 To 50, Deduct</i>	-0.04	
<i>For >50 To 100, Deduct</i>	-0.50	
<i>For >100 To 250, Deduct</i>	-1.00	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-2.23	
06 05 23 00-0237 Nail Stops <small>(06 05 23 00-0181)</small>		
06 05 23 00-0238 EA 1-1/2" Wide x 3" Long, 16 Gauge, Nail Stops (Simpson Strong Tie® NS1).....	1.56	
<i>For >10 To 50, Deduct</i>	-0.03	
<i>For >50 To 100, Deduct</i>	-0.07	
<i>For >100 To 250, Deduct</i>	-0.14	
<i>For >250 To 500, Deduct</i>	-0.26	
<i>For >500, Deduct</i>	-0.43	
06 05 23 00-0239 EA 1-1/2" Wide x 6" Long, 16 Gauge, Nail Stops (Simpson Strong Tie® NS2).....	1.84	
<i>For >10 To 50, Deduct</i>	-0.03	
<i>For >50 To 100, Deduct</i>	-0.08	
<i>For >100 To 250, Deduct</i>	-0.15	
<i>For >250 To 500, Deduct</i>	-0.28	
<i>For >500, Deduct</i>	-0.45	

06 10 Rough Carpentry (06)

06 11 Wood Framing (06 10)

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.

06 11 13 Engineered Wood Products (06 11)

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

06 11 13 00-0001 Built-Up Members (06 11 13)

Note: A structural framing member made from fastening separate pieces of lumber together.

06 11 13 00-0002 Built-Up Beams Or Joists (06 11 13 00-0001)

06 11 13 00-0003 LF Two 2" x 6" Built-up Wood Beam Or Joist.....	2.78	1.00
<i>For Each Additional 2" x_ " In The Built Up Member, Add</i>	0.63	
06 11 13 00-0004 LF Two 2" x 8" Built-up Wood Beam Or Joist.....	3.55	1.19
<i>For Each Additional 2" x_ " In The Built Up Member, Add</i>	0.89	
06 11 13 00-0005 LF Two 2" x 10" Built-up Wood Beam Or Joist.....	4.59	1.42
<i>For Each Additional 2" x_ " In The Built Up Member, Add</i>	1.23	

06 11 16 Mechanically Graded Lumber (06 11)

06 11 16 00-0001 Rafters And Joists (06 11 16)

06 11 16 00-0002 Rafters (06 11 16 00-0001)

Note: An inclined roof framing member to which a roof covering is attached.

06 11 16 00-0003 LF 2" x 6" Wood Rafter	1.57	0.71
06 11 16 00-0004 LF 2" x 8" Wood Rafter	1.88	0.77
06 11 16 00-0005 LF 2" x 10" Wood Rafter	2.71	1.12
06 11 16 00-0006 LF 2" x 12" Wood Rafter	3.15	1.25
06 11 16 00-0007 LF 2" x 14" Wood Rafter	3.43	1.36
06 11 16 00-0008 LF 2" x 6" Pressure Treated Wood Rafter.....	2.04	0.71
06 11 16 00-0009 LF 2" x 8" Pressure Treated Wood Rafter.....	2.53	0.77
06 11 16 00-0010 LF 2" x 10" Pressure Treated Wood Rafter.....	3.38	1.12
06 11 16 00-0011 LF 2" x 12" Pressure Treated Wood Rafter.....	4.13	1.25

06 11 16 00-0012 Joists (06 11 16 00-0001)

Note: A series of parallel beams to support floors or ceilings.

06 11 16 00-0013 LF 2" x 6" Pressure Treated Wood Floor Joist	1.86	0.59
06 11 16 00-0014 LF 2" x 8" Pressure Treated Wood Floor Joist	2.42	0.65
06 11 16 00-0015 LF 2" x 10" Pressure Treated Wood Floor Joist.....	2.96	0.83
06 11 16 00-0016 LF 2" x 12" Pressure Treated Wood Floor Joist.....	3.72	0.95

06 11 16 00-0017 Purlins (06 11 16 00-0001)

Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.

06 11 16 00-0018 LF 2" x 4" Wood Purlin	1.08	0.36
06 11 16 00-0019 LF 2" x 6" Wood Purlin.....	1.40	0.39
06 11 16 00-0020 LF 2" x 8" Wood Purlin.....	1.74	0.43
06 11 16 00-0021 LF 2" x 10" Wood Purlin.....	2.18	0.47
06 11 16 00-0022 LF 2" x 4" Pressure Treated Wood Purlin	1.36	0.36
06 11 16 00-0023 LF 2" x 6" Pressure Treated Wood Purlin	1.87	0.39
06 11 16 00-0024 LF 2" x 8" Pressure Treated Wood Purlin	2.39	0.43

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
06 11 16 00-0025	LF	2" x 10" Pressure Treated Wood Purlin	2.85		0.47
06 11 16 00-0026		Framing <small>(06 11 16)</small>			
06 11 16 00-0027		Partition Framing <small>(06 11 16 00-0026)</small>			
06 11 16 00-0028	LF	2" x 4" Wood Stud Framing, For Partition Walls.....	1.05		0.47
06 11 16 00-0029	LF	2" x 6" Wood Stud Framing, For Partition Walls.....	1.33		0.50
06 11 16 00-0030	LF	2" x 8" Wood Stud Framing, For Partition Walls.....	1.62		0.53
06 11 16 00-0031	LF	2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls.....	1.33		0.47
06 11 16 00-0032	LF	2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls.....	1.80		0.50
06 11 16 00-0033	LF	2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls.....	2.27		0.53
06 11 16 00-0034		Sills And Plates <small>(06 11 16)</small>			
06 11 16 00-0035		Sills <small>(06 11 16 00-0034)</small>			
		Note: A horizontal member which rests on and is attached to the foundation.			
06 11 16 00-0036	LF	2" x 4" Wood Sill	1.70		0.89
		For "Green" Materials (FSC and SCS certified), Add	0.06		
06 11 16 00-0037	LF	2" x 6" Wood Sill	2.10		1.00
		For "Green" Materials (FSC and SCS certified), Add	0.09		
06 11 16 00-0038	LF	2" x 8" Wood Sill	2.55		1.12
		For "Green" Materials (FSC and SCS certified), Add	0.13		
06 11 16 00-0039	LF	2" x 4" Pressure Treated Wood Sill.....	1.98		0.89
06 11 16 00-0040	LF	2" x 6" Pressure Treated Wood Sill.....	2.57		1.00
06 11 16 00-0041	LF	2" x 8" Pressure Treated Wood Sill.....	3.20		1.12
06 11 16 00-0042		Plates <small>(06 11 16 00-0034)</small>			
		Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.			
06 11 16 00-0043	LF	2" x 4" Wood Plate	1.70		0.89
		For "Green" Materials (FSC and SCS certified), Add	0.06		
06 11 16 00-0044	LF	2" x 6" Wood Plate	2.10		1.00
		For "Green" Materials (FSC and SCS certified), Add	0.09		
06 11 16 00-0045	LF	2" x 8" Wood Plate	2.54		1.12
		For "Green" Materials (FSC and SCS certified), Add	0.13		
06 11 16 00-0046	LF	2" x 4" Pressure Treated Wood Plate	1.98		0.89
06 11 16 00-0047	LF	2" x 6" Pressure Treated Wood Plate	2.57		1.00
06 11 16 00-0048	LF	2" x 8" Pressure Treated Wood Plate	3.19		1.12
06 11 16 00-0049		Sills And Plates From Redwood <small>(06 11 16 00-0034)</small>			
06 11 16 00-0050		Construction Grade/Rough <small>(06 11 16 00-0049)</small>			
06 11 16 00-0051	LF	2" x 6" Redwood, Construction Grade/Rough.....	3.11		1.00
06 11 16 00-0052	LF	2" x 8" Redwood, Construction Grade/Rough.....	4.15		1.12
06 11 16 00-0053	LF	2" x 10" Redwood, Construction Grade/Rough.....	5.04		1.25
06 11 16 00-0054	LF	2" x 12" Redwood, Construction Grade/Rough.....	6.09		1.36
06 11 16 00-0055		Con Heart/Smooth <small>(06 11 16 00-0049)</small>			
06 11 16 00-0056	LF	2" x 6" Redwood, Con Heart/Smooth.....	3.80		1.00
06 11 16 00-0057	LF	2" x 8" Redwood, Con Heart/Smooth.....	5.19		1.12
06 11 16 00-0058	LF	2" x 10" Redwood, Con Heart/Smooth.....	6.81		1.25
06 11 16 00-0059	LF	2" x 12" Redwood, Con Heart/Smooth.....	8.18		1.36
06 11 16 00-0060		Suspended Ceiling Framing <small>(06 11 16)</small>			
06 11 16 00-0061	LF	1" x 2" Wood Suspended Ceiling Framing	1.36		0.77
06 11 16 00-0062	LF	1" x 3" Wood Suspended Ceiling Framing	1.51		0.83
06 11 16 00-0063	LF	2" x 2" Wood Suspended Ceiling Framing	1.64		0.89
06 11 16 00-0064	LF	2" x 4" Wood Suspended Ceiling Framing	1.94		1.00
06 11 16 00-0065	LF	1" x 2" Pressure Treated Wood Suspended Ceiling Framing	1.58		0.77
06 11 16 00-0066	LF	1" x 3" Pressure Treated Wood Suspended Ceiling Framing	1.49		0.83
06 11 16 00-0067	LF	2" x 2" Pressure Treated Wood Suspended Ceiling Framing	1.89		0.89
06 11 16 00-0068	LF	2" x 4" Pressure Treated Wood Suspended Ceiling Framing	2.18		1.00
06 11 16 00-0069		Posts And Girts <small>(06 11 16)</small>			
06 11 16 00-0070		Posts <small>(06 11 16 00-0069)</small>			
		Note: A vertical, upright framing member.			
06 11 16 00-0071	LF	4" x 4" Wood Post.....	2.45		1.12
06 11 16 00-0072	LF	4" x 5" Wood Post.....	2.80		1.30
06 11 16 00-0073	LF	4" x 6" Wood Post.....	3.08		1.42
06 11 16 00-0074	LF	6" x 6" Wood Post.....	3.43		1.53
06 11 16 00-0075	LF	8" x 8" Wood Post.....	3.79		1.59
06 11 16 00-0076	LF	10" x 10" Wood Post.....	4.14		1.83
06 11 16 00-0077	LF	4" x 4" Pressure Treated Wood Post	3.38		1.12
06 11 16 00-0078	LF	4" x 6" Pressure Treated Wood Post	4.40		1.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0079 LF 6" x 6" Pressure Treated Wood Post	5.75	1.53
06 11 16 00-0080 Girts <small>(06 11 16 00-0069)</small>		
<small>Note: A horizontal member at intermediate level between columns, studs, or posts.</small>		
06 11 16 00-0081 LF 2" x 4" Wood Girt	1.22	0.43
06 11 16 00-0082 LF 2" x 6" Wood Girt	1.55	0.47
06 11 16 00-0083 LF 2" x 8" Wood Girt	1.91	0.51
06 11 16 00-0084 LF 2" x 10" Wood Girt	2.36	0.57
06 11 16 00-0085 LF 4" x 4" Wood Girt	2.36	0.85
06 11 16 00-0086 LF 4" x 5" Wood Girt	2.72	0.96
06 11 16 00-0087 LF 4" x 6" Wood Girt	3.07	1.06
06 11 16 00-0088 LF 6" x 6" Wood Girt	3.42	1.17
06 11 16 00-0089 LF 8" x 8" Wood Girt	3.77	1.28
06 11 16 00-0090 LF 10" x 10" Wood Girt	4.13	1.39
06 11 16 00-0091 LF 2" x 4" Pressure Treated Wood Girt	1.50	0.43
06 11 16 00-0092 LF 2" x 6" Pressure Treated Wood Girt	2.02	0.47
06 11 16 00-0093 LF 2" x 8" Pressure Treated Wood Girt	2.56	0.51
06 11 16 00-0094 LF 2" x 10" Pressure Treated Wood Girt	3.03	0.57
06 11 16 00-0095 LF 4" x 4" Pressure Treated Wood Girt	3.38	0.85
06 11 16 00-0096 LF 4" x 6" Pressure Treated Wood Girt	4.40	1.06
06 11 16 00-0097 LF 6" x 6" Pressure Treated Wood Girt	5.75	1.17
06 11 16 00-0098 Construction Grade/Rough Redwood Posts <small>(06 11 16 00-0069)</small>		
06 11 16 00-0099 LF 4" x 4" Redwood, Construction Grade/Rough Post	4.84	1.12
<i>For Smooth "Clear", Add</i>	0.63	
06 11 16 00-0100 LF 4" x 5" Redwood, Construction Grade/Rough Post	5.83	1.30
<i>For Smooth "Clear", Add</i>	0.78	
06 11 16 00-0101 LF 4" x 6" Redwood, Construction Grade/Rough Post	6.85	1.42
<i>For Smooth "Clear", Add</i>	0.94	
06 11 16 00-0102 LF 4" x 8" Redwood, Construction Grade/Rough Post	8.51	1.46
<i>For Smooth "Clear", Add</i>	1.26	
06 11 16 00-0103 LF 4" x 10" Redwood, Construction Grade/Rough Post	10.22	1.55
<i>For Smooth "Clear", Add</i>	1.57	
06 11 16 00-0104 LF 6" x 6" Redwood, Construction Grade/Rough Post	9.41	1.53
<i>For Smooth "Clear", Add</i>	1.41	
06 11 16 00-0105 LF 6" x 8" Redwood, Construction Grade/Rough Post	11.86	1.59
<i>For Smooth "Clear", Add</i>	1.89	
06 11 16 00-0106 LF 6" x 10" Redwood, Construction Grade/Rough Post	14.28	1.50
<i>For Smooth "Clear", Add</i>	2.36	
06 11 16 00-0107 LF 8" x 8" Redwood, Construction Grade/Rough Post	15.13	1.59
<i>For Smooth "Clear", Add</i>	2.51	
06 11 16 00-0108 Stair Stringers <small>(06 11 16)</small>		
06 11 16 00-0109 LF 2" x 10" Wood Stair Stringer	4.76	2.37
<i>For "Green" Materials (FSC and SCS certified), Add</i>	0.18	
06 11 16 00-0110 LF 2" x 12" Wood Stair Stringer	5.64	2.78
<i>For "Green" Materials (FSC and SCS certified), Add</i>	0.23	
06 11 16 00-0111 LF 2" x 10" Pressure Treated Wood Stair Stringer	5.45	2.37
06 11 16 00-0112 LF 2" x 12" Pressure Treated Wood Stair Stringer	6.61	2.78
06 11 16 00-0113 Blocking <small>(06 11 16)</small>		
06 11 16 00-0114 Pressure Treated Lattice <small>(06 11 16 00-0113)</small>		
06 11 16 00-0115 SF 3/4" Thick Pressure Treated Wood Lattice	4.37	1.25
06 11 16 00-0116 Roofing Nailers <small>(06 11 16)</small>		
06 11 16 00-0117 LF 2" x 4" Pressure Treated Lumber, For Roofing Nailers	2.01	0.47
06 11 16 00-0118 LF 2" x 6" Pressure Treated Lumber, For Roofing Nailers	2.51	0.50
06 11 16 00-0119 LF 2" x 8" Pressure Treated Lumber, For Roofing Nailers	3.01	0.53
06 11 16 00-0120 Roofing Sleepers <small>(06 11 16)</small>		
06 11 16 00-0121 LF 2" x 4" Pressure Treated Lumber, For Roofing Sleepers	1.09	
06 11 16 00-0122 LF 4" x 4" Pressure Treated Lumber, For Roofing Sleepers	2.54	
06 11 16 00-0123 LF 4" x 6" Pressure Treated Lumber, For Roofing Sleepers	3.33	
06 11 16 00-0124 LF 6" x 6" Pressure Treated Lumber, For Roofing Sleepers	4.60	
06 11 16 00-0125 Canopy Framing, Bridging, And Furring <small>(06 11 16)</small>		
06 11 16 00-0126 Wood And Steel Bridging <small>(06 11 16 00-0126)</small>		
06 11 16 00-0127 Wood Bridging <small>(06 11 16 00-0126)</small>		
06 11 16 00-0128 EA 1 Pair Wood Bridging, 1" x 3" Cross Type	4.87	2.07
<small>Note: For joists spaced at 16" on center.</small>		
06 11 16 00-0129 EA 1 Pair Wood Bridging, 2" x 3" Cross Type	5.08	2.07
<small>Note: For joists spaced at 16" on center.</small>		

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0130			Steel Bridging (06 11 16 00-0126)		
06 11 16 00-0131	EA		1 Pair Steel Bridging, Wood Joists At 16" On Center.....	5.85	2.07
06 11 16 00-0132	EA		1 Pair Steel Bridging, Wood Joists At 24" On Center.....	5.83	2.07
06 11 16 00-0133			Light Framing, Trim And Furring (06 11 16 00-0125)		
06 11 16 00-0134			Redwood Light Framing, Trim And Furring (06 11 16 00-0133)		
06 11 16 00-0135	LF		1" x 1" Redwood Light Framing, Trim And Furring.....	1.07	0.48
06 11 16 00-0136	LF		1" x 2" Redwood Light Framing, Trim And Furring.....	1.27	0.53
06 11 16 00-0137	LF		1" x 4" Redwood Light Framing, Trim And Furring.....	1.60	0.58
06 11 16 00-0138	LF		1" x 6" Redwood Light Framing, Trim And Furring.....	1.98	0.64
06 11 16 00-0139	LF		1" x 8" Redwood Light Framing, Trim And Furring.....	2.38	0.71
06 11 16 00-0140	LF		1" x 10" Redwood Light Framing, Trim And Furring.....	2.83	0.78
06 11 16 00-0141	LF		2" x 2" Redwood Light Framing, Trim And Furring.....	1.99	0.64
06 11 16 00-0142	LF		2" x 4" Redwood Light Framing, Trim And Furring.....	2.40	0.71
06 11 16 00-0143			Poplar Light Framing, Trim And Furring (06 11 16 00-0133)		
06 11 16 00-0144	LF		1" x 1" Poplar Light Framing, Trim And Furring.....	1.31	0.48
06 11 16 00-0145	LF		1" x 2" Poplar Light Framing, Trim And Furring.....	1.65	0.53
06 11 16 00-0146	LF		1" x 4" Poplar Light Framing, Trim And Furring.....	2.14	0.58
06 11 16 00-0147	LF		1" x 6" Poplar Light Framing, Trim And Furring.....	2.80	0.64
06 11 16 00-0148	LF		1" x 8" Poplar Light Framing, Trim And Furring.....	3.29	0.71
06 11 16 00-0149	LF		1" x 10" Poplar Light Framing, Trim And Furring.....	4.45	0.78
06 11 16 00-0150	LF		1" x 12" Poplar Light Framing, Trim And Furring.....	4.86	0.78
06 11 16 00-0151	LF		2" x 2" Poplar Light Framing, Trim And Furring.....	3.83	0.64
06 11 16 00-0152	LF		2" x 4" Poplar Light Framing, Trim And Furring.....	4.31	0.71
06 11 16 00-0153	LF		2" x 6" Poplar Light Framing, Trim And Furring.....	5.88	0.78
06 11 16 00-0154			Maple Light Framing, Trim And Furring (06 11 16 00-0133)		
06 11 16 00-0155	LF		1" x 4" Maple Light Framing, Trim And Furring.....	3.18	0.58
06 11 16 00-0156	LF		1" x 6" Maple Light Framing, Trim And Furring.....	4.42	0.64
06 11 16 00-0157	LF		1" x 8" Maple Light Framing, Trim And Furring.....	5.69	0.71
06 13			Heavy Timber Construction (06 10)		
06 13 23			Heavy Timber Framing (06 13)		
06 13 23 00-0001			Heavy Timber Framing (06 13 23) Note: Excludes fasteners.		
06 13 23 00-0002			Heavy Timber Beams (06 13 23 00-0001)		
06 13 23 00-0003			Pine, Heavy Timber Beams (06 13 23 00-0002)		
06 13 23 00-0004	LF		4" x 4", Pine, Heavy Timber Beam.....	3.30	1.05
06 13 23 00-0005	LF		4" x 6", Pine, Heavy Timber Beam.....	4.01	1.09
06 13 23 00-0006	LF		4" x 8", Pine, Heavy Timber Beam.....	4.70	1.13
06 13 23 00-0007	LF		4" x 10", Pine, Heavy Timber Beam.....	6.09	1.22
06 13 23 00-0008	LF		4" x 12", Pine, Heavy Timber Beam.....	7.24	1.29
06 13 23 00-0009	LF		6" x 6", Pine, Heavy Timber Beam.....	5.06	1.19
06 13 23 00-0010	LF		6" x 8", Pine, Heavy Timber Beam.....	6.08	1.25
06 13 23 00-0011	LF		6" x 10", Pine, Heavy Timber Beam.....	8.17	1.33
06 13 23 00-0012	LF		6" x 12", Pine, Heavy Timber Beam.....	9.72	1.36
06 13 23 00-0013	LF		8" x 8", Pine, Heavy Timber Beam.....	7.41	1.29
06 13 23 00-0014	LF		8" x 10", Pine, Heavy Timber Beam.....	10.01	1.33
06 13 23 00-0015	LF		8" x 12", Pine, Heavy Timber Beam.....	12.10	1.36
06 13 23 00-0016	LF		10" x 10", Pine, Heavy Timber Beam.....	11.97	1.36
06 13 23 00-0017	LF		10" x 12", Pine, Heavy Timber Beam.....	14.63	1.48
06 13 23 00-0018	LF		12" x 12", Pine, Heavy Timber Beam.....	17.26	1.62
06 13 23 00-0019			Douglas Fir, Heavy Timber Beams (06 13 23 00-0002)		
06 13 23 00-0020	LF		4" x 4", Douglas Fir, Heavy Timber Beam.....	3.42	1.05
06 13 23 00-0021	LF		4" x 6", Douglas Fir, Heavy Timber Beam.....	4.19	1.09
06 13 23 00-0022	LF		4" x 8", Douglas Fir, Heavy Timber Beam.....	4.95	1.13
06 13 23 00-0023	LF		4" x 10", Douglas Fir, Heavy Timber Beam.....	6.46	1.22
06 13 23 00-0024	LF		4" x 12", Douglas Fir, Heavy Timber Beam.....	7.70	1.29
06 13 23 00-0025	LF		6" x 6", Douglas Fir, Heavy Timber Beam.....	5.33	1.19
06 13 23 00-0026	LF		6" x 8", Douglas Fir, Heavy Timber Beam.....	6.44	1.25
06 13 23 00-0027	LF		6" x 10", Douglas Fir, Heavy Timber Beam.....	8.72	1.33
06 13 23 00-0028	LF		6" x 12", Douglas Fir, Heavy Timber Beam.....	10.43	1.36
06 13 23 00-0029	LF		8" x 8", Douglas Fir, Heavy Timber Beam.....	7.89	1.29
06 13 23 00-0030	LF		8" x 10", Douglas Fir, Heavy Timber Beam.....	10.74	1.33
06 13 23 00-0031	LF		8" x 12", Douglas Fir, Heavy Timber Beam.....	13.04	1.36
06 13 23 00-0032	LF		10" x 10", Douglas Fir, Heavy Timber Beam.....	12.88	1.36
06 13 23 00-0033	LF		10" x 12", Douglas Fir, Heavy Timber Beam.....	15.78	1.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0034 LF 12" x 12", Douglas Fir, Heavy Timber Beam.....	18.65	1.62
06 13 23 00-0035 Pressure Treated, Heavy Timber Beams (06 13 23 00-0002)		
06 13 23 00-0036 LF 4" x 4", Pressure Treated, Heavy Timber Beam	3.25	1.05
06 13 23 00-0037 LF 4" x 6", Pressure Treated, Heavy Timber Beam	4.03	1.09
06 13 23 00-0038 LF 4" x 8", Pressure Treated, Heavy Timber Beam	4.70	1.13
06 13 23 00-0039 LF 4" x 10", Pressure Treated, Heavy Timber Beam	6.10	1.22
06 13 23 00-0040 LF 4" x 12", Pressure Treated, Heavy Timber Beam	7.24	1.29
06 13 23 00-0041 LF 6" x 6", Pressure Treated, Heavy Timber Beam	5.06	1.19
06 13 23 00-0042 LF 6" x 8", Pressure Treated, Heavy Timber Beam	5.34	1.25
06 13 23 00-0043 LF 6" x 10", Pressure Treated, Heavy Timber Beam	7.86	1.33
06 13 23 00-0044 LF 6" x 12", Pressure Treated, Heavy Timber Beam	9.54	1.36
06 13 23 00-0045 LF 8" x 8", Pressure Treated, Heavy Timber Beam	9.61	1.29
06 13 23 00-0046 LF 8" x 10", Pressure Treated, Heavy Timber Beam	11.10	1.33
06 13 23 00-0047 LF 8" x 12", Pressure Treated, Heavy Timber Beam	13.01	1.36
06 13 23 00-0048 LF 10" x 10", Pressure Treated, Heavy Timber Beam	13.07	1.36
06 13 23 00-0049 LF 10" x 12", Pressure Treated, Heavy Timber Beam	17.16	1.48
06 13 23 00-0050 LF 12" x 12", Pressure Treated, Heavy Timber Beam	20.30	1.62
06 13 23 00-0051 Heavy Timber Columns (06 13 23 00-0001)		
06 13 23 00-0052 Pine, Heavy Timber Columns (06 13 23 00-0051)		
06 13 23 00-0053 LF 4" x 4", Pine, Heavy Timber Column.....	2.31	0.55
06 13 23 00-0054 LF 4" x 6", Pine, Heavy Timber Column.....	2.98	0.58
06 13 23 00-0055 LF 4" x 8", Pine, Heavy Timber Column.....	3.62	0.60
06 13 23 00-0056 LF 4" x 10", Pine, Heavy Timber Column.....	4.95	0.63
06 13 23 00-0057 LF 4" x 12", Pine, Heavy Timber Column.....	6.03	0.67
06 13 23 00-0058 LF 6" x 6", Pine, Heavy Timber Column.....	3.96	0.61
06 13 23 00-0059 LF 6" x 8", Pine, Heavy Timber Column.....	4.92	0.64
06 13 23 00-0060 LF 6" x 10", Pine, Heavy Timber Column.....	6.91	0.70
06 13 23 00-0061 LF 6" x 12", Pine, Heavy Timber Column.....	8.43	0.72
06 13 23 00-0062 LF 8" x 8", Pine, Heavy Timber Column.....	6.20	0.67
06 13 23 00-0063 LF 8" x 10", Pine, Heavy Timber Column.....	8.75	0.70
06 13 23 00-0064 LF 8" x 12", Pine, Heavy Timber Column.....	10.79	0.73
06 13 23 00-0065 LF 10" x 10", Pine, Heavy Timber Column.....	10.65	0.73
06 13 23 00-0066 LF 10" x 12", Pine, Heavy Timber Column.....	13.23	0.78
06 13 23 00-0067 LF 12" x 12", Pine, Heavy Timber Column.....	15.73	0.86
06 13 23 00-0068 Douglas Fir, Heavy Timber Columns (06 13 23 00-0051)		
06 13 23 00-0069 LF 4" x 4", Douglas Fir, Heavy Timber Column.....	2.43	0.55
06 13 23 00-0070 LF 4" x 6", Douglas Fir, Heavy Timber Column.....	3.16	0.58
06 13 23 00-0071 LF 4" x 8", Douglas Fir, Heavy Timber Column.....	3.87	0.60
06 13 23 00-0072 LF 4" x 10", Douglas Fir, Heavy Timber Column.....	5.32	0.63
06 13 23 00-0073 LF 4" x 12", Douglas Fir, Heavy Timber Column.....	6.49	0.67
06 13 23 00-0074 LF 6" x 6", Douglas Fir, Heavy Timber Column.....	4.23	0.61
06 13 23 00-0075 LF 6" x 8", Douglas Fir, Heavy Timber Column.....	5.28	0.64
06 13 23 00-0076 LF 6" x 10", Douglas Fir, Heavy Timber Column.....	7.46	0.70
06 13 23 00-0077 LF 6" x 12", Douglas Fir, Heavy Timber Column.....	9.14	0.72
06 13 23 00-0078 LF 8" x 8", Douglas Fir, Heavy Timber Column.....	6.68	0.67
06 13 23 00-0079 LF 8" x 10", Douglas Fir, Heavy Timber Column.....	9.48	0.70
06 13 23 00-0080 LF 8" x 12", Douglas Fir, Heavy Timber Column.....	11.73	0.73
06 13 23 00-0081 LF 10" x 10", Douglas Fir, Heavy Timber Column.....	11.56	0.73
06 13 23 00-0082 LF 10" x 12", Douglas Fir, Heavy Timber Column.....	14.38	0.78
06 13 23 00-0083 LF 12" x 12", Douglas Fir, Heavy Timber Column.....	17.12	0.86
06 13 23 00-0084 Pressure Treated, Heavy Timber Columns (06 13 23 00-0051)		
06 13 23 00-0085 LF 4" x 4", Pressure Treated, Heavy Timber Column	2.26	0.55
06 13 23 00-0086 LF 4" x 6", Pressure Treated, Heavy Timber Column	3.00	0.58
06 13 23 00-0087 LF 4" x 8", Pressure Treated, Heavy Timber Column	3.62	0.60
06 13 23 00-0088 LF 4" x 10", Pressure Treated, Heavy Timber Column	4.96	0.63
06 13 23 00-0089 LF 4" x 12", Pressure Treated, Heavy Timber Column	6.03	0.67
06 13 23 00-0090 LF 6" x 6", Pressure Treated, Heavy Timber Column	3.96	0.61
06 13 23 00-0091 LF 6" x 8", Pressure Treated, Heavy Timber Column	4.18	0.64
06 13 23 00-0092 LF 6" x 10", Pressure Treated, Heavy Timber Column	6.60	0.70
06 13 23 00-0093 LF 6" x 12", Pressure Treated, Heavy Timber Column	8.25	0.72
06 13 23 00-0094 LF 8" x 8", Pressure Treated, Heavy Timber Column	8.40	0.67
06 13 23 00-0095 LF 8" x 10", Pressure Treated, Heavy Timber Column	9.84	0.70
06 13 23 00-0096 LF 8" x 12", Pressure Treated, Heavy Timber Column	11.70	0.73
06 13 23 00-0097 LF 10" x 10", Pressure Treated, Heavy Timber Column	11.75	0.73
06 13 23 00-0098 LF 10" x 12", Pressure Treated, Heavy Timber Column	15.76	0.78
06 13 23 00-0099 LF 12" x 12", Pressure Treated, Heavy Timber Column	18.77	0.86

06 15 Wood Decking (06 10)

06 15 13 Wood Floor Decking (06 15)

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 15 Wood Decking**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 15 13 00-0001	Wood Deck Systems <small>(06 15 13)</small> Note: Includes the deck, joists, girders, posts (8' O.C.), pickets and railing.		
06 15 13 00-0002	Pressure Treated Wood Deck System <small>(06 15 13 00-0001)</small>		
06 15 13 00-0003	2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System <small>(06 15 13 00-0002)</small>		
06 15 13 00-0004	SF 5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	25.09	4.20
06 15 13 00-0005	SF 5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	24.65	4.00
06 15 13 00-0006	SF 2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	26.27	4.32
06 15 13 00-0007	SF 2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	25.87	4.10
06 15 13 00-0008	2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System <small>(06 15 13 00-0002)</small>		
06 15 13 00-0009	SF 5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	26.12	4.32
06 15 13 00-0010	SF 5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	25.65	4.09
06 15 13 00-0011	SF 2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	27.31	4.42
06 15 13 00-0012	SF 2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center	26.89	4.20
06 15 13 00-0013	2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System <small>(06 15 13 00-0002)</small>		
06 15 13 00-0014	SF 5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	25.09	4.20
06 15 13 00-0015	SF 5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	24.65	4.00
06 15 13 00-0016	SF 2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	26.27	4.32
06 15 13 00-0017	SF 2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	25.87	4.10
06 15 13 00-0018	Redwood With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0001)</small>		
06 15 13 00-0019	2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0018)</small>		
06 15 13 00-0020	SF 5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	28.14	4.20
06 15 13 00-0021	SF 5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	27.84	3.87
06 15 13 00-0022	SF 2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	30.09	4.32
06 15 13 00-0023	SF 2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	29.47	4.10
06 15 13 00-0024	2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0018)</small>		
06 15 13 00-0025	SF 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	30.90	4.32
06 15 13 00-0026	SF 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	30.57	4.09
06 15 13 00-0027	SF 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	33.03	4.42
06 15 13 00-0028	SF 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	32.42	4.20
06 15 13 00-0029	2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0018)</small>		
06 15 13 00-0030	SF 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	29.37	4.20
06 15 13 00-0031	SF 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	29.07	4.00
06 15 13 00-0032	SF 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	31.39	4.32
06 15 13 00-0033	SF 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	31.75	4.10
06 15 13 00-0034	Wood Ramp Systems <small>(06 15 13)</small> Note: Includes the decking, joists, girders, posts at corners and along ramp, pickets and railing.		
06 15 13 00-0035	Pressure Treated Wood Ramp System <small>(06 15 13 00-0034)</small>		
06 15 13 00-0036	2" x 6" Joists, Pressure Treated Wood Ramp System <small>(06 15 13 00-0035)</small>		
06 15 13 00-0037	SF 5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	28.14	4.10
06 15 13 00-0038	SF 5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	27.48	3.89
06 15 13 00-0039	SF 2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	29.35	4.20
06 15 13 00-0040	SF 2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	28.74	4.00
06 15 13 00-0041	2" x 8" Joists, Pressure Treated Wood Ramp System <small>(06 15 13 00-0035)</small>		
06 15 13 00-0042	SF 5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	29.16	4.20
06 15 13 00-0043	SF 5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	28.52	4.00
06 15 13 00-0044	SF 2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	30.45	4.32
06 15 13 00-0045	SF 2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	29.84	4.10
06 15 13 00-0046	2" x 10" Joists, Pressure Treated Wood Ramp System <small>(06 15 13 00-0035)</small>		
06 15 13 00-0047	SF 5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	30.27	4.31
06 15 13 00-0048	SF 5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	29.63	4.09
06 15 13 00-0049	SF 2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	31.59	4.42
06 15 13 00-0050	SF 2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	30.96	4.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0051 Redwood With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0034)</small>		
06 15 13 00-0052 2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0051)</small>		
06 15 13 00-0053 SF 5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	31.00	4.10
06 15 13 00-0054 SF 5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	30.48	3.89
06 15 13 00-0055 SF 2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	32.94	4.20
06 15 13 00-0056 SF 2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	32.12	4.00
06 15 13 00-0057 2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0051)</small>		
06 15 13 00-0058 SF 5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	32.21	4.20
06 15 13 00-0059 SF 5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	31.71	4.00
06 15 13 00-0060 SF 2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	34.27	4.32
06 15 13 00-0061 SF 2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	33.44	4.10
06 15 13 00-0062 2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0051)</small>		
06 15 13 00-0063 SF 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	35.07	4.31
06 15 13 00-0064 SF 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	34.55	4.09
06 15 13 00-0065 SF 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	37.32	4.42
06 15 13 00-0066 SF 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	37.12	4.20
06 15 13 00-0067 Cedar With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0034)</small>		
06 15 13 00-0068 2" x 6" Joists, Cedar With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0067)</small>		
06 15 13 00-0069 SF 5/4" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	29.15	4.10
06 15 13 00-0070 SF 5/4" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	28.54	3.89
06 15 13 00-0071 SF 2" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	30.45	4.20
06 15 13 00-0072 SF 2" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	29.89	4.00
06 15 13 00-0073 2" x 8" Joists, Cedar With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0067)</small>		
06 15 13 00-0074 SF 5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	30.24	4.20
06 15 13 00-0075 SF 5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	29.65	4.00
06 15 13 00-0076 SF 2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	31.62	4.32
06 15 13 00-0077 SF 2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	31.07	4.10
06 15 13 00-0078 2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0067)</small>		
06 15 13 00-0079 SF 5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	31.44	4.31
06 15 13 00-0080 SF 5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	30.83	4.09
06 15 13 00-0081 SF 2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	32.83	4.42
06 15 13 00-0082 SF 2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	32.27	4.20
06 15 13 00-0083 Wood Stair Systems <small>(06 15 13)</small>		
Note: Includes the decking, joists, girders, posts at corners and along stairs, pickets and railing.		
06 15 13 00-0084 Pressure Treated Wood Stair System <small>(06 15 13 00-0083)</small>		
06 15 13 00-0085 2" x 10" Joists, Pressure Treated Wood Stair System <small>(06 15 13 00-0084)</small>		
06 15 13 00-0086 RSR 3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	82.70	10.10
06 15 13 00-0087 RSR 3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	82.23	9.59
06 15 13 00-0088 RSR 3' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	85.57	10.35
06 15 13 00-0089 RSR 3' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	84.45	9.83
06 15 13 00-0090 RSR 3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	86.83	10.59
06 15 13 00-0091 RSR 3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	86.33	10.06
06 15 13 00-0092 RSR 3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	89.85	10.87
06 15 13 00-0093 RSR 3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	88.68	10.33
06 15 13 00-0094 RSR 4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	91.00	11.12
06 15 13 00-0095 RSR 4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	90.47	10.57
06 15 13 00-0096 RSR 4' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	94.16	11.41
06 15 13 00-0097 RSR 4' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	92.92	10.84
06 15 13 00-0098 RSR 5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	97.40	11.69
06 15 13 00-0099 RSR 5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	96.95	11.10
06 15 13 00-0100 RSR 5' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	100.81	11.98
06 15 13 00-0101 RSR 5' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	99.59	11.39
06 15 13 00-0102 2" x 12" Joists, Pressure Treated Wood Stair System <small>(06 15 13 00-0084)</small>		
06 15 13 00-0103 RSR 3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	84.25	10.35
06 15 13 00-0104 RSR 3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	83.18	9.83
06 15 13 00-0105 RSR 3' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	87.35	10.61
06 15 13 00-0106 RSR 3' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	86.27	10.09
06 15 13 00-0107 RSR 3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	88.47	10.86
06 15 13 00-0108 RSR 3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	87.34	10.32

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 15 Wood Decking**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0109	RSR		3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	91.70	11.14
06 15 13 00-0110	RSR		3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	90.59	10.58
06 15 13 00-0111	RSR		4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	92.71	11.40
06 15 13 00-0112	RSR		4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	91.52	10.84
06 15 13 00-0113	RSR		4' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	96.11	11.70
06 15 13 00-0114	RSR		4' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	94.92	11.11
06 15 13 00-0115	RSR		5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	99.23	11.98
06 15 13 00-0116	RSR		5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	98.06	11.38
06 15 13 00-0117	RSR		5' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	102.88	12.28
06 15 13 00-0118	RSR		5' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	101.72	11.67
06 15 13 00-0119			Redwood With Pressure Treated Joists, Wood Stair System (06 15 13 00-0083)		
06 15 13 00-0120			2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Stair System (06 15 13 00-0119)		
06 15 13 00-0121	RSR		3' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	99.64	10.10
06 15 13 00-0122	RSR		3' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	99.02	9.59
06 15 13 00-0123	RSR		3' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	103.57	10.35
06 15 13 00-0124	RSR		3' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	102.98	9.83
06 15 13 00-0125	RSR		3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	104.62	10.59
06 15 13 00-0126	RSR		3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	103.96	10.06
06 15 13 00-0127	RSR		3'-6" Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	108.76	10.87
06 15 13 00-0128	RSR		3'-6" Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	108.14	10.33
06 15 13 00-0129	RSR		4' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	109.59	11.12
06 15 13 00-0130	RSR		4' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	108.90	10.57
06 15 13 00-0131	RSR		4' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	113.91	11.41
06 15 13 00-0132	RSR		4' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	113.26	10.84
06 15 13 00-0133	RSR		5' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	117.85	11.69
06 15 13 00-0134	RSR		5' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	117.22	11.10
06 15 13 00-0135	RSR		5' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	122.54	11.98
06 15 13 00-0136	RSR		5' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	121.96	11.39
06 15 13 00-0137			2" x 12" Joists, Redwood With Pressure Treated Joists, Wood Stair System (06 15 13 00-0119)		
06 15 13 00-0138	RSR		3' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	96.20	10.35
06 15 13 00-0139	RSR		3' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	95.55	9.83
06 15 13 00-0140	RSR		3' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	99.78	10.61
06 15 13 00-0141	RSR		3' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	99.30	10.09
06 15 13 00-0142	RSR		3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	101.02	10.86
06 15 13 00-0143	RSR		3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	100.33	10.32
06 15 13 00-0144	RSR		3'-6" Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	104.77	11.14
06 15 13 00-0145	RSR		3'-6" Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	104.26	10.58
06 15 13 00-0146	RSR		4' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	105.82	11.40
06 15 13 00-0147	RSR		4' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	105.10	10.84
06 15 13 00-0148	RSR		4' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	109.75	11.70
06 15 13 00-0149	RSR		4' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	109.21	11.11
06 15 13 00-0150	RSR		5' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	113.65	11.98
06 15 13 00-0151	RSR		5' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	113.00	11.38
06 15 13 00-0152	RSR		5' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	117.90	12.28
06 15 13 00-0153	RSR		5' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	117.44	11.67
06 15 13 00-0154			Wood Deck And Ramp Systems Repairs (06 15 13) Note: Includes removal of material and screws. Excludes anchors and bolts.		
06 15 13 00-0155			Deck Joist Or Girt (06 15 13 00-0154) See CSI section 06 11 16 00-0012 for treated wood joist replacement.		
06 15 13 00-0156			Deck Boards (06 15 13 00-0154)		
06 15 13 00-0157	LF		5/4" x 4" Round Edge Pressure Treated Deck Boards.....	1.42	0.46
06 15 13 00-0158	LF		5/4" x 6" Round Edge Pressure Treated Deck Boards.....	1.54	0.54
06 15 13 00-0159	LF		2" x 4" Round Edge Pressure Treated Deck Boards.....	1.50	0.54
06 15 13 00-0160	LF		2" x 6" Round Edge Pressure Treated Deck Boards.....	2.06	0.62
06 15 13 00-0161	LF		2" x 8" Round Edge Pressure Treated Deck Boards.....	2.67	0.75
06 15 13 00-0162	LF		2" x 10" Round Edge Pressure Treated Deck Boards.....	3.27	0.91
06 15 13 00-0163	LF		2" x 12" Round Edge Pressure Treated Deck Boards.....	4.08	1.07
06 15 13 00-0164	LF		2" x 4" Round Edge Cedar Deck Boards.....	1.64	0.54
06 15 13 00-0165	LF		2" x 6" Round Edge Cedar Deck Boards.....	2.16	0.62
06 15 13 00-0166	LF		2" x 4" Round Edge Redwood Deck Boards.....	1.83	0.54
06 15 13 00-0167	LF		2" x 6" Round Edge Redwood Deck Boards.....	2.44	0.62
06 15 13 00-0168			Deck Railing And Pickets (06 15 13 00-0154)		
06 15 13 00-0169	LF		2" x 4" Pressure Treated Deck Railing.....	1.50	0.54
06 15 13 00-0170	LF		2" x 2" Pressure Treated Deck Railing Picket.....	0.97	0.42
06 15 13 00-0171	LF		2" x 4" Cedar Deck Railing.....	1.64	0.54
06 15 13 00-0172	LF		2" x 2" Cedar Deck Railing Picket.....	1.22	0.42
06 15 13 00-0173	LF		2" x 4" Redwood Deck Railing.....	1.83	0.54
06 15 13 00-0174	LF		2" x 2" Redwood Deck Railing Picket.....	1.36	0.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0175 Deck Posts <small>(06 15 13 00-0154)</small> See CSI section 06 11 16 00-0069 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.		
06 16 Sheathing <small>(06 10)</small>		
06 16 23 Subflooring <small>(06 16)</small>		
06 16 23 00-0001 Board Type Subflooring <small>(06 16 23)</small>		
06 16 23 00-0002 SF 1" x 8" Regular Surface Board Type Subfloor..... Note: 4 Sides Laid In A Regular Pattern. For Water Resistant Coating Or Treatment, Add For Foil Backing, Add For Tongue And Groove, Add	1.75 0.04 0.07 0.05	0.47
06 16 23 00-0003 SF 1" x 8" Diagonal Surface Board Type Subfloor Note: 4 Sides Laid In A Diagonal Pattern. For Water Resistant Coating Or Treatment, Add For Foil Backing, Add For Tongue And Groove, Add	1.96 0.04 0.07 0.05	0.59
06 16 23 00-0004 SF 1" x 10" Regular Surface Board Type Subfloor Note: 4 sides laid in a regular pattern. For Water Resistant Coating Or Treatment, Add For Foil Backing, Add For Tongue And Groove, Add	1.69 0.04 0.07 0.05	0.42
06 16 23 00-0005 SF 1" x 10" Diagonal Surface Board Type Subfloor Note: 4 sides laid in a diagonal pattern. For Water Resistant Coating Or Treatment, Add For Foil Backing, Add For Tongue And Groove, Add	1.83 0.04 0.07 0.05	0.47
06 16 33 Wood Board Sheathing <small>(06 16)</small>		
06 16 33 00-0001 Plywood <small>(06 16 33)</small>		
06 16 33 00-0002 Roof Decking <small>(06 16 33 00-0001)</small>		
06 16 33 00-0003 SF 3/8" Thick CDX Plywood Roof Decking Note: Applied to wood rafters. For Shear Wall Construction, Add For Exterior CC Grade Plywood, Add For Application To Metal Studs, Joists, Or Rafters, Add For ACQ Preservative Treatment, Add For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct	1.12 0.14 0.06 0.14 0.21 1.04 0.34 -0.01 -0.02 -0.03	0.30
06 16 33 00-0004 SF 1/2" Thick CDX Plywood Roof Decking Note: Applied to wood rafters. For Shear Wall Construction, Add For Exterior CC Grade Plywood, Add For Application To Metal Studs, Joists, Or Rafters, Add For ACQ Preservative Treatment, Add For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct	1.28 0.15 0.08 0.15 0.25 1.14 0.41 -0.01 -0.02 -0.03	0.36
06 16 33 00-0005 SF 5/8" Thick CDX Plywood Roof Decking Note: Applied to wood rafters. For Shear Wall Construction, Add For Exterior CC Grade Plywood, Add For Application To Metal Studs, Joists, Or Rafters, Add For ACQ Preservative Treatment, Add For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For Tongue And Groove, Add	1.46 0.16 0.10 0.16 0.31 1.23 0.51 -0.01 -0.03 -0.04 0.04	0.36
06 16 33 00-0006 SF 3/4" Thick CDX Plywood Roof Decking Note: Applied to wood rafters. For Shear Wall Construction, Add For Exterior CC Grade Plywood, Add For Application To Metal Studs, Joists, Or Rafters, Add For ACQ Preservative Treatment, Add For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For Tongue And Groove, Add	1.62 0.18 0.11 0.18 0.36 1.32 0.58 -0.01 -0.03 -0.04 0.05	0.42

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0007	SF		1" Thick CDX Plywood Roof Decking..... Note: Applied to wood rafters.	1.96	0.47
			<i>For Shear Wall Construction, Add</i>	0.19	
			<i>For Exterior CC Grade Plywood, Add</i>	0.15	
			<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.19	
			<i>For ACQ Preservative Treatment, Add</i>	0.48	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	1.44	
			<i>For Fire Retardant Treatment, Add</i>	0.79	
			<i>For >3,200 To 6,400, Deduct</i>	-0.02	
			<i>For >6,400 To 12,800, Deduct</i>	-0.04	
			<i>For >12,800, Deduct</i>	-0.06	
			<i>For Tongue And Groove, Add</i>	0.07	
06 16 33 00-0008			Wall Sheathing <small>(06 16 33 00-0001)</small>		
06 16 33 00-0009	SF		1/4" Interior BC Plywood Wall Sheathing..... Note: Applied to wall studs.	1.30	0.42
			<i>For Shear Wall Construction, Add</i>	0.18	
			<i>For Exterior CC Grade Plywood, Add</i>	0.06	
			<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.18	
			<i>For Ceiling Installation, Add</i>	0.09	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	1.32	
			<i>For Fire Retardant Treatment, Add</i>	0.33	
			<i>For >3,200 To 6,400, Deduct</i>	-0.01	
			<i>For >6,400 To 12,800, Deduct</i>	-0.02	
			<i>For >12,800, Deduct</i>	-0.03	
06 16 33 00-0010	SF		5/16" Interior BC Plywood Wall Sheathing..... Note: Applied to wall studs.	1.32	0.42
			<i>For Shear Wall Construction, Add</i>	0.18	
			<i>For Exterior CC Grade Plywood, Add</i>	0.07	
			<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.18	
			<i>For Ceiling Installation, Add</i>	0.09	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	1.32	
			<i>For Fire Retardant Treatment, Add</i>	0.35	
			<i>For >3,200 To 6,400, Deduct</i>	-0.01	
			<i>For >6,400 To 12,800, Deduct</i>	-0.02	
			<i>For >12,800, Deduct</i>	-0.03	
06 16 33 00-0011	SF		3/8" Interior BC Plywood Wall Sheathing..... Note: Applied to wall studs.	1.36	0.47
			<i>For Shear Wall Construction, Add</i>	0.18	
			<i>For Exterior CC Grade Plywood, Add</i>	0.07	
			<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.18	
			<i>For Ceiling Installation, Add</i>	0.09	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	1.32	
			<i>For Fire Retardant Treatment, Add</i>	0.38	
			<i>For >3,200 To 6,400, Deduct</i>	-0.01	
			<i>For >6,400 To 12,800, Deduct</i>	-0.02	
			<i>For >12,800, Deduct</i>	-0.03	
06 16 33 00-0012	SF		1/2" Interior BC Plywood Wall Sheathing..... Note: Applied to wall studs.	1.55	0.47
			<i>For Shear Wall Construction, Add</i>	0.19	
			<i>For Exterior CC Grade Plywood, Add</i>	0.09	
			<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.19	
			<i>For Ceiling Installation, Add</i>	0.09	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	1.41	
			<i>For Fire Retardant Treatment, Add</i>	0.48	
			<i>For >3,200 To 6,400, Deduct</i>	-0.01	
			<i>For >6,400 To 12,800, Deduct</i>	-0.02	
			<i>For >12,800, Deduct</i>	-0.04	
06 16 33 00-0013	SF		5/8" Interior BC Plywood Wall Sheathing..... Note: Applied to wall studs.	1.74	0.53
			<i>For Shear Wall Construction, Add</i>	0.20	
			<i>For Exterior CC Grade Plywood, Add</i>	0.11	
			<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.20	
			<i>For Ceiling Installation, Add</i>	0.10	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	1.52	
			<i>For Fire Retardant Treatment, Add</i>	0.58	
			<i>For >3,200 To 6,400, Deduct</i>	-0.01	
			<i>For >6,400 To 12,800, Deduct</i>	-0.03	
			<i>For >12,800, Deduct</i>	-0.04	
06 16 33 00-0014	SF		3/4" Interior BC Plywood Wall Sheathing..... Note: Applied to wall studs.	1.92	0.59
			<i>For Shear Wall Construction, Add</i>	0.22	
			<i>For Exterior CC Grade Plywood, Add</i>	0.12	
			<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.22	
			<i>For Ceiling Installation, Add</i>	0.11	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	1.64	
			<i>For Fire Retardant Treatment, Add</i>	0.66	
			<i>For >3,200 To 6,400, Deduct</i>	-0.02	
			<i>For >6,400 To 12,800, Deduct</i>	-0.03	
			<i>For >12,800, Deduct</i>	-0.05	
06 16 33 00-0015			Floor Decking <small>(06 16 33 00-0001)</small>		
			Note: Includes patching of seams and all fastener holes where necessary.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0016 SF 1/2" AC Fir Plywood Floor Decking.....	1.48	0.36
Note: Applied to floor or joists.		
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.11	
For Fire Retardant Treatment, Add	0.58	
For >3,200 To 6,400, Deduct	-0.01	
For >6,400 To 12,800, Deduct	-0.03	
For >12,800, Deduct	-0.04	
For ACQ Preservative Treatment, Add	0.36	
For Exterior Glue, Add	0.07	
For Marine Grade, Add	0.58	
For Tongue And Groove, Add	0.05	
06 16 33 00-0017 SF 5/8" AC Fir Plywood Floor Decking.....	1.67	0.36
Note: Applied to floor or joists.		
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.22	
For Fire Retardant Treatment, Add	0.68	
For >3,200 To 6,400, Deduct	-0.02	
For >6,400 To 12,800, Deduct	-0.03	
For >12,800, Deduct	-0.05	
For ACQ Preservative Treatment, Add	0.41	
For Exterior Glue, Add	0.08	
For Marine Grade, Add	0.67	
For Tongue And Groove, Add	0.06	
06 16 33 00-0018 SF 3/4" AC Fir Plywood Floor Decking.....	1.78	0.36
Note: Applied to floor or joists.		
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.28	
For Fire Retardant Treatment, Add	0.73	
For >3,200 To 6,400, Deduct	-0.02	
For >6,400 To 12,800, Deduct	-0.04	
For >12,800, Deduct	-0.06	
For ACQ Preservative Treatment, Add	0.45	
For Exterior Glue, Add	0.09	
For Marine Grade, Add	0.73	
For Tongue And Groove, Add	0.07	
06 16 33 00-0019 Underlayment Grade Subfloor <small>(06 16 33 00-0001)</small>		
Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0020 SF 1/4" Thick Plywood Underlayment BC Grade Subfloor	1.05	0.36
For Fire Retardant Treatment, Add	0.29	
For >3,200 To 6,400, Deduct	-0.01	
For >6,400 To 12,800, Deduct	-0.01	
For >12,800, Deduct	-0.02	
06 16 33 00-0021 SF 3/8" Thick Plywood Underlayment BC Grade Subfloor	1.13	0.36
For Fire Retardant Treatment, Add	0.32	
For >3,200 To 6,400, Deduct	-0.01	
For >6,400 To 12,800, Deduct	-0.02	
For >12,800, Deduct	-0.02	
06 16 33 00-0022 SF 1/2" Thick Plywood Underlayment BC Grade Subfloor	1.18	0.42
For Fire Retardant Treatment, Add	0.35	
For >3,200 To 6,400, Deduct	-0.01	
For >6,400 To 12,800, Deduct	-0.02	
For >12,800, Deduct	-0.03	
06 16 33 00-0023 SF 5/8" Thick Plywood Underlayment BC Grade Subfloor	1.35	0.42
For Fire Retardant Treatment, Add	0.42	
For >3,200 To 6,400, Deduct	-0.01	
For >6,400 To 12,800, Deduct	-0.02	
For >12,800, Deduct	-0.03	
For Tongue And Groove, Add	0.04	
06 16 33 00-0024 SF 3/4" Thick Plywood Underlayment BC Grade Subfloor	1.46	0.42
For Fire Retardant Treatment, Add	0.51	
For >3,200 To 6,400, Deduct	-0.01	
For >6,400 To 12,800, Deduct	-0.03	
For >12,800, Deduct	-0.04	
For Tongue And Groove, Add	0.04	
06 16 33 00-0025 SF 1-1/8" Thick Plywood Underlayment BC Grade Subfloor	1.89	0.47
For Fire Retardant Treatment, Add	0.77	
For >3,200 To 6,400, Deduct	-0.02	
For >6,400 To 12,800, Deduct	-0.04	
For >12,800, Deduct	-0.06	
For Tongue And Groove, Add	0.07	
06 16 33 00-0026 SF 3/8" Thick Plywood CDX Grade Subfloor.....	1.22	0.36
For Fire Retardant Treatment, Add	0.40	
For >3,200 To 6,400, Deduct	-0.01	
For >6,400 To 12,800, Deduct	-0.02	
For >12,800, Deduct	-0.03	
06 16 33 00-0027 SF 5/8" Thick Plywood CDX Grade Subfloor.....	1.57	0.42
For Fire Retardant Treatment, Add	0.60	
For >3,200 To 6,400, Deduct	-0.02	
For >6,400 To 12,800, Deduct	-0.03	
For >12,800, Deduct	-0.05	
06 16 33 00-0028 Oriented Strand Board <small>(06 16 33)</small>		
06 16 33 00-0029 On Roof <small>(06 16 33 00-0028)</small>		

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0030	SF		3/8" Thick Structural Oriented Strand Board On Roof.....	0.91	0.36
			<i>For >3,200 To 6,400, Deduct</i>	0.00	
			<i>For >6,400 To 12,800, Deduct</i>	-0.01	
			<i>For >12,800, Deduct</i>	-0.01	
			<i>For Fire Retardant Treatment, Add</i>	0.17	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.04	
06 16 33 00-0031	SF		1/2" Thick Structural Oriented Strand Board On Roof.....	1.01	0.36
			<i>For >3,200 To 6,400, Deduct</i>	-0.01	
			<i>For >6,400 To 12,800, Deduct</i>	-0.01	
			<i>For >12,800, Deduct</i>	-0.02	
			<i>For Fire Retardant Treatment, Add</i>	0.20	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.14	
06 16 33 00-0032	SF		5/8" Thick Structural Oriented Strand Board On Roof.....	1.19	0.42
			<i>For >3,200 To 6,400, Deduct</i>	-0.01	
			<i>For >6,400 To 12,800, Deduct</i>	-0.01	
			<i>For >12,800, Deduct</i>	-0.02	
			<i>For Fire Retardant Treatment, Add</i>	0.29	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.23	
06 16 33 00-0033	SF		3/4" Thick Structural Oriented Strand Board On Roof.....	1.37	0.42
			<i>For >3,200 To 6,400, Deduct</i>	-0.01	
			<i>For >6,400 To 12,800, Deduct</i>	-0.02	
			<i>For >12,800, Deduct</i>	-0.03	
			<i>For Fire Retardant Treatment, Add</i>	0.39	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.32	
06 16 33 00-0034			On Walls <small>(06 16 33 00-0028)</small>		
06 16 33 00-0035	SF		3/8" Thick Structural Oriented Strand Board On Walls	1.10	0.42
			<i>For >3,200 To 6,400, Deduct</i>	0.00	
			<i>For >6,400 To 12,800, Deduct</i>	-0.01	
			<i>For >12,800, Deduct</i>	-0.01	
			<i>For Fire Retardant Treatment, Add</i>	0.17	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.32	
06 16 33 00-0036	SF		1/2" Thick Structural Oriented Strand Board On Walls	1.19	0.47
			<i>For >3,200 To 6,400, Deduct</i>	-0.01	
			<i>For >6,400 To 12,800, Deduct</i>	-0.01	
			<i>For >12,800, Deduct</i>	-0.02	
			<i>For Fire Retardant Treatment, Add</i>	0.20	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.41	
06 16 33 00-0037	SF		5/8" Thick Structural Oriented Strand Board On Walls	1.38	0.53
			<i>For >3,200 To 6,400, Deduct</i>	-0.01	
			<i>For >6,400 To 12,800, Deduct</i>	-0.01	
			<i>For >12,800, Deduct</i>	-0.02	
			<i>For Fire Retardant Treatment, Add</i>	0.29	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.52	
06 16 33 00-0038	SF		3/4" Thick Structural Oriented Strand Board On Walls	1.58	0.53
			<i>For >3,200 To 6,400, Deduct</i>	-0.01	
			<i>For >6,400 To 12,800, Deduct</i>	-0.02	
			<i>For >12,800, Deduct</i>	-0.03	
			<i>For Fire Retardant Treatment, Add</i>	0.39	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.64	
06 16 33 00-0039			On Floors <small>(06 16 33 00-0028)</small>		
			Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0040	SF		3/8" Thick Structural Oriented Strand Board On Floors	0.94	0.36
			<i>For >3,200 To 6,400, Deduct</i>	0.00	
			<i>For >6,400 To 12,800, Deduct</i>	-0.01	
			<i>For >12,800, Deduct</i>	-0.01	
			<i>For Fire Retardant Treatment, Add</i>	0.17	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.08	
06 16 33 00-0041	SF		1/2" Thick Structural Oriented Strand Board On Floors	1.10	0.42
			<i>For >3,200 To 6,400, Deduct</i>	-0.01	
			<i>For >6,400 To 12,800, Deduct</i>	-0.01	
			<i>For >12,800, Deduct</i>	-0.02	
			<i>For Fire Retardant Treatment, Add</i>	0.20	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.28	
06 16 33 00-0042	SF		5/8" Thick Structural Oriented Strand Board On Floors	1.30	0.47
			<i>For >3,200 To 6,400, Deduct</i>	-0.01	
			<i>For >6,400 To 12,800, Deduct</i>	-0.01	
			<i>For >12,800, Deduct</i>	-0.02	
			<i>For Fire Retardant Treatment, Add</i>	0.29	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.40	
06 16 33 00-0043	SF		3/4" Thick Structural Oriented Strand Board On Floors	1.50	0.53
			<i>For >3,200 To 6,400, Deduct</i>	-0.01	
			<i>For >6,400 To 12,800, Deduct</i>	-0.02	
			<i>For >12,800, Deduct</i>	-0.03	
			<i>For Fire Retardant Treatment, Add</i>	0.39	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.52	
06 16 33 00-0044			Particle Board <small>(06 16 33)</small>		
06 16 33 00-0045			Particle Board Floor Decking <small>(06 16 33 00-0044)</small>		
			Note: Includes patching of seams and all fastener holes where necessary.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0046 SF 3/8" Particle Board Floor Decking..... Note: Applied to plywood subfloor. <i>For Fire Retardant Treatment Add</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	1.03 0.27 -0.01 -0.02 -0.03 0.02	0.30
06 16 33 00-0047 SF 1/2" Particle Board Floor Decking..... Note: Applied to plywood subfloor. <i>For Fire Retardant Treatment Add</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	1.20 0.36 -0.01 -0.02 -0.04 0.03	0.30
06 16 33 00-0048 SF 5/8" Particle Board Floor Decking..... Note: Applied to plywood subfloor. <i>For Fire Retardant Treatment Add</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	1.35 0.45 -0.02 -0.03 -0.05 0.04	0.36
06 16 33 00-0049 SF 3/4" Particle Board Floor Decking..... Note: Applied to plywood subfloor. <i>For Fire Retardant Treatment Add</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	1.50 0.53 -0.02 -0.03 -0.05 0.05	0.36

06 16 43 Gypsum Sheathing (06 16)

06 16 43 00-0001 Exterior Gypsum Sheathing (06 16 43) Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.		
06 16 43 00-0002 SF 1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold)..... <i>For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add</i> <i>For Application To Metal Studs, Joists, Or Rafters, Add</i> <i>For Ceiling Installation, Add</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i>	1.86 1.41 0.19 0.09 -0.02 -0.04 -0.06	0.47
06 16 43 00-0003 SF 5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold)..... <i>For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add</i> <i>For Application To Metal Studs, Joists, Or Rafters, Add</i> <i>For Ceiling Installation, Add</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i>	2.01 1.52 0.20 0.10 -0.02 -0.04 -0.06	0.59

06 17 Shop-Fabricated Structural Wood (06 10)

06 17 13 Laminated Veneer Lumber (06 17)

06 17 13 00-0001 Laminated Veneer Lumber (LVL) (06 17 13)		
06 17 13 00-0002 LF 1-3/4" Wide x 5-1/2" Deep Laminated Veneer Lumber (LVL).....	4.75	1.02
06 17 13 00-0003 LF 1-3/4" Wide x 7-1/4" Deep Laminated Veneer Lumber (LVL).....	5.26	1.04
06 17 13 00-0004 LF 1-3/4" Wide x 9-1/2" Deep Laminated Veneer Lumber (LVL).....	5.87	1.05
06 17 13 00-0005 LF 1-3/4" Wide x 11-7/8" Deep Laminated Veneer Lumber (LVL).....	6.63	1.07
06 17 13 00-0006 LF 1-3/4" Wide x 14" Deep Laminated Veneer Lumber (LVL).....	7.19	1.09
06 17 13 00-0007 LF 1-3/4" Wide x 16" Deep Laminated Veneer Lumber (LVL).....	7.99	1.12
06 17 13 00-0008 LF 1-3/4" Wide x 18" Deep Laminated Veneer Lumber (LVL).....	9.14	1.14
06 17 13 00-0009 LF 1-3/4" Wide x 24" Deep Laminated Veneer Lumber (LVL).....	12.69	1.30

06 17 23 Parallel Strand Lumber (06 17)

06 17 23 00-0001 Laminated Strand Lumber (LSL) (06 17 23)		
06 17 23 00-0002 LF 2" x 4" Laminated Strand Lumber (LSL).....	1.66	0.47
06 17 23 00-0003 LF 2" x 6" Laminated Strand Lumber (LSL).....	2.30	0.50

06 17 33 Wood I-Joists (06 17)

06 17 33 00-0001 Prefabricated Wood I-Joists (06 17 33)		
06 17 33 00-0002 LF 9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length..... <i>For I-Joists 30' To 40' In Length, Add</i> <i>For I-Joists >40' In Length, Add</i>	3.10 0.33 0.81	0.75
06 17 33 00-0003 LF 11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length..... <i>For I-Joists 30' To 40' In Length, Add</i> <i>For I-Joists >40' In Length, Add</i>	3.31 0.37 0.90	0.83
06 17 33 00-0004 LF 14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length..... <i>For I-Joists 30' To 40' In Length, Add</i> <i>For I-Joists >40' In Length, Add</i>	3.90 0.41 1.01	0.94

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 33 00-0005	LF		16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	4.41	1.04
			<i>For I-Joists 30' To 40' In Length, Add</i>	0.46	
			<i>For I-Joists >40' In Length, Add</i>	1.13	
06 17 43 Rim Boards <small>(06 17)</small>					
06 17 43 00-0001			Oriented Strand Board (OSB) Rim Board <small>(06 17 43)</small>		
06 17 43 00-0002	LF		1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board.....	3.72	1.05
06 17 43 00-0003	LF		1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board.....	4.12	1.07
06 17 43 00-0004	LF		1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board.....	4.59	1.09
06 17 53 Shop-Fabricated Wood Trusses <small>(06 17)</small>					
06 17 53 00-0001			Pre-Assembled Wood Roof Trusses <small>(06 17 53)</small>		
			Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.		
06 17 53 00-0002	EA		10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	117.05	43.80
			<i>For Up To 15, Add</i>	2.21	
			<i>For >35, Deduct</i>	-1.47	
			<i>For 3 In 12 Slope, Add</i>	0.88	
			<i>For 5 In 12 Slope, Add</i>	2.36	
			<i>For 6 In 12 Slope, Add</i>	4.42	
			<i>For 7 In 12 Slope, Add</i>	5.89	
			<i>For 8 In 12 Slope, Add</i>	7.07	
06 17 53 00-0003	EA		12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	130.34	47.97
			<i>For Up To 15, Add</i>	2.58	
			<i>For >35, Deduct</i>	-1.72	
			<i>For 3 In 12 Slope, Add</i>	1.03	
			<i>For 5 In 12 Slope, Add</i>	2.75	
			<i>For 6 In 12 Slope, Add</i>	5.16	
			<i>For 7 In 12 Slope, Add</i>	6.88	
			<i>For 8 In 12 Slope, Add</i>	8.25	
06 17 53 00-0004	EA		14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	145.67	52.14
			<i>For Up To 15, Add</i>	3.10	
			<i>For >35, Deduct</i>	-2.07	
			<i>For 3 In 12 Slope, Add</i>	1.24	
			<i>For 5 In 12 Slope, Add</i>	3.31	
			<i>For 6 In 12 Slope, Add</i>	6.21	
			<i>For 7 In 12 Slope, Add</i>	8.28	
			<i>For 8 In 12 Slope, Add</i>	9.93	
06 17 53 00-0005	EA		16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	166.41	56.31
			<i>For Up To 15, Add</i>	4.03	
			<i>For >35, Deduct</i>	-2.69	
			<i>For 3 In 12 Slope, Add</i>	1.61	
			<i>For 5 In 12 Slope, Add</i>	4.30	
			<i>For 6 In 12 Slope, Add</i>	8.07	
			<i>For 7 In 12 Slope, Add</i>	10.76	
			<i>For 8 In 12 Slope, Add</i>	12.91	
06 17 53 00-0006	EA		18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	184.05	60.48
			<i>For Up To 15, Add</i>	4.73	
			<i>For >35, Deduct</i>	-3.15	
			<i>For 3 In 12 Slope, Add</i>	1.89	
			<i>For 5 In 12 Slope, Add</i>	5.05	
			<i>For 6 In 12 Slope, Add</i>	9.46	
			<i>For 7 In 12 Slope, Add</i>	12.61	
			<i>For 8 In 12 Slope, Add</i>	15.14	
06 17 53 00-0007	EA		20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	192.38	66.74
			<i>For Up To 15, Add</i>	4.42	
			<i>For >35, Deduct</i>	-2.94	
			<i>For 3 In 12 Slope, Add</i>	1.77	
			<i>For 5 In 12 Slope, Add</i>	4.71	
			<i>For 6 In 12 Slope, Add</i>	8.83	
			<i>For 7 In 12 Slope, Add</i>	11.78	
			<i>For 8 In 12 Slope, Add</i>	14.13	
06 17 53 00-0008	EA		22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	202.43	106.37
			<i>For Up To 15, Add</i>	4.55	
			<i>For >35, Deduct</i>	-3.03	
			<i>For 3 In 12 Slope, Add</i>	1.82	
			<i>For 5 In 12 Slope, Add</i>	4.85	
			<i>For 6 In 12 Slope, Add</i>	9.09	
			<i>For 7 In 12 Slope, Add</i>	12.12	
			<i>For 8 In 12 Slope, Add</i>	14.54	
06 17 53 00-0009	EA		24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	215.91	75.09
			<i>For Up To 15, Add</i>	4.93	
			<i>For >35, Deduct</i>	-3.29	
			<i>For 3 In 12 Slope, Add</i>	1.97	
			<i>For 5 In 12 Slope, Add</i>	5.26	
			<i>For 6 In 12 Slope, Add</i>	9.86	
			<i>For 7 In 12 Slope, Add</i>	13.15	
			<i>For 8 In 12 Slope, Add</i>	15.78	



Wood, Plastics, and Composites	06	06
Rough Carpentry	06 10	
Shop-Fabricated Structural Wood	06 17	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0010 EA 26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	229.96	118.89
For Up To 15, Add	5.36	
For >35, Deduct	-3.57	
For 3 In 12 Slope, Add	2.14	
For 5 In 12 Slope, Add	5.72	
For 6 In 12 Slope, Add	10.72	
For 7 In 12 Slope, Add	14.29	
For 8 In 12 Slope, Add	17.15	
06 17 53 00-0011 EA 28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	244.74	83.43
For Up To 15, Add	5.84	
For >35, Deduct	-3.89	
For 3 In 12 Slope, Add	2.34	
For 5 In 12 Slope, Add	6.23	
For 6 In 12 Slope, Add	11.68	
For 7 In 12 Slope, Add	15.57	
For 8 In 12 Slope, Add	18.69	
06 17 53 00-0012 EA 30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	255.55	131.41
For Up To 15, Add	6.03	
For >35, Deduct	-4.02	
For 3 In 12 Slope, Add	2.41	
For 5 In 12 Slope, Add	6.43	
For 6 In 12 Slope, Add	12.05	
For 7 In 12 Slope, Add	16.07	
For 8 In 12 Slope, Add	19.28	
06 17 53 00-0013 EA 32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	267.75	89.69
For Up To 15, Add	6.63	
For >35, Deduct	-4.42	
For 3 In 12 Slope, Add	2.65	
For 5 In 12 Slope, Add	7.07	
For 6 In 12 Slope, Add	13.26	
For 7 In 12 Slope, Add	17.67	
For 8 In 12 Slope, Add	21.21	
06 17 53 00-0014 EA 34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	293.68	140.83
For Up To 15, Add	7.95	
For >35, Deduct	-5.30	
For 3 In 12 Slope, Add	3.18	
For 5 In 12 Slope, Add	8.48	
For 6 In 12 Slope, Add	15.89	
For 7 In 12 Slope, Add	21.19	
For 8 In 12 Slope, Add	25.43	
06 17 53 00-0015 EA 36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	306.19	95.95
For Up To 15, Add	8.57	
For >35, Deduct	-5.72	
For 3 In 12 Slope, Add	3.43	
For 5 In 12 Slope, Add	9.14	
For 6 In 12 Slope, Add	17.15	
For 7 In 12 Slope, Add	22.86	
For 8 In 12 Slope, Add	27.43	
06 17 53 00-0016 EA 38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	322.34	150.17
For Up To 15, Add	9.16	
For >35, Deduct	-6.11	
For 3 In 12 Slope, Add	3.66	
For 5 In 12 Slope, Add	9.77	
For 6 In 12 Slope, Add	18.32	
For 7 In 12 Slope, Add	24.42	
For 8 In 12 Slope, Add	29.31	
06 17 53 00-0017 EA 40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	333.29	104.29
For Up To 15, Add	9.35	
For >35, Deduct	-6.24	
For 3 In 12 Slope, Add	3.74	
For 5 In 12 Slope, Add	9.98	
For 6 In 12 Slope, Add	18.71	
For 7 In 12 Slope, Add	24.94	
For 8 In 12 Slope, Add	29.93	
06 17 53 00-0018 EA 42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	368.02	162.69
For Up To 15, Add	11.33	
For >35, Deduct	-7.56	
For 3 In 12 Slope, Add	4.53	
For 5 In 12 Slope, Add	12.09	
For 6 In 12 Slope, Add	22.67	
For 7 In 12 Slope, Add	30.22	
For 8 In 12 Slope, Add	36.26	
06 17 53 00-0019 EA 44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	402.02	112.63
For Up To 15, Add	13.26	
For >35, Deduct	-8.84	
For 3 In 12 Slope, Add	5.30	
For 5 In 12 Slope, Add	14.14	
For 6 In 12 Slope, Add	26.51	
For 7 In 12 Slope, Add	35.35	
For 8 In 12 Slope, Add	42.42	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0020	EA		46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	416.06	116.80
			<i>For Up To 15, Add</i>	13.68	
			<i>For >35, Deduct</i>	-9.12	
			<i>For 3 In 12 Slope, Add</i>	5.47	
			<i>For 5 In 12 Slope, Add</i>	14.60	
			<i>For 6 In 12 Slope, Add</i>	27.37	
			<i>For 7 In 12 Slope, Add</i>	36.49	
			<i>For 8 In 12 Slope, Add</i>	43.79	
06 17 53 00-0021	EA		48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	436.98	120.98
			<i>For Up To 15, Add</i>	14.63	
			<i>For >35, Deduct</i>	-9.75	
			<i>For 3 In 12 Slope, Add</i>	5.85	
			<i>For 5 In 12 Slope, Add</i>	15.60	
			<i>For 6 In 12 Slope, Add</i>	29.25	
			<i>For 7 In 12 Slope, Add</i>	39.01	
			<i>For 8 In 12 Slope, Add</i>	46.81	
06 17 53 00-0022	EA		50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	499.93	125.15
			<i>For Up To 15, Add</i>	18.72	
			<i>For >35, Deduct</i>	-12.48	
			<i>For 3 In 12 Slope, Add</i>	7.49	
			<i>For 5 In 12 Slope, Add</i>	19.97	
			<i>For 6 In 12 Slope, Add</i>	37.45	
			<i>For 7 In 12 Slope, Add</i>	49.93	
			<i>For 8 In 12 Slope, Add</i>	59.91	
06 17 53 00-0023	EA		52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	473.57	112.55
			<i>For Up To 15, Add</i>	16.75	
			<i>For >35, Deduct</i>	-11.16	
			<i>For 3 In 12 Slope, Add</i>	6.70	
			<i>For 5 In 12 Slope, Add</i>	17.86	
			<i>For 6 In 12 Slope, Add</i>	33.49	
			<i>For 7 In 12 Slope, Add</i>	44.66	
			<i>For 8 In 12 Slope, Add</i>	53.59	
06 17 53 00-0024	EA		54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	496.88	131.41
			<i>For Up To 15, Add</i>	17.56	
			<i>For >35, Deduct</i>	-11.70	
			<i>For 3 In 12 Slope, Add</i>	7.02	
			<i>For 5 In 12 Slope, Add</i>	18.73	
			<i>For 6 In 12 Slope, Add</i>	35.11	
			<i>For 7 In 12 Slope, Add</i>	46.81	
			<i>For 8 In 12 Slope, Add</i>	56.18	
06 17 53 00-0025	EA		56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	516.72	121.81
			<i>For Up To 15, Add</i>	18.42	
			<i>For >35, Deduct</i>	-12.28	
			<i>For 3 In 12 Slope, Add</i>	7.37	
			<i>For 5 In 12 Slope, Add</i>	19.65	
			<i>For 6 In 12 Slope, Add</i>	36.84	
			<i>For 7 In 12 Slope, Add</i>	49.11	
			<i>For 8 In 12 Slope, Add</i>	58.94	
06 17 53 00-0026	EA		58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	534.53	137.66
			<i>For Up To 15, Add</i>	19.44	
			<i>For >35, Deduct</i>	-12.96	
			<i>For 3 In 12 Slope, Add</i>	7.78	
			<i>For 5 In 12 Slope, Add</i>	20.74	
			<i>For 6 In 12 Slope, Add</i>	38.88	
			<i>For 7 In 12 Slope, Add</i>	51.84	
			<i>For 8 In 12 Slope, Add</i>	62.21	
06 17 53 00-0027	EA		60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	545.72	139.75
			<i>For Up To 15, Add</i>	19.97	
			<i>For >35, Deduct</i>	-13.31	
			<i>For 3 In 12 Slope, Add</i>	7.99	
			<i>For 5 In 12 Slope, Add</i>	21.30	
			<i>For 6 In 12 Slope, Add</i>	39.93	
			<i>For 7 In 12 Slope, Add</i>	53.25	
			<i>For 8 In 12 Slope, Add</i>	63.90	
06 17 53 00-0028			Pre-Assembled Wood Gable End Roof Trusses <small>(06 17 53)</small>		
			Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.		
06 17 53 00-0029	EA		10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	120.79	43.80
			<i>For 3 In 12 Slope, Add</i>	1.00	
			<i>For 5 In 12 Slope, Add</i>	2.66	
			<i>For 6 In 12 Slope, Add</i>	4.98	
			<i>For 7 In 12 Slope, Add</i>	6.64	
			<i>For 8 In 12 Slope, Add</i>	7.97	
			<i>For 16" On Center Gable Studs, Add</i>	6.64	
06 17 53 00-0030	EA		12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	134.72	47.97
			<i>For 3 In 12 Slope, Add</i>	1.16	
			<i>For 5 In 12 Slope, Add</i>	3.10	
			<i>For 6 In 12 Slope, Add</i>	5.82	
			<i>For 7 In 12 Slope, Add</i>	7.75	
			<i>For 8 In 12 Slope, Add</i>	9.30	
			<i>For 16" On Center Gable Studs, Add</i>	7.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0031 EA 14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	150.94	52.14
<i>For 3 In 12 Slope, Add</i>	1.40	
<i>For 5 In 12 Slope, Add</i>	3.73	
<i>For 6 In 12 Slope, Add</i>	7.00	
<i>For 7 In 12 Slope, Add</i>	9.33	
<i>For 8 In 12 Slope, Add</i>	11.20	
<i>For 16" On Center Gable Studs, Add</i>	9.33	
06 17 53 00-0032 EA 16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	173.24	56.31
<i>For 3 In 12 Slope, Add</i>	1.82	
<i>For 5 In 12 Slope, Add</i>	4.85	
<i>For 6 In 12 Slope, Add</i>	9.09	
<i>For 7 In 12 Slope, Add</i>	12.12	
<i>For 8 In 12 Slope, Add</i>	14.55	
<i>For 16" On Center Gable Studs, Add</i>	12.12	
06 17 53 00-0033 EA 18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	192.06	60.48
<i>For 3 In 12 Slope, Add</i>	2.13	
<i>For 5 In 12 Slope, Add</i>	5.69	
<i>For 6 In 12 Slope, Add</i>	10.66	
<i>For 7 In 12 Slope, Add</i>	14.22	
<i>For 8 In 12 Slope, Add</i>	17.06	
<i>For 16" On Center Gable Studs, Add</i>	14.22	
06 17 53 00-0034 EA 20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	208.29	66.74
<i>For 3 In 12 Slope, Add</i>	2.24	
<i>For 5 In 12 Slope, Add</i>	5.98	
<i>For 6 In 12 Slope, Add</i>	11.22	
<i>For 7 In 12 Slope, Add</i>	14.96	
<i>For 8 In 12 Slope, Add</i>	17.95	
<i>For 16" On Center Gable Studs, Add</i>	14.96	
06 17 53 00-0035 EA 22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	218.80	70.92
<i>For 3 In 12 Slope, Add</i>	2.31	
<i>For 5 In 12 Slope, Add</i>	6.16	
<i>For 6 In 12 Slope, Add</i>	11.55	
<i>For 7 In 12 Slope, Add</i>	15.39	
<i>For 8 In 12 Slope, Add</i>	18.47	
<i>For 16" On Center Gable Studs, Add</i>	15.39	
06 17 53 00-0036 EA 24' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	233.67	75.09
<i>For 3 In 12 Slope, Add</i>	2.51	
<i>For 5 In 12 Slope, Add</i>	6.68	
<i>For 6 In 12 Slope, Add</i>	12.53	
<i>For 7 In 12 Slope, Add</i>	16.70	
<i>For 8 In 12 Slope, Add</i>	20.04	
<i>For 16" On Center Gable Studs, Add</i>	16.70	
06 17 53 00-0037 EA 26' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	249.25	79.26
<i>For 3 In 12 Slope, Add</i>	2.72	
<i>For 5 In 12 Slope, Add</i>	7.26	
<i>For 6 In 12 Slope, Add</i>	13.61	
<i>For 7 In 12 Slope, Add</i>	18.15	
<i>For 8 In 12 Slope, Add</i>	21.78	
<i>For 16" On Center Gable Studs, Add</i>	18.15	
06 17 53 00-0038 EA 28' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	265.78	83.43
<i>For 3 In 12 Slope, Add</i>	2.97	
<i>For 5 In 12 Slope, Add</i>	7.91	
<i>For 6 In 12 Slope, Add</i>	14.84	
<i>For 7 In 12 Slope, Add</i>	19.78	
<i>For 8 In 12 Slope, Add</i>	23.74	
<i>For 16" On Center Gable Studs, Add</i>	19.78	
06 17 53 00-0039 EA 30' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	278.12	87.60
<i>For 3 In 12 Slope, Add</i>	3.09	
<i>For 5 In 12 Slope, Add</i>	8.23	
<i>For 6 In 12 Slope, Add</i>	15.44	
<i>For 7 In 12 Slope, Add</i>	20.58	
<i>For 8 In 12 Slope, Add</i>	24.70	
<i>For 16" On Center Gable Studs, Add</i>	20.58	
06 17 53 00-0040 EA 32' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	292.59	89.69
<i>For 3 In 12 Slope, Add</i>	3.40	
<i>For 5 In 12 Slope, Add</i>	9.06	
<i>For 6 In 12 Slope, Add</i>	16.98	
<i>For 7 In 12 Slope, Add</i>	22.64	
<i>For 8 In 12 Slope, Add</i>	27.17	
<i>For 16" On Center Gable Studs, Add</i>	22.64	
06 17 53 00-0041 EA 34' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	323.45	93.86
<i>For 3 In 12 Slope, Add</i>	4.07	
<i>For 5 In 12 Slope, Add</i>	10.86	
<i>For 6 In 12 Slope, Add</i>	20.36	
<i>For 7 In 12 Slope, Add</i>	27.15	
<i>For 8 In 12 Slope, Add</i>	32.58	
<i>For 16" On Center Gable Studs, Add</i>	27.15	
06 17 53 00-0042 EA 36' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	338.32	95.95
<i>For 3 In 12 Slope, Add</i>	4.39	
<i>For 5 In 12 Slope, Add</i>	11.71	
<i>For 6 In 12 Slope, Add</i>	21.96	
<i>For 7 In 12 Slope, Add</i>	29.29	
<i>For 8 In 12 Slope, Add</i>	35.14	
<i>For 16" On Center Gable Studs, Add</i>	29.29	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0043 EA 38' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	356.65	100.12
For 3 In 12 Slope, Add	4.69	
For 5 In 12 Slope, Add	12.51	
For 6 In 12 Slope, Add	23.46	
For 7 In 12 Slope, Add	31.28	
For 8 In 12 Slope, Add	37.54	
For 16" On Center Gable Studs, Add	31.28	
06 17 53 00-0044 EA 40' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	378.41	104.29
For 3 In 12 Slope, Add	5.10	
For 5 In 12 Slope, Add	13.59	
For 6 In 12 Slope, Add	25.48	
For 7 In 12 Slope, Add	33.97	
For 8 In 12 Slope, Add	40.76	
For 16" On Center Gable Studs, Add	33.97	
06 17 53 00-0045 EA 42' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	422.67	108.46
For 3 In 12 Slope, Add	6.17	
For 5 In 12 Slope, Add	16.46	
For 6 In 12 Slope, Add	30.86	
For 7 In 12 Slope, Add	41.15	
For 8 In 12 Slope, Add	49.38	
For 16" On Center Gable Studs, Add	41.15	
06 17 53 00-0046 EA 44' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	465.96	112.63
For 3 In 12 Slope, Add	7.22	
For 5 In 12 Slope, Add	19.26	
For 6 In 12 Slope, Add	36.10	
For 7 In 12 Slope, Add	48.14	
For 8 In 12 Slope, Add	57.77	
For 16" On Center Gable Studs, Add	48.14	
06 17 53 00-0047 EA 46' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	482.05	116.80
For 3 In 12 Slope, Add	7.45	
For 5 In 12 Slope, Add	19.88	
For 6 In 12 Slope, Add	37.27	
For 7 In 12 Slope, Add	49.69	
For 8 In 12 Slope, Add	59.63	
For 16" On Center Gable Studs, Add	49.69	
06 17 53 00-0048 EA 48' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	507.51	120.98
For 3 In 12 Slope, Add	7.97	
For 5 In 12 Slope, Add	21.24	
For 6 In 12 Slope, Add	39.83	
For 7 In 12 Slope, Add	53.11	
For 8 In 12 Slope, Add	63.73	
For 16" On Center Gable Studs, Add	53.11	
06 17 53 00-0049 EA 50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	555.02	125.15
For 3 In 12 Slope, Add	9.14	
For 5 In 12 Slope, Add	24.38	
For 6 In 12 Slope, Add	45.71	
For 7 In 12 Slope, Add	60.95	
For 8 In 12 Slope, Add	73.14	
For 16" On Center Gable Studs, Add	60.95	
06 17 53 00-0050 EA 52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	567.42	129.32
For 3 In 12 Slope, Add	9.26	
For 5 In 12 Slope, Add	24.70	
For 6 In 12 Slope, Add	46.32	
For 7 In 12 Slope, Add	61.76	
For 8 In 12 Slope, Add	74.11	
For 16" On Center Gable Studs, Add	61.76	
06 17 53 00-0051 EA 54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	586.53	131.41
For 3 In 12 Slope, Add	9.71	
For 5 In 12 Slope, Add	25.90	
For 6 In 12 Slope, Add	48.56	
For 7 In 12 Slope, Add	64.74	
For 8 In 12 Slope, Add	77.69	
For 16" On Center Gable Studs, Add	64.74	
06 17 53 00-0052 EA 56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	610.77	135.58
For 3 In 12 Slope, Add	10.19	
For 5 In 12 Slope, Add	27.17	
For 6 In 12 Slope, Add	50.94	
For 7 In 12 Slope, Add	67.92	
For 8 In 12 Slope, Add	81.51	
For 16" On Center Gable Studs, Add	67.92	
06 17 53 00-0053 EA 58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	633.79	137.66
For 3 In 12 Slope, Add	10.75	
For 5 In 12 Slope, Add	28.68	
For 6 In 12 Slope, Add	53.77	
For 7 In 12 Slope, Add	71.69	
For 8 In 12 Slope, Add	86.03	
For 16" On Center Gable Studs, Add	71.69	
06 17 53 00-0054 EA 60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	647.68	139.75
For 3 In 12 Slope, Add	11.05	
For 5 In 12 Slope, Add	29.46	
For 6 In 12 Slope, Add	55.23	
For 7 In 12 Slope, Add	73.64	
For 8 In 12 Slope, Add	88.37	
For 16" On Center Gable Studs, Add	73.64	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 18 Glued-Laminated Construction (06 10)

06 18 13 Glued-Laminated Beams (06 18)

06 18 13 00-0001 Glue Laminated Straight Beams (06 18 13)

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002	LF	3-1/2" x 6" Glue Laminated Straight Beam	6.30	1.70
06 18 13 00-0003	LF	3-1/2" x 7-1/2" Glue Laminated Straight Beam	7.86	2.12
06 18 13 00-0004	LF	3-1/2" x 9" Glue Laminated Straight Beam	9.44	2.55
06 18 13 00-0005	LF	3-1/2" x 9-1/2" Glue Laminated Straight Beam	9.97	2.70
06 18 13 00-0006	LF	3-1/2" x 10-1/2" Glue Laminated Straight Beam	11.02	2.97
06 18 13 00-0007	LF	3-1/2" x 12" Glue Laminated Straight Beam	12.58	3.40
06 18 13 00-0008	LF	3-1/2" x 13-1/2" Glue Laminated Straight Beam	14.17	3.83
06 18 13 00-0009	LF	3-1/2" x 14" Glue Laminated Straight Beam	14.69	3.97
06 18 13 00-0010	LF	3-1/2" x 15" Glue Laminated Straight Beam	15.75	4.25
06 18 13 00-0011	LF	3-1/2" x 16" Glue Laminated Straight Beam	16.78	4.54
06 18 13 00-0012	LF	3-1/2" x 16-1/2" Glue Laminated Straight Beam	17.32	4.68
06 18 13 00-0013	LF	3-1/2" x 18" Glue Laminated Straight Beam	18.89	5.10
06 18 13 00-0014	LF	3-1/2" x 19-1/2" Glue Laminated Straight Beam	20.46	5.53
06 18 13 00-0015	LF	3-1/2" x 21" Glue Laminated Straight Beam	22.02	5.95
06 18 13 00-0016	LF	3-1/2" x 22.5" Glue Laminated Straight Beam	23.61	6.38
06 18 13 00-0017	LF	5-1/2" x 6" Glue Laminated Straight Beam	9.89	2.67
06 18 13 00-0018	LF	5-1/2" x 7-1/2" Glue Laminated Straight Beam	12.37	3.35
06 18 13 00-0019	LF	5-1/2" x 9" Glue Laminated Straight Beam	14.84	4.01
06 18 13 00-0020	LF	5-1/2" x 9-1/2" Glue Laminated Straight Beam	15.66	4.23
06 18 13 00-0021	LF	5-1/2" x 10-1/2" Glue Laminated Straight Beam	17.32	4.68
06 18 13 00-0022	LF	5-1/2" x 12" Glue Laminated Straight Beam	19.78	5.35
06 18 13 00-0023	LF	5-1/2" x 13-1/2" Glue Laminated Straight Beam	22.26	6.02
06 18 13 00-0024	LF	5-1/2" x 14" Glue Laminated Straight Beam	23.08	6.23
06 18 13 00-0025	LF	5-1/2" x 15" Glue Laminated Straight Beam	24.74	6.68
06 18 13 00-0026	LF	5-1/2" x 16" Glue Laminated Straight Beam	26.38	7.13
06 18 13 00-0027	LF	5-1/2" x 16-1/2" Glue Laminated Straight Beam	27.21	7.35
06 18 13 00-0028	LF	5-1/2" x 18" Glue Laminated Straight Beam	29.68	8.02
06 18 13 00-0029	LF	5-1/2" x 19-1/2" Glue Laminated Straight Beam	32.15	8.69
06 18 13 00-0030	LF	5-1/2" x 21" Glue Laminated Straight Beam	34.64	9.35
06 18 13 00-0031	LF	5-1/2" x 22.5" Glue Laminated Straight Beam	37.10	10.03
06 18 13 00-0032	LF	5-1/2" x 24" Glue Laminated Straight Beam	39.58	10.69
06 18 13 00-0033	LF	6-3/4" x 9" Glue Laminated Straight Beam	18.22	4.92
06 18 13 00-0034	LF	6-3/4" x 9-1/2" Glue Laminated Straight Beam	19.22	5.20
06 18 13 00-0035	LF	6-3/4" x 10-1/2" Glue Laminated Straight Beam	21.25	5.74
06 18 13 00-0036	LF	6-3/4" x 12" Glue Laminated Straight Beam	24.29	6.56
06 18 13 00-0037	LF	6-3/4" x 13-1/2" Glue Laminated Straight Beam	27.33	7.38
06 18 13 00-0038	LF	6-3/4" x 14" Glue Laminated Straight Beam	28.33	7.66
06 18 13 00-0039	LF	6-3/4" x 15" Glue Laminated Straight Beam	30.36	8.20
06 18 13 00-0040	LF	6-3/4" x 16" Glue Laminated Straight Beam	32.37	8.74
06 18 13 00-0041	LF	6-3/4" x 16-1/2" Glue Laminated Straight Beam	33.39	9.02
06 18 13 00-0042	LF	6-3/4" x 18" Glue Laminated Straight Beam	36.42	9.84
06 18 13 00-0043	LF	6-3/4" x 19-1/2" Glue Laminated Straight Beam	39.46	10.66
06 18 13 00-0044	LF	6-3/4" x 21" Glue Laminated Straight Beam	42.50	11.48
06 18 13 00-0045	LF	6-3/4" x 22.5" Glue Laminated Straight Beam	45.53	12.30
06 18 13 00-0046	LF	6-3/4" x 24" Glue Laminated Straight Beam	48.56	13.12
06 18 13 00-0047	LF	8-3/4" x 9" Glue Laminated Straight Beam	23.61	6.38
06 18 13 00-0048	LF	8-3/4" x 9-1/2" Glue Laminated Straight Beam	24.92	6.73
06 18 13 00-0049	LF	8-3/4" x 10-1/2" Glue Laminated Straight Beam	27.54	7.45
06 18 13 00-0050	LF	8-3/4" x 12" Glue Laminated Straight Beam	31.47	8.51
06 18 13 00-0051	LF	8-3/4" x 13-1/2" Glue Laminated Straight Beam	35.42	9.57
06 18 13 00-0052	LF	8-3/4" x 14" Glue Laminated Straight Beam	36.72	9.92
06 18 13 00-0053	LF	8-3/4" x 15" Glue Laminated Straight Beam	39.34	10.63
06 18 13 00-0054	LF	8-3/4" x 16" Glue Laminated Straight Beam	41.96	11.34
06 18 13 00-0055	LF	8-3/4" x 16-1/2" Glue Laminated Straight Beam	43.29	11.69
06 18 13 00-0056	LF	8-3/4" x 18" Glue Laminated Straight Beam	47.22	12.76
06 18 13 00-0057	LF	8-3/4" x 19-1/2" Glue Laminated Straight Beam	51.15	13.82
06 18 13 00-0058	LF	8-3/4" x 21" Glue Laminated Straight Beam	55.08	14.88
06 18 13 00-0059	LF	8-3/4" x 22.5" Glue Laminated Straight Beam	59.02	15.95
06 18 13 00-0060	LF	8-3/4" x 24" Glue Laminated Straight Beam	62.96	17.01

06 18 13 00-0061 Glue Laminated Decking (06 18 13)

06 18 13 00-0062	LF	2" - 4" Thick x 4" Wide Glue Laminated Decking	3.11	1.01
06 18 13 00-0063	LF	2" - 4" Thick x 6" Wide Glue Laminated Decking	3.18	1.01
06 18 13 00-0064	LF	2" - 4" Thick x 8" Wide Glue Laminated Decking	3.25	0.96

06 18 16 Glued-Laminated Columns (06 18)

06 18 16 00-0001 Glue Laminated Structural Units (06 18 16)

Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.

06 18 16 00-0002	LF	3-1/4" x 7-1/2" Glue Laminated Purlin Or Column	9.52	2.07
06 18 16 00-0003	LF	3-1/4" x 9-1/4" Glue Laminated Purlin Or Column	10.74	2.30
06 18 16 00-0004	LF	5-1/4" x 9-1/4" Glue Laminated Purlin Or Column	18.89	4.90

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 18 Glued-Laminated Construction**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 18 16 00-0005	LF		5-1/4" x 13" Glue Laminated Purlin Or Column.....	21.97	5.15
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06 20 Finish Carpentry (06)**06 22 Millwork** (06 20)**06 22 13 Standard Pattern Wood Trim** (06 22)**06 22 13 00-0001 Pine Moldings (All Dimensions Are Nominal)** (06 22 13)

06 22 13 00-0002	LF		1/4" x 1-1/4" Wood Lattice Strip.....	1.65	0.58
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.22	
06 22 13 00-0003	LF		1/4" x 1-5/8" Wood Lattice Strip.....	1.73	0.46
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.22	
06 22 13 00-0004	LF		1/4" x 2-1/2" Wood Lattice Strip.....	2.18	0.46
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.22	
06 22 13 00-0005	LF		1/4" x 3-1/2" Wood Lattice Strip.....	2.45	0.46
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.22	

06 22 13 00-0006 Ceilings (All Dimensions Are Nominal) (06 22 13)**06 22 13 00-0007 White Pine** (06 22 13 00-0006)

06 22 13 00-0008	LF		9/16" x 3-5/8" White Pine Crown Or Bed Molding.....	7.68	2.05
			<i>For Birch, Add</i>	1.71	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	2.43	
			<i>For Poplar, Add</i>	0.95	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.67	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.62	
06 22 13 00-0009	LF		1 1/16" x 4-5/8" White Pine Crown Or Bed Molding.....	10.30	2.45
			<i>For Birch, Add</i>	2.44	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	3.41	
			<i>For Poplar, Add</i>	1.36	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.81	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.88	
06 22 13 00-0010	LF		3/4" x 3/4" White Pine Crown Or Bed Molding.....	3.76	1.40
			<i>For Birch, Add</i>	0.51	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	0.87	
			<i>For Poplar, Add</i>	0.28	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.54	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.18	
06 22 13 00-0011	LF		9/16" x 1-5/8" White Pine Crown Or Bed Molding.....	4.27	1.40
			<i>For Birch, Add</i>	0.69	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.10	
			<i>For Poplar, Add</i>	0.39	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.54	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.25	
06 22 13 00-0012	LF		9/16" x 2-1/4" White Pine Crown Or Bed Molding.....	5.60	1.76
			<i>For Birch, Add</i>	0.96	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.50	
			<i>For Poplar, Add</i>	0.54	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.67	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.35	
06 22 13 00-0013	LF		3/4" x 3-1/2" White Pine Crown Or Bed Molding.....	6.45	1.76
			<i>For Birch, Add</i>	1.27	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.88	
			<i>For Poplar, Add</i>	0.71	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.67	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.46	
06 22 13 00-0014	LF		5/8" x 4-1/4" White Pine Crown Or Bed Molding.....	8.02	2.11
			<i>For Birch, Add</i>	1.62	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	2.38	
			<i>For Poplar, Add</i>	0.90	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.81	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.59	
06 22 13 00-0015	LF		1" x 2" White Pine Dentil Molding.....	3.89	1.63
			<i>For Birch, Add</i>	0.56	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	0.93	
			<i>For Poplar, Add</i>	0.31	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.54	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.20	
06 22 13 00-0016	LF		9/16" x 1-3/4" White Pine Cove Molding.....	3.28	1.23
			<i>For Birch, Add</i>	0.55	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	0.86	
			<i>For Poplar, Add</i>	0.30	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.40	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.20	
06 22 13 00-0017	LF		1 1/16" x 2-3/4" White Pine Cove Molding.....	4.91	1.23
			<i>For Birch, Add</i>	1.13	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.59	
			<i>For Poplar, Add</i>	0.63	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.40	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0018 LF 3/8" x 3/8" White Pine Cove Molding	1.94	0.71
For Birch, Add	0.26	
For Mahogany, Oak, Maple Or Walnut, Add	0.45	
For Poplar, Add	0.14	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.28	
For Stain Grade Material (No Finger Joints), Add	0.09	
06 22 13 00-0019 LF 1/2" x 1/2" White Pine Cove Molding	2.12	0.71
For Birch, Add	0.32	
For Mahogany, Oak, Maple Or Walnut, Add	0.53	
For Poplar, Add	0.18	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.28	
For Stain Grade Material (No Finger Joints), Add	0.12	
06 22 13 00-0020 LF 5/8" x 5/8" White Pine Cove Molding	2.82	0.88
For Birch, Add	0.49	
For Mahogany, Oak, Maple Or Walnut, Add	0.76	
For Poplar, Add	0.27	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.34	
For Stain Grade Material (No Finger Joints), Add	0.18	
06 22 13 00-0021 LF 3/4" x 3/4" White Pine Cove Molding	2.82	0.88
For Birch, Add	0.49	
For Mahogany, Oak, Maple Or Walnut, Add	0.76	
For Poplar, Add	0.27	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.34	
For Stain Grade Material (No Finger Joints), Add	0.18	
06 22 13 00-0022 LF 15/16" x 15/16" White Pine Cove Molding	3.65	0.88
For Birch, Add	0.79	
For Mahogany, Oak, Maple Or Walnut, Add	1.13	
For Poplar, Add	0.44	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.34	
For Stain Grade Material (No Finger Joints), Add	0.28	
06 22 13 00-0023 LF 7-1/2" Wide Mullion Covers	23.58	1.05
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.48	
06 22 13 00-0024 LF Three Piece Mullion Trim, 2 Cove Moldings	29.83	1.05
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.48	
06 22 13 00-0025 Cedar Trim <small>(06 22 13 00-0006)</small>		
06 22 13 00-0026 LF 2" x 4" Cedar Ceiling Trim	6.59	2.95
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.98	
06 22 13 00-0027 Oak Trim <small>(06 22 13 00-0006)</small>		
06 22 13 00-0028 LF 1" x 8" Clear Oak Ceiling Trim	6.83	2.72
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.91	
06 22 13 00-0029 Closet Poles <small>(06 22 13)</small>		
06 22 13 00-0030 LF 1-1/8" Diameter Pine Closet Poles	4.73	1.52
06 22 13 00-0031 LF 1-5/8" Diameter Pine Closet Poles	6.95	1.52
06 22 13 00-0032 LF 2" Diameter Pine Closet Poles	9.46	1.69
06 25 Prefinished Paneling <small>(06 20)</small>		
06 25 16 Prefinished Plywood Paneling <small>(06 25)</small>		
06 25 16 00-0001 Hardboard Panels <small>(06 25 16)</small>		
Note: Excludes furring and trim.		
06 25 16 00-0002 Tempered Hardboard Panels <small>(06 25 16 00-0001)</small>		
06 25 16 00-0003 SF 1/4" Tempered Hardboard Panels	3.19	1.06
For Waterproof Glue, Add	0.05	
For Ceiling Installation, Add	0.73	
For Glue Laminated Installation, Add	0.16	
For 1/8" Thick Paneling, Deduct	-0.30	
For 1/2" Thick Paneling, Add	0.71	
For 5/8" Thick Paneling, Add	0.87	
For 3/4" Thick Paneling, Add	1.08	
For Fire Retardant Treatment (Class I), Add	0.61	
06 40 Architectural Woodwork <small>(06)</small>		
06 41 Architectural Wood Casework <small>(06 40)</small>		
06 41 13 Wood-Veneer-Faced Architectural Cabinets <small>(06 41)</small>		

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0001	Wood-Veneer Faced Cabinets <small>(06 41 13)</small>	
Note: AWI Custom Grade, good quality mill-made modular units, prefinished with solid hardwood face frames, hardwood door frames and drawer fronts, hardwood veneer on raised door panels (front and back), glued mortise, dowel, and dado joint construction, full backs (1/8" vinyl laminated plywood), vinyl laminated cabinet interiors, vinyl laminated composition drawer bodies with nylon and metal guides. Includes self-closing hinges, door and drawer pulls, mounting hardware and adjustable shelves. Use appropriate modifiers for the following grades: Economy Grade - Cabinets with melamine laminated to particleboard, in textured colors or wood grain print finish; Premium Grade - Cabinets with solid hardwood fronts and frames, mitered corners and solid wood drawer bodies with steel guides and ball bearings; Laboratory Grade - Cabinets with chemical resistant finish on premium grade.		
06 41 13 00-0002	Base Cabinets <small>(06 41 13 00-0001)</small>	
Note: Excludes tops or finish.		
06 41 13 00-0003	Base Cabinets, Single Drawer And Single Door <small>(06 41 13 00-0002)</small>	
06 41 13 00-0004	Base Cabinets 34-1/2" High x 24" Deep <small>(06 41 13 00-0003)</small>	
06 41 13 00-0005	EA	Up To 15" Width, 34-1/2" High x 24" Deep Base Cabinet.....264.59
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add 43.42		
For 3 Drawer Unit, Add 86.84		
For 4 Drawer Unit, Add 108.55		
For Plastic Laminate On Particle Board, Deduct -43.42		
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct -21.71		
For Economy Grade, Deduct -86.84		
For Premium Grade, Add 108.55		
For Laboratory Grade, Add 141.11		
For Unfinished (Natural, Wood), Deduct -32.56		
06 41 13 00-0006	EA	>15" To 18" Width, 34-1/2" High x 24" Deep Base Cabinet.....290.34
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add 46.41		
For 3 Drawer Unit, Add 92.83		
For 4 Drawer Unit, Add 116.04		
For Plastic Laminate On Particle Board, Deduct -46.41		
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct -23.21		
For Economy Grade, Deduct -92.83		
For Premium Grade, Add 116.04		
For Laboratory Grade, Add 150.85		
For Unfinished (Natural, Wood), Deduct -34.81		
06 41 13 00-0007	EA	>18" To 21" Width, 34-1/2" High x 24" Deep Base Cabinet.....309.94
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add 48.66		
For 3 Drawer Unit, Add 97.32		
For 4 Drawer Unit, Add 121.65		
For Plastic Laminate On Particle Board, Deduct -48.66		
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct -24.33		
For Economy Grade, Deduct -97.32		
For Premium Grade, Add 121.65		
For Laboratory Grade, Add 158.15		
For Unfinished (Natural, Wood), Deduct -36.50		
06 41 13 00-0008	EA	>21" To 24" Width, 34-1/2" High x 24" Deep Base Cabinet.....354.71
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add 55.45		
For 3 Drawer Unit, Add 110.90		
For 4 Drawer Unit, Add 138.63		
For Plastic Laminate On Particle Board, Deduct -55.45		
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct -27.73		
For Economy Grade, Deduct -110.90		
For Premium Grade, Add 138.63		
For Laboratory Grade, Add 180.22		
For Unfinished (Natural, Wood), Deduct -41.59		
06 41 13 00-0009	Base Cabinets 30" High x 24" Deep <small>(06 41 13 00-0003)</small>	
06 41 13 00-0010	EA	Up To 15" Width, 30" High x 24" Deep Base Cabinet.....232.03
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add 36.91		
For 3 Drawer Unit, Add 73.81		
For 4 Drawer Unit, Add 92.27		
For Plastic Laminate On Particle Board, Deduct -36.91		
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct -18.45		
For Economy Grade, Deduct -73.81		
For Premium Grade, Add 92.27		
For Laboratory Grade, Add 119.94		
For Unfinished (Natural, Wood), Deduct -27.68		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0011 EA >15" To 18" Width, 30" High x 24" Deep Base Cabinet.....	255.53	40.91
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	39.45	
For 3 Drawer Unit, Add	78.90	
For 4 Drawer Unit, Add	98.63	
For Plastic Laminate On Particle Board, Deduct	-39.45	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-19.73	
For Economy Grade, Deduct	-78.90	
For Premium Grade, Add	98.63	
For Laboratory Grade, Add	128.22	
For Unfinished (Natural, Wood), Deduct	-29.59	
06 41 13 00-0012 EA >18" To 21" Width, 30" High x 24" Deep Base Cabinet.....	273.44	46.77
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	41.36	
For 3 Drawer Unit, Add	82.72	
For 4 Drawer Unit, Add	103.40	
For Plastic Laminate On Particle Board, Deduct	-41.36	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-20.68	
For Economy Grade, Deduct	-82.72	
For Premium Grade, Add	103.40	
For Laboratory Grade, Add	134.42	
For Unfinished (Natural, Wood), Deduct	-31.02	
06 41 13 00-0013 EA >21" To 24" Width, 30" High x 24" Deep Base Cabinet.....	313.12	53.78
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	47.13	
For 3 Drawer Unit, Add	94.27	
For 4 Drawer Unit, Add	117.84	
For Plastic Laminate On Particle Board, Deduct	-47.13	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-23.57	
For Economy Grade, Deduct	-94.27	
For Premium Grade, Add	117.84	
For Laboratory Grade, Add	153.19	
For Unfinished (Natural, Wood), Deduct	-35.35	
06 41 13 00-0014 Base Cabinets 34-1/2" High x 24" Deep, Custom Built In Place <small>(06 41 13 00-0003)</small>		
06 41 13 00-0015 LF Up To 15" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet.....	233.30	41.50
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	34.74	
For 3 Drawer Unit, Add	69.47	
For 4 Drawer Unit, Add	86.84	
For Plastic Laminate On Particle Board, Deduct	-34.74	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-17.37	
For Economy Grade, Deduct	-69.47	
For Premium Grade, Add	86.84	
For Laboratory Grade, Add	112.89	
For Unfinished (Natural, Wood), Deduct	-26.05	
06 41 13 00-0016 LF >15" To 18" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet.....	212.58	40.33
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	30.94	
For 3 Drawer Unit, Add	61.88	
For 4 Drawer Unit, Add	77.36	
For Plastic Laminate On Particle Board, Deduct	-30.94	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-15.47	
For Economy Grade, Deduct	-61.88	
For Premium Grade, Add	77.36	
For Laboratory Grade, Add	100.56	
For Unfinished (Natural, Wood), Deduct	-23.21	
06 41 13 00-0017 LF >18" To 24" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet.....	195.14	39.17
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	27.81	
For 3 Drawer Unit, Add	55.61	
For 4 Drawer Unit, Add	69.52	
For Plastic Laminate On Particle Board, Deduct	-27.81	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-13.90	
For Economy Grade, Deduct	-55.61	
For Premium Grade, Add	69.52	
For Laboratory Grade, Add	90.37	
For Unfinished (Natural, Wood), Deduct	-20.85	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0018	LF		>24" To 30" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For 3 Drawer Unit, Add</i> <i>For 4 Drawer Unit, Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	179.03 25.05 50.10 62.63 -25.05 -12.53 -50.10 62.63 81.41 -18.79	37.41
06 41 13 00-0019			Base Cabinets, Double Drawer And Double Door (06 41 13 00-0002)		
06 41 13 00-0020			34-1/2" High x 24" Deep (06 41 13 00-0019)		
06 41 13 00-0021	EA		24" To 27" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	416.32 65.38 -65.38 -32.69 -130.76 163.45 212.48 -49.03 32.69 -49.03	44.72
06 41 13 00-0022	EA		>27"-30" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	443.82 69.59 -69.59 -34.80 -139.18 173.98 226.17 -52.19 34.80 -52.19	47.93
06 41 13 00-0023	EA		>30"-33" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	462.52 72.86 -72.86 -36.43 -145.73 182.16 236.81 -54.65 36.43 -54.65	49.10
06 41 13 00-0024	EA		>33"-36" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	474.84 74.86 -74.86 -37.43 -149.72 187.15 243.30 -56.15 37.43 -56.15	50.27
06 41 13 00-0025	EA		>36"-42" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	507.97 79.85 -79.85 -39.93 -159.70 199.63 259.51 -59.89 39.93 -59.89	54.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0026 EA >42"-48" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet.....	540.73	61.38
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	83.59	
For Plastic Laminate On Particle Board, Deduct	-83.59	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-41.80	
For Economy Grade, Deduct	-167.19	
For Premium Grade, Add	208.99	
For Laboratory Grade, Add	271.68	
For Unfinished (Natural, Wood), Deduct	-62.70	
For 3 Drawer Unit, Add	41.80	
For Sink Base With Sink Front (No Drawer), Deduct	-62.70	
06 41 13 00-0027 30" High x 24" Deep (06 41 13 00-0019)		
06 41 13 00-0028 EA 24" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet.....	279.61	60.56
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	38.54	
For Plastic Laminate On Particle Board, Deduct	-38.54	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-19.27	
For Economy Grade, Deduct	-77.07	
For Premium Grade, Add	96.34	
For Laboratory Grade, Add	125.24	
For Unfinished (Natural, Wood), Deduct	-28.90	
For 3 Drawer Unit, Add	19.27	
For Sink Base With Sink Front (No Drawer), Deduct	-28.90	
06 41 13 00-0029 EA 30" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet.....	405.59	67.51
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	61.95	
For Plastic Laminate On Particle Board, Deduct	-61.95	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-30.98	
For Economy Grade, Deduct	-123.91	
For Premium Grade, Add	154.89	
For Laboratory Grade, Add	201.35	
For Unfinished (Natural, Wood), Deduct	-46.47	
For 3 Drawer Unit, Add	30.98	
For Sink Base With Sink Front (No Drawer), Deduct	-46.47	
06 41 13 00-0030 EA 36" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet.....	472.06	69.97
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	74.26	
For Plastic Laminate On Particle Board, Deduct	-74.26	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-37.13	
For Economy Grade, Deduct	-148.51	
For Premium Grade, Add	185.64	
For Laboratory Grade, Add	241.33	
For Unfinished (Natural, Wood), Deduct	-55.69	
For 3 Drawer Unit, Add	37.13	
For Sink Base With Sink Front (No Drawer), Deduct	-55.69	
06 41 13 00-0031 EA 42" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet.....	567.67	76.10
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	91.79	
For Plastic Laminate On Particle Board, Deduct	-91.79	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-45.89	
For Economy Grade, Deduct	-183.58	
For Premium Grade, Add	229.47	
For Laboratory Grade, Add	298.31	
For Unfinished (Natural, Wood), Deduct	-68.84	
For 3 Drawer Unit, Add	45.89	
For Sink Base With Sink Front (No Drawer), Deduct	-68.84	
06 41 13 00-0032 EA 48" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet.....	644.32	85.92
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	104.31	
For Plastic Laminate On Particle Board, Deduct	-104.31	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-52.16	
For Economy Grade, Deduct	-208.63	
For Premium Grade, Add	260.79	
For Laboratory Grade, Add	339.02	
For Unfinished (Natural, Wood), Deduct	-78.24	
For 3 Drawer Unit, Add	52.16	
For Sink Base With Sink Front (No Drawer), Deduct	-78.24	
06 41 13 00-0033 34-1/2" High x 24" Deep, Custom Built In Place (06 41 13 00-0019)		

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 41 13 00-0034	LF	24" To 30" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet.....	196.46		40.33
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.			
		For ADA Cabinet Units (Includes All ADA Hardware), Add	27.84		
		For Plastic Laminate On Particle Board, Deduct	-27.84		
		Note: (Plastic Laminate On Hardwood For Doors)			
		For Premium Grade Plywood With Plastic Laminate, Deduct	-13.92		
		For Economy Grade, Deduct	-55.67		
		For Premium Grade, Add	69.59		
		For Laboratory Grade, Add	90.47		
		For Unfinished (Natural, Wood), Deduct	-20.88		
		For 3 Drawer Unit, Add	13.92		
		For Sink Base With Sink Front (No Drawer), Deduct	-20.88		
06 41 13 00-0035	LF	>30" To 36" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet.....	177.52		36.83
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.			
		For ADA Cabinet Units (Includes All ADA Hardware), Add	24.98		
		For Plastic Laminate On Particle Board, Deduct	-24.98		
		Note: (Plastic Laminate On Hardwood For Doors)			
		For Premium Grade Plywood With Plastic Laminate, Deduct	-12.49		
		For Economy Grade, Deduct	-49.96		
		For Premium Grade, Add	62.46		
		For Laboratory Grade, Add	81.19		
		For Unfinished (Natural, Wood), Deduct	-18.74		
		For 3 Drawer Unit, Add	12.49		
		For Sink Base With Sink Front (No Drawer), Deduct	-18.74		
06 41 13 00-0036	LF	>36" To 42" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet.....	163.19		34.48
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.			
		For ADA Cabinet Units (Includes All ADA Hardware), Add	22.82		
		For Plastic Laminate On Particle Board, Deduct	-22.82		
		Note: (Plastic Laminate On Hardwood For Doors)			
		For Premium Grade Plywood With Plastic Laminate, Deduct	-11.41		
		For Economy Grade, Deduct	-45.64		
		For Premium Grade, Add	57.05		
		For Laboratory Grade, Add	74.16		
		For Unfinished (Natural, Wood), Deduct	-17.11		
		For 3 Drawer Unit, Add	11.41		
		For Sink Base With Sink Front (No Drawer), Deduct	-17.11		
06 41 13 00-0037	LF	>42" To 48" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet.....	151.30		32.74
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.			
		For ADA Cabinet Units (Includes All ADA Hardware), Add	20.91		
		For Plastic Laminate On Particle Board, Deduct	-20.91		
		Note: (Plastic Laminate On Hardwood For Doors)			
		For Premium Grade Plywood With Plastic Laminate, Deduct	-10.45		
		For Economy Grade, Deduct	-41.81		
		For Premium Grade, Add	52.27		
		For Laboratory Grade, Add	67.94		
		For Unfinished (Natural, Wood), Deduct	-15.68		
		For 3 Drawer Unit, Add	10.45		
		For Sink Base With Sink Front (No Drawer), Deduct	-15.68		
06 41 13 00-0038		Vanity Bases (06 41 13 00-0002)			
06 41 13 00-0039	EA	30" High x 21" Deep x 24" Wide Vanity Bases, 2 Door.....	318.44		43.49
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.			
		For ADA Cabinet Units (Includes All ADA Hardware), Add	46.30		
		For Plastic Laminate On Particle Board, Deduct	-46.30		
		Note: (Plastic Laminate On Hardwood For Doors)			
		For Premium Grade Plywood With Plastic Laminate, Deduct	-23.15		
		For Economy Grade, Deduct	-92.60		
		For Premium Grade, Add	115.76		
		For Laboratory Grade, Add	150.48		
		For Unfinished (Natural, Wood), Deduct	-34.73		
06 41 13 00-0040	EA	30" High x 21" Deep x 30" Wide Vanity Bases, 2 Door.....	361.99		48.40
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.			
		For ADA Cabinet Units (Includes All ADA Hardware), Add	53.23		
		For Plastic Laminate On Particle Board, Deduct	-53.23		
		Note: (Plastic Laminate On Hardwood For Doors)			
		For Premium Grade Plywood With Plastic Laminate, Deduct	-26.62		
		For Economy Grade, Deduct	-106.47		
		For Premium Grade, Add	133.09		
		For Laboratory Grade, Add	173.01		
		For Unfinished (Natural, Wood), Deduct	-39.93		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0041 EA 30" High x 21" Deep x 36" Wide Vanity Bases, 2 Door.....	457.06	50.39
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
<i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i>	71.26	
<i>For Plastic Laminate On Particle Board, Deduct</i>	-71.26	
Note: (Plastic Laminate On Hardwood For Doors)		
<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-35.63	
<i>For Economy Grade, Deduct</i>	-142.51	
<i>For Premium Grade, Add</i>	178.14	
<i>For Laboratory Grade, Add</i>	231.58	
<i>For Unfinished (Natural, Wood), Deduct</i>	-53.44	
06 41 13 00-0042 EA 30" High x 21" Deep x 48" Wide Vanity Bases, 2 Door.....	545.52	61.38
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
<i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i>	84.56	
<i>For Plastic Laminate On Particle Board, Deduct</i>	-84.56	
Note: (Plastic Laminate On Hardwood For Doors)		
<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-42.28	
<i>For Economy Grade, Deduct</i>	-169.13	
<i>For Premium Grade, Add</i>	211.41	
<i>For Laboratory Grade, Add</i>	274.83	
<i>For Unfinished (Natural, Wood), Deduct</i>	-63.42	
06 41 13 00-0043 Wall Cabinets <small>(06 41 13 00-0001)</small>		
06 41 13 00-0044 Wall Cabinets 36" High x 13" Deep <small>(06 41 13 00-0043)</small>		
06 41 13 00-0045 Single Door Type Units <small>(06 41 13 00-0044)</small>		
06 41 13 00-0046 EA Up To 15" Wide, 36" High x 13" Deep Single Door Wall Cabinet	221.23	42.08
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
<i>For Plastic Laminate On Particle Board, Deduct</i>	-33.73	
Note: (Plastic Laminate On Hardwood For Doors)		
<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-16.86	
<i>For Economy Grade, Deduct</i>	-67.45	
<i>For Premium Grade, Add</i>	84.32	
<i>For Laboratory Grade, Add</i>	109.61	
<i>For Unfinished (Natural, Wood), Deduct</i>	-25.29	
06 41 13 00-0047 EA >15" To 18" Wide, 36" High x 13" Deep Single Door Wall Cabinet.....	250.31	42.96
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
<i>For Plastic Laminate On Particle Board, Deduct</i>	-39.32	
Note: (Plastic Laminate On Hardwood For Doors)		
<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-19.66	
<i>For Economy Grade, Deduct</i>	-78.63	
<i>For Premium Grade, Add</i>	98.29	
<i>For Laboratory Grade, Add</i>	127.78	
<i>For Unfinished (Natural, Wood), Deduct</i>	-29.49	
06 41 13 00-0048 EA >18" To 24" Wide, 36" High x 13" Deep Single Door Wall Cabinet.....	280.22	44.42
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
<i>For Plastic Laminate On Particle Board, Deduct</i>	-44.92	
Note: (Plastic Laminate On Hardwood For Doors)		
<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-22.46	
<i>For Economy Grade, Deduct</i>	-89.83	
<i>For Premium Grade, Add</i>	112.29	
<i>For Laboratory Grade, Add</i>	145.98	
<i>For Unfinished (Natural, Wood), Deduct</i>	-33.69	
06 41 13 00-0049 EA >24" To 30" Wide, 36" High x 13" Deep Single Door Wall Cabinet.....	329.85	47.93
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
<i>For Plastic Laminate On Particle Board, Deduct</i>	-53.90	
Note: (Plastic Laminate On Hardwood For Doors)		
<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-26.95	
<i>For Economy Grade, Deduct</i>	-107.80	
<i>For Premium Grade, Add</i>	134.75	
<i>For Laboratory Grade, Add</i>	175.18	
<i>For Unfinished (Natural, Wood), Deduct</i>	-40.43	
06 41 13 00-0050 Double Door Type Units <small>(06 41 13 00-0044)</small>		
06 41 13 00-0051 EA Up To 24" Wide, 36" High x 13" Deep Double Door Wall Cabinet.....	286.97	49.10
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
<i>For Plastic Laminate On Particle Board, Deduct</i>	-44.98	
Note: (Plastic Laminate On Hardwood For Doors)		
<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-22.49	
<i>For Economy Grade, Deduct</i>	-89.96	
<i>For Premium Grade, Add</i>	112.46	
<i>For Laboratory Grade, Add</i>	146.19	
<i>For Unfinished (Natural, Wood), Deduct</i>	-33.74	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0052	EA		>24" To 30" Wide, 36" High x 13" Deep Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	339.40 -54.50 -27.25 -109.00 136.25 177.12 -40.87	53.78
06 41 13 00-0053	EA		>30" To 36" Wide, 36" High x 13" Deep Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	380.01 -62.28 -31.14 -124.57 155.71 202.42 -46.71	54.94
06 41 13 00-0054	EA		>36" To 42" Wide, 36" High x 13" Deep Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	412.73 -68.27 -34.14 -136.54 170.68 221.88 -51.20	56.99
06 41 13 00-0055	EA		>42" To 48" Wide, 36" High x 13" Deep Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	459.72 -76.96 -38.48 -153.91 192.39 250.11 -57.72	59.62
06 41 13 00-0056			Wall Cabinets 30" High x 13" Deep (06 41 13 00-0043)		
06 41 13 00-0057			Single Door Type Units (06 41 13 00-0056)		
06 41 13 00-0058	EA		Up To 12" Wide, 30" High x 13" Deep Single Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	174.30 -26.45 -13.23 -52.90 66.13 85.96 -19.84	33.24
06 41 13 00-0059	EA		>12" To 15" Wide, 30" High x 13" Deep Single Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	198.55 -30.94 -15.47 -61.88 77.36 100.56 -23.21	34.68
06 41 13 00-0060	EA		>15" To 18" Wide, 30" High x 13" Deep Single Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	215.72 -34.19 -17.09 -68.37 85.47 111.10 -25.64	35.41
06 41 13 00-0061	EA		>18" To 24" Wide, 30" High x 13" Deep Single Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	233.51 -37.43 -18.72 -74.86 93.58 121.65 -28.07	36.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0062 Double Door Type Units <small>(06 41 13 00-0056)</small>		
06 41 13 00-0063 EA Up To 27" Wide, 30" High x 13" Deep Double Door Wall Cabinet.....	258.20	37.44
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-42.17	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-21.09	
For Economy Grade, Deduct	-84.34	
For Premium Grade, Add	105.43	
For Laboratory Grade, Add	137.06	
For Unfinished (Natural, Wood), Deduct	-31.63	
06 41 13 00-0064 EA >27" To 30" Wide, 30" High x 13" Deep Double Door Wall Cabinet.....	275.60	38.37
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-45.42	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-22.71	
For Economy Grade, Deduct	-90.83	
For Premium Grade, Add	113.54	
For Laboratory Grade, Add	147.60	
For Unfinished (Natural, Wood), Deduct	-34.06	
06 41 13 00-0065 EA >30" To 36" Wide, 30" High x 13" Deep Double Door Wall Cabinet.....	309.20	39.30
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-51.90	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-25.95	
For Economy Grade, Deduct	-103.81	
For Premium Grade, Add	129.76	
For Laboratory Grade, Add	168.69	
For Unfinished (Natural, Wood), Deduct	-38.93	
06 41 13 00-0066 EA >36" To 42" Wide, 30" High x 13" Deep Double Door Wall Cabinet.....	335.32	40.22
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-56.89	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-28.45	
For Economy Grade, Deduct	-113.79	
For Premium Grade, Add	142.24	
For Laboratory Grade, Add	184.91	
For Unfinished (Natural, Wood), Deduct	-42.67	
06 41 13 00-0067 EA >42" To 48" Wide, 30" High x 13" Deep Double Door Wall Cabinet.....	372.09	40.68
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-64.13	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-32.07	
For Economy Grade, Deduct	-128.26	
For Premium Grade, Add	160.33	
For Laboratory Grade, Add	208.42	
For Unfinished (Natural, Wood), Deduct	-48.10	
06 41 13 00-0068 Wall Cabinets 24" High x 13" Deep <small>(06 41 13 00-0043)</small>		
06 41 13 00-0069 Double Door Type Units <small>(06 41 13 00-0068)</small>		
06 41 13 00-0070 EA Up To 24" Wide, 24" High x 13" Deep Double Door Wall Cabinet.....	228.08	30.40
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-37.93	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-18.97	
For Economy Grade, Deduct	-75.86	
For Premium Grade, Add	94.83	
For Laboratory Grade, Add	123.27	
For Unfinished (Natural, Wood), Deduct	-28.45	
06 41 13 00-0071 EA >24" To 30" Wide, 24" High x 13" Deep Double Door Wall Cabinet.....	243.71	31.86
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-40.67	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-20.34	
For Economy Grade, Deduct	-81.35	
For Premium Grade, Add	101.69	
For Laboratory Grade, Add	132.19	
For Unfinished (Natural, Wood), Deduct	-30.51	
06 41 13 00-0072 EA >30" To 36" Wide, 24" High x 13" Deep Double Door Wall Cabinet.....	266.04	32.79
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-44.92	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-22.46	
For Economy Grade, Deduct	-89.83	
For Premium Grade, Add	112.29	
For Laboratory Grade, Add	145.98	
For Unfinished (Natural, Wood), Deduct	-33.69	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0073	EA		>36" To 42" Wide, 24" High x 13" Deep Double Door Wall Cabinet.....290.37 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -49.66 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -24.83 <i>For Economy Grade, Deduct</i> -99.32 <i>For Premium Grade, Add</i> 124.15 <i>For Laboratory Grade, Add</i> 161.39 <i>For Unfinished (Natural, Wood), Deduct</i> -37.24		33.31
06 41 13 00-0074			Wall Cabinets 15" High x 13" Deep (06 41 13 00-0043)		
06 41 13 00-0075			Double Door Type Units (06 41 13 00-0074)		
06 41 13 00-0076	EA		Up To 24" Wide, 15" High x 13" Deep Double Door Wall Cabinet .....202.21 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -33.69 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -16.84 <i>For Economy Grade, Deduct</i> -67.38 <i>For Premium Grade, Add</i> 84.22 <i>For Laboratory Grade, Add</i> 109.49 <i>For Unfinished (Natural, Wood), Deduct</i> -25.27		26.71
06 41 13 00-0077	EA		>24" To 30" Wide, 15" High x 13" Deep Double Door Wall Cabinet.....213.41 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -35.43 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -17.72 <i>For Economy Grade, Deduct</i> -70.87 <i>For Premium Grade, Add</i> 88.59 <i>For Laboratory Grade, Add</i> 115.16 <i>For Unfinished (Natural, Wood), Deduct</i> -26.58		28.64
06 41 13 00-0078	EA		>30" To 36" Wide, 15" High x 13" Deep Double Door Wall Cabinet.....234.85 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -38.68 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -19.34 <i>For Economy Grade, Deduct</i> -77.36 <i>For Premium Grade, Add</i> 96.70 <i>For Laboratory Grade, Add</i> 125.70 <i>For Unfinished (Natural, Wood), Deduct</i> -29.01		32.79
06 41 13 00-0079	EA		>36" To 42" Wide, 15" High x 13" Deep Double Door Wall Cabinet.....254.84 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -42.67 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -21.34 <i>For Economy Grade, Deduct</i> -85.34 <i>For Premium Grade, Add</i> 106.68 <i>For Laboratory Grade, Add</i> 138.68 <i>For Unfinished (Natural, Wood), Deduct</i> -32.00		32.79
06 41 13 00-0080			Wall Cabinets 12" High x 13" Deep (06 41 13 00-0043)		
06 41 13 00-0081	EA		18" to 30" Wide, 12" High x 13" Deep Double Door Wall Cabinet.....187.47 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -30.19 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -15.10 <i>For Economy Grade, Deduct</i> -60.39 <i>For Premium Grade, Add</i> 75.49 <i>For Laboratory Grade, Add</i> 98.13 <i>For Unfinished (Natural, Wood), Deduct</i> -22.65		18.00
06 41 13 00-0082	EA		>30" Wide, 12" High x 13" Deep Double Door Wall Cabinet .....218.90 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -35.43 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -17.72 <i>For Economy Grade, Deduct</i> -70.87 <i>For Premium Grade, Add</i> 88.59 <i>For Laboratory Grade, Add</i> 115.16 <i>For Unfinished (Natural, Wood), Deduct</i> -26.58		13.50
06 41 13 00-0083			Wall Cabinets 36" High x 13" Deep, Custom Built In Place (06 41 13 00-0043)		
06 41 13 00-0084			Single Door Type Units (06 41 13 00-0083)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0085 LF Up To 15" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet.....	198.01	44.42
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-26.98	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-13.49	
For Economy Grade, Deduct	-53.96	
For Premium Grade, Add	67.45	
For Laboratory Grade, Add	87.68	
For Unfinished (Natural, Wood), Deduct	-20.23	
06 41 13 00-0086 LF >15 To 18" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet.....	184.83	37.41
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-26.21	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-13.11	
For Economy Grade, Deduct	-52.42	
For Premium Grade, Add	65.53	
For Laboratory Grade, Add	85.18	
For Unfinished (Natural, Wood), Deduct	-19.66	
06 41 13 00-0087 LF >18 To 24" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet.....	153.79	29.23
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-22.46	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-11.23	
For Economy Grade, Deduct	-44.92	
For Premium Grade, Add	56.15	
For Laboratory Grade, Add	72.99	
For Unfinished (Natural, Wood), Deduct	-16.84	
06 41 13 00-0088 LF >24 To 30" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet.....	144.09	25.14
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-21.57	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-10.79	
For Economy Grade, Deduct	-43.14	
For Premium Grade, Add	53.93	
For Laboratory Grade, Add	70.10	
For Unfinished (Natural, Wood), Deduct	-16.18	
06 41 13 00-0089 Double Door Type Units (06 41 13 00-0083)		
06 41 13 00-0090 LF Up To 24" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet.....	159.20	32.74
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-22.49	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-11.24	
For Economy Grade, Deduct	-44.97	
For Premium Grade, Add	56.22	
For Laboratory Grade, Add	73.08	
For Unfinished (Natural, Wood), Deduct	-16.86	
06 41 13 00-0091 LF >24" To 30" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet.....	148.71	28.06
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-21.79	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-10.90	
For Economy Grade, Deduct	-43.58	
For Premium Grade, Add	54.48	
For Laboratory Grade, Add	70.82	
For Unfinished (Natural, Wood), Deduct	-16.34	
06 41 13 00-0092 LF >30" To 36" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet.....	138.29	23.97
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-20.76	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-10.38	
For Economy Grade, Deduct	-41.52	
For Premium Grade, Add	51.91	
For Laboratory Grade, Add	67.48	
For Unfinished (Natural, Wood), Deduct	-15.57	
06 41 13 00-0093 LF >36" To 42" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet.....	127.93	21.04
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-19.51	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-9.75	
For Economy Grade, Deduct	-39.01	
For Premium Grade, Add	48.77	
For Laboratory Grade, Add	63.39	
For Unfinished (Natural, Wood), Deduct	-14.63	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0094	LF		>42" To 48" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet.....	124.27	19.87
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-19.24	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-9.62	
			For Economy Grade, Deduct	-38.48	
			For Premium Grade, Add	48.11	
			For Laboratory Grade, Add	62.54	
			For Unfinished (Natural, Wood), Deduct	-14.43	
06 41 13 00-0095			Accessories <small>(06 41 13 00-0001)</small>		
			See CSI section 06 41 93 00-0001 for cabinet hardware.		
06 41 13 00-0096	EA		Wall Corner Cabinet With Shelving.....	258.01	65.72
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-22.39	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-11.20	
			For Economy Grade, Deduct	-44.78	
			For Premium Grade, Add	55.98	
			For Laboratory Grade, Add	72.77	
			For Unfinished (Natural, Wood), Deduct	-16.79	
06 41 13 00-0097	EA		Wall Lazy Susan With Cabinet Enclosure.....	399.48	52.58
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-56.53	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-28.26	
			For Economy Grade, Deduct	-113.06	
			For Premium Grade, Add	141.32	
			For Laboratory Grade, Add	183.72	
			For Unfinished (Natural, Wood), Deduct	-42.40	
06 41 13 00-0098	EA		Base Lazy Susan With Cabinet Enclosure.....	491.00	43.82
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-78.73	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-39.36	
			For Economy Grade, Deduct	-157.46	
			For Premium Grade, Add	196.82	
			For Laboratory Grade, Add	255.87	
			For Unfinished (Natural, Wood), Deduct	-59.05	
06 41 13 00-0099	EA		Broom Cabinet.....	532.47	37.56
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-89.80	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-44.90	
			For Economy Grade, Deduct	-179.61	
			For Premium Grade, Add	224.51	
			For Laboratory Grade, Add	291.86	
			For Unfinished (Natural, Wood), Deduct	-67.35	
06 41 13 00-0100	EA		Base Corner Cabinet.....	221.89	26.28
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-33.86	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-16.93	
			For Economy Grade, Deduct	-67.72	
			For Premium Grade, Add	84.66	
			For Laboratory Grade, Add	110.05	
			For Unfinished (Natural, Wood), Deduct	-25.40	
06 41 13 00-0101	EA		Base Range Cabinet.....	211.81	21.91
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-33.60	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-16.80	
			For Economy Grade, Deduct	-67.20	
			For Premium Grade, Add	84.00	
			For Laboratory Grade, Add	109.19	
			For Unfinished (Natural, Wood), Deduct	-25.20	
06 41 13 00-0102	EA		Double Oven Cabinet.....	280.57	26.28
			Note: Prefinished with solid hardwood face frames, hardwood door frames.		
			For Plastic Laminate On Particle Board, Deduct	-45.60	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-22.80	
			For Economy Grade, Deduct	-91.20	
			For Premium Grade, Add	114.00	
			For Laboratory Grade, Add	148.19	
			For Unfinished (Natural, Wood), Deduct	-34.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0103 EA Microwave Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	191.05 -31.20 -15.60 -62.40 78.00 101.40 -23.40	17.53
06 41 13 00-0104 EA 30" Flipper Door And Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	236.92 -33.95 -16.97 -67.89 84.87 110.32 -25.46	33.59
06 41 13 00-0105 EA 36" Flipper Door And Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	254.02 -37.37 -18.68 -74.73 93.42 121.44 -28.02	33.59
06 41 13 00-0106 EA 48" Flipper Door And Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	282.38 -43.04 -21.52 -86.08 107.60 139.87 -32.28	33.59
06 41 13 00-0107 EA For Keyed Lock In Door Or Drawer	30.60	
06 41 13 00-0108 SET Tamper-Proof Screw Sets Per Panel.....	7.49	
06 41 13 00-0109 Residential Housing Cabinetwork (06 41 13) Note: Include hinges, mounting hardware and door pulls. Economy grade: Stock-grade cabinets with flush-face doors. Doors made from veneered particleboard. Standard grade: Stock-grade cabinets with raised panel or cathedral doors. Interior panel may be plywood. Lower grade plastic-laminate face cabinets. High grade: Semi-custom cabinets with raised panel or cathedral doors. Higher grade: Same as High Grade but with plastic-laminate face and foil-face face cabinets. Deluxe grade: Semi-custom cabinets with raised panel or cathedral doors. May include special slide-out drawers, pull-out baskets, glass doors, or foil-face. Materials include cherry, pecan, and Shaker-style maple or pine. Custom grade: Custom cabinets with raised panel or cathedral doors. May include special slide-out drawers, pull-out baskets, mullion or leaded glass doors. Materials include cherry, pecan, and Shaker-style maple or pine. Custom deluxe grade: Same as Custom Grade, may have some curved wood cabinets and more custom features.		
06 41 13 00-0110 EA 15" x 30" Wall Cabinet <i>For Plastic Laminate On Particle Board, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For High Grade, Add</i> <i>For Higher Grade, Add</i> <i>For Deluxe Grade, Add</i> <i>For Custom Deluxe Grade, Add</i> <i>For Custom Built In Place, Add</i>	112.28 -28.05 -16.03 -8.02 8.02 16.03 32.06 35.27 23.25	16.07
06 41 13 00-0111 EA 30" x 30" Wall Cabinet <i>For Plastic Laminate On Particle Board, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For High Grade, Add</i> <i>For Higher Grade, Add</i> <i>For Deluxe Grade, Add</i> <i>For Custom Deluxe Grade, Add</i> <i>For Custom Built In Place, Add</i>	162.32 -42.30 -24.17 -12.09 12.09 24.17 48.34 52.49 34.36	20.74
06 41 13 00-0112 EA 33" x 30" Wall Cabinet <i>For Plastic Laminate On Particle Board, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For High Grade, Add</i> <i>For Higher Grade, Add</i> <i>For Deluxe Grade, Add</i> <i>For Custom Deluxe Grade, Add</i> <i>For Custom Built In Place, Add</i>	173.25 -44.89 -25.65 -12.83 12.83 25.65 51.30 55.80 36.56	22.49

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0113	EA		36" x 30" Wall Cabinet	179.28	23.66
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-46.18	
			<i>For Economy Grade, Deduct</i>	-26.39	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-13.20	
			<i>For High Grade, Add</i>	13.20	
			<i>For Higher Grade, Add</i>	26.39	
			<i>For Deluxe Grade, Add</i>	52.78	
			<i>For Custom Deluxe Grade, Add</i>	57.51	
			<i>For Custom Built In Place, Add</i>	37.72	
06 41 13 00-0114	EA		39" x 30" Wall Cabinet	190.22	24.83
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-49.20	
			<i>For Economy Grade, Deduct</i>	-28.12	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-14.06	
			<i>For High Grade, Add</i>	14.06	
			<i>For Higher Grade, Add</i>	28.12	
			<i>For Deluxe Grade, Add</i>	56.23	
			<i>For Custom Deluxe Grade, Add</i>	61.20	
			<i>For Custom Built In Place, Add</i>	40.11	
06 41 13 00-0115	EA		42" x 30" Wall Cabinet	197.62	24.83
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-51.79	
			<i>For Economy Grade, Deduct</i>	-29.60	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-14.80	
			<i>For High Grade, Add</i>	14.80	
			<i>For Higher Grade, Add</i>	29.60	
			<i>For Deluxe Grade, Add</i>	59.19	
			<i>For Custom Deluxe Grade, Add</i>	64.16	
			<i>For Custom Built In Place, Add</i>	41.96	
06 41 13 00-0116	EA		45" x 30" Wall Cabinet	208.52	26.58
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-54.38	
			<i>For Economy Grade, Deduct</i>	-31.08	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-15.54	
			<i>For High Grade, Add</i>	15.54	
			<i>For Higher Grade, Add</i>	31.08	
			<i>For Deluxe Grade, Add</i>	62.15	
			<i>For Custom Deluxe Grade, Add</i>	67.47	
			<i>For Custom Built In Place, Add</i>	44.16	
06 41 13 00-0117	EA		48" x 30" Wall Cabinet	215.92	26.58
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-56.97	
			<i>For Economy Grade, Deduct</i>	-32.56	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-16.28	
			<i>For High Grade, Add</i>	16.28	
			<i>For Higher Grade, Add</i>	32.56	
			<i>For Deluxe Grade, Add</i>	65.11	
			<i>For Custom Deluxe Grade, Add</i>	70.43	
			<i>For Custom Built In Place, Add</i>	46.01	
06 41 13 00-0118	EA		30" x 34-1/2" Microwave Cabinet	226.23	22.49
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-63.44	
			<i>For Economy Grade, Deduct</i>	-36.25	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-18.13	
			<i>For High Grade, Add</i>	18.13	
			<i>For Higher Grade, Add</i>	36.25	
			<i>For Deluxe Grade, Add</i>	72.51	
			<i>For Custom Deluxe Grade, Add</i>	77.00	
			<i>For Custom Built In Place, Add</i>	49.81	
06 41 13 00-0119	EA		30" x 46-1/2" Microwave Cabinet	297.30	26.58
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-85.46	
			<i>For Economy Grade, Deduct</i>	-48.83	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-24.42	
			<i>For High Grade, Add</i>	24.42	
			<i>For Higher Grade, Add</i>	48.83	
			<i>For Deluxe Grade, Add</i>	97.66	
			<i>For Custom Deluxe Grade, Add</i>	102.98	
			<i>For Custom Built In Place, Add</i>	66.35	
06 41 13 00-0120	EA		30" x 12" x 34-1/2" Microwave Cabinet	222.74	20.74
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-63.44	
			<i>For Economy Grade, Deduct</i>	-36.25	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-18.13	
			<i>For High Grade, Add</i>	18.13	
			<i>For Higher Grade, Add</i>	36.25	
			<i>For Deluxe Grade, Add</i>	72.51	
			<i>For Custom Deluxe Grade, Add</i>	76.66	
			<i>For Custom Built In Place, Add</i>	49.46	
06 41 13 00-0121	EA		30" x 12" x 46-1/2" Microwave Cabinet	297.30	26.58
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-85.46	
			<i>For Economy Grade, Deduct</i>	-48.83	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-24.42	
			<i>For High Grade, Add</i>	24.42	
			<i>For Higher Grade, Add</i>	48.83	
			<i>For Deluxe Grade, Add</i>	97.66	
			<i>For Custom Deluxe Grade, Add</i>	102.98	
			<i>For Custom Built In Place, Add</i>	66.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0122 EA 30" x 21" Microwave Cabinet.....	159.51	18.12
For Plastic Laminate On Particle Board, Deduct	-43.16	
For Economy Grade, Deduct	-24.66	
For Premium Grade Plywood With Plastic Laminate, Deduct	-12.33	
For High Grade, Add	12.33	
For Higher Grade, Add	24.66	
For Deluxe Grade, Add	49.32	
For Custom Deluxe Grade, Add	52.94	
For Custom Built In Place, Add	34.45	
06 41 13 00-0123 EA 30" x 15" Wall Cabinet.....	120.38	20.74
For Plastic Laminate On Particle Board, Deduct	-27.62	
For Economy Grade, Deduct	-15.78	
For Premium Grade Plywood With Plastic Laminate, Deduct	-7.89	
For High Grade, Add	7.89	
For Higher Grade, Add	15.78	
For Deluxe Grade, Add	31.57	
For Custom Deluxe Grade, Add	35.71	
For Custom Built In Place, Add	23.88	
06 41 13 00-0124 EA 24" x 24" Wall Cabinet, 2 Doors.....	122.54	18.12
For Plastic Laminate On Particle Board, Deduct	-30.21	
For Economy Grade, Deduct	-17.26	
For Premium Grade Plywood With Plastic Laminate, Deduct	-8.63	
For High Grade, Add	8.63	
For Higher Grade, Add	17.26	
For Deluxe Grade, Add	34.53	
For Custom Deluxe Grade, Add	38.15	
For Custom Built In Place, Add	25.20	
06 41 13 00-0125 EA 27" x 24" Wall Cabinet.....	126.24	18.12
For Plastic Laminate On Particle Board, Deduct	-31.51	
For Economy Grade, Deduct	-18.00	
For Premium Grade Plywood With Plastic Laminate, Deduct	-9.00	
For High Grade, Add	9.00	
For Higher Grade, Add	18.00	
For Deluxe Grade, Add	36.01	
For Custom Deluxe Grade, Add	39.63	
For Custom Built In Place, Add	26.13	
06 41 13 00-0126 EA 30" x 24" Wall Cabinet.....	133.96	20.74
For Plastic Laminate On Particle Board, Deduct	-32.37	
For Economy Grade, Deduct	-18.50	
For Premium Grade Plywood With Plastic Laminate, Deduct	-9.25	
For High Grade, Add	9.25	
For Higher Grade, Add	18.50	
For Deluxe Grade, Add	37.00	
For Custom Deluxe Grade, Add	41.14	
For Custom Built In Place, Add	27.27	
06 41 13 00-0127 EA 33" x 24" Wall Cabinet.....	142.42	22.49
For Plastic Laminate On Particle Board, Deduct	-34.10	
For Economy Grade, Deduct	-19.48	
For Premium Grade Plywood With Plastic Laminate, Deduct	-9.74	
For High Grade, Add	9.74	
For Higher Grade, Add	19.48	
For Deluxe Grade, Add	38.97	
For Custom Deluxe Grade, Add	43.47	
For Custom Built In Place, Add	28.86	
06 41 13 00-0128 EA 36" x 24" Wall Cabinet.....	147.21	23.66
For Plastic Laminate On Particle Board, Deduct	-34.96	
For Economy Grade, Deduct	-19.98	
For Premium Grade Plywood With Plastic Laminate, Deduct	-9.99	
For High Grade, Add	9.99	
For Higher Grade, Add	19.98	
For Deluxe Grade, Add	39.95	
For Custom Deluxe Grade, Add	44.69	
For Custom Built In Place, Add	29.70	
06 41 13 00-0129 EA 39" x 24" Wall Cabinet.....	154.46	24.83
For Plastic Laminate On Particle Board, Deduct	-36.69	
For Economy Grade, Deduct	-20.96	
For Premium Grade Plywood With Plastic Laminate, Deduct	-10.48	
For High Grade, Add	10.48	
For Higher Grade, Add	20.96	
For Deluxe Grade, Add	41.93	
For Custom Deluxe Grade, Add	46.89	
For Custom Built In Place, Add	31.17	
06 41 13 00-0130 EA 42" x 24" Wall Cabinet.....	161.86	24.83
For Plastic Laminate On Particle Board, Deduct	-39.28	
For Economy Grade, Deduct	-22.44	
For Premium Grade Plywood With Plastic Laminate, Deduct	-11.22	
For High Grade, Add	11.22	
For Higher Grade, Add	22.44	
For Deluxe Grade, Add	44.89	
For Custom Deluxe Grade, Add	49.85	
For Custom Built In Place, Add	33.02	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41	13 00-0131	EA	45" x 24" Wall Cabinet	175.22	26.58
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-42.73	
			<i>For Economy Grade, Deduct</i>	-24.42	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-12.21	
			<i>For High Grade, Add</i>	12.21	
			<i>For Higher Grade, Add</i>	24.42	
			<i>For Deluxe Grade, Add</i>	48.83	
			<i>For Custom Deluxe Grade, Add</i>	54.15	
			<i>For Custom Built In Place, Add</i>	35.83	
06 41	13 00-0132	EA	48" x 24" Wall Cabinet	182.62	26.58
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-45.32	
			<i>For Economy Grade, Deduct</i>	-25.90	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-12.95	
			<i>For High Grade, Add</i>	12.95	
			<i>For Higher Grade, Add</i>	25.90	
			<i>For Deluxe Grade, Add</i>	51.79	
			<i>For Custom Deluxe Grade, Add</i>	57.11	
			<i>For Custom Built In Place, Add</i>	37.68	
06 41	13 00-0133	EA	24" x 24" Blind Corner Wall Cabinet	118.82	18.12
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-28.92	
			<i>For Economy Grade, Deduct</i>	-16.52	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-8.26	
			<i>For High Grade, Add</i>	8.26	
			<i>For Higher Grade, Add</i>	16.52	
			<i>For Deluxe Grade, Add</i>	33.05	
			<i>For Custom Deluxe Grade, Add</i>	36.67	
			<i>For Custom Built In Place, Add</i>	24.28	
06 41	13 00-0134	EA	30" x 24" Blind Corner Wall Cabinet	133.96	20.74
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-32.37	
			<i>For Economy Grade, Deduct</i>	-18.50	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-9.25	
			<i>For High Grade, Add</i>	9.25	
			<i>For Higher Grade, Add</i>	18.50	
			<i>For Deluxe Grade, Add</i>	37.00	
			<i>For Custom Deluxe Grade, Add</i>	41.14	
			<i>For Custom Built In Place, Add</i>	27.27	
06 41	13 00-0135	EA	36" x 24" Blind Corner Wall Cabinet	147.17	23.66
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-34.96	
			<i>For Economy Grade, Deduct</i>	-19.98	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-9.99	
			<i>For High Grade, Add</i>	9.99	
			<i>For Higher Grade, Add</i>	19.98	
			<i>For Deluxe Grade, Add</i>	39.95	
			<i>For Custom Deluxe Grade, Add</i>	44.68	
			<i>For Custom Built In Place, Add</i>	29.70	
06 41	13 00-0136	EA	42" x 24" Blind Corner Wall Cabinet	161.86	24.83
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-39.28	
			<i>For Economy Grade, Deduct</i>	-22.44	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-11.22	
			<i>For High Grade, Add</i>	11.22	
			<i>For Higher Grade, Add</i>	22.44	
			<i>For Deluxe Grade, Add</i>	44.89	
			<i>For Custom Deluxe Grade, Add</i>	49.85	
			<i>For Custom Built In Place, Add</i>	33.02	
06 41	13 00-0137	EA	48" x 24" Blind Corner Wall Cabinet	182.62	26.58
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-45.32	
			<i>For Economy Grade, Deduct</i>	-25.90	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-12.95	
			<i>For High Grade, Add</i>	12.95	
			<i>For Higher Grade, Add</i>	25.90	
			<i>For Deluxe Grade, Add</i>	51.79	
			<i>For Custom Deluxe Grade, Add</i>	57.11	
			<i>For Custom Built In Place, Add</i>	37.68	
06 41	13 00-0138	EA	9" x 42" Wall Cabinet	118.84	18.12
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-28.92	
			<i>For Economy Grade, Deduct</i>	-16.52	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-8.26	
			<i>For High Grade, Add</i>	8.26	
			<i>For Higher Grade, Add</i>	16.52	
			<i>For Deluxe Grade, Add</i>	33.05	
			<i>For Custom Deluxe Grade, Add</i>	36.67	
			<i>For Custom Built In Place, Add</i>	24.28	
06 41	13 00-0139	EA	12" x 42" Wall Cabinet	125.01	18.12
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-31.08	
			<i>For Economy Grade, Deduct</i>	-17.76	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-8.88	
			<i>For High Grade, Add</i>	8.88	
			<i>For Higher Grade, Add</i>	17.76	
			<i>For Deluxe Grade, Add</i>	35.52	
			<i>For Custom Deluxe Grade, Add</i>	39.14	
			<i>For Custom Built In Place, Add</i>	25.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0140 EA 15" x 42" Wall Cabinet.....	132.41	18.12
For Plastic Laminate On Particle Board, Deduct	-33.67	
For Economy Grade, Deduct	-19.24	
For Premium Grade Plywood With Plastic Laminate, Deduct	-9.62	
For High Grade, Add	9.62	
For Higher Grade, Add	19.24	
For Deluxe Grade, Add	38.48	
For Custom Deluxe Grade, Add	42.10	
For Custom Built In Place, Add	27.67	
06 41 13 00-0141 EA 18" x 42" Wall Cabinet.....	139.80	18.12
For Plastic Laminate On Particle Board, Deduct	-36.25	
For Economy Grade, Deduct	-20.72	
For Premium Grade Plywood With Plastic Laminate, Deduct	-10.36	
For High Grade, Add	10.36	
For Higher Grade, Add	20.72	
For Deluxe Grade, Add	41.43	
For Custom Deluxe Grade, Add	45.05	
For Custom Built In Place, Add	29.52	
06 41 13 00-0142 EA 21" x 42" Wall Cabinet.....	151.22	20.74
For Plastic Laminate On Particle Board, Deduct	-38.41	
For Economy Grade, Deduct	-21.95	
For Premium Grade Plywood With Plastic Laminate, Deduct	-10.98	
For High Grade, Add	10.98	
For Higher Grade, Add	21.95	
For Deluxe Grade, Add	43.90	
For Custom Deluxe Grade, Add	48.05	
For Custom Built In Place, Add	31.58	
06 41 13 00-0143 EA 24" x 42" Wall Cabinet.....	159.85	20.74
For Plastic Laminate On Particle Board, Deduct	-41.43	
For Economy Grade, Deduct	-23.68	
For Premium Grade Plywood With Plastic Laminate, Deduct	-11.84	
For High Grade, Add	11.84	
For Higher Grade, Add	23.68	
For Deluxe Grade, Add	47.35	
For Custom Deluxe Grade, Add	51.50	
For Custom Built In Place, Add	33.74	
06 41 13 00-0144 EA 24" x 42" Wall Cabinet, 2 Doors.....	173.42	20.74
For Plastic Laminate On Particle Board, Deduct	-46.18	
For Economy Grade, Deduct	-26.39	
For Premium Grade Plywood With Plastic Laminate, Deduct	-13.20	
For High Grade, Add	13.20	
For Higher Grade, Add	26.39	
For Deluxe Grade, Add	52.78	
For Custom Deluxe Grade, Add	56.93	
For Custom Built In Place, Add	37.13	
06 41 13 00-0145 EA 30" x 42" Wall Cabinet.....	190.47	22.49
For Plastic Laminate On Particle Board, Deduct	-50.93	
For Economy Grade, Deduct	-29.10	
For Premium Grade Plywood With Plastic Laminate, Deduct	-14.55	
For High Grade, Add	14.55	
For Higher Grade, Add	29.10	
For Deluxe Grade, Add	58.20	
For Custom Deluxe Grade, Add	62.70	
For Custom Built In Place, Add	40.87	
06 41 13 00-0146 EA 33" x 42" Wall Cabinet.....	201.47	23.66
For Plastic Laminate On Particle Board, Deduct	-53.95	
For Economy Grade, Deduct	-30.83	
For Premium Grade Plywood With Plastic Laminate, Deduct	-15.41	
For High Grade, Add	15.41	
For Higher Grade, Add	30.83	
For Deluxe Grade, Add	61.66	
For Custom Deluxe Grade, Add	66.39	
For Custom Built In Place, Add	43.27	
06 41 13 00-0147 EA 36" x 42" Wall Cabinet.....	207.52	24.83
For Plastic Laminate On Particle Board, Deduct	-55.24	
For Economy Grade, Deduct	-31.57	
For Premium Grade Plywood With Plastic Laminate, Deduct	-15.78	
For High Grade, Add	15.78	
For Higher Grade, Add	31.57	
For Deluxe Grade, Add	63.14	
For Custom Deluxe Grade, Add	68.10	
For Custom Built In Place, Add	44.43	
06 41 13 00-0148 EA 36" Base Cabinet.....	229.86	28.62
For Plastic Laminate On Particle Board, Deduct	-60.42	
For Economy Grade, Deduct	-34.53	
For Premium Grade Plywood With Plastic Laminate, Deduct	-17.26	
For High Grade, Add	17.26	
For Higher Grade, Add	34.53	
For Deluxe Grade, Add	69.06	
For Custom Deluxe Grade, Add	74.78	
For Custom Built In Place, Add	48.88	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41	13 00-0149	EA	39" Base Cabinet.....	237.26	28.62
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-63.01	
			<i>For Economy Grade, Deduct</i>	-36.01	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-18.00	
			<i>For High Grade, Add</i>	18.00	
			<i>For Higher Grade, Add</i>	36.01	
			<i>For Deluxe Grade, Add</i>	72.02	
			<i>For Custom Deluxe Grade, Add</i>	77.74	
			<i>For Custom Built In Place, Add</i>	50.73	
06 41	13 00-0150	EA	42" Base Cabinet.....	248.74	30.67
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-65.60	
			<i>For Economy Grade, Deduct</i>	-37.49	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-18.74	
			<i>For High Grade, Add</i>	18.74	
			<i>For Higher Grade, Add</i>	37.49	
			<i>For Deluxe Grade, Add</i>	74.98	
			<i>For Custom Deluxe Grade, Add</i>	81.11	
			<i>For Custom Built In Place, Add</i>	52.99	
06 41	13 00-0151	EA	45" Base Cabinet.....	256.14	30.67
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-68.19	
			<i>For Economy Grade, Deduct</i>	-38.97	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-19.48	
			<i>For High Grade, Add</i>	19.48	
			<i>For Higher Grade, Add</i>	38.97	
			<i>For Deluxe Grade, Add</i>	77.94	
			<i>For Custom Deluxe Grade, Add</i>	84.07	
			<i>For Custom Built In Place, Add</i>	54.84	
06 41	13 00-0152	EA	48" Base Cabinet.....	268.08	34.17
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-69.92	
			<i>For Economy Grade, Deduct</i>	-39.95	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-19.98	
			<i>For High Grade, Add</i>	19.98	
			<i>For Higher Grade, Add</i>	39.95	
			<i>For Deluxe Grade, Add</i>	79.91	
			<i>For Custom Deluxe Grade, Add</i>	86.74	
			<i>For Custom Built In Place, Add</i>	56.77	
06 41	13 00-0153	EA	12"-4 Drawer Bases Cabinet.....	193.72	15.48
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-56.97	
			<i>For Economy Grade, Deduct</i>	-32.56	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-16.28	
			<i>For High Grade, Add</i>	16.28	
			<i>For Higher Grade, Add</i>	32.56	
			<i>For Deluxe Grade, Add</i>	65.11	
			<i>For Custom Deluxe Grade, Add</i>	68.21	
			<i>For Custom Built In Place, Add</i>	43.79	
06 41	13 00-0154	EA	15"-4 Drawer Bases Cabinet.....	211.31	18.12
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-61.29	
			<i>For Economy Grade, Deduct</i>	-35.02	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-17.51	
			<i>For High Grade, Add</i>	17.51	
			<i>For Higher Grade, Add</i>	35.02	
			<i>For Deluxe Grade, Add</i>	70.04	
			<i>For Custom Deluxe Grade, Add</i>	73.66	
			<i>For Custom Built In Place, Add</i>	47.40	
06 41	13 00-0155	EA	18"-4 Drawer Bases Cabinet.....	228.89	20.74
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-65.60	
			<i>For Economy Grade, Deduct</i>	-37.49	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-18.74	
			<i>For High Grade, Add</i>	18.74	
			<i>For Higher Grade, Add</i>	37.49	
			<i>For Deluxe Grade, Add</i>	74.98	
			<i>For Custom Deluxe Grade, Add</i>	79.12	
			<i>For Custom Built In Place, Add</i>	51.01	
06 41	13 00-0156	EA	21"-4 Drawer Bases Cabinet.....	245.89	23.08
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-69.92	
			<i>For Economy Grade, Deduct</i>	-39.95	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-19.98	
			<i>For High Grade, Add</i>	19.98	
			<i>For Higher Grade, Add</i>	39.95	
			<i>For Deluxe Grade, Add</i>	79.91	
			<i>For Custom Deluxe Grade, Add</i>	84.52	
			<i>For Custom Built In Place, Add</i>	54.55	
06 41	13 00-0157	EA	24"-4 Drawer Bases Cabinet.....	247.06	23.66
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-69.92	
			<i>For Economy Grade, Deduct</i>	-39.95	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-19.98	
			<i>For High Grade, Add</i>	19.98	
			<i>For Higher Grade, Add</i>	39.95	
			<i>For Deluxe Grade, Add</i>	79.91	
			<i>For Custom Deluxe Grade, Add</i>	84.64	
			<i>For Custom Built In Place, Add</i>	54.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0158 EA 30"-4 Drawer Bases Cabinet	290.48	26.87
For Plastic Laminate On Particle Board, Deduct	-82.87	
For Economy Grade, Deduct	-47.35	
For Premium Grade Plywood With Plastic Laminate, Deduct	-23.68	
For High Grade, Add	23.68	
For Higher Grade, Add	47.35	
For Deluxe Grade, Add	94.70	
For Custom Deluxe Grade, Add	100.08	
For Custom Built In Place, Add	64.56	
06 41 13 00-0159 EA 33"-4 Drawer Bases Cabinet	302.82	26.87
For Plastic Laminate On Particle Board, Deduct	-87.19	
For Economy Grade, Deduct	-49.82	
For Premium Grade Plywood With Plastic Laminate, Deduct	-24.91	
For High Grade, Add	24.91	
For Higher Grade, Add	49.82	
For Deluxe Grade, Add	99.64	
For Custom Deluxe Grade, Add	105.01	
For Custom Built In Place, Add	67.65	
06 41 13 00-0160 EA 36"-4 Drawer Bases Cabinet	328.51	28.62
For Plastic Laminate On Particle Board, Deduct	-94.95	
For Economy Grade, Deduct	-54.26	
For Premium Grade Plywood With Plastic Laminate, Deduct	-27.13	
For High Grade, Add	27.13	
For Higher Grade, Add	54.26	
For Deluxe Grade, Add	108.52	
For Custom Deluxe Grade, Add	114.24	
For Custom Built In Place, Add	73.54	
06 41 13 00-0161 EA 12"-3 Drawer Bases Cabinet	193.72	15.48
For Plastic Laminate On Particle Board, Deduct	-56.97	
For Economy Grade, Deduct	-32.56	
For Premium Grade Plywood With Plastic Laminate, Deduct	-16.28	
For High Grade, Add	16.28	
For Higher Grade, Add	32.56	
For Deluxe Grade, Add	65.11	
For Custom Deluxe Grade, Add	68.21	
For Custom Built In Place, Add	43.79	
06 41 13 00-0162 EA 15"-3 Drawer Bases Cabinet	211.31	18.12
For Plastic Laminate On Particle Board, Deduct	-61.29	
For Economy Grade, Deduct	-35.02	
For Premium Grade Plywood With Plastic Laminate, Deduct	-17.51	
For High Grade, Add	17.51	
For Higher Grade, Add	35.02	
For Deluxe Grade, Add	70.04	
For Custom Deluxe Grade, Add	73.66	
For Custom Built In Place, Add	47.40	
06 41 13 00-0163 EA 18"-3 Drawer Bases Cabinet	228.88	20.74
For Plastic Laminate On Particle Board, Deduct	-65.60	
For Economy Grade, Deduct	-37.49	
For Premium Grade Plywood With Plastic Laminate, Deduct	-18.74	
For High Grade, Add	18.74	
For Higher Grade, Add	37.49	
For Deluxe Grade, Add	74.98	
For Custom Deluxe Grade, Add	79.12	
For Custom Built In Place, Add	51.00	
06 41 13 00-0164 EA 21"-3 Drawer Bases Cabinet	245.90	23.08
For Plastic Laminate On Particle Board, Deduct	-69.92	
For Economy Grade, Deduct	-39.95	
For Premium Grade Plywood With Plastic Laminate, Deduct	-19.98	
For High Grade, Add	19.98	
For Higher Grade, Add	39.95	
For Deluxe Grade, Add	79.91	
For Custom Deluxe Grade, Add	84.52	
For Custom Built In Place, Add	54.56	
06 41 13 00-0165 EA 24"-3 Drawer Bases Cabinet	247.06	23.66
For Plastic Laminate On Particle Board, Deduct	-69.92	
For Economy Grade, Deduct	-39.95	
For Premium Grade Plywood With Plastic Laminate, Deduct	-19.98	
For High Grade, Add	19.98	
For Higher Grade, Add	39.95	
For Deluxe Grade, Add	79.91	
For Custom Deluxe Grade, Add	84.64	
For Custom Built In Place, Add	54.67	
06 41 13 00-0166 EA 30"-3 Drawer Bases Cabinet	290.49	26.87
For Plastic Laminate On Particle Board, Deduct	-82.87	
For Economy Grade, Deduct	-47.35	
For Premium Grade Plywood With Plastic Laminate, Deduct	-23.68	
For High Grade, Add	23.68	
For Higher Grade, Add	47.35	
For Deluxe Grade, Add	94.70	
For Custom Deluxe Grade, Add	100.08	
For Custom Built In Place, Add	64.56	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0167	EA		33"-3 Drawer Bases Cabinet.....	302.83	26.87
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-87.19	
			<i>For Economy Grade, Deduct</i>	-49.82	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-24.91	
			<i>For High Grade, Add</i>	24.91	
			<i>For Higher Grade, Add</i>	49.82	
			<i>For Deluxe Grade, Add</i>	99.64	
			<i>For Custom Deluxe Grade, Add</i>	105.01	
			<i>For Custom Built In Place, Add</i>	67.65	
06 41 13 00-0168	EA		36"-3 Drawer Bases Cabinet.....	328.52	28.62
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-94.95	
			<i>For Economy Grade, Deduct</i>	-54.26	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-27.13	
			<i>For High Grade, Add</i>	27.13	
			<i>For Higher Grade, Add</i>	54.26	
			<i>For Deluxe Grade, Add</i>	108.52	
			<i>For Custom Deluxe Grade, Add</i>	114.24	
			<i>For Custom Built In Place, Add</i>	73.55	
06 41 13 00-0169	EA		24" Enclosed Sink Base Cabinet, 1 Door, 1 Drawer With Tamper-Proof Screw Mounted Front Panel.....	160.75	23.66
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-39.71	
			<i>For Economy Grade, Deduct</i>	-22.69	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-11.35	
			<i>For High Grade, Add</i>	11.35	
			<i>For Higher Grade, Add</i>	22.69	
			<i>For Deluxe Grade, Add</i>	45.38	
			<i>For Custom Deluxe Grade, Add</i>	50.11	
			<i>For Custom Built In Place, Add</i>	33.09	
06 41 13 00-0170	EA		24" Enclosed Sink Base Cabinet, 2 Doors, 2 Drawers With Tamper-Proof Screw Mounted Front Panel.....	163.22	23.66
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-40.57	
			<i>For Economy Grade, Deduct</i>	-23.18	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-11.59	
			<i>For High Grade, Add</i>	11.59	
			<i>For Higher Grade, Add</i>	23.18	
			<i>For Deluxe Grade, Add</i>	46.37	
			<i>For Custom Deluxe Grade, Add</i>	51.10	
			<i>For Custom Built In Place, Add</i>	33.71	
06 41 13 00-0171	EA		27" Enclosed Sink Base Cabinet, 2 Doors, 2 Drawers With Tamper-Proof Screw Mounted Front Panel.....	168.01	24.83
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-41.43	
			<i>For Economy Grade, Deduct</i>	-23.68	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-11.84	
			<i>For High Grade, Add</i>	11.84	
			<i>For Higher Grade, Add</i>	23.68	
			<i>For Deluxe Grade, Add</i>	47.35	
			<i>For Custom Deluxe Grade, Add</i>	52.32	
			<i>For Custom Built In Place, Add</i>	34.56	
06 41 13 00-0172	EA		30" Enclosed Sink Base Cabinet, 2 Doors, 2 Drawers With Tamper-Proof Screw Mounted Front Panel.....	177.04	26.87
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-43.16	
			<i>For Economy Grade, Deduct</i>	-24.66	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-12.33	
			<i>For High Grade, Add</i>	12.33	
			<i>For Higher Grade, Add</i>	24.66	
			<i>For Deluxe Grade, Add</i>	49.32	
			<i>For Custom Deluxe Grade, Add</i>	54.70	
			<i>For Custom Built In Place, Add</i>	36.20	
06 41 13 00-0173	EA		33" Enclosed Sink Base Cabinet, 2 Doors, 2 Drawers With Tamper-Proof Screw Mounted Front Panel.....	181.98	26.87
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-44.89	
			<i>For Economy Grade, Deduct</i>	-25.65	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-12.83	
			<i>For High Grade, Add</i>	12.83	
			<i>For Higher Grade, Add</i>	25.65	
			<i>For Deluxe Grade, Add</i>	51.30	
			<i>For Custom Deluxe Grade, Add</i>	56.67	
			<i>For Custom Built In Place, Add</i>	37.44	
06 41 13 00-0174	EA		36" Enclosed Sink Base Cabinet, 2 Doors, 2 Drawers With Tamper-Proof Screw Mounted Front Panel.....	190.41	28.62
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-46.61	
			<i>For Economy Grade, Deduct</i>	-26.64	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-13.32	
			<i>For High Grade, Add</i>	13.32	
			<i>For Higher Grade, Add</i>	26.64	
			<i>For Deluxe Grade, Add</i>	53.27	
			<i>For Custom Deluxe Grade, Add</i>	59.00	
			<i>For Custom Built In Place, Add</i>	39.02	
06 41 13 00-0175	EA		39" Enclosed Sink Base Cabinet, 2 Doors, 2 Drawers With Tamper-Proof Screw Mounted Front Panel.....	197.81	28.62
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-49.20	
			<i>For Economy Grade, Deduct</i>	-28.12	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-14.06	
			<i>For High Grade, Add</i>	14.06	
			<i>For Higher Grade, Add</i>	28.12	
			<i>For Deluxe Grade, Add</i>	56.23	
			<i>For Custom Deluxe Grade, Add</i>	61.96	
			<i>For Custom Built In Place, Add</i>	40.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0176 EA 42" Enclosed Sink Base Cabinet, 2 Doors, 2 Drawers With Tamper-Proof Screw Mounted Front Panel	209.29	30.67
For Plastic Laminate On Particle Board, Deduct	-51.79	
For Economy Grade, Deduct	-29.60	
For Premium Grade Plywood With Plastic Laminate, Deduct	-14.80	
For High Grade, Add	14.80	
For Higher Grade, Add	29.60	
For Deluxe Grade, Add	59.19	
For Custom Deluxe Grade, Add	65.32	
For Custom Built In Place, Add	43.13	
06 41 13 00-0177 EA 45" Enclosed Sink Base Cabinet, 2 Doors, 2 Drawers With Tamper-Proof Screw Mounted Front Panel	216.69	30.67
For Plastic Laminate On Particle Board, Deduct	-54.38	
For Economy Grade, Deduct	-31.08	
For Premium Grade Plywood With Plastic Laminate, Deduct	-15.54	
For High Grade, Add	15.54	
For Higher Grade, Add	31.08	
For Deluxe Grade, Add	62.15	
For Custom Deluxe Grade, Add	68.28	
For Custom Built In Place, Add	44.98	
06 41 13 00-0178 EA 48" Enclosed Sink Base Cabinet, 2 Doors, 2 Drawers With Tamper-Proof Screw Mounted Front Panel	231.10	34.17
For Plastic Laminate On Particle Board, Deduct	-56.97	
For Economy Grade, Deduct	-32.56	
For Premium Grade Plywood With Plastic Laminate, Deduct	-16.28	
For High Grade, Add	16.28	
For Higher Grade, Add	32.56	
For Deluxe Grade, Add	65.11	
For Custom Deluxe Grade, Add	71.94	
For Custom Built In Place, Add	47.53	
06 41 13 00-0179 EA 12" Base Cabinet (Full Height Doors)	129.59	15.48
For Plastic Laminate On Particle Board, Deduct	-34.53	
For Economy Grade, Deduct	-19.73	
For Premium Grade Plywood With Plastic Laminate, Deduct	-9.87	
For High Grade, Add	9.87	
For Higher Grade, Add	19.73	
For Deluxe Grade, Add	39.46	
For Custom Deluxe Grade, Add	42.55	
For Custom Built In Place, Add	27.76	
06 41 13 00-0180 EA 15" Base Cabinet (Full Height Doors)	143.50	18.12
For Plastic Laminate On Particle Board, Deduct	-37.55	
For Economy Grade, Deduct	-21.46	
For Premium Grade Plywood With Plastic Laminate, Deduct	-10.73	
For High Grade, Add	10.73	
For Higher Grade, Add	21.46	
For Deluxe Grade, Add	42.91	
For Custom Deluxe Grade, Add	46.53	
For Custom Built In Place, Add	30.44	
06 41 13 00-0181 EA 18" Base Cabinet (Full Height Doors)	153.69	20.74
For Plastic Laminate On Particle Board, Deduct	-39.28	
For Economy Grade, Deduct	-22.44	
For Premium Grade Plywood With Plastic Laminate, Deduct	-11.22	
For High Grade, Add	11.22	
For Higher Grade, Add	22.44	
For Deluxe Grade, Add	44.89	
For Custom Deluxe Grade, Add	49.04	
For Custom Built In Place, Add	32.20	
06 41 13 00-0182 EA 21" Base Cabinet (Full Height Doors)	167.01	23.08
For Plastic Laminate On Particle Board, Deduct	-42.30	
For Economy Grade, Deduct	-24.17	
For Premium Grade Plywood With Plastic Laminate, Deduct	-12.09	
For High Grade, Add	12.09	
For Higher Grade, Add	24.17	
For Deluxe Grade, Add	48.34	
For Custom Deluxe Grade, Add	52.96	
For Custom Built In Place, Add	34.83	
06 41 13 00-0183 EA 24" Base Cabinet (Full Height Doors)	178.04	23.66
For Plastic Laminate On Particle Board, Deduct	-45.75	
For Economy Grade, Deduct	-26.14	
For Premium Grade Plywood With Plastic Laminate, Deduct	-13.07	
For High Grade, Add	13.07	
For Higher Grade, Add	26.14	
For Deluxe Grade, Add	52.28	
For Custom Deluxe Grade, Add	57.02	
For Custom Built In Place, Add	37.41	
06 41 13 00-0184 EA 24" Base Cabinet, 2 Doors (Full Height Doors)	187.91	23.66
For Plastic Laminate On Particle Board, Deduct	-49.20	
For Economy Grade, Deduct	-28.12	
For Premium Grade Plywood With Plastic Laminate, Deduct	-14.06	
For High Grade, Add	14.06	
For Higher Grade, Add	28.12	
For Deluxe Grade, Add	56.23	
For Custom Deluxe Grade, Add	60.97	
For Custom Built In Place, Add	39.88	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0185	EA		27" Base Cabinet (Full Height Doors)	200.08	24.83
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-52.65	
			<i>For Economy Grade, Deduct</i>	-30.09	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-15.04	
			<i>For High Grade, Add</i>	15.04	
			<i>For Higher Grade, Add</i>	30.09	
			<i>For Deluxe Grade, Add</i>	60.18	
			<i>For Custom Deluxe Grade, Add</i>	65.14	
			<i>For Custom Built In Place, Add</i>	42.57	
06 41 13 00-0186	EA		30" Base Cabinet (Full Height Doors)	211.57	26.87
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-55.24	
			<i>For Economy Grade, Deduct</i>	-31.57	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-15.78	
			<i>For High Grade, Add</i>	15.78	
			<i>For Higher Grade, Add</i>	31.57	
			<i>For Deluxe Grade, Add</i>	63.14	
			<i>For Custom Deluxe Grade, Add</i>	68.51	
			<i>For Custom Built In Place, Add</i>	44.83	
06 41 13 00-0187	EA		33" Base Cabinet (Full Height Doors)	218.97	26.87
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-57.83	
			<i>For Economy Grade, Deduct</i>	-33.05	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-16.52	
			<i>For High Grade, Add</i>	16.52	
			<i>For Higher Grade, Add</i>	33.05	
			<i>For Deluxe Grade, Add</i>	66.10	
			<i>For Custom Deluxe Grade, Add</i>	71.47	
			<i>For Custom Built In Place, Add</i>	46.68	
06 41 13 00-0188	EA		36" Base Cabinet (Full Height Doors)	229.87	28.62
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-60.42	
			<i>For Economy Grade, Deduct</i>	-34.53	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-17.26	
			<i>For High Grade, Add</i>	17.26	
			<i>For Higher Grade, Add</i>	34.53	
			<i>For Deluxe Grade, Add</i>	69.06	
			<i>For Custom Deluxe Grade, Add</i>	74.78	
			<i>For Custom Built In Place, Add</i>	48.88	
06 41 13 00-0189	EA		39" Base Cabinet (Full Height Doors)	237.27	28.62
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-63.01	
			<i>For Economy Grade, Deduct</i>	-36.01	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-18.00	
			<i>For High Grade, Add</i>	18.00	
			<i>For Higher Grade, Add</i>	36.01	
			<i>For Deluxe Grade, Add</i>	72.02	
			<i>For Custom Deluxe Grade, Add</i>	77.74	
			<i>For Custom Built In Place, Add</i>	50.73	
06 41 13 00-0190	EA		42" Base Cabinet (Full Height Doors)	248.75	30.67
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-65.60	
			<i>For Economy Grade, Deduct</i>	-37.49	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-18.74	
			<i>For High Grade, Add</i>	18.74	
			<i>For Higher Grade, Add</i>	37.49	
			<i>For Deluxe Grade, Add</i>	74.98	
			<i>For Custom Deluxe Grade, Add</i>	81.11	
			<i>For Custom Built In Place, Add</i>	52.99	
06 41 13 00-0191	EA		48" Base Cabinet (Full Height Doors)	268.08	34.17
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-69.92	
			<i>For Economy Grade, Deduct</i>	-39.95	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-19.98	
			<i>For High Grade, Add</i>	19.98	
			<i>For Higher Grade, Add</i>	39.95	
			<i>For Deluxe Grade, Add</i>	79.91	
			<i>For Custom Deluxe Grade, Add</i>	86.74	
			<i>For Custom Built In Place, Add</i>	56.77	
06 41 13 00-0192	EA		27" x 24" x 84" Oven / Microwave Cabinet.....	419.58	24.83
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-129.48	
			<i>For Economy Grade, Deduct</i>	-73.99	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-36.99	
			<i>For High Grade, Add</i>	36.99	
			<i>For Higher Grade, Add</i>	73.99	
			<i>For Deluxe Grade, Add</i>	147.98	
			<i>For Custom Deluxe Grade, Add</i>	152.94	
			<i>For Custom Built In Place, Add</i>	97.45	
06 41 13 00-0193	EA		30" x 24" x 84" Oven / Microwave Cabinet.....	448.34	26.87
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-138.11	
			<i>For Economy Grade, Deduct</i>	-78.92	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-39.46	
			<i>For High Grade, Add</i>	39.46	
			<i>For Higher Grade, Add</i>	78.92	
			<i>For Deluxe Grade, Add</i>	157.84	
			<i>For Custom Deluxe Grade, Add</i>	163.22	
			<i>For Custom Built In Place, Add</i>	104.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0194 EA 33" x 24" x 84" Oven / Microwave Cabinet	473.00	26.87
For Plastic Laminate On Particle Board, Deduct	-146.74	
For Economy Grade, Deduct	-83.85	
For Premium Grade Plywood With Plastic Laminate, Deduct	-41.93	
For High Grade, Add	41.93	
For Higher Grade, Add	83.85	
For Deluxe Grade, Add	167.71	
For Custom Deluxe Grade, Add	173.08	
For Custom Built In Place, Add	110.19	
06 41 13 00-0195 EA 27" x 24" x 84" Universal Oven Cabinet.....	419.58	24.83
For Plastic Laminate On Particle Board, Deduct	-129.48	
For Economy Grade, Deduct	-73.99	
For Premium Grade Plywood With Plastic Laminate, Deduct	-36.99	
For High Grade, Add	36.99	
For Higher Grade, Add	73.99	
For Deluxe Grade, Add	147.98	
For Custom Deluxe Grade, Add	152.94	
For Custom Built In Place, Add	97.45	
06 41 13 00-0196 EA 30" x 24" x 84" Universal Oven Cabinet.....	448.34	26.87
For Plastic Laminate On Particle Board, Deduct	-138.11	
For Economy Grade, Deduct	-78.92	
For Premium Grade Plywood With Plastic Laminate, Deduct	-39.46	
For High Grade, Add	39.46	
For Higher Grade, Add	78.92	
For Deluxe Grade, Add	157.84	
For Custom Deluxe Grade, Add	163.22	
For Custom Built In Place, Add	104.03	
06 41 13 00-0197 EA 6" x 30" Wall Quarter Circle Shelf	71.66	15.48
For Plastic Laminate On Particle Board, Deduct	-14.24	
For Economy Grade, Deduct	-8.14	
For Premium Grade Plywood With Plastic Laminate, Deduct	-4.07	
For High Grade, Add	4.07	
For Higher Grade, Add	8.14	
For Deluxe Grade, Add	16.28	
For Custom Deluxe Grade, Add	19.37	
For Custom Built In Place, Add	13.27	
06 41 13 00-0198 EA 6" x 52" Wall Quarter Circle Shelf	84.31	18.12
For Plastic Laminate On Particle Board, Deduct	-16.83	
For Economy Grade, Deduct	-9.62	
For Premium Grade Plywood With Plastic Laminate, Deduct	-4.61	
For High Grade, Add	4.61	
For Higher Grade, Add	9.62	
For Deluxe Grade, Add	19.24	
For Custom Deluxe Grade, Add	22.86	
For Custom Built In Place, Add	15.64	
06 41 13 00-0199 EA 12" x 96", 3/4" Utility Shelf	33.43	4.38
For Plastic Laminate On Particle Board, Deduct	-8.63	
For Economy Grade, Deduct	-4.93	
For Premium Grade Plywood With Plastic Laminate, Deduct	-2.47	
For High Grade, Add	2.47	
For Higher Grade, Add	4.93	
For Deluxe Grade, Add	9.86	
For Custom Deluxe Grade, Add	10.74	
For Custom Built In Place, Add	7.04	
06 41 13 00-0200 EA 24" x 96", 3/4" Utility Shelf	58.10	4.38
For Plastic Laminate On Particle Board, Deduct	-17.27	
For Economy Grade, Deduct	-9.87	
For Premium Grade Plywood With Plastic Laminate, Deduct	-4.93	
For High Grade, Add	4.93	
For Higher Grade, Add	9.87	
For Deluxe Grade, Add	19.73	
For Custom Deluxe Grade, Add	20.61	
For Custom Built In Place, Add	13.21	
06 41 13 00-0201 EA 9" x 9" Shelf Brace Support	26.48	5.84
For Plastic Laminate On Particle Board, Deduct	-5.18	
For Economy Grade, Deduct	-2.96	
For Premium Grade Plywood With Plastic Laminate, Deduct	-1.48	
For High Grade, Add	1.48	
For Higher Grade, Add	2.96	
For Deluxe Grade, Add	5.92	
For Custom Deluxe Grade, Add	7.09	
For Custom Built In Place, Add	4.87	
06 41 13 00-0202 EA 24" Wall Decorator End Panels	42.51	5.84
For Plastic Laminate On Particle Board, Deduct	-10.79	
For Economy Grade, Deduct	-6.17	
For Premium Grade Plywood With Plastic Laminate, Deduct	-3.08	
For High Grade, Add	3.08	
For Higher Grade, Add	6.17	
For Deluxe Grade, Add	12.33	
For Custom Deluxe Grade, Add	13.50	
For Custom Built In Place, Add	8.88	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0203	EA		30" Wall Decorator End Panels.....	43.68	6.43
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-10.79	
			<i>For Economy Grade, Deduct</i>	-6.17	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-3.08	
			<i>For High Grade, Add</i>	3.08	
			<i>For Higher Grade, Add</i>	6.17	
			<i>For Deluxe Grade, Add</i>	12.33	
			<i>For Custom Deluxe Grade, Add</i>	13.62	
			<i>For Custom Built In Place, Add</i>	8.99	
06 41 13 00-0204	EA		42" Wall Decorator End Panels.....	51.59	7.30
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-12.95	
			<i>For Economy Grade, Deduct</i>	-7.40	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-3.70	
			<i>For High Grade, Add</i>	3.70	
			<i>For Higher Grade, Add</i>	7.40	
			<i>For Deluxe Grade, Add</i>	14.80	
			<i>For Custom Deluxe Grade, Add</i>	16.26	
			<i>For Custom Built In Place, Add</i>	10.71	
06 41 13 00-0205	EA		36" Scalloped Valance.....	22.78	5.84
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-3.89	
			<i>For Economy Grade, Deduct</i>	-2.22	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-1.11	
			<i>For High Grade, Add</i>	1.11	
			<i>For Higher Grade, Add</i>	2.22	
			<i>For Deluxe Grade, Add</i>	4.44	
			<i>For Custom Deluxe Grade, Add</i>	5.61	
			<i>For Custom Built In Place, Add</i>	3.94	
06 41 13 00-0206	EA		48" Scalloped Valance.....	25.24	5.84
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-4.75	
			<i>For Economy Grade, Deduct</i>	-2.71	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-1.36	
			<i>For High Grade, Add</i>	1.36	
			<i>For Higher Grade, Add</i>	2.71	
			<i>For Deluxe Grade, Add</i>	5.42	
			<i>For Custom Deluxe Grade, Add</i>	6.59	
			<i>For Custom Built In Place, Add</i>	4.56	
06 41 13 00-0207	EA		60" Scalloped Valance.....	31.41	5.84
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-6.91	
			<i>For Economy Grade, Deduct</i>	-3.95	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-1.97	
			<i>For High Grade, Add</i>	1.97	
			<i>For Higher Grade, Add</i>	3.95	
			<i>For Deluxe Grade, Add</i>	7.89	
			<i>For Custom Deluxe Grade, Add</i>	9.06	
			<i>For Custom Built In Place, Add</i>	6.10	
06 41 13 00-0208	EA		72" Scalloped Valance.....	38.81	5.84
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-9.50	
			<i>For Economy Grade, Deduct</i>	-5.43	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-2.71	
			<i>For High Grade, Add</i>	2.71	
			<i>For Higher Grade, Add</i>	5.43	
			<i>For Deluxe Grade, Add</i>	10.85	
			<i>For Custom Deluxe Grade, Add</i>	12.02	
			<i>For Custom Built In Place, Add</i>	7.95	
06 41 13 00-0209	EA		36" Straight Valance.....	22.78	5.84
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-3.89	
			<i>For Economy Grade, Deduct</i>	-2.22	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-1.11	
			<i>For High Grade, Add</i>	1.11	
			<i>For Higher Grade, Add</i>	2.22	
			<i>For Deluxe Grade, Add</i>	4.44	
			<i>For Custom Deluxe Grade, Add</i>	5.61	
			<i>For Custom Built In Place, Add</i>	3.94	
06 41 13 00-0210	EA		48" Straight Valance.....	25.24	5.84
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-4.75	
			<i>For Economy Grade, Deduct</i>	-2.71	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-1.36	
			<i>For High Grade, Add</i>	1.36	
			<i>For Higher Grade, Add</i>	2.71	
			<i>For Deluxe Grade, Add</i>	5.42	
			<i>For Custom Deluxe Grade, Add</i>	6.59	
			<i>For Custom Built In Place, Add</i>	4.56	
06 41 13 00-0211	EA		60" Straight Valance.....	31.41	5.84
			<i>For Plastic Laminate On Particle Board, Deduct</i>	-6.91	
			<i>For Economy Grade, Deduct</i>	-3.95	
			<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-1.97	
			<i>For High Grade, Add</i>	1.97	
			<i>For Higher Grade, Add</i>	3.95	
			<i>For Deluxe Grade, Add</i>	7.89	
			<i>For Custom Deluxe Grade, Add</i>	9.06	
			<i>For Custom Built In Place, Add</i>	6.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0212 EA 72" Straight Valance	38.81	5.84
<i>For Plastic Laminate On Particle Board, Deduct</i>	-9.50	
<i>For Economy Grade, Deduct</i>	-5.43	
<i>For Premium Grade Plywood With Plastic Laminate, Deduct</i>	-2.71	
<i>For High Grade, Add</i>	2.71	
<i>For Higher Grade, Add</i>	5.43	
<i>For Deluxe Grade, Add</i>	10.85	
<i>For Custom Deluxe Grade, Add</i>	12.02	
<i>For Custom Built In Place, Add</i>	7.95	
06 41 13 00-0213 Removal And Reinstallation Of Cabinet Or Counters (06 41 13)		
Note: Includes storage, cleaning and supply materials. Any height or width.		
06 41 13 00-0214 LF Removal And Reinstallation Of Wood Base Cabinets	44.72	
06 41 13 00-0215 LF Removal And Reinstallation Of Wall Cabinets	38.88	
06 41 13 00-0216 LF Removal And Reinstallation Of Plastic Laminated Countertops	9.21	
06 41 93 Cabinet And Drawer Hardware (06 41)		
06 41 93 00-0001 Cabinet Hardware (06 41 93)		
Note: Includes all mounting screws.		
06 41 93 00-0002 EA Hinges, Concealed, Steel, Full Or Half Overlay, Self Closing	15.28	5.84
06 41 93 00-0003 EA Hinges, Semi Concealed, Brass	18.79	5.84
06 41 93 00-0004 EA Pull Handles, Solid Brass	13.41	4.97
06 41 93 00-0005 EA Pull Knobs, Solid Brass	12.25	3.79
06 41 93 00-0006 EA Cabinet Ball And Catch	21.44	5.84
06 41 93 00-0007 EA Cabinet Drawer Lock Square Style, Surface Mount	47.57	5.84
06 41 93 00-0008 EA Cabinet Drawer Lock Square Style, Mortise Mount	87.09	8.77
06 41 93 00-0009 EA Cabinet Drawer Lock For Hollow Metal Drawers	25.55	4.97
06 41 93 00-0010 EA Door Catch	18.26	4.97
06 41 93 00-0011 EA Surface Bolt, Solid Brass	28.00	4.97
06 42 Wood Paneling (06 40)		
Note: Includes glue for installation.		
06 42 13 Wood Board Paneling (06 42)		
06 42 13 00-0001 Solid Wood Paneling (06 42 13)		
06 42 13 00-0002 7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide (06 42 13 00-0001)		
06 42 13 00-0003 SF Homestead Cedar Paneling Tongue And Groove, 7/16"	6.25	1.23
06 42 13 00-0004 SF Homestead Juniper Paneling Tongue And Groove, 7/16"	6.62	1.23
06 42 13 00-0005 7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide (06 42 13 00-0001)		
06 42 13 00-0006 SF 8" Random Plank Tongue And Groove, 7/16"	8.11	1.17
06 42 13 00-0007 SF 8" Solid Plank Tongue And Groove, 7/16"	7.47	1.17
06 42 13 00-0008 1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide (06 42 13 00-0001)		
06 42 13 00-0009 SF Alder Wood Tongue And Groove Paneling, 1/2"	7.36	1.23
06 42 13 00-0010 1" Solid Wood Paneling, Shiplap, 6" To 8" Wide (06 42 13 00-0001)		
06 42 13 00-0011 SF 1" Teredo (Driftwood) Wood Shiplap	4.58	1.05
06 42 16 Flush Wood Paneling (06 42)		
06 42 16 00-0001 Veneer Hardboard Panels (06 42 16)		
06 42 16 00-0002 SF 1/4" Veneer Paneling (Mapes)	3.64	1.06
<i>For Waterproof Glue, Add</i>	0.09	
<i>For Ceiling Installation, Add</i>	0.73	
06 42 16 00-0003 Plywood Unfinished With Trim 1/4" Thick (06 42 16)		
06 42 16 00-0004 Birch (06 42 16 00-0003)		
06 42 16 00-0005 SF 1/4" Unfinished Birch Plywood, Natural Faced With Trim	3.02	0.95
<i>For Waterproof Glue, Add</i>	0.06	
<i>For Ceiling Installation, Add</i>	0.64	
<i>For Installation On Metal Studs Or Furring, Add</i>	0.23	
<i>For Glue Laminated Installation, Add</i>	0.15	
<i>For Lumber Core, Add</i>	0.10	
<i>For 1/8" Thick Paneling, Deduct</i>	-0.30	
<i>For 1/2" Thick Paneling, Add</i>	0.74	
<i>For 5/8" Thick Paneling, Add</i>	0.92	
<i>For 3/4" Thick Paneling, Add</i>	1.16	
<i>For Fire Retardant Treatment (Class I), Add</i>	0.70	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 42 Wood Paneling**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
06 42 16 00-0006		Top Grade Plywood Prefinished With Trim 1/4" Thick <small>(06 42 16)</small>			
06 42 16 00-0007	SF	1/4" Top Grade Plywood, Birch Veneer Prefinished With Trim	3.37		1.06
		For Flitch Matched Veneer, Add	0.50		
		For Second Grade Veneer, Deduct	-0.10		
		For Third Grade Veneer, Deduct	-0.15		
		For Waterproof Glue, Add	0.07		
		For Ceiling Installation, Add	0.71		
		For Installation On Metal Studs Or Furring, Add	0.26		
		For Glue Laminated Installation, Add	0.17		
		For Lumber Core, Add	0.11		
		For 1/8" Thick Paneling, Deduct	-0.33		
		For 1/2" Thick Paneling, Add	0.82		
		For 5/8" Thick Paneling, Add	1.03		
		For 3/4" Thick Paneling, Add	1.30		
		For Fire Retardant Treatment (Class I), Add	0.79		
06 42 16 00-0008	SF	1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim	3.81		1.06
		For Flitch Matched Veneer, Add	0.72		
		For Second Grade Veneer, Deduct	-0.14		
		For Third Grade Veneer, Deduct	-0.22		
		For Waterproof Glue, Add	0.10		
		For Ceiling Installation, Add	0.71		
		For Installation On Metal Studs Or Furring, Add	0.26		
		For Glue Laminated Installation, Add	0.19		
		For Lumber Core, Add	0.16		
		For 1/8" Thick Paneling, Deduct	-0.41		
		For 1/2" Thick Paneling, Add	1.06		
		For 5/8" Thick Paneling, Add	1.36		
		For 3/4" Thick Paneling, Add	1.75		
		For Fire Retardant Treatment (Class I), Add	1.14		
06 42 16 00-0009	SF	1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim	5.15		1.06
		For Flitch Matched Veneer, Add	1.25		
		For Second Grade Veneer, Deduct	-0.25		
		For Third Grade Veneer, Deduct	-0.37		
		For Waterproof Glue, Add	0.17		
		For Ceiling Installation, Add	0.80		
		For Installation On Metal Studs Or Furring, Add	0.29		
		For Glue Laminated Installation, Add	0.26		
		For Lumber Core, Add	0.27		
		For 1/8" Thick Paneling, Deduct	-0.60		
		For 1/2" Thick Paneling, Add	1.66		
		For 5/8" Thick Paneling, Add	2.19		
		For 3/4" Thick Paneling, Add	2.86		
		For Fire Retardant Treatment (Class I), Add	1.97		
06 42 16 00-0010	SF	1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim	3.47		1.06
		For Flitch Matched Veneer, Add	0.55		
		For Second Grade Veneer, Deduct	-0.11		
		For Third Grade Veneer, Deduct	-0.17		
		For Waterproof Glue, Add	0.08		
		For Ceiling Installation, Add	0.71		
		For Installation On Metal Studs Or Furring, Add	0.26		
		For Glue Laminated Installation, Add	0.17		
		For Lumber Core, Add	0.12		
		For 1/8" Thick Paneling, Deduct	-0.35		
		For 1/2" Thick Paneling, Add	0.88		
		For 5/8" Thick Paneling, Add	1.11		
		For 3/4" Thick Paneling, Add	1.41		
		For Fire Retardant Treatment (Class I), Add	0.87		
06 42 16 00-0011	SF	1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim	4.49		1.06
		For Flitch Matched Veneer, Add	1.06		
		For Second Grade Veneer, Deduct	-0.21		
		For Third Grade Veneer, Deduct	-0.32		
		For Waterproof Glue, Add	0.15		
		For Ceiling Installation, Add	0.71		
		For Installation On Metal Studs Or Furring, Add	0.26		
		For Glue Laminated Installation, Add	0.22		
		For Lumber Core, Add	0.23		
		For 1/8" Thick Paneling, Deduct	-0.52		
		For 1/2" Thick Paneling, Add	1.43		
		For 5/8" Thick Paneling, Add	1.87		
		For 3/4" Thick Paneling, Add	2.45		
		For Fire Retardant Treatment (Class I), Add	1.67		
06 42 16 00-0012	SF	1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim	3.50		1.06
		For Flitch Matched Veneer, Add	0.57		
		For Second Grade Veneer, Deduct	-0.11		
		For Third Grade Veneer, Deduct	-0.17		
		For Waterproof Glue, Add	0.08		
		For Ceiling Installation, Add	0.71		
		For Installation On Metal Studs Or Furring, Add	0.26		
		For Glue Laminated Installation, Add	0.18		
		For Lumber Core, Add	0.12		
		For 1/8" Thick Paneling, Deduct	-0.35		
		For 1/2" Thick Paneling, Add	0.89		
		For 5/8" Thick Paneling, Add	1.13		
		For 3/4" Thick Paneling, Add	1.44		
		For Fire Retardant Treatment (Class I), Add	0.89		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0013 Accessories (06 42 16)		
06 42 16 00-0014 EA Aluminum Panel Retainer "J" With Bolt.....	13.42	
06 42 19 Plastic-Laminate-Faced Wood Paneling (06 42)		
06 42 19 00-0001 Plastic Laminate (06 42 19)		
Note: Standard colors and patterns.		
06 42 19 00-0002 SF 1/16" Plastic Laminate Faced Panel.....	5.59	2.05
Note: Includes cutting to fit.		
06 43 Wood Stairs And Railings (06 40)		
06 43 16 Wood Railings (06 43)		
06 43 16 00-0001 Handrails (06 43 16)		
06 43 16 00-0002 Wood Handrail With Brackets (06 43 16 00-0001)		
Note: Includes pine, fir or red oak interior grade or pressure treated exterior grade handrail with brackets.		
06 43 16 00-0003 LF 1-1/2" x 1-11/16", Wood Handrail With Brackets.....	9.60	2.92
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.34	
06 43 16 00-0004 LF 1-7/8" x 2-5/8", Wood Handrail With Brackets.....	10.35	2.92
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.34	
06 43 16 00-0005 LF 1-1/2" Diameter, Wood Handrail With Brackets.....	12.88	2.92
06 43 16 00-0006 LF 1-3/4" Diameter, Wood Handrail With Brackets.....	13.51	2.92
06 43 16 00-0007 LF 2" Diameter, Wood Handrail With Brackets.....	15.78	2.92
06 43 16 00-0008 LF 2-1/2" Diameter, Wood Handrail With Brackets.....	22.79	2.92
06 44 Ornamental Woodwork (06 40)		
06 44 39 Wood Posts And Columns (06 44)		
06 44 39 00-0001 Columns (06 44 39)		
06 44 39 00-0002 Pine Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001)		
Note: Paint grade/finger jointed pine.		
06 44 39 00-0003 LF 6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	38.66	4.23
06 44 39 00-0004 LF 8" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	48.64	6.18
06 44 39 00-0005 LF 10" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	59.47	7.16
06 44 39 00-0006 LF 12" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	70.89	7.48
06 44 39 00-0007 LF 14" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	156.08	8.45
06 44 39 00-0008 LF 16" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	181.09	9.11
06 44 39 00-0009 LF 18" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	217.66	9.76
06 44 39 00-0010 LF 20" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	259.52	10.41
06 44 39 00-0011 LF 6" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	44.33	4.23
06 44 39 00-0012 LF 8" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	53.19	6.18
06 44 39 00-0013 LF 10" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	65.75	7.16
06 44 39 00-0014 LF 12" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	77.60	7.48
06 44 39 00-0015 LF 14" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	169.70	8.45
06 44 39 00-0016 LF 16" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	229.98	9.11
06 44 39 00-0017 LF 18" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	247.94	9.76
06 44 39 00-0018 LF 20" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	278.98	10.41
06 44 39 00-0019 Pine Colonial Columns, Round Non Tapered With Cap And Base (06 44 39 00-0001)		
Note: Paint grade/finger jointed pine.		
06 44 39 00-0020 LF 6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	46.28	4.23
06 44 39 00-0021 LF 8" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	57.30	6.18
06 44 39 00-0022 LF 10" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	70.72	7.16
06 44 39 00-0023 LF 12" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	84.95	7.48
06 44 39 00-0024 LF 14" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	191.36	8.45
06 44 39 00-0025 LF 16" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	222.41	9.11
06 44 39 00-0026 LF 18" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	267.91	9.76
06 44 39 00-0027 LF 20" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	320.04	10.41
06 44 39 00-0028 LF 6" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	53.37	4.23
06 44 39 00-0029 LF 8" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	63.50	6.18
06 44 39 00-0030 LF 10" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	78.86	7.16
06 44 39 00-0031 LF 12" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	93.56	7.48
06 44 39 00-0032 LF 14" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	208.42	8.45
06 44 39 00-0033 LF 16" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	283.69	9.11
06 44 39 00-0034 LF 18" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	305.87	9.76
06 44 39 00-0035 LF 20" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	344.46	10.41
06 44 39 00-0036 Pine Classical Columns, Round Tapered With Cap And Base (06 44 39 00-0001)		
Note: Paint grade/finger jointed pine.		
06 44 39 00-0037 LF 6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	41.36	4.23
06 44 39 00-0038 LF 8" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	51.88	6.18
06 44 39 00-0039 LF 10" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	63.55	7.16
06 44 39 00-0040 LF 12" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	75.93	7.48

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 44 Ornamental Woodwork**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0041	LF		6" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	47.53	4.23
06 44 39 00-0042	LF		8" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	56.83	6.18
06 44 39 00-0043	LF		10" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	70.39	7.16
06 44 39 00-0044	LF		12" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	83.24	7.48
06 44 39 00-0045			Redwood Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001)		
			Note: Paint grade/finger jointed redwood.		
06 44 39 00-0046	LF		6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	64.02	4.23
06 44 39 00-0047	LF		8" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	77.20	6.18
06 44 39 00-0048	LF		10" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	96.03	7.16
06 44 39 00-0049	LF		12" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	117.18	7.48
06 44 39 00-0050	LF		6" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	73.53	4.23
06 44 39 00-0051	LF		8" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	87.36	6.18
06 44 39 00-0052	LF		10" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	107.93	7.16
06 44 39 00-0053	LF		12" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	132.75	7.48
06 44 39 00-0054			Ornamental Or Decorative Cap And Bases, Resin (06 44 39 00-0001)		
			Note: For tapered wood columns.		
06 44 39 00-0055	EA		6" Resin Corinthian Capital And Base.....	199.27	8.78
06 44 39 00-0056	EA		8" Resin Corinthian Capital And Base.....	300.72	9.76
06 44 39 00-0057	EA		10" Resin Corinthian Capital And Base.....	418.61	11.39
06 44 39 00-0058	EA		12" Resin Corinthian Capital And Base.....	534.34	13.01
06 44 39 00-0059	EA		6" Resin Greek Erectheum Cap And Base	177.64	8.78
06 44 39 00-0060	EA		8" Resin Greek Erectheum Cap And Base	246.64	9.76
06 44 39 00-0061	EA		10" Resin Greek Erectheum Cap And Base	306.13	11.39
06 44 39 00-0062	EA		12" Resin Greek Erectheum Cap And Base	400.23	13.01
06 44 39 00-0063	EA		6" Resin Roman Ionic Capital And Base.....	186.93	9.11
06 44 39 00-0064	EA		8" Resin Roman Ionic Capital And Base	246.64	9.76
06 44 39 00-0065	EA		10" Resin Roman Ionic Capital And Base	306.13	11.39
06 44 39 00-0066	EA		12" Resin Roman Ionic Capital And Base.....	389.42	13.01
06 44 39 00-0067	EA		6" Resin Scamozzi Capital And Base	189.09	9.11
06 44 39 00-0068	EA		8" Resin Scamozzi Capital And Base	268.27	9.76
06 44 39 00-0069	EA		10" Resin Scamozzi Capital And Base	316.95	11.39
06 44 39 00-0070	EA		12" Resin Scamozzi Capital And Base	434.84	13.01
06 44 39 00-0071	EA		6" Resin Temple Of Winds Cap And Base.....	189.09	9.11
06 44 39 00-0072	EA		8" Resin Temple Of Winds Cap And Base.....	292.07	9.76
06 44 39 00-0073	EA		10" Resin Temple Of Winds Cap And Base.....	386.17	11.39
06 44 39 00-0074	EA		12" Resin Temple Of Winds Cap And Base.....	478.10	13.01
06 44 39 00-0075			Ornamental Or Decorative Cap And Bases, Plaster (06 44 39 00-0001)		
			Note: For tapered wood columns.		
06 44 39 00-0076	EA		6" Plaster Corinthian Capital And Base.....	400.44	8.78
06 44 39 00-0077	EA		8" Plaster Corinthian Capital And Base.....	449.97	9.76
06 44 39 00-0078	EA		10" Plaster Corinthian Capital And Base.....	572.19	11.39
06 44 39 00-0079	EA		12" Plaster Corinthian Capital And Base.....	629.52	13.01
06 44 39 00-0080	EA		6" Plaster Greek Erectheum Cap And Base	266.32	8.78
06 44 39 00-0081	EA		8" Plaster Greek Erectheum Cap And Base	309.37	9.76
06 44 39 00-0082	EA		10" Plaster Greek Erectheum Cap And Base	381.84	11.39
06 44 39 00-0083	EA		12" Plaster Greek Erectheum Cap And Base	480.27	13.01
06 44 39 00-0084	EA		6" Plaster Roman Ionic Capital And Base.....	256.15	9.11
06 44 39 00-0085	EA		8" Plaster Roman Ionic Capital And Base.....	335.33	9.76
06 44 39 00-0086	EA		10" Plaster Roman Ionic Capital And Base.....	405.64	11.39
06 44 39 00-0087	EA		12" Plaster Roman Ionic Capital And Base.....	480.27	13.01
06 44 39 00-0088	EA		6" Plaster Scamozzi Capital And Base	303.74	9.11
06 44 39 00-0089	EA		8" Plaster Scamozzi Capital And Base	402.39	9.76
06 44 39 00-0090	EA		10" Plaster Scamozzi Capital And Base	453.22	11.39
06 44 39 00-0091	EA		12" Plaster Scamozzi Capital And Base	575.44	13.01
06 44 39 00-0092	EA		6" Plaster Temple Of Winds Cap And Base.....	256.15	9.11
06 44 39 00-0093	EA		8" Plaster Temple Of Winds Cap And Base.....	331.00	9.76
06 44 39 00-0094	EA		10" Plaster Temple Of Winds Cap And Base.....	431.59	11.39
06 44 39 00-0095	EA		12" Plaster Temple Of Winds Cap And Base.....	551.65	13.01
06 44 39 00-0096	EA		6" Plaster Empire Capital And Base	288.60	9.11
06 44 39 00-0097	EA		8" Plaster Empire Capital And Base	352.63	9.76
06 44 39 00-0098	EA		10" Plaster Empire Capital And Base.....	429.43	11.39
06 44 39 00-0099	EA		12" Plaster Empire Capital And Base.....	480.27	13.01
06 46 Wood Trim (06 40)					
06 46 13 Wood Door and Window Casings (06 46)					
06 46 13 00-0001 Door and Window Casings (06 46 13)					
06 46 13 00-0002	LF		1-1/8" Wide Plain Pine Door And Window Molding.....	2.74	0.94
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.48	
06 46 13 00-0003	LF		1-1/8" Wide Detailed Pine Door And Window Molding.....	2.77	0.94
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.48	
06 46 13 00-0004	LF		2-1/2" Wide Pine Complete Door And Window Trim.....	3.47	0.94
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 19 Wood Base And Shoe Moldings (06 46)		
06 46 19 00-0001 Base And Shoe Molding (06 46 19)		
06 46 19 00-0002 LF 1/2" x 1/2" Pine Quarter Round Trim <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	2.83 0.56	1.11
06 46 19 00-0003 LF 3/4" x 3/4" Pine Quarter Round Trim <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.03 0.56	1.11
06 46 19 00-0004 LF 3-1/2" High White Pine Base Molding, All Dimensions Are Nominal..... <i>For Clear Birch, Add</i> <i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i> <i>For Clear Poplar, Add</i>	3.63 0.41 0.81 0.23 0.26	0.71
06 46 19 00-0005 LF 4-1/2" High White Pine Base Molding, All Dimensions Are Nominal..... <i>For Clear Birch, Add</i> <i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i> <i>For Clear Poplar, Add</i>	4.40 0.47 0.96 0.27 0.30	0.88
06 46 19 00-0006 LF 5-1/2" High White Pine Base Molding, All Dimensions Are Nominal..... <i>For Clear Birch, Add</i> <i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i> <i>For Clear Poplar, Add</i>	5.51 0.73 1.35 0.41 0.46	0.99
06 46 19 00-0007 LF 3/4" x 1" Oak Base Shoe	3.55	1.11
06 46 19 00-0008 LF 3/4" x 1" White Pine Base Shoe, Stain Grade.....	3.44	1.11
06 46 19 00-0009 LF 3/4" x 1" White Pine Base Shoe, Paint Grade.....	3.18	1.11
06 46 23 Wood Chair Rails (06 46)		
06 46 23 00-0001 Chair Rails (06 46 23)		
06 46 23 00-0002 LF 5/8" x 2-1/2" White Pine Shaped Chair Rail..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i>	4.45 0.68 1.18 0.42	1.05
06 46 23 00-0003 LF 5/8" x 3-1/2" White Pine Shaped Chair Rail..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i>	5.52 1.02 1.67 0.64	1.05
06 46 23 00-0004 LF 1/2" x 1-5/8" White Pine Shaped Chair Rail..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i>	3.31 0.50 0.87 0.31	1.05
06 46 26 Wood Cornices (06 46)		
06 46 26 00-0001 Wood Cornices (06 46 26)		
06 46 26 00-0002 LF 1" x 2" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	3.30 0.35 0.67 0.43	1.05
06 46 26 00-0003 LF 1" x 4" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	4.17 0.63 1.03 0.78	1.11
06 46 26 00-0004 LF 1" x 6" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	5.85 1.19 1.74 1.49	1.17
06 46 26 00-0005 LF 1" x 8" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	6.77 1.48 2.12 1.85	1.17
06 46 26 00-0006 LF 1" x 10" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	7.83 1.82 2.55 2.27	1.23
06 46 26 00-0007 LF 1" x 12" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	10.11 2.59 3.53 3.24	1.34
06 46 29 Wood Fasciae And Soffits (06 46)		
06 46 29 00-0001 Fascia Board (06 46 29)		
06 46 29 00-0002 Pine Fascia Board (06 46 29 00-0001)		
06 46 29 00-0003 LF 1" x 6" Pine Fascia Board.....	2.92	1.17
06 46 29 00-0004 LF 1" x 8" Pine Fascia Board.....	3.36	1.30
06 46 29 00-0005 LF 1" x 10" Pine Fascia Board.....	3.68	1.36
06 46 29 00-0006 LF 1" x 12" Pine Fascia Board.....	4.40	1.52
06 46 29 00-0007 LF 2" x 6" Pine Fascia Board.....	2.88	1.17

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 46 29 00-0008	LF	2" x 8" Pine Fascia Board.....		3.30	1.30
06 46 29 00-0009	LF	2" x 10" Pine Fascia Board.....		3.76	1.36
06 46 29 00-0010	LF	2" x 12" Pine Fascia Board.....		4.66	1.52
06 46 29 00-0011	LF	2" x 6" Trim, Exterior, Pine, Resawn Fascia.....		3.62	1.17
06 46 29 00-0012	LF	2" x 8" Trim, Exterior, Pine, Resawn Fascia.....		4.28	1.30
06 46 29 00-0013	LF	2" x 10" Trim, Exterior, Pine, Resawn Fascia.....		4.86	1.36
06 46 29 00-0014	LF	2" x 12" Trim, Exterior, Pine, Resawn Fascia.....		6.29	1.52
06 46 29 00-0015		Cedar Fascia Board (06 46 29 00-0001)			
06 46 29 00-0016	LF	1" x 6" Cedar Fascia Board.....		3.20	1.17
06 46 29 00-0017	LF	1" x 8" Cedar Fascia Board.....		3.80	1.30
06 46 29 00-0018	LF	1" x 10" Cedar Fascia Board.....		4.51	1.36
06 46 29 00-0019	LF	1" x 12" Cedar Fascia Board.....		5.57	1.52
06 46 29 00-0020		Engineered Wood Fascia Board (06 46 29 00-0001)			
06 46 29 00-0021	LF	1" x 6" Engineered Wood Fascia Board.....		2.76	1.17
06 46 29 00-0022	LF	1" x 8" Engineered Wood Fascia Board.....		3.15	1.30
06 46 29 00-0023	LF	1" x 12" Engineered Wood Fascia Board.....		3.89	1.52
06 46 29 00-0024		Soffit (06 46 29)			
06 46 29 00-0025		Sanded Plywood Soffit (06 46 29 00-0024)			
06 46 29 00-0026	SF	3/8" Thick, Sanded Plywood Soffit.....		2.52	0.89
06 46 29 00-0027	SF	1/2" Thick, Sanded Plywood Soffit.....		2.77	0.93
06 46 29 00-0028	SF	5/8" Thick, Sanded Plywood Soffit.....		2.92	0.97
06 46 29 00-0029	SF	3/4" Thick, Sanded Plywood Soffit.....		3.25	1.03
06 46 29 00-0030		MDO Plywood Soffit (06 46 29 00-0024)			
06 46 29 00-0031	SF	3/8" Thick, MDO Plywood Soffit.....		2.86	0.89
06 46 29 00-0032	SF	1/2" Thick, MDO Plywood Soffit.....		3.20	0.93
06 46 29 00-0033	SF	3/4" Thick, MDO Plywood Soffit.....		4.09	1.03
06 46 29 00-0034		Exterior Ceiling Gypsum Board Soffit (06 46 29 00-0024)			
06 46 29 00-0035	SF	1/2" Thick, Exterior Ceiling Gypsum Board Soffit.....		2.01	0.78
06 46 29 00-0036	SF	5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit.....		2.19	0.82
06 46 36		Custom Wood Molding (06 46)			
Note: Includes set-up, knife charge, gluing (Where necessary for widths over 7-1/2"). All dimensions are nominal.					
06 46 36 00-0001		Ash (06 46 36)			
06 46 36 00-0002	LF	3/4" x 1-1/2" Custom Shaped Ash.....		4.22	0.65
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.47	
06 46 36 00-0003	LF	3/4" x 2-1/2" Custom Shaped Ash.....		5.36	0.65
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.49	
06 46 36 00-0004	LF	3/4" x 3-1/2" Custom Shaped Ash.....		6.52	0.65
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.50	
06 46 36 00-0005	LF	3/4" x 4-1/2" Custom Shaped Ash.....		7.67	0.71
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.52	
06 46 36 00-0006	LF	3/4" x 5-1/2" Custom Shaped Ash.....		8.88	0.71
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.55	
06 46 36 00-0007	LF	3/4" x 6-1/2" Custom Shaped Ash.....		10.09	0.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.58	
06 46 36 00-0008	LF	3/4" x 7-1/2" Custom Shaped Ash.....		11.22	0.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.59	
06 46 36 00-0009	LF	3/4" x 8-1/2" Custom Shaped Ash.....		12.38	0.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.61	
06 46 36 00-0010	LF	3/4" x 9-1/2" Custom Shaped Ash.....		13.51	0.82
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.62	
06 46 36 00-0011	LF	3/4" x 10-1/2" Custom Shaped Ash.....		14.73	0.82
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.65	
06 46 36 00-0012	LF	3/4" x 11-1/2" Custom Shaped Ash.....		15.90	0.88
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.67	
06 46 36 00-0013	LF	1" x 1-1/2" Custom Shaped Ash.....		5.03	0.65
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.49	
06 46 36 00-0014	LF	1" x 2-1/2" Custom Shaped Ash.....		6.53	0.65
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.50	
06 46 36 00-0015	LF	1" x 3-1/2" Custom Shaped Ash.....		8.04	0.71
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.52	
06 46 36 00-0016	LF	1" x 4-1/2" Custom Shaped Ash.....		9.55	0.71
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.53	
06 46 36 00-0017	LF	1" x 5-1/2" Custom Shaped Ash.....		11.14	0.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.56	
06 46 36 00-0018	LF	1" x 6-1/2" Custom Shaped Ash.....		12.72	0.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.59	
06 46 36 00-0019	LF	1" x 7-1/2" Custom Shaped Ash.....		14.22	0.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0020 LF 1" x 8-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.74 0.62	0.82
06 46 36 00-0021 LF 1" x 9-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.24 0.63	0.82
06 46 36 00-0022 LF 1" x 10-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.83 0.66	0.88
06 46 36 00-0023 LF 1" x 11-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.37 0.69	0.88
06 46 36 00-0024 LF 1-1/4" x 1-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.03 0.50	0.65
06 46 36 00-0025 LF 1-1/4" x 2-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.03 0.52	0.65
06 46 36 00-0026 LF 1-1/4" x 3-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.04 0.53	0.71
06 46 36 00-0027 LF 1-1/4" x 4-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.03 0.55	0.71
06 46 36 00-0028 LF 1-1/4" x 5-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.09 0.58	0.76
06 46 36 00-0029 LF 1-1/4" x 6-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.15 0.60	0.76
06 46 36 00-0030 LF 1-1/4" x 7-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.14 0.62	0.82
06 46 36 00-0031 LF 1-1/4" x 8-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.15 0.64	0.82
06 46 36 00-0032 LF 1-1/4" x 9-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.11 0.64	0.82
06 46 36 00-0033 LF 1-1/4" x 10-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.19 0.68	0.88
06 46 36 00-0034 LF 1-1/4" x 11-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.22 0.70	0.94
06 46 36 00-0035 LF 1-1/2" x 1-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.48 0.51	0.65
06 46 36 00-0036 LF 1-1/2" x 2-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.18 0.53	0.71
06 46 36 00-0037 LF 1-1/2" x 3-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.87 0.54	0.71
06 46 36 00-0038 LF 1-1/2" x 4-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.56 0.56	0.76
06 46 36 00-0039 LF 1-1/2" x 5-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.26 0.58	0.76
06 46 36 00-0040 LF 1-1/2" x 6-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.08 0.62	0.82
06 46 36 00-0041 LF 1-1/2" x 7-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.81 0.63	0.82
06 46 36 00-0042 LF 1-1/2" x 8-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.47 0.65	0.82
06 46 36 00-0043 LF 1-1/2" x 9-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.13 0.66	0.88
06 46 36 00-0044 LF 1-1/2" x 10-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.16 0.69	0.88
06 46 36 00-0045 LF 1-1/2" x 11-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.62 0.71	0.94
06 46 36 00-0046 Basswood <small>(06 46 36)</small>		
06 46 36 00-0047 LF 3/4" x 1-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.50 0.47	0.65
06 46 36 00-0048 LF 3/4" x 2-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.28 0.49	0.65
06 46 36 00-0049 LF 3/4" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.07 0.50	0.65
06 46 36 00-0050 LF 3/4" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.87 0.52	0.71
06 46 36 00-0051 LF 3/4" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.72 0.55	0.71
06 46 36 00-0052 LF 3/4" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.57 0.58	0.76
06 46 36 00-0053 LF 3/4" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.34 0.59	0.76
06 46 36 00-0054 LF 3/4" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.14 0.61	0.82
06 46 36 00-0055 LF 3/4" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.90 0.62	0.82
06 46 36 00-0056 LF 3/4" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.76 0.65	0.88
06 46 36 00-0057 LF 3/4" x 11-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.57 0.67	0.88
06 46 36 00-0058 LF 1" x 1-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.00 0.49	0.65
06 46 36 00-0059 LF 1" x 2-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.99 0.50	0.65
06 46 36 00-0060 LF 1" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.98 0.52	0.71

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 36 00-0061	LF 1" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.97 0.53	0.71
06 46 36 00-0062	LF 1" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.05 0.56	0.76
06 46 36 00-0063	LF 1" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.11 0.59	0.76
06 46 36 00-0064	LF 1" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.10 0.60	0.82
06 46 36 00-0065	LF 1" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.10 0.62	0.82
06 46 36 00-0066	LF 1" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.09 0.63	0.82
06 46 36 00-0067	LF 1" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.16 0.66	0.88
06 46 36 00-0068	LF 1" x 11-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.19 0.69	0.88
06 46 36 00-0069	LF 1-1/2" x 1-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.47 0.50	0.65
06 46 36 00-0070	LF 1-1/2" x 2-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.18 0.52	0.65
06 46 36 00-0071	LF 1-1/2" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.90 0.53	0.71
06 46 36 00-0072	LF 1-1/2" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.61 0.55	0.71
06 46 36 00-0073	LF 1-1/2" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.39 0.58	0.76
06 46 36 00-0074	LF 1-1/2" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.17 0.60	0.82
06 46 36 00-0075	LF 1-1/2" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.87 0.62	0.82
06 46 36 00-0076	LF 1-1/2" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.60 0.64	0.82
06 46 36 00-0077	LF 1-1/2" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.28 0.64	0.82
06 46 36 00-0078	LF 1-1/2" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.08 0.68	0.88
06 46 36 00-0079	LF 1-1/2" x 11-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.82 0.70	0.94
06 46 36 00-0080	LF 3-1/2" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.46 0.58	0.76
06 46 36 00-0081	LF 3-1/2" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.31 0.60	0.76
06 46 36 00-0082	LF 3-1/2" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.12 0.62	0.82
06 46 36 00-0083	LF 3-1/2" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	36.03 0.66	0.88
06 46 36 00-0084	LF 3-1/2" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	40.83 0.67	0.88
06 46 36 00-0085	LF 3-1/2" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	45.74 0.70	0.94
06 46 36 00-0086	LF 3-1/2" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	50.48 0.71	0.94
06 46 36 00-0087	LF 3-1/2" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	55.28 0.73	0.94
06 46 36 00-0088	LF 3-1/2" x 11-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	60.19 0.77	0.99

06 46 36 00-0089 Birch (06 46 36)

06 46 36 00-0090	LF 3/4" x 1-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.76 0.47	0.65
06 46 36 00-0091	LF 3/4" x 2-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.67 0.49	0.65
06 46 36 00-0092	LF 3/4" x 3-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.59 0.50	0.65
06 46 36 00-0093	LF 3/4" x 4-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.51 0.52	0.71
06 46 36 00-0094	LF 3/4" x 5-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.49 0.55	0.71
06 46 36 00-0095	LF 3/4" x 6-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.47 0.58	0.76
06 46 36 00-0096	LF 3/4" x 7-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.37 0.59	0.76
06 46 36 00-0097	LF 3/4" x 8-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.30 0.61	0.76
06 46 36 00-0098	LF 3/4" x 9-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.19 0.62	0.82
06 46 36 00-0099	LF 3/4" x 10-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.18 0.65	0.82
06 46 36 00-0100	LF 3/4" x 11-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.12 0.67	0.88
06 46 36 00-0101	LF 1" x 1-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.39 0.49	0.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0102 LF 1" x 2-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.55 0.50	0.65
06 46 36 00-0103 LF 1" x 3-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.76 0.52	0.71
06 46 36 00-0104 LF 1" x 4-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.95 0.53	0.71
06 46 36 00-0105 LF 1" x 5-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.21 0.56	0.76
06 46 36 00-0106 LF 1" x 6-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.45 0.59	0.76
06 46 36 00-0107 LF 1" x 7-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.64 0.60	0.76
06 46 36 00-0108 LF 1" x 8-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.86 0.62	0.82
06 46 36 00-0109 LF 1" x 9-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.02 0.63	0.82
06 46 36 00-0110 LF 1" x 10-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.28 0.66	0.88
06 46 36 00-0111 LF 1" x 11-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.51 0.69	0.88
06 46 36 00-0112 LF 1-1/4" x 1-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.11 0.50	0.65
06 46 36 00-0113 LF 1-1/4" x 2-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.64 0.52	0.65
06 46 36 00-0114 LF 1-1/4" x 3-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.18 0.53	0.71
06 46 36 00-0115 LF 1-1/4" x 4-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.71 0.55	0.71
06 46 36 00-0116 LF 1-1/4" x 5-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.31 0.58	0.76
06 46 36 00-0117 LF 1-1/4" x 6-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.90 0.60	0.76
06 46 36 00-0118 LF 1-1/4" x 7-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.43 0.62	0.82
06 46 36 00-0119 LF 1-1/4" x 8-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.98 0.64	0.82
06 46 36 00-0120 LF 1-1/4" x 9-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.48 0.64	0.82
06 46 36 00-0121 LF 1-1/4" x 10-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.10 0.68	0.88
06 46 36 00-0122 LF 1-1/4" x 11-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.65 0.70	0.94
06 46 36 00-0123 LF 1-1/2" x 1-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.25 0.51	0.65
06 46 36 00-0124 LF 1-1/2" x 2-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.33 0.53	0.71
06 46 36 00-0125 LF 1-1/2" x 3-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.39 0.54	0.71
06 46 36 00-0126 LF 1-1/2" x 4-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.47 0.56	0.76
06 46 36 00-0127 LF 1-1/2" x 5-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.55 0.58	0.76
06 46 36 00-0128 LF 1-1/2" x 6-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.75 0.62	0.82
06 46 36 00-0129 LF 1-1/2" x 7-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.82 0.63	0.82
06 46 36 00-0130 LF 1-1/2" x 8-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.91 0.65	0.82
06 46 36 00-0131 LF 1-1/2" x 9-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.95 0.66	0.88
06 46 36 00-0132 LF 1-1/2" x 10-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.36 0.69	0.88
06 46 36 00-0133 LF 1-1/2" x 11-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.20 0.71	0.94
06 46 36 00-0134 Clear Western Cedar (06 46 36)		
06 46 36 00-0135 LF 3/4" x 1-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.76 0.47	0.65
06 46 36 00-0136 LF 3/4" x 2-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.67 0.49	0.65
06 46 36 00-0137 LF 3/4" x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.59 0.50	0.65
06 46 36 00-0138 LF 3/4" x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.51 0.52	0.71
06 46 36 00-0139 LF 3/4" x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.49 0.55	0.71
06 46 36 00-0140 LF 3/4" x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.47 0.58	0.76
06 46 36 00-0141 LF 1" x 1-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.44 0.49	0.65
06 46 36 00-0142 LF 1" x 2-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.66 0.50	0.65

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0143	LF		1" x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.89 0.52	0.71
06 46 36 00-0144	LF		1" x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.10 0.53	0.71
06 46 36 00-0145	LF		1" x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.39 0.56	0.76
06 46 36 00-0146	LF		1" x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.68 0.59	0.76
06 46 36 00-0147	LF		1-1/4" x 1-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.78 0.50	0.65
06 46 36 00-0148	LF		1-1/4" x 2-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.65 0.52	0.65
06 46 36 00-0149	LF		1-1/4" x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.52 0.53	0.71
06 46 36 00-0150	LF		1-1/4" x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.38 0.55	0.71
06 46 36 00-0151	LF		1-1/4" x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.32 0.58	0.76
06 46 36 00-0152	LF		1-1/4" x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.25 0.60	0.76
06 46 36 00-0153	LF		1-1/2" x 1-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.94 0.51	0.65
06 46 36 00-0154	LF		1-1/2" x 2-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.86 0.53	0.71
06 46 36 00-0155	LF		1-1/2" x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.78 0.54	0.71
06 46 36 00-0156	LF		1-1/2" x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.70 0.56	0.76
06 46 36 00-0157	LF		1-1/2" x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.62 0.58	0.76
06 46 36 00-0158	LF		1-1/2" x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.67 0.62	0.82
06 46 36 00-0159	LF		3-1/2" x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.99 0.58	0.76
06 46 36 00-0160	LF		3-1/2" x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.22 0.60	0.76
06 46 36 00-0161	LF		3-1/2" x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.41 0.62	0.82
06 46 36 00-0162	LF		3-1/2" x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.70 0.66	0.88
06 46 36 00-0163	LF		3-1/2" x 7-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.88 0.67	0.88
06 46 36 00-0164	LF		3-1/2" x 8-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	40.12 0.70	0.94
06 46 36 00-0165	LF		3-1/2" x 9-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	44.30 0.71	0.94
06 46 36 00-0166	LF		3-1/2" x 10-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	48.48 0.73	0.94
06 46 36 00-0167	LF		3-1/2" x 11-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	52.77 0.77	0.99
06 46 36 00-0168			Cherry <small>(06 46 36)</small>		
06 46 36 00-0169	LF		3/4" x 1-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.58 0.47	0.65
06 46 36 00-0170	LF		3/4" x 2-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.91 0.49	0.65
06 46 36 00-0171	LF		3/4" x 3-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.24 0.50	0.65
06 46 36 00-0172	LF		3/4" x 4-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.57 0.52	0.71
06 46 36 00-0173	LF		3/4" x 5-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.96 0.55	0.71
06 46 36 00-0174	LF		3/4" x 6-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.35 0.58	0.76
06 46 36 00-0175	LF		3/4" x 7-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.66 0.59	0.76
06 46 36 00-0176	LF		3/4" x 8-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.01 0.61	0.76
06 46 36 00-0177	LF		3/4" x 9-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.31 0.62	0.82
06 46 36 00-0178	LF		3/4" x 10-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.71 0.65	0.82
06 46 36 00-0179	LF		3/4" x 11-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.06 0.67	0.88
06 46 36 00-0180	LF		1" x 1-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.47 0.49	0.65
06 46 36 00-0181	LF		1" x 2-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.20 0.50	0.65
06 46 36 00-0182	LF		1" x 3-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.95 0.52	0.71
06 46 36 00-0183	LF		1" x 4-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.68 0.53	0.71



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0184	LF		1" x 5-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.48 0.56	0.76
06 46 36 00-0185	LF		1" x 6-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.29 0.59	0.76
06 46 36 00-0186	LF		1" x 7-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.02 0.60	0.76
06 46 36 00-0187	LF		1" x 8-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.80 0.62	0.82
06 46 36 00-0188	LF		1" x 9-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.48 0.63	0.82
06 46 36 00-0189	LF		1" x 10-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.30 0.66	0.88
06 46 36 00-0190	LF		1" x 11-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.08 0.69	0.88
06 46 36 00-0191	LF		1-1/4" x 1-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.42 0.50	0.65
06 46 36 00-0192	LF		1-1/4" x 2-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.63 0.52	0.65
06 46 36 00-0193	LF		1-1/4" x 3-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.81 0.53	0.71
06 46 36 00-0194	LF		1-1/4" x 4-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.01 0.55	0.71
06 46 36 00-0195	LF		1-1/4" x 5-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.25 0.58	0.76
06 46 36 00-0196	LF		1-1/4" x 6-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.51 0.60	0.76
06 46 36 00-0197	LF		1-1/4" x 7-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.69 0.62	0.82
06 46 36 00-0198	LF		1-1/4" x 8-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.90 0.64	0.82
06 46 36 00-0199	LF		1-1/4" x 9-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.04 0.64	0.82
06 46 36 00-0200	LF		1-1/4" x 10-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.33 0.68	0.88
06 46 36 00-0201	LF		1-1/4" x 11-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.53 0.70	0.94
06 46 36 00-0202	LF		1-1/2" x 1-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.20 0.51	0.65
06 46 36 00-0203	LF		1-1/2" x 2-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.26 0.53	0.71
06 46 36 00-0204	LF		1-1/2" x 3-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.31 0.54	0.71
06 46 36 00-0205	LF		1-1/2" x 4-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.37 0.56	0.76
06 46 36 00-0206	LF		1-1/2" x 5-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.42 0.58	0.76
06 46 36 00-0207	LF		1-1/2" x 6-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.60 0.62	0.82
06 46 36 00-0208	LF		1-1/2" x 7-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.65 0.63	0.82
06 46 36 00-0209	LF		1-1/2" x 8-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.71 0.65	0.82
06 46 36 00-0210	LF		1-1/2" x 9-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.73 0.66	0.88
06 46 36 00-0211	LF		1-1/2" x 10-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.92 0.69	0.88
06 46 36 00-0212	LF		1-1/2" x 11-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.95 0.71	0.94
06 46 36 00-0213			Cypress <small>(06 46 36)</small>		
06 46 36 00-0214	LF		3/4" x 1-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.50 0.47	0.65
06 46 36 00-0215	LF		3/4" x 2-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.28 0.49	0.65
06 46 36 00-0216	LF		3/4" x 3-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.07 0.50	0.65
06 46 36 00-0217	LF		3/4" x 4-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.87 0.52	0.71
06 46 36 00-0218	LF		3/4" x 5-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.72 0.55	0.71
06 46 36 00-0219	LF		3/4" x 6-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.57 0.58	0.76
06 46 36 00-0220	LF		3/4" x 7-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.54 0.59	0.76
06 46 36 00-0221	LF		3/4" x 8-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.37 0.61	0.76
06 46 36 00-0222	LF		3/4" x 9-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.93 0.62	0.82
06 46 36 00-0223	LF		3/4" x 10-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.89 0.65	0.82
06 46 36 00-0224	LF		1" x 1-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.64 0.49	0.65

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0225	LF		1" x 2-1/2" Custom Shaped Cypress.....	5.94	0.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.50	
06 46 36 00-0226	LF		1" x 3-1/2" Custom Shaped Cypress.....	7.27	0.71
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.52	
06 46 36 00-0227	LF		1" x 4-1/2" Custom Shaped Cypress.....	8.59	0.71
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.53	
06 46 36 00-0228	LF		1" x 5-1/2" Custom Shaped Cypress.....	9.98	0.76
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.56	
06 46 36 00-0229	LF		1" x 6-1/2" Custom Shaped Cypress.....	11.35	0.76
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.59	
06 46 36 00-0230	LF		1" x 7-1/2" Custom Shaped Cypress.....	12.67	0.76
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.60	
06 46 36 00-0231	LF		1" x 8-1/2" Custom Shaped Cypress.....	14.01	0.82
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.62	
06 46 36 00-0232	LF		1" x 9-1/2" Custom Shaped Cypress.....	15.31	0.82
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.63	
06 46 36 00-0233	LF		1" x 10-1/2" Custom Shaped Cypress.....	16.74	0.88
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.66	
06 46 36 00-0234	LF		1" x 11-1/2" Custom Shaped Cypress.....	18.05	0.88
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.69	
06 46 36 00-0235	LF		1-1/2" x 1-1/2" Custom Shaped Cypress.....	5.42	0.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.51	
06 46 36 00-0236	LF		1-1/2" x 2-1/2" Custom Shaped Cypress.....	7.09	0.71
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.53	
06 46 36 00-0237	LF		1-1/2" x 3-1/2" Custom Shaped Cypress.....	8.75	0.71
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.54	
06 46 36 00-0238	LF		1-1/2" x 4-1/2" Custom Shaped Cypress.....	10.41	0.76
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.56	
06 46 36 00-0239	LF		1-1/2" x 5-1/2" Custom Shaped Cypress.....	12.08	0.76
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.58	
06 46 36 00-0240	LF		1-1/2" x 6-1/2" Custom Shaped Cypress.....	13.87	0.82
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.62	
06 46 36 00-0241	LF		1-1/2" x 7-1/2" Custom Shaped Cypress.....	15.52	0.82
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.63	
06 46 36 00-0242	LF		1-1/2" x 8-1/2" Custom Shaped Cypress.....	17.20	0.82
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.65	
06 46 36 00-0243	LF		1-1/2" x 9-1/2" Custom Shaped Cypress.....	20.37	0.88
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.66	
06 46 36 00-0244	LF		1-1/2" x 10-1/2" Custom Shaped Cypress.....	22.22	0.88
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.69	
06 46 36 00-0245	Fir	<small>(06 46 36)</small>			
06 46 36 00-0246	LF		3/4" x 1-1/2" Custom Shaped Fir.....	3.91	0.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.47	
06 46 36 00-0247	LF		3/4" x 2-1/2" Custom Shaped Fir.....	4.90	0.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.49	
06 46 36 00-0248	LF		3/4" x 3-1/2" Custom Shaped Fir.....	5.90	0.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.50	
06 46 36 00-0249	LF		3/4" x 4-1/2" Custom Shaped Fir.....	6.90	0.71
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.52	
06 46 36 00-0250	LF		3/4" x 5-1/2" Custom Shaped Fir.....	7.95	0.71
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.55	
06 46 36 00-0251	LF		3/4" x 6-1/2" Custom Shaped Fir.....	9.01	0.76
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.58	
06 46 36 00-0252	LF		3/4" x 7-1/2" Custom Shaped Fir.....	9.99	0.76
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.59	
06 46 36 00-0253	LF		3/4" x 8-1/2" Custom Shaped Fir.....	10.99	0.76
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.61	
06 46 36 00-0254	LF		3/4" x 9-1/2" Custom Shaped Fir.....	11.96	0.82
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.62	
06 46 36 00-0255	LF		3/4" x 10-1/2" Custom Shaped Fir.....	13.03	0.88
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.65	
06 46 36 00-0256	LF		1" x 1-1/2" Custom Shaped Fir.....	4.64	0.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.49	
06 46 36 00-0257	LF		1" x 2-1/2" Custom Shaped Fir.....	5.94	0.65
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.50	
06 46 36 00-0258	LF		1" x 3-1/2" Custom Shaped Fir.....	7.27	0.71
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.52	
06 46 36 00-0259	LF		1" x 4-1/2" Custom Shaped Fir.....	8.59	0.71
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.53	
06 46 36 00-0260	LF		1" x 5-1/2" Custom Shaped Fir.....	9.98	0.76
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.56	
06 46 36 00-0261	LF		1" x 6-1/2" Custom Shaped Fir.....	11.35	0.76
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.59	
06 46 36 00-0262	LF		1" x 7-1/2" Custom Shaped Fir.....	12.67	0.76
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.60	
06 46 36 00-0263	LF		1" x 8-1/2" Custom Shaped Fir.....	14.01	0.82
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.62	
06 46 36 00-0264	LF		1" x 9-1/2" Custom Shaped Fir.....	15.31	0.82
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.63	
06 46 36 00-0265	LF		1" x 10-1/2" Custom Shaped Fir.....	16.74	0.88
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.66	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0266	LF		1" x 11-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.05 0.69	0.88
06 46 36 00-0267	LF		1-1/4" x 1-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.18 0.50	0.65
06 46 36 00-0268	LF		1-1/4" x 2-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.77 0.52	0.65
06 46 36 00-0269	LF		1-1/4" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.34 0.53	0.71
06 46 36 00-0270	LF		1-1/4" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.91 0.55	0.71
06 46 36 00-0271	LF		1-1/4" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.54 0.58	0.76
06 46 36 00-0272	LF		1-1/4" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.19 0.60	0.76
06 46 36 00-0273	LF		1-1/4" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.74 0.62	0.82
06 46 36 00-0274	LF		1-1/4" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.34 0.64	0.82
06 46 36 00-0275	LF		1-1/4" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.86 0.64	0.82
06 46 36 00-0276	LF		1-1/4" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.53 0.68	0.88
06 46 36 00-0277	LF		1-1/4" x 11-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.12 0.70	0.94
06 46 36 00-0278	LF		1-1/2" x 1-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.94 0.51	0.65
06 46 36 00-0279	LF		1-1/2" x 2-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.86 0.53	0.71
06 46 36 00-0280	LF		1-1/2" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.78 0.54	0.71
06 46 36 00-0281	LF		1-1/2" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.70 0.56	0.76
06 46 36 00-0282	LF		1-1/2" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.62 0.58	0.76
06 46 36 00-0283	LF		1-1/2" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.67 0.62	0.82
06 46 36 00-0284	LF		1-1/2" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.58 0.63	0.82
06 46 36 00-0285	LF		1-1/2" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.52 0.65	0.88
06 46 36 00-0286	LF		1-1/2" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.40 0.66	0.88
06 46 36 00-0287	LF		1-1/2" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.40 0.69	0.94
06 46 36 00-0288	LF		1-1/2" x 11-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.35 0.71	0.94
06 46 36 00-0289	LF		2-1/2" x 1-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.76 0.54	0.71
06 46 36 00-0290	LF		2-1/2" x 2-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.52 0.55	0.71
06 46 36 00-0291	LF		2-1/2" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.29 0.57	0.76
06 46 36 00-0292	LF		2-1/2" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.11 0.59	0.76
06 46 36 00-0293	LF		2-1/2" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.88 0.60	0.76
06 46 36 00-0294	LF		2-1/2" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.76 0.64	0.82
06 46 36 00-0295	LF		2-1/2" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.53 0.66	0.88
06 46 36 00-0296	LF		2-1/2" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	36.40 0.69	0.88
06 46 36 00-0297	LF		2-1/2" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	40.12 0.70	0.94
06 46 36 00-0298	LF		2-1/2" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	43.89 0.71	0.94
06 46 36 00-0299	LF		3-1/2" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.51 0.58	0.76
06 46 36 00-0300	LF		3-1/2" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.31 0.60	0.76
06 46 36 00-0301	LF		3-1/2" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.12 0.62	0.82
06 46 36 00-0302	LF		3-1/2" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	36.03 0.66	0.88
06 46 36 00-0303	LF		3-1/2" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	40.83 0.67	0.88
06 46 36 00-0304	LF		3-1/2" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	45.68 0.70	0.94
06 46 36 00-0305	LF		3-1/2" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	50.48 0.71	0.94
06 46 36 00-0306	LF		3-1/2" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	55.28 0.73	0.94

06 Wood, Plastics, and Composites

06 40 Architectural Woodwork

06 46 Wood Trim



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0307	Honduran Mahogany ^(06 46 36)		
06 46 36 00-0308	LF 3/4" x 1-1/2" Custom Shaped Honduras Mahogany.....	4.89	0.65
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.47	
06 46 36 00-0309	LF 3/4" x 2-1/2" Custom Shaped Honduras Mahogany.....	6.37	0.65
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.49	
06 46 36 00-0310	LF 3/4" x 3-1/2" Custom Shaped Honduras Mahogany.....	7.86	0.65
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.50	
06 46 36 00-0311	LF 3/4" x 4-1/2" Custom Shaped Honduras Mahogany.....	9.34	0.71
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.52	
06 46 36 00-0312	LF 3/4" x 5-1/2" Custom Shaped Honduras Mahogany.....	10.89	0.71
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.55	
06 46 36 00-0313	LF 3/4" x 6-1/2" Custom Shaped Honduras Mahogany.....	12.43	0.76
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.58	
06 46 36 00-0314	LF 3/4" x 7-1/2" Custom Shaped Honduras Mahogany.....	13.90	0.76
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.59	
06 46 36 00-0315	LF 3/4" x 8-1/2" Custom Shaped Honduras Mahogany.....	15.40	0.82
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.61	
06 46 36 00-0316	LF 3/4" x 9-1/2" Custom Shaped Honduras Mahogany.....	16.85	0.82
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.62	
06 46 36 00-0317	LF 3/4" x 10-1/2" Custom Shaped Honduras Mahogany.....	18.41	0.88
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.65	
06 46 36 00-0318	LF 3/4" x 11-1/2" Custom Shaped Honduras Mahogany.....	19.92	0.88
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.67	
06 46 36 00-0319	LF 1" x 1-1/2" Custom Shaped Honduras Mahogany.....	5.93	0.65
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.49	
06 46 36 00-0320	LF 1" x 2-1/2" Custom Shaped Honduras Mahogany.....	7.87	0.65
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.50	
06 46 36 00-0321	LF 1" x 3-1/2" Custom Shaped Honduras Mahogany.....	9.85	0.71
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.52	
06 46 36 00-0322	LF 1" x 4-1/2" Custom Shaped Honduras Mahogany.....	11.81	0.71
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.53	
06 46 36 00-0323	LF 1" x 5-1/2" Custom Shaped Honduras Mahogany.....	13.85	0.76
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.56	
06 46 36 00-0324	LF 1" x 6-1/2" Custom Shaped Honduras Mahogany.....	15.86	0.76
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.59	
06 46 36 00-0325	LF 1" x 7-1/2" Custom Shaped Honduras Mahogany.....	17.82	0.82
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.60	
06 46 36 00-0326	LF 1" x 8-1/2" Custom Shaped Honduras Mahogany.....	19.81	0.82
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.62	
06 46 36 00-0327	LF 1" x 9-1/2" Custom Shaped Honduras Mahogany.....	21.74	0.82
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.63	
06 46 36 00-0328	LF 1" x 10-1/2" Custom Shaped Honduras Mahogany.....	23.77	0.88
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.66	
06 46 36 00-0329	LF 1" x 11-1/2" Custom Shaped Honduras Mahogany.....	26.04	0.88
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.69	
06 46 36 00-0330	LF 1-1/4" x 1-1/2" Custom Shaped Honduras Mahogany.....	6.73	0.65
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.50	
06 46 36 00-0331	LF 1-1/4" x 2-1/2" Custom Shaped Honduras Mahogany.....	9.09	0.65
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.52	
06 46 36 00-0332	LF 1-1/4" x 3-1/2" Custom Shaped Honduras Mahogany.....	11.43	0.71
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.53	
06 46 36 00-0333	LF 1-1/4" x 4-1/2" Custom Shaped Honduras Mahogany.....	13.78	0.71
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.55	
06 46 36 00-0334	LF 1-1/4" x 5-1/2" Custom Shaped Honduras Mahogany.....	16.17	0.76
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.58	
06 46 36 00-0335	LF 1-1/4" x 6-1/2" Custom Shaped Honduras Mahogany.....	18.60	0.82
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.60	
06 46 36 00-0336	LF 1-1/4" x 7-1/2" Custom Shaped Honduras Mahogany.....	20.92	0.82
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.62	
06 46 36 00-0337	LF 1-1/4" x 8-1/2" Custom Shaped Honduras Mahogany.....	23.29	0.82
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.64	
06 46 36 00-0338	LF 1-1/4" x 9-1/2" Custom Shaped Honduras Mahogany.....	25.07	0.82
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.64	
06 46 36 00-0339	LF 1-1/4" x 10-1/2" Custom Shaped Honduras Mahogany.....	28.03	0.88
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.68	
06 46 36 00-0340	LF 1-1/4" x 11-1/2" Custom Shaped Honduras Mahogany.....	30.39	0.94
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.70	
06 46 36 00-0341	LF 1-1/2" x 1-1/2" Custom Shaped Honduras Mahogany.....	8.31	0.65
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.51	
06 46 36 00-0342	LF 1-1/2" x 2-1/2" Custom Shaped Honduras Mahogany.....	11.42	0.71
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.53	
06 46 36 00-0343	LF 1-1/2" x 3-1/2" Custom Shaped Honduras Mahogany.....	14.51	0.71
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.54	
06 46 36 00-0344	LF 1-1/2" x 4-1/2" Custom Shaped Honduras Mahogany.....	17.62	0.71
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.56	
06 46 36 00-0345	LF 1-1/2" x 5-1/2" Custom Shaped Honduras Mahogany.....	20.73	0.76
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.58	
06 46 36 00-0346	LF 1-1/2" x 6-1/2" Custom Shaped Honduras Mahogany.....	23.96	0.82
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.62	
06 46 36 00-0347	LF 1-1/2" x 7-1/2" Custom Shaped Honduras Mahogany.....	27.06	0.82
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.63	
06 46 36 00-0348	LF 1-1/2" x 8-1/2" Custom Shaped Honduras Mahogany.....	30.18	0.88
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0349 LF 1-1/2" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.25 0.66	0.88
06 46 36 00-0350 LF 1-1/2" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	36.43 0.69	0.88
06 46 36 00-0351 LF 1-1/2" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.61 0.71	0.94
06 46 36 00-0352 LF 2" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.88 0.52	0.71
06 46 36 00-0353 LF 2" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.75 0.54	0.71
06 46 36 00-0354 LF 2" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.59 0.55	0.71
06 46 36 00-0355 LF 2" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.51 0.58	0.76
06 46 36 00-0356 LF 2" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.36 0.59	0.76
06 46 36 00-0357 LF 2" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.34 0.63	0.82
06 46 36 00-0358 LF 2" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.19 0.64	0.82
06 46 36 00-0359 LF 2" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	37.11 0.67	0.88
06 46 36 00-0360 LF 2" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	40.96 0.69	0.88
06 46 36 00-0361 LF 2" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	44.83 0.70	0.94
06 46 36 00-0362 LF 2" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	48.80 0.74	0.99
06 46 36 00-0363 LF 2-1/2" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.13 0.54	0.71
06 46 36 00-0364 LF 2-1/2" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.31 0.55	0.71
06 46 36 00-0365 LF 2-1/2" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.00 0.57	0.76
06 46 36 00-0366 LF 2-1/2" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.75 0.59	0.76
06 46 36 00-0367 LF 2-1/2" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.44 0.60	0.76
06 46 36 00-0368 LF 2-1/2" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.25 0.64	0.82
06 46 36 00-0369 LF 2-1/2" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.94 0.66	0.88
06 46 36 00-0370 LF 2-1/2" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	44.70 0.69	0.88
06 46 36 00-0371 LF 2-1/2" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	49.39 0.70	0.94
06 46 36 00-0372 LF 2-1/2" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	54.09 0.71	0.94
06 46 36 00-0373 LF 2-1/2" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	58.90 0.75	0.99
06 46 36 00-0374 LF 3-1/2" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.47 0.58	0.76
06 46 36 00-0375 LF 3-1/2" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.07 0.60	0.76
06 46 36 00-0376 LF 3-1/2" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	41.63 0.62	0.82
06 46 36 00-0377 LF 3-1/2" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	48.28 0.66	0.88
06 46 36 00-0378 LF 3-1/2" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	54.83 0.67	0.88
06 46 36 00-0379 LF 3-1/2" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	61.44 0.70	0.94
06 46 36 00-0380 LF 3-1/2" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	67.99 0.71	0.94
06 46 36 00-0381 LF 3-1/2" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	74.54 0.73	0.94
06 46 36 00-0382 LF 3-1/2" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	81.20 0.77	0.99
06 46 36 00-0383 Maple (06 46 36)		
06 46 36 00-0384 LF 3/4" x 1-1/2" Custom Shaped Maple	3.71	0.65
06 46 36 00-0385 LF 3/4" x 2-1/2" Custom Shaped Maple	4.59	0.65
06 46 36 00-0386 LF 3/4" x 3-1/2" Custom Shaped Maple	5.49	0.65
06 46 36 00-0387 LF 3/4" x 4-1/2" Custom Shaped Maple	6.38	0.71
06 46 36 00-0388 LF 3/4" x 5-1/2" Custom Shaped Maple	7.33	0.71
06 46 36 00-0389 LF 3/4" x 6-1/2" Custom Shaped Maple	8.29	0.76
06 46 36 00-0390 LF 3/4" x 7-1/2" Custom Shaped Maple	9.16	0.76
06 46 36 00-0391 LF 3/4" x 8-1/2" Custom Shaped Maple	10.07	0.76
06 46 36 00-0392 LF 3/4" x 9-1/2" Custom Shaped Maple	10.93	0.82
06 46 36 00-0393 LF 3/4" x 10-1/2" Custom Shaped Maple	11.89	0.88
06 46 36 00-0394 LF 3/4" x 11-1/2" Custom Shaped Maple	12.81	0.88
06 46 36 00-0395 LF 1" x 1-1/2" Custom Shaped Maple	4.39	0.65
06 46 36 00-0396 LF 1" x 2-1/2" Custom Shaped Maple	5.55	0.65

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 36 00-0397	LF	1" x 3-1/2" Custom Shaped Maple.....	6.76	0.71
06 46 36 00-0398	LF	1" x 4-1/2" Custom Shaped Maple.....	7.95	0.71
06 46 36 00-0399	LF	1" x 5-1/2" Custom Shaped Maple.....	9.21	0.76
06 46 36 00-0400	LF	1" x 6-1/2" Custom Shaped Maple.....	10.45	0.76
06 46 36 00-0401	LF	1" x 7-1/2" Custom Shaped Maple.....	11.64	0.76
06 46 36 00-0402	LF	1" x 8-1/2" Custom Shaped Maple.....	12.86	0.82
06 46 36 00-0403	LF	1" x 9-1/2" Custom Shaped Maple.....	14.02	0.82
06 46 36 00-0404	LF	1" x 10-1/2" Custom Shaped Maple.....	14.76	0.88
06 46 36 00-0405	LF	1" x 11-1/2" Custom Shaped Maple.....	16.51	0.88
06 46 36 00-0406	LF	1-1/4" x 1-1/2" Custom Shaped Maple.....	4.95	0.65
06 46 36 00-0407	LF	1-1/4" x 2-1/2" Custom Shaped Maple.....	6.41	0.65
06 46 36 00-0408	LF	1-1/4" x 3-1/2" Custom Shaped Maple.....	7.87	0.71
06 46 36 00-0409	LF	1-1/4" x 4-1/2" Custom Shaped Maple.....	9.32	0.71
06 46 36 00-0410	LF	1-1/4" x 5-1/2" Custom Shaped Maple.....	10.84	0.76
06 46 36 00-0411	LF	1-1/4" x 6-1/2" Custom Shaped Maple.....	12.36	0.76
06 46 36 00-0412	LF	1-1/4" x 7-1/2" Custom Shaped Maple.....	13.81	0.82
06 46 36 00-0413	LF	1-1/4" x 8-1/2" Custom Shaped Maple.....	15.29	0.82
06 46 36 00-0414	LF	1-1/4" x 9-1/2" Custom Shaped Maple.....	16.71	0.82
06 46 36 00-0415	LF	1-1/4" x 10-1/2" Custom Shaped Maple.....	18.25	0.88
06 46 36 00-0416	LF	1-1/4" x 11-1/2" Custom Shaped Maple.....	19.73	0.94
06 46 36 00-0417	LF	1-1/2" x 1-1/2" Custom Shaped Maple.....	6.14	0.65
06 46 36 00-0418	LF	1-1/2" x 2-1/2" Custom Shaped Maple.....	8.17	0.71
06 46 36 00-0419	LF	1-1/2" x 3-1/2" Custom Shaped Maple.....	10.19	0.71
06 46 36 00-0420	LF	1-1/2" x 4-1/2" Custom Shaped Maple.....	12.22	0.76
06 46 36 00-0421	LF	1-1/2" x 5-1/2" Custom Shaped Maple.....	14.24	0.76
06 46 36 00-0422	LF	1-1/2" x 6-1/2" Custom Shaped Maple.....	16.39	0.82
06 46 36 00-0423	LF	1-1/2" x 7-1/2" Custom Shaped Maple.....	18.41	0.82
06 46 36 00-0424	LF	1-1/2" x 8-1/2" Custom Shaped Maple.....	20.70	0.88
06 46 36 00-0425	LF	1-1/2" x 9-1/2" Custom Shaped Maple.....	22.43	0.88
06 46 36 00-0426	LF	1-1/2" x 10-1/2" Custom Shaped Maple.....	24.59	0.94
06 46 36 00-0427	LF	1-1/2" x 11-1/2" Custom Shaped Maple.....	26.58	0.94
06 46 36 00-0428	LF	2" x 1-1/2" Custom Shaped Maple.....	8.07	0.71
06 46 36 00-0429	LF	2" x 2-1/2" Custom Shaped Maple.....	11.04	0.71
06 46 36 00-0430	LF	2" x 3-1/2" Custom Shaped Maple.....	13.99	0.71
06 46 36 00-0431	LF	2" x 4-1/2" Custom Shaped Maple.....	17.01	0.76
06 46 36 00-0432	LF	2" x 5-1/2" Custom Shaped Maple.....	19.95	0.76
06 46 36 00-0433	LF	2" x 6-1/2" Custom Shaped Maple.....	23.03	0.82
06 46 36 00-0434	LF	2" x 7-1/2" Custom Shaped Maple.....	25.98	0.82
06 46 36 00-0435	LF	2" x 8-1/2" Custom Shaped Maple.....	29.00	0.88
06 46 36 00-0436	LF	2" x 9-1/2" Custom Shaped Maple.....	31.95	0.88
06 46 36 00-0437	LF	2" x 10-1/2" Custom Shaped Maple.....	34.92	0.94
06 46 36 00-0438	LF	2" x 11-1/2" Custom Shaped Maple.....	38.24	0.99
06 46 36 00-0439	LF	3-1/2" x 3-1/2" Custom Shaped Maple.....	30.53	0.76
06 46 36 00-0440	LF	3-1/2" x 4-1/2" Custom Shaped Maple.....	37.64	0.76
06 46 36 00-0441	LF	3-1/2" x 5-1/2" Custom Shaped Maple.....	44.72	0.82
06 46 36 00-0442	LF	3-1/2" x 6-1/2" Custom Shaped Maple.....	51.89	0.88
06 46 36 00-0443	LF	3-1/2" x 7-1/2" Custom Shaped Maple.....	58.95	0.88
06 46 36 00-0444	LF	3-1/2" x 8-1/2" Custom Shaped Maple.....	66.08	0.94
06 46 36 00-0445	LF	3-1/2" x 9-1/2" Custom Shaped Maple.....	73.14	0.94
06 46 36 00-0446	LF	3-1/2" x 10-1/2" Custom Shaped Maple.....	80.21	0.94
06 46 36 00-0447	LF	3-1/2" x 11-1/2" Custom Shaped Maple.....	87.38	0.99

06 46 36 00-0448 Appl Soft Maple (06 46 36)

06 46 36 00-0449	LF	3/4" x 1-1/2" Custom Shaped Appl Soft Maple.....	3.76	0.65
06 46 36 00-0450	LF	3/4" x 2-1/2" Custom Shaped Appl Soft Maple.....	4.67	0.65
06 46 36 00-0451	LF	3/4" x 3-1/2" Custom Shaped Appl Soft Maple.....	5.59	0.65
06 46 36 00-0452	LF	3/4" x 4-1/2" Custom Shaped Appl Soft Maple.....	6.51	0.71
06 46 36 00-0453	LF	3/4" x 5-1/2" Custom Shaped Appl Soft Maple.....	7.49	0.71
06 46 36 00-0454	LF	3/4" x 6-1/2" Custom Shaped Appl Soft Maple.....	8.47	0.76
06 46 36 00-0455	LF	3/4" x 7-1/2" Custom Shaped Appl Soft Maple.....	9.37	0.76
06 46 36 00-0456	LF	3/4" x 8-1/2" Custom Shaped Appl Soft Maple.....	10.30	0.76
06 46 36 00-0457	LF	3/4" x 9-1/2" Custom Shaped Appl Soft Maple.....	11.19	0.82
06 46 36 00-0458	LF	3/4" x 10-1/2" Custom Shaped Appl Soft Maple.....	12.18	0.88
06 46 36 00-0459	LF	3/4" x 11-1/2" Custom Shaped Appl Soft Maple.....	13.12	0.88
06 46 36 00-0460	LF	1" x 1-1/2" Custom Shaped Appl Soft Maple.....	4.26	0.65
06 46 36 00-0461	LF	1" x 2-1/2" Custom Shaped Appl Soft Maple.....	5.37	0.65
06 46 36 00-0462	LF	1" x 3-1/2" Custom Shaped Appl Soft Maple.....	6.50	0.71
06 46 36 00-0463	LF	1" x 4-1/2" Custom Shaped Appl Soft Maple.....	7.59	0.71
06 46 36 00-0464	LF	1" x 5-1/2" Custom Shaped Appl Soft Maple.....	8.83	0.76
06 46 36 00-0465	LF	1" x 6-1/2" Custom Shaped Appl Soft Maple.....	10.01	0.76
06 46 36 00-0466	LF	1" x 7-1/2" Custom Shaped Appl Soft Maple.....	11.13	0.76
06 46 36 00-0467	LF	1" x 8-1/2" Custom Shaped Appl Soft Maple.....	12.26	0.82
06 46 36 00-0468	LF	1" x 9-1/2" Custom Shaped Appl Soft Maple.....	13.38	0.82
06 46 36 00-0469	LF	1" x 10-1/2" Custom Shaped Appl Soft Maple.....	14.58	0.88
06 46 36 00-0470	LF	1" x 11-1/2" Custom Shaped Appl Soft Maple.....	15.74	0.88
06 46 36 00-0471	LF	1-1/4" x 1-1/2" Custom Shaped Appl Soft Maple.....	4.72	0.65
06 46 36 00-0472	LF	1-1/4" x 2-1/2" Custom Shaped Appl Soft Maple.....	6.08	0.65
06 46 36 00-0473	LF	1-1/4" x 3-1/2" Custom Shaped Appl Soft Maple.....	7.41	0.71
06 46 36 00-0474	LF	1-1/4" x 4-1/2" Custom Shaped Appl Soft Maple.....	8.76	0.71
06 46 36 00-0475	LF	1-1/4" x 5-1/2" Custom Shaped Appl Soft Maple.....	10.15	0.76



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0476	LF		1-1/4" x 6-1/2" Custom Shaped Appl Soft Maple	11.57	0.76
06 46 36 00-0477	LF		1-1/4" x 7-1/2" Custom Shaped Appl Soft Maple	12.89	0.82
06 46 36 00-0478	LF		1-1/4" x 8-1/2" Custom Shaped Appl Soft Maple	14.25	0.82
06 46 36 00-0479	LF		1-1/4" x 9-1/2" Custom Shaped Appl Soft Maple	15.55	0.82
06 46 36 00-0480	LF		1-1/4" x 10-1/2" Custom Shaped Appl Soft Maple	16.98	0.88
06 46 36 00-0481	LF		1-1/4" x 11-1/2" Custom Shaped Appl Soft Maple	18.34	0.94
06 46 36 00-0482	LF		1-1/2" x 1-1/2" Custom Shaped Appl Soft Maple	5.63	0.65
06 46 36 00-0483	LF		1-1/2" x 2-1/2" Custom Shaped Appl Soft Maple	7.40	0.71
06 46 36 00-0484	LF		1-1/2" x 3-1/2" Custom Shaped Appl Soft Maple	9.16	0.71
06 46 36 00-0485	LF		1-1/2" x 4-1/2" Custom Shaped Appl Soft Maple	10.93	0.76
06 46 36 00-0486	LF		1-1/2" x 5-1/2" Custom Shaped Appl Soft Maple	12.70	0.76
06 46 36 00-0487	LF		1-1/2" x 6-1/2" Custom Shaped Appl Soft Maple	14.59	0.82
06 46 36 00-0488	LF		1-1/2" x 7-1/2" Custom Shaped Appl Soft Maple	16.35	0.82
06 46 36 00-0489	LF		1-1/2" x 8-1/2" Custom Shaped Appl Soft Maple	18.13	0.88
06 46 36 00-0490	LF		1-1/2" x 9-1/2" Custom Shaped Appl Soft Maple	19.86	0.88
06 46 36 00-0491	LF		1-1/2" x 10-1/2" Custom Shaped Appl Soft Maple	21.71	0.94
06 46 36 00-0492	LF		1-1/2" x 11-1/2" Custom Shaped Appl Soft Maple	23.49	0.94
06 46 36 00-0493 Red Oak <small>(06 46 36)</small>					
06 46 36 00-0494	LF		3/4" x 1-1/2" Custom Shaped Red Oak.....	4.02	0.65
06 46 36 00-0495	LF		3/4" x 2-1/2" Custom Shaped Red Oak.....	5.06	0.65
06 46 36 00-0496	LF		3/4" x 3-1/2" Custom Shaped Red Oak.....	6.10	0.65
06 46 36 00-0497	LF		3/4" x 4-1/2" Custom Shaped Red Oak.....	7.15	0.71
06 46 36 00-0498	LF		3/4" x 5-1/2" Custom Shaped Red Oak.....	8.26	0.71
06 46 36 00-0499	LF		3/4" x 6-1/2" Custom Shaped Red Oak.....	9.37	0.76
06 46 36 00-0500	LF		3/4" x 7-1/2" Custom Shaped Red Oak.....	10.40	0.76
06 46 36 00-0501	LF		3/4" x 8-1/2" Custom Shaped Red Oak.....	11.46	0.76
06 46 36 00-0502	LF		3/4" x 9-1/2" Custom Shaped Red Oak.....	12.48	0.82
06 46 36 00-0503	LF		3/4" x 10-1/2" Custom Shaped Red Oak.....	13.59	0.88
06 46 36 00-0504	LF		3/4" x 11-1/2" Custom Shaped Red Oak.....	14.66	0.88
06 46 36 00-0505	LF		1" x 1-1/2" Custom Shaped Red Oak	4.82	0.65
06 46 36 00-0506	LF		1" x 2-1/2" Custom Shaped Red Oak	6.25	0.65
06 46 36 00-0507	LF		1" x 3-1/2" Custom Shaped Red Oak	7.66	0.71
06 46 36 00-0508	LF		1" x 4-1/2" Custom Shaped Red Oak	9.60	0.71
06 46 36 00-0509	LF		1" x 5-1/2" Custom Shaped Red Oak	10.55	0.76
06 46 36 00-0510	LF		1" x 6-1/2" Custom Shaped Red Oak	12.05	0.76
06 46 36 00-0511	LF		1" x 7-1/2" Custom Shaped Red Oak	13.45	0.76
06 46 36 00-0512	LF		1" x 8-1/2" Custom Shaped Red Oak	14.86	0.82
06 46 36 00-0513	LF		1" x 9-1/2" Custom Shaped Red Oak	16.26	0.82
06 46 36 00-0514	LF		1" x 10-1/2" Custom Shaped Red Oak	17.77	0.88
06 46 36 00-0515	LF		1" x 11-1/2" Custom Shaped Red Oak	19.21	0.88
06 46 36 00-0516	LF		1-1/4" x 1-1/2" Custom Shaped Red Oak	5.96	0.65
06 46 36 00-0517	LF		1-1/4" x 2-1/2" Custom Shaped Red Oak	7.93	0.65
06 46 36 00-0518	LF		1-1/4" x 3-1/2" Custom Shaped Red Oak	9.88	0.71
06 46 36 00-0519	LF		1-1/4" x 4-1/2" Custom Shaped Red Oak	11.85	0.71
06 46 36 00-0520	LF		1-1/4" x 5-1/2" Custom Shaped Red Oak	13.86	0.76
06 46 36 00-0521	LF		1-1/4" x 6-1/2" Custom Shaped Red Oak	15.89	0.76
06 46 36 00-0522	LF		1-1/4" x 7-1/2" Custom Shaped Red Oak	17.83	0.82
06 46 36 00-0523	LF		1-1/4" x 8-1/2" Custom Shaped Red Oak	19.82	0.82
06 46 36 00-0524	LF		1-1/4" x 9-1/2" Custom Shaped Red Oak	21.73	0.82
06 46 36 00-0525	LF		1-1/4" x 10-1/2" Custom Shaped Red Oak	23.78	0.88
06 46 36 00-0526	LF		1-1/4" x 11-1/2" Custom Shaped Red Oak	25.75	0.94
06 46 36 00-0527	LF		1-1/2" x 1-1/2" Custom Shaped Red Oak	8.31	0.65
06 46 36 00-0528	LF		1-1/2" x 2-1/2" Custom Shaped Red Oak	11.42	0.71
06 46 36 00-0529	LF		1-1/2" x 3-1/2" Custom Shaped Red Oak	14.51	0.71
06 46 36 00-0530	LF		1-1/2" x 4-1/2" Custom Shaped Red Oak	17.62	0.71
06 46 36 00-0531	LF		1-1/2" x 5-1/2" Custom Shaped Red Oak	20.73	0.76
06 46 36 00-0532	LF		1-1/2" x 6-1/2" Custom Shaped Red Oak	24.01	0.82
06 46 36 00-0533	LF		1-1/2" x 7-1/2" Custom Shaped Red Oak	27.06	0.82
06 46 36 00-0534	LF		1-1/2" x 8-1/2" Custom Shaped Red Oak	30.69	0.88
06 46 36 00-0535	LF		1-1/2" x 9-1/2" Custom Shaped Red Oak	33.25	0.88
06 46 36 00-0536	LF		1-1/2" x 10-1/2" Custom Shaped Red Oak	36.43	0.88
06 46 36 00-0537	LF		1-1/2" x 11-1/2" Custom Shaped Red Oak	39.56	0.94
06 46 36 00-0538	LF		2" x 1-1/2" Custom Shaped Red Oak	12.71	0.71
06 46 36 00-0539	LF		2" x 2-1/2" Custom Shaped Red Oak	18.00	0.71
06 46 36 00-0540	LF		2" x 3-1/2" Custom Shaped Red Oak	23.26	0.71
06 46 36 00-0541	LF		2" x 4-1/2" Custom Shaped Red Oak	28.60	0.76
06 46 36 00-0542	LF		2" x 5-1/2" Custom Shaped Red Oak	33.86	0.76
06 46 36 00-0543	LF		2" x 6-1/2" Custom Shaped Red Oak	39.25	0.82
06 46 36 00-0544	LF		2" x 7-1/2" Custom Shaped Red Oak	44.52	0.82
06 46 36 00-0545	LF		2" x 8-1/2" Custom Shaped Red Oak	49.85	0.88
06 46 36 00-0546	LF		2" x 9-1/2" Custom Shaped Red Oak	55.13	0.88
06 46 36 00-0547	LF		2" x 10-1/2" Custom Shaped Red Oak	60.41	0.94
06 46 36 00-0548	LF		2" x 11-1/2" Custom Shaped Red Oak	65.79	0.99
06 46 36 00-0549 White Oak <small>(06 46 36)</small>					
06 46 36 00-0550	LF		3/4" x 1-1/2" Custom Shaped White Oak.....	4.07	0.65
06 46 36 00-0551	LF		3/4" x 2-1/2" Custom Shaped White Oak.....	5.13	0.65
06 46 36 00-0552	LF		3/4" x 3-1/2" Custom Shaped White Oak.....	6.21	0.65

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 36 00-0553	LF	3/4" x 4-1/2" Custom Shaped White Oak.....	7.28	0.71
06 46 36 00-0554	LF	3/4" x 5-1/2" Custom Shaped White Oak.....	8.42	0.71
06 46 36 00-0555	LF	3/4" x 6-1/2" Custom Shaped White Oak.....	9.55	0.76
06 46 36 00-0556	LF	3/4" x 7-1/2" Custom Shaped White Oak.....	10.60	0.76
06 46 36 00-0557	LF	3/4" x 8-1/2" Custom Shaped White Oak.....	11.69	0.76
06 46 36 00-0558	LF	3/4" x 9-1/2" Custom Shaped White Oak.....	12.73	0.82
06 46 36 00-0559	LF	3/4" x 10-1/2" Custom Shaped White Oak.....	13.88	0.88
06 46 36 00-0560	LF	3/4" x 11-1/2" Custom Shaped White Oak.....	14.97	0.88
06 46 36 00-0561	LF	1" x 1-1/2" Custom Shaped White Oak.....	4.82	0.65
06 46 36 00-0562	LF	1" x 2-1/2" Custom Shaped White Oak.....	6.25	0.65
06 46 36 00-0563	LF	1" x 3-1/2" Custom Shaped White Oak.....	7.66	0.71
06 46 36 00-0564	LF	1" x 4-1/2" Custom Shaped White Oak.....	9.60	0.71
06 46 36 00-0565	LF	1" x 5-1/2" Custom Shaped White Oak.....	10.55	0.76
06 46 36 00-0566	LF	1" x 6-1/2" Custom Shaped White Oak.....	12.05	0.76
06 46 36 00-0567	LF	1" x 7-1/2" Custom Shaped White Oak.....	13.45	0.76
06 46 36 00-0568	LF	1" x 8-1/2" Custom Shaped White Oak.....	14.86	0.82
06 46 36 00-0569	LF	1" x 9-1/2" Custom Shaped White Oak.....	16.26	0.82
06 46 36 00-0570	LF	1" x 10-1/2" Custom Shaped White Oak.....	17.77	0.88
06 46 36 00-0571	LF	1" x 11-1/2" Custom Shaped White Oak.....	19.21	0.88
06 46 36 00-0572	LF	1-1/4" x 1-1/2" Custom Shaped White Oak.....	6.03	0.65
06 46 36 00-0573	LF	1-1/4" x 2-1/2" Custom Shaped White Oak.....	8.03	0.65
06 46 36 00-0574	LF	1-1/4" x 3-1/2" Custom Shaped White Oak.....	10.04	0.71
06 46 36 00-0575	LF	1-1/4" x 4-1/2" Custom Shaped White Oak.....	12.03	0.71
06 46 36 00-0576	LF	1-1/4" x 5-1/2" Custom Shaped White Oak.....	14.09	0.76
06 46 36 00-0577	LF	1-1/4" x 6-1/2" Custom Shaped White Oak.....	16.15	0.76
06 46 36 00-0578	LF	1-1/4" x 7-1/2" Custom Shaped White Oak.....	18.14	0.82
06 46 36 00-0579	LF	1-1/4" x 8-1/2" Custom Shaped White Oak.....	20.15	0.82
06 46 36 00-0580	LF	1-1/4" x 9-1/2" Custom Shaped White Oak.....	22.11	0.82
06 46 36 00-0581	LF	1-1/4" x 10-1/2" Custom Shaped White Oak.....	24.19	0.88
06 46 36 00-0582	LF	1-1/4" x 11-1/2" Custom Shaped White Oak.....	26.22	0.94
06 46 36 00-0583	LF	1-1/2" x 1-1/2" Custom Shaped White Oak.....	9.85	0.65
06 46 36 00-0584	LF	1-1/2" x 2-1/2" Custom Shaped White Oak.....	13.73	0.71
06 46 36 00-0585	LF	1-1/2" x 3-1/2" Custom Shaped White Oak.....	17.60	0.71
06 46 36 00-0586	LF	1-1/2" x 4-1/2" Custom Shaped White Oak.....	21.49	0.76
06 46 36 00-0587	LF	1-1/2" x 5-1/2" Custom Shaped White Oak.....	25.37	0.76
06 46 36 00-0588	LF	1-1/2" x 6-1/2" Custom Shaped White Oak.....	29.37	0.82
06 46 36 00-0589	LF	1-1/2" x 7-1/2" Custom Shaped White Oak.....	33.24	0.82
06 46 36 00-0590	LF	1-1/2" x 8-1/2" Custom Shaped White Oak.....	37.13	0.88
06 46 36 00-0591	LF	1-1/2" x 9-1/2" Custom Shaped White Oak.....	40.46	0.88
06 46 36 00-0592	LF	1-1/2" x 10-1/2" Custom Shaped White Oak.....	44.93	0.94
06 46 36 00-0593	LF	1-1/2" x 11-1/2" Custom Shaped White Oak.....	48.83	0.94

06 46 36 00-0594 White Pine (06 46 36)

06 46 36 00-0595	LF	3/4" x 1-1/2" Custom Shaped White Pine.....	4.53	0.65
06 46 36 00-0596	LF	3/4" x 2-1/2" Custom Shaped White Pine.....	5.83	0.65
06 46 36 00-0597	LF	3/4" x 3-1/2" Custom Shaped White Pine.....	7.13	0.65
06 46 36 00-0598	LF	3/4" x 4-1/2" Custom Shaped White Pine.....	8.44	0.71
06 46 36 00-0599	LF	3/4" x 5-1/2" Custom Shaped White Pine.....	9.81	0.71
06 46 36 00-0600	LF	3/4" x 6-1/2" Custom Shaped White Pine.....	11.17	0.76
06 46 36 00-0601	LF	3/4" x 7-1/2" Custom Shaped White Pine.....	12.46	0.76
06 46 36 00-0602	LF	3/4" x 8-1/2" Custom Shaped White Pine.....	13.77	0.76
06 46 36 00-0603	LF	3/4" x 9-1/2" Custom Shaped White Pine.....	15.82	0.82
06 46 36 00-0604	LF	3/4" x 10-1/2" Custom Shaped White Pine.....	17.28	0.88
06 46 36 00-0605	LF	1" x 1-1/2" Custom Shaped White Pine.....	5.08	0.65
06 46 36 00-0606	LF	1" x 2-1/2" Custom Shaped White Pine.....	6.63	0.65
06 46 36 00-0607	LF	1" x 3-1/2" Custom Shaped White Pine.....	8.17	0.71
06 46 36 00-0608	LF	1" x 4-1/2" Custom Shaped White Pine.....	9.73	0.71
06 46 36 00-0609	LF	1" x 5-1/2" Custom Shaped White Pine.....	11.32	0.76
06 46 36 00-0610	LF	1" x 6-1/2" Custom Shaped White Pine.....	12.95	0.76
06 46 36 00-0611	LF	1" x 7-1/2" Custom Shaped White Pine.....	14.48	0.76
06 46 36 00-0612	LF	1" x 8-1/2" Custom Shaped White Pine.....	16.05	0.82
06 46 36 00-0613	LF	1" x 9-1/2" Custom Shaped White Pine.....	17.55	0.82
06 46 36 00-0614	LF	1" x 10-1/2" Custom Shaped White Pine.....	19.19	0.88
06 46 36 00-0615	LF	1" x 11-1/2" Custom Shaped White Pine.....	20.76	0.88
06 46 36 00-0616	LF	1-1/4" x 1-1/2" Custom Shaped White Pine.....	5.72	0.65
06 46 36 00-0617	LF	1-1/4" x 2-1/2" Custom Shaped White Pine.....	7.57	0.65
06 46 36 00-0618	LF	1-1/4" x 3-1/2" Custom Shaped White Pine.....	9.47	0.71
06 46 36 00-0619	LF	1-1/4" x 4-1/2" Custom Shaped White Pine.....	11.25	0.71
06 46 36 00-0620	LF	1-1/4" x 5-1/2" Custom Shaped White Pine.....	13.16	0.76
06 46 36 00-0621	LF	1-1/4" x 6-1/2" Custom Shaped White Pine.....	15.07	0.76
06 46 36 00-0622	LF	1-1/4" x 7-1/2" Custom Shaped White Pine.....	16.90	0.82
06 46 36 00-0623	LF	1-1/4" x 8-1/2" Custom Shaped White Pine.....	18.76	0.82
06 46 36 00-0624	LF	1-1/4" x 9-1/2" Custom Shaped White Pine.....	20.57	0.82
06 46 36 00-0625	LF	1-1/4" x 10-1/2" Custom Shaped White Pine.....	22.49	0.88
06 46 36 00-0626	LF	1-1/4" x 11-1/2" Custom Shaped White Pine.....	24.36	0.94
06 46 36 00-0627	LF	1-1/2" x 1-1/2" Custom Shaped White Pine.....	7.17	0.65
06 46 36 00-0628	LF	1-1/2" x 2-1/2" Custom Shaped White Pine.....	9.72	0.71
06 46 36 00-0629	LF	1-1/2" x 3-1/2" Custom Shaped White Pine.....	12.25	0.71
06 46 36 00-0630	LF	1-1/2" x 4-1/2" Custom Shaped White Pine.....	14.79	0.76
06 46 36 00-0631	LF	1-1/2" x 5-1/2" Custom Shaped White Pine.....	17.33	0.76



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0632	LF	1-1/2"	x 6-1/2" Custom Shaped White Pine	19.99	0.82
06 46 36 00-0633	LF	1-1/2"	x 7-1/2" Custom Shaped White Pine	22.53	0.82
06 46 36 00-0634	LF	1-1/2"	x 8-1/2" Custom Shaped White Pine	25.08	0.88
06 46 36 00-0635	LF	1-1/2"	x 9-1/2" Custom Shaped White Pine	28.10	0.88
06 46 36 00-0636	LF	1-1/2"	x 10-1/2" Custom Shaped White Pine	30.20	0.94
06 46 36 00-0637	LF	1-1/2"	x 11-1/2" Custom Shaped White Pine	32.77	0.94
06 46 36 00-0638	LF	2"	x 1-1/2" Custom Shaped White Pine	11.04	0.71
06 46 36 00-0639	LF	2"	x 2-1/2" Custom Shaped White Pine	15.47	0.71
06 46 36 00-0640	LF	2"	x 3-1/2" Custom Shaped White Pine	19.91	0.71
06 46 36 00-0641	LF	2"	x 4-1/2" Custom Shaped White Pine	24.40	0.76
06 46 36 00-0642	LF	2"	x 5-1/2" Custom Shaped White Pine	28.84	0.76
06 46 36 00-0643	LF	2"	x 6-1/2" Custom Shaped White Pine	33.38	0.82
06 46 36 00-0644	LF	2"	x 7-1/2" Custom Shaped White Pine	37.82	0.82
06 46 36 00-0645	LF	2"	x 8-1/2" Custom Shaped White Pine	42.31	0.88
06 46 36 00-0646	LF	2"	x 9-1/2" Custom Shaped White Pine	46.76	0.88
06 46 36 00-0647	LF	2"	x 10-1/2" Custom Shaped White Pine	51.19	0.94
06 46 36 00-0648	LF	2"	x 11-1/2" Custom Shaped White Pine	55.75	0.99
06 46 36 00-0649	LF	2-1/2"	x 1-1/2" Custom Shaped White Pine	13.16	0.71
06 46 36 00-0650	LF	2-1/2"	x 2-1/2" Custom Shaped White Pine	18.62	0.71
06 46 36 00-0651	LF	2-1/2"	x 3-1/2" Custom Shaped White Pine	24.09	0.76
06 46 36 00-0652	LF	2-1/2"	x 4-1/2" Custom Shaped White Pine	29.61	0.76
06 46 36 00-0653	LF	2-1/2"	x 5-1/2" Custom Shaped White Pine	35.08	0.76
06 46 36 00-0654	LF	2-1/2"	x 6-1/2" Custom Shaped White Pine	40.65	0.82
06 46 36 00-0655	LF	2-1/2"	x 7-1/2" Custom Shaped White Pine	46.12	0.88
06 46 36 00-0656	LF	2-1/2"	x 8-1/2" Custom Shaped White Pine	51.65	0.88
06 46 36 00-0657	LF	2-1/2"	x 9-1/2" Custom Shaped White Pine	57.12	0.94
06 46 36 00-0658	LF	2-1/2"	x 10-1/2" Custom Shaped White Pine	62.58	0.94
06 46 36 00-0659	LF	2-1/2"	x 11-1/2" Custom Shaped White Pine	68.17	0.99
06 46 36 00-0660	LF	3-1/2"	x 3-1/2" Custom Shaped White Pine	33.41	0.76
06 46 36 00-0661	LF	3-1/2"	x 4-1/2" Custom Shaped White Pine	41.25	0.76
06 46 36 00-0662	LF	3-1/2"	x 5-1/2" Custom Shaped White Pine	49.04	0.82
06 46 36 00-0663	LF	3-1/2"	x 6-1/2" Custom Shaped White Pine	56.94	0.88
06 46 36 00-0664	LF	3-1/2"	x 7-1/2" Custom Shaped White Pine	64.72	0.88
06 46 36 00-0665	LF	3-1/2"	x 8-1/2" Custom Shaped White Pine	72.57	0.94
06 46 36 00-0666	LF	3-1/2"	x 9-1/2" Custom Shaped White Pine	80.35	0.94
06 46 36 00-0667	LF	3-1/2"	x 10-1/2" Custom Shaped White Pine	88.14	0.94
06 46 36 00-0668	LF	3-1/2"	x 11-1/2" Custom Shaped White Pine	96.03	0.99
06 46 36 00-0669 Clear Yellow Pine (06 46 36)					
06 46 36 00-0670	LF	3/4"	x 1-1/2" Custom Shaped "C" Y Pine	3.09	0.65
06 46 36 00-0671	LF	3/4"	x 2-1/2" Custom Shaped "C" Y Pine	3.67	0.65
06 46 36 00-0672	LF	3/4"	x 3-1/2" Custom Shaped "C" Y Pine	4.25	0.65
06 46 36 00-0673	LF	3/4"	x 4-1/2" Custom Shaped "C" Y Pine	4.84	0.71
06 46 36 00-0674	LF	3/4"	x 5-1/2" Custom Shaped "C" Y Pine	5.48	0.71
06 46 36 00-0675	LF	3/4"	x 6-1/2" Custom Shaped "C" Y Pine	6.13	0.76
06 46 36 00-0676	LF	3/4"	x 7-1/2" Custom Shaped "C" Y Pine	6.69	0.76
06 46 36 00-0677	LF	3/4"	x 8-1/2" Custom Shaped "C" Y Pine	7.29	0.76
06 46 36 00-0678	LF	1"	x 1-1/2" Custom Shaped "C" Y Pine	3.54	0.65
06 46 36 00-0679	LF	1"	x 2-1/2" Custom Shaped "C" Y Pine	4.32	0.65
06 46 36 00-0680	LF	1"	x 3-1/2" Custom Shaped "C" Y Pine	5.08	0.71
06 46 36 00-0681	LF	1"	x 4-1/2" Custom Shaped "C" Y Pine	5.86	0.71
06 46 36 00-0682	LF	1"	x 5-1/2" Custom Shaped "C" Y Pine	6.69	0.76
06 46 36 00-0683	LF	1"	x 6-1/2" Custom Shaped "C" Y Pine	7.54	0.76
06 46 36 00-0684	LF	1"	x 7-1/2" Custom Shaped "C" Y Pine	8.55	0.76
06 46 36 00-0685	LF	1"	x 8-1/2" Custom Shaped "C" Y Pine	9.38	0.82
06 46 36 00-0686	LF	1-1/2"	x 1-1/2" Custom Shaped "C" Y Pine	4.08	0.65
06 46 36 00-0687	LF	1-1/2"	x 2-1/2" Custom Shaped "C" Y Pine	5.08	0.71
06 46 36 00-0688	LF	1-1/2"	x 3-1/2" Custom Shaped "C" Y Pine	6.07	0.71
06 46 36 00-0689	LF	1-1/2"	x 4-1/2" Custom Shaped "C" Y Pine	7.07	0.76
06 46 36 00-0690	LF	1-1/2"	x 5-1/2" Custom Shaped "C" Y Pine	8.06	0.76
06 46 36 00-0691	LF	1-1/2"	x 6-1/2" Custom Shaped "C" Y Pine	9.18	0.82
06 46 36 00-0692	LF	1-1/2"	x 7-1/2" Custom Shaped "C" Y Pine	10.17	0.82
06 46 36 00-0693	LF	1-1/2"	x 8-1/2" Custom Shaped "C" Y Pine	11.17	0.88
06 46 36 00-0694	LF	1-1/2"	x 9-1/2" Custom Shaped "C" Y Pine	12.90	0.88
06 46 36 00-0695	LF	1-1/2"	x 10-1/2" Custom Shaped "C" Y Pine	13.31	0.94
06 46 36 00-0696 Poplar (06 46 36)					
06 46 36 00-0697	LF	3/4"	x 1-1/2" Custom Shaped Poplar	3.24	0.65
06 46 36 00-0698	LF	3/4"	x 2-1/2" Custom Shaped Poplar	3.90	0.65
06 46 36 00-0699	LF	3/4"	x 3-1/2" Custom Shaped Poplar	4.56	0.65
06 46 36 00-0700	LF	3/4"	x 4-1/2" Custom Shaped Poplar	5.22	0.71
06 46 36 00-0701	LF	3/4"	x 5-1/2" Custom Shaped Poplar	5.94	0.71
06 46 36 00-0702	LF	3/4"	x 6-1/2" Custom Shaped Poplar	6.67	0.76
06 46 36 00-0703	LF	3/4"	x 7-1/2" Custom Shaped Poplar	7.31	0.76
06 46 36 00-0704	LF	3/4"	x 8-1/2" Custom Shaped Poplar	7.98	0.76
06 46 36 00-0705	LF	3/4"	x 9-1/2" Custom Shaped Poplar	8.61	0.82
06 46 36 00-0706	LF	3/4"	x 10-1/2" Custom Shaped Poplar	9.35	0.88
06 46 36 00-0707	LF	3/4"	x 11-1/2" Custom Shaped Poplar	10.08	0.88
06 46 36 00-0708	LF	1"	x 1-1/2" Custom Shaped Poplar	3.74	0.65

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 36 00-0709	LF	1" x 2-1/2" Custom Shaped Poplar	4.60	0.65
06 46 36 00-0710	LF	1" x 3-1/2" Custom Shaped Poplar	5.47	0.71
06 46 36 00-0711	LF	1" x 4-1/2" Custom Shaped Poplar	6.33	0.71
06 46 36 00-0712	LF	1" x 5-1/2" Custom Shaped Poplar	7.28	0.76
06 46 36 00-0713	LF	1" x 6-1/2" Custom Shaped Poplar	8.21	0.76
06 46 36 00-0714	LF	1" x 7-1/2" Custom Shaped Poplar	9.07	0.76
06 46 36 00-0715	LF	1" x 8-1/2" Custom Shaped Poplar	9.95	0.82
06 46 36 00-0716	LF	1" x 9-1/2" Custom Shaped Poplar	10.80	0.82
06 46 36 00-0717	LF	1" x 10-1/2" Custom Shaped Poplar	11.75	0.88
06 46 36 00-0718	LF	1" x 11-1/2" Custom Shaped Poplar	12.65	0.88
06 46 36 00-0719	LF	1-1/4" x 1-1/2" Custom Shaped Poplar	4.18	0.65
06 46 36 00-0720	LF	1-1/4" x 2-1/2" Custom Shaped Poplar	5.25	0.65
06 46 36 00-0721	LF	1-1/4" x 3-1/2" Custom Shaped Poplar	6.33	0.71
06 46 36 00-0722	LF	1-1/4" x 4-1/2" Custom Shaped Poplar	7.39	0.71
06 46 36 00-0723	LF	1-1/4" x 5-1/2" Custom Shaped Poplar	8.53	0.76
06 46 36 00-0724	LF	1-1/4" x 6-1/2" Custom Shaped Poplar	9.66	0.76
06 46 36 00-0725	LF	1-1/4" x 7-1/2" Custom Shaped Poplar	10.72	0.82
06 46 36 00-0726	LF	1-1/4" x 8-1/2" Custom Shaped Poplar	11.81	0.82
06 46 36 00-0727	LF	1-1/4" x 9-1/2" Custom Shaped Poplar	12.84	0.82
06 46 36 00-0728	LF	1-1/4" x 10-1/2" Custom Shaped Poplar	14.00	0.88
06 46 36 00-0729	LF	1-1/4" x 11-1/2" Custom Shaped Poplar	15.09	0.94
06 46 36 00-0730	LF	1-1/2" x 1-1/2" Custom Shaped Poplar	5.22	0.65
06 46 36 00-0731	LF	1-1/2" x 2-1/2" Custom Shaped Poplar	6.78	0.71
06 46 36 00-0732	LF	1-1/2" x 3-1/2" Custom Shaped Poplar	8.33	0.71
06 46 36 00-0733	LF	1-1/2" x 4-1/2" Custom Shaped Poplar	9.90	0.76
06 46 36 00-0734	LF	1-1/2" x 5-1/2" Custom Shaped Poplar	11.46	0.76
06 46 36 00-0735	LF	1-1/2" x 6-1/2" Custom Shaped Poplar	13.14	0.82
06 46 36 00-0736	LF	1-1/2" x 7-1/2" Custom Shaped Poplar	14.70	0.82
06 46 36 00-0737	LF	1-1/2" x 8-1/2" Custom Shaped Poplar	16.27	0.88
06 46 36 00-0738	LF	1-1/2" x 9-1/2" Custom Shaped Poplar	17.80	0.88
06 46 36 00-0739	LF	1-1/2" x 10-1/2" Custom Shaped Poplar	19.44	0.94
06 46 36 00-0740	LF	1-1/2" x 11-1/2" Custom Shaped Poplar	21.02	0.94
06 46 36 00-0741	LF	2" x 1-1/2" Custom Shaped Poplar	6.79	0.71
06 46 36 00-0742	LF	2" x 2-1/2" Custom Shaped Poplar	9.11	0.71
06 46 36 00-0743	LF	2" x 3-1/2" Custom Shaped Poplar	11.41	0.71
06 46 36 00-0744	LF	2" x 4-1/2" Custom Shaped Poplar	13.79	0.76
06 46 36 00-0745	LF	2" x 5-1/2" Custom Shaped Poplar	16.09	0.76
06 46 36 00-0746	LF	2" x 6-1/2" Custom Shaped Poplar	18.53	0.82
06 46 36 00-0747	LF	2" x 7-1/2" Custom Shaped Poplar	20.83	0.82
06 46 36 00-0748	LF	2" x 8-1/2" Custom Shaped Poplar	23.20	0.88
06 46 36 00-0749	LF	2" x 9-1/2" Custom Shaped Poplar	25.51	0.88
06 46 36 00-0750	LF	2" x 10-1/2" Custom Shaped Poplar	27.84	0.94
06 46 36 00-0751	LF	2" x 11-1/2" Custom Shaped Poplar	30.26	0.99
06 46 36 00-0752	LF	2-1/2" x 1-1/2" Custom Shaped Poplar	8.37	0.71
06 46 36 00-0753	LF	2-1/2" x 2-1/2" Custom Shaped Poplar	11.44	0.71
06 46 36 00-0754	LF	2-1/2" x 3-1/2" Custom Shaped Poplar	14.51	0.76
06 46 36 00-0755	LF	2-1/2" x 4-1/2" Custom Shaped Poplar	17.63	0.76
06 46 36 00-0756	LF	2-1/2" x 5-1/2" Custom Shaped Poplar	20.71	0.76
06 46 36 00-0757	LF	2-1/2" x 6-1/2" Custom Shaped Poplar	23.89	0.82
06 46 36 00-0758	LF	2-1/2" x 7-1/2" Custom Shaped Poplar	26.96	0.88
06 46 36 00-0759	LF	2-1/2" x 8-1/2" Custom Shaped Poplar	30.10	0.88
06 46 36 00-0760	LF	2-1/2" x 9-1/2" Custom Shaped Poplar	33.17	0.94
06 46 36 00-0761	LF	2-1/2" x 10-1/2" Custom Shaped Poplar	36.24	0.94
06 46 36 00-0762	LF	2-1/2" x 11-1/2" Custom Shaped Poplar	39.43	0.99
06 46 36 00-0763	LF	3-1/2" x 3-1/2" Custom Shaped Poplar	19.81	0.76
06 46 36 00-0764	LF	3-1/2" x 4-1/2" Custom Shaped Poplar	24.25	0.76
06 46 36 00-0765	LF	3-1/2" x 5-1/2" Custom Shaped Poplar	28.65	0.82
06 46 36 00-0766	LF	3-1/2" x 6-1/2" Custom Shaped Poplar	33.19	0.88
06 46 36 00-0767	LF	3-1/2" x 7-1/2" Custom Shaped Poplar	37.53	0.88
06 46 36 00-0768	LF	3-1/2" x 8-1/2" Custom Shaped Poplar	41.98	0.94
06 46 36 00-0769	LF	3-1/2" x 9-1/2" Custom Shaped Poplar	46.36	0.94
06 46 36 00-0770	LF	3-1/2" x 10-1/2" Custom Shaped Poplar	50.75	0.94
06 46 36 00-0771	LF	3-1/2" x 11-1/2" Custom Shaped Poplar	55.24	0.99

06 46 36 00-0772 Clear Heart Redwood (06 46 36)

06 46 36 00-0773	LF	3/4" x 1-1/2" Custom Shaped Clear Heart Redwood	3.97	0.65
06 46 36 00-0774	LF	3/4" x 2-1/2" Custom Shaped Clear Heart Redwood	4.98	0.65
06 46 36 00-0775	LF	3/4" x 3-1/2" Custom Shaped Clear Heart Redwood	6.00	0.65
06 46 36 00-0776	LF	3/4" x 4-1/2" Custom Shaped Clear Heart Redwood	7.02	0.71
06 46 36 00-0777	LF	3/4" x 5-1/2" Custom Shaped Clear Heart Redwood	8.11	0.71
06 46 36 00-0778	LF	3/4" x 6-1/2" Custom Shaped Clear Heart Redwood	9.19	0.76
06 46 36 00-0779	LF	3/4" x 7-1/2" Custom Shaped Clear Heart Redwood	11.22	0.76
06 46 36 00-0780	LF	3/4" x 8-1/2" Custom Shaped Clear Heart Redwood	12.38	0.76
06 46 36 00-0781	LF	3/4" x 9-1/2" Custom Shaped Clear Heart Redwood	12.45	0.82
06 46 36 00-0782	LF	3/4" x 10-1/2" Custom Shaped Clear Heart Redwood	13.31	0.88
06 46 36 00-0783	LF	1" x 1-1/2" Custom Shaped Clear Heart Redwood	4.77	0.65
06 46 36 00-0784	LF	1" x 2-1/2" Custom Shaped Clear Heart Redwood	6.15	0.65
06 46 36 00-0785	LF	1" x 3-1/2" Custom Shaped Clear Heart Redwood	7.53	0.71
06 46 36 00-0786	LF	1" x 4-1/2" Custom Shaped Clear Heart Redwood	8.90	0.71
06 46 36 00-0787	LF	1" x 5-1/2" Custom Shaped Clear Heart Redwood	10.37	0.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0788 LF 1" x 6-1/2" Custom Shaped Clear Heart Redwood	11.81	0.76
06 46 36 00-0789 LF 1" x 7-1/2" Custom Shaped Clear Heart Redwood	14.99	0.76
06 46 36 00-0790 LF 1" x 8-1/2" Custom Shaped Clear Heart Redwood	16.62	0.82
06 46 36 00-0791 LF 1" x 9-1/2" Custom Shaped Clear Heart Redwood	18.19	0.82
06 46 36 00-0792 LF 1" x 10-1/2" Custom Shaped Clear Heart Redwood	19.89	0.88
06 46 36 00-0793 LF 1-1/2" x 1-1/2" Custom Shaped Clear Heart Redwood	6.25	0.65
06 46 36 00-0794 LF 1-1/2" x 2-1/2" Custom Shaped Clear Heart Redwood	8.33	0.71
06 46 36 00-0795 LF 1-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	10.39	0.71
06 46 36 00-0796 LF 1-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	12.47	0.76
06 46 36 00-0797 LF 1-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	14.55	0.76
06 46 36 00-0798 LF 1-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	16.80	0.82
06 46 36 00-0799 LF 1-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	22.53	0.82
06 46 36 00-0800 LF 1-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	25.08	0.88
06 46 36 00-0801 LF 1-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	29.64	0.88
06 46 36 00-0802 LF 1-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	32.47	0.94
06 46 36 00-0803 LF 3-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	31.35	0.76
06 46 36 00-0804 LF 3-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	38.67	0.76
06 46 36 00-0805 LF 3-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	45.95	0.82
06 46 36 00-0806 LF 3-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	53.33	0.88
06 46 36 00-0807 LF 3-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	60.60	0.88
06 46 36 00-0808 LF 3-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	67.93	0.94
06 46 36 00-0809 LF 3-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	75.20	0.94
06 46 36 00-0810 LF 3-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	82.47	0.94
06 46 36 00-0811 LF 3-1/2" x 11-1/2" Custom Shaped Clear Heart Redwood	89.85	0.99
06 46 36 00-0812 Teak (06 46 36)		
06 46 36 00-0813 LF 3/4" x 1-1/2" Custom Shaped Teak	10.87	0.65
06 46 36 00-0814 LF 3/4" x 2-1/2" Custom Shaped Teak	15.33	0.65
06 46 36 00-0815 LF 3/4" x 3-1/2" Custom Shaped Teak	19.80	0.65
06 46 36 00-0816 LF 3/4" x 4-1/2" Custom Shaped Teak	24.28	0.71
06 46 36 00-0817 LF 3/4" x 5-1/2" Custom Shaped Teak	28.81	0.71
06 46 36 00-0818 LF 3/4" x 6-1/2" Custom Shaped Teak	33.34	0.76
06 46 36 00-0819 LF 3/4" x 7-1/2" Custom Shaped Teak	37.80	0.76
06 46 36 00-0820 LF 3/4" x 8-1/2" Custom Shaped Teak	42.28	0.76
06 46 36 00-0821 LF 3/4" x 9-1/2" Custom Shaped Teak	46.72	0.82
06 46 36 00-0822 LF 3/4" x 10-1/2" Custom Shaped Teak	51.27	0.88
06 46 36 00-0823 LF 3/4" x 11-1/2" Custom Shaped Teak	55.76	0.88
06 46 36 00-0824 LF 1-1/2" x 1-1/2" Custom Shaped Teak	24.99	0.65
06 46 36 00-0825 LF 1-1/2" x 2-1/2" Custom Shaped Teak	28.72	0.71
06 46 36 00-0826 LF 1-1/2" x 3-1/2" Custom Shaped Teak	37.59	0.71
06 46 36 00-0827 LF 1-1/2" x 4-1/2" Custom Shaped Teak	46.46	0.76
06 46 36 00-0828 LF 1-1/2" x 5-1/2" Custom Shaped Teak	55.34	0.76
06 46 36 00-0829 LF 1-1/2" x 6-1/2" Custom Shaped Teak	64.08	0.82
06 46 36 00-0830 LF 1-1/2" x 7-1/2" Custom Shaped Teak	73.20	0.82
06 46 36 00-0831 LF 1-1/2" x 8-1/2" Custom Shaped Teak	82.09	0.88
06 46 36 00-0832 LF 1-1/2" x 9-1/2" Custom Shaped Teak	90.93	0.88
06 46 36 00-0833 LF 1-1/2" x 10-1/2" Custom Shaped Teak	99.89	0.94
06 46 36 00-0834 LF 1-1/2" x 11-1/2" Custom Shaped Teak	108.78	0.94
06 46 36 00-0835 Walnut (06 46 36)		
06 46 36 00-0836 LF 3/4" x 1-1/2" Custom Shaped Walnut	5.97	0.65
06 46 36 00-0837 LF 3/4" x 2-1/2" Custom Shaped Walnut	7.99	0.65
06 46 36 00-0838 LF 3/4" x 3-1/2" Custom Shaped Walnut	10.02	0.65
06 46 36 00-0839 LF 3/4" x 4-1/2" Custom Shaped Walnut	12.05	0.71
06 46 36 00-0840 LF 3/4" x 5-1/2" Custom Shaped Walnut	14.13	0.71
06 46 36 00-0841 LF 3/4" x 6-1/2" Custom Shaped Walnut	16.22	0.76
06 46 36 00-0842 LF 3/4" x 7-1/2" Custom Shaped Walnut	18.23	0.76
06 46 36 00-0843 LF 3/4" x 8-1/2" Custom Shaped Walnut	20.26	0.76
06 46 36 00-0844 LF 3/4" x 9-1/2" Custom Shaped Walnut	22.26	0.82
06 46 36 00-0845 LF 3/4" x 10-1/2" Custom Shaped Walnut	24.36	0.88
06 46 36 00-0846 LF 3/4" x 11-1/2" Custom Shaped Walnut	26.40	0.88
06 46 36 00-0847 LF 1" x 1-1/2" Custom Shaped Walnut	7.14	0.65
06 46 36 00-0848 LF 1" x 2-1/2" Custom Shaped Walnut	9.72	0.65
06 46 36 00-0849 LF 1" x 3-1/2" Custom Shaped Walnut	12.29	0.71
06 46 36 00-0850 LF 1" x 4-1/2" Custom Shaped Walnut	14.88	0.71
06 46 36 00-0851 LF 1" x 5-1/2" Custom Shaped Walnut	17.50	0.76
06 46 36 00-0852 LF 1" x 6-1/2" Custom Shaped Walnut	20.16	0.76
06 46 36 00-0853 LF 1" x 7-1/2" Custom Shaped Walnut	22.72	0.76
06 46 36 00-0854 LF 1" x 8-1/2" Custom Shaped Walnut	25.32	0.82
06 46 36 00-0855 LF 1" x 9-1/2" Custom Shaped Walnut	27.85	0.82
06 46 36 00-0856 LF 1" x 10-1/2" Custom Shaped Walnut	30.52	0.88
06 46 36 00-0857 LF 1" x 11-1/2" Custom Shaped Walnut	33.12	0.88
06 46 36 00-0858 LF 1-1/4" x 1-1/2" Custom Shaped Walnut	8.74	0.65
06 46 36 00-0859 LF 1-1/4" x 2-1/2" Custom Shaped Walnut	12.10	0.65
06 46 36 00-0860 LF 1-1/4" x 3-1/2" Custom Shaped Walnut	15.44	0.71
06 46 36 00-0861 LF 1-1/4" x 4-1/2" Custom Shaped Walnut	18.80	0.71
06 46 36 00-0862 LF 1-1/4" x 5-1/2" Custom Shaped Walnut	22.20	0.76
06 46 36 00-0863 LF 1-1/4" x 6-1/2" Custom Shaped Walnut	25.63	0.76
06 46 36 00-0864 LF 1-1/4" x 7-1/2" Custom Shaped Walnut	28.96	0.82

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 36 00-0865	LF	1-1/4" x 8-1/2" Custom Shaped Walnut	32.33	0.82
06 46 36 00-0866	LF	1-1/4" x 9-1/2" Custom Shaped Walnut	35.63	0.82
06 46 36 00-0867	LF	1-1/4" x 10-1/2" Custom Shaped Walnut	39.08	0.88
06 46 36 00-0868	LF	1-1/4" x 11-1/2" Custom Shaped Walnut	42.44	0.94
06 46 36 00-0869	LF	1-1/2" x 1-1/2" Custom Shaped Walnut	11.81	0.65
06 46 36 00-0870	LF	1-1/2" x 2-1/2" Custom Shaped Walnut	16.67	0.71
06 46 36 00-0871	LF	1-1/2" x 3-1/2" Custom Shaped Walnut	21.52	0.71
06 46 36 00-0872	LF	1-1/2" x 4-1/2" Custom Shaped Walnut	26.38	0.76
06 46 36 00-0873	LF	1-1/2" x 5-1/2" Custom Shaped Walnut	31.24	0.76
06 46 36 00-0874	LF	1-1/2" x 6-1/2" Custom Shaped Walnut	36.22	0.82
06 46 36 00-0875	LF	1-1/2" x 7-1/2" Custom Shaped Walnut	41.07	0.82
06 46 36 00-0876	LF	1-1/2" x 8-1/2" Custom Shaped Walnut	45.94	0.88
06 46 36 00-0877	LF	1-1/2" x 9-1/2" Custom Shaped Walnut	51.27	0.88
06 46 36 00-0878	LF	1-1/2" x 10-1/2" Custom Shaped Walnut	55.70	0.94
06 46 36 00-0879	LF	1-1/2" x 11-1/2" Custom Shaped Walnut	60.58	0.94
06 46 36 00-0880	LF	2" x 1-1/2" Custom Shaped Walnut	19.79	0.71
06 46 36 00-0881	LF	2" x 2-1/2" Custom Shaped Walnut	28.61	0.71
06 46 36 00-0882	LF	2" x 3-1/2" Custom Shaped Walnut	37.42	0.71
06 46 36 00-0883	LF	2" x 4-1/2" Custom Shaped Walnut	46.29	0.76
06 46 36 00-0884	LF	2" x 5-1/2" Custom Shaped Walnut	55.10	0.76
06 46 36 00-0885	LF	2" x 6-1/2" Custom Shaped Walnut	64.03	0.82
06 46 36 00-0886	LF	2" x 7-1/2" Custom Shaped Walnut	72.84	0.82
06 46 36 00-0887	LF	2" x 8-1/2" Custom Shaped Walnut	81.71	0.88
06 46 36 00-0888	LF	2" x 9-1/2" Custom Shaped Walnut	90.53	0.88
06 46 36 00-0889	LF	2" x 10-1/2" Custom Shaped Walnut	99.35	0.94
06 46 36 00-0890	LF	2" x 11-1/2" Custom Shaped Walnut	108.28	0.99
06 46 36 00-0891	LF	2-1/2" x 1-1/2" Custom Shaped Walnut	24.74	0.71
06 46 36 00-0892	LF	2-1/2" x 2-1/2" Custom Shaped Walnut	36.01	0.71
06 46 36 00-0893	LF	2-1/2" x 3-1/2" Custom Shaped Walnut	47.27	0.76
06 46 36 00-0894	LF	2-1/2" x 4-1/2" Custom Shaped Walnut	58.58	0.76
06 46 36 00-0895	LF	2-1/2" x 5-1/2" Custom Shaped Walnut	69.84	0.76
06 46 36 00-0896	LF	2-1/2" x 6-1/2" Custom Shaped Walnut	81.21	0.82
06 46 36 00-0897	LF	2-1/2" x 7-1/2" Custom Shaped Walnut	92.47	0.88
06 46 36 00-0898	LF	2-1/2" x 8-1/2" Custom Shaped Walnut	103.80	0.88
06 46 36 00-0899	LF	2-1/2" x 9-1/2" Custom Shaped Walnut	115.06	0.94
06 46 36 00-0900	LF	2-1/2" x 10-1/2" Custom Shaped Walnut	126.32	0.94
06 46 36 00-0901	LF	2-1/2" x 11-1/2" Custom Shaped Walnut	137.70	0.99

06 48 Wood Frames (06 40)

Note: All door frames include perimeter caulk, sealant (as required), anchors and silencers.

06 48 13 Exterior Wood Door Frames (06 48)**06 48 13 00-0001 Exterior Door Frames** (06 48 13)

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.

06 48 13 00-0002	EA	3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	204.49	33.29
		<i>For Birch, Add</i>	48.29	
		<i>For Mahogany, Add</i>	117.27	
06 48 13 00-0003	EA	3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	215.24	34.89
		<i>For Birch, Add</i>	51.02	
		<i>For Mahogany, Add</i>	123.91	
06 48 13 00-0004	EA	4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	226.01	36.25
		<i>For Birch, Add</i>	53.75	
		<i>For Mahogany, Add</i>	130.54	
06 48 13 00-0005	EA	5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	246.78	38.79
		<i>For Birch, Add</i>	59.21	
		<i>For Mahogany, Add</i>	143.79	
06 48 13 00-0006	EA	6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	267.92	41.57
		<i>For Birch, Add</i>	64.67	
		<i>For Mahogany, Add</i>	157.05	
06 48 13 00-0007	EA	3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	320.24	33.41
06 48 13 00-0008	EA	3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	325.30	34.89
06 48 13 00-0009	EA	4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	330.33	36.36
06 48 13 00-0010	EA	5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	339.28	38.73
06 48 13 00-0011	EA	6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	349.46	41.68
06 48 13 00-0012	EA	3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	244.34	33.41
06 48 13 00-0013	EA	3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	256.25	34.89
06 48 13 00-0014	EA	4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	268.21	36.36
06 48 13 00-0015	EA	5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	290.84	38.73
06 48 13 00-0016	EA	6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	314.67	41.68

06 48 16 Interior Wood Door Frames (06 48)**06 48 16 00-0001 Interior Door Frames** (06 48 16)

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.

06 48 16 00-0002	EA	2'-0" Or 2'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	103.08	15.85
		<i>For Oak Or Maple, Add</i>	22.14	
		<i>For Birch, Add</i>	24.99	
		<i>For Mahogany, Add</i>	60.70	
		<i>For Walnut Frame, Add</i>	32.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 48 16 00-0003 EA 2'-6" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	103.84	15.91
For Oak Or Maple, Add	22.32	
For Birch, Add	25.20	
For Mahogany, Add	61.21	
For Walnut Frame, Add	32.40	
06 48 16 00-0004 EA 2'-8" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	105.00	16.20
For Oak Or Maple, Add	22.49	
For Birch, Add	25.39	
For Mahogany, Add	61.67	
For Walnut Frame, Add	32.65	
06 48 16 00-0005 EA 3' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	106.54	16.61
For Oak Or Maple, Add	22.71	
For Birch, Add	25.64	
For Mahogany, Add	62.28	
For Walnut Frame, Add	32.97	
06 48 16 00-0006 EA 3'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	108.93	17.03
For Oak Or Maple, Add	23.19	
For Birch, Add	26.19	
For Mahogany, Add	63.60	
For Walnut Frame, Add	33.67	
06 48 16 00-0007 EA 4' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	115.00	18.09
For Oak Or Maple, Add	24.42	
For Birch, Add	27.57	
For Mahogany, Add	66.96	
For Walnut Frame, Add	35.45	
06 48 16 00-0008 EA 5' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	121.93	19.58
For Oak Or Maple, Add	25.65	
For Birch, Add	28.96	
For Mahogany, Add	70.34	
For Walnut Frame, Add	37.24	
06 48 16 00-0009 EA 6' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	128.27	20.81
For Oak Or Maple, Add	26.88	
For Birch, Add	30.35	
For Mahogany, Add	73.70	
For Walnut Frame, Add	39.02	
06 48 16 00-0010 LF 4-9/16", Pine Interior Door Frame	4.15	1.42
For Oak Or Maple, Add	0.41	
For Birch, Add	0.46	
For Mahogany, Add	1.11	
For Walnut Frame, Add	0.59	

06 50 Structural Plastics (06)

06 51 Structural Plastic Shapes And Plates (06 50)

06 51 13 Plastic Lumber (06 51)

Note: Available in gray, redwood, black. Plastic lumber can be cut with saw for desired length or shape, drilled, screwed, nailed or stapled.

06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber (06 51 13)

06 51 13 00-0002 LF 2" x 6", Beam Or Girder, Recycled Plastic Lumber	6.53	0.95
For Reinforced Structural Plastic Lumber, Add	1.91	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.47	
For White Color, Add	2.20	
For All Other Colors (Except Black, Brown Or White), Add	1.86	
06 51 13 00-0003 LF 2" x 8", Beam Or Girder, Recycled Plastic Lumber	8.36	1.03
For Reinforced Structural Plastic Lumber, Add	2.55	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.62	
For White Color, Add	2.92	
For All Other Colors (Except Black, Brown Or White), Add	2.48	
06 51 13 00-0004 LF 2" x 10", Beam Or Girder, Recycled Plastic Lumber	10.01	1.11
For Reinforced Structural Plastic Lumber, Add	3.12	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.76	
For White Color, Add	3.58	
For All Other Colors (Except Black, Brown Or White), Add	3.03	
06 51 13 00-0005 LF 3" x 10", Beam Or Girder, Recycled Plastic Lumber	14.65	1.33
For Reinforced Structural Plastic Lumber, Add	4.72	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.15	
For White Color, Add	5.42	
For All Other Colors (Except Black, Brown Or White), Add	4.59	
06 51 13 00-0006 LF 3" x 12", Beam Or Girder, Recycled Plastic Lumber	17.56	1.49
For Reinforced Structural Plastic Lumber, Add	5.71	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.39	
For White Color, Add	6.55	
For All Other Colors (Except Black, Brown Or White), Add	5.55	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes And Plates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0007 LF 4" x 4", Beam Or Girder, Recycled Plastic Lumber.....	9.42	1.29
For Reinforced Structural Plastic Lumber, Add	2.81	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.68	
For White Color, Add	3.23	
For All Other Colors (Except Black, Brown Or White), Add	2.73	
06 51 13 00-0008 LF 4" x 6", Beam Or Girder, Recycled Plastic Lumber.....	12.73	1.37
For Reinforced Structural Plastic Lumber, Add	3.99	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.97	
For White Color, Add	4.58	
For All Other Colors (Except Black, Brown Or White), Add	3.88	
06 51 13 00-0009 LF 5" x 5", Beam Or Girder, Recycled Plastic Lumber.....	13.25	1.41
For Reinforced Structural Plastic Lumber, Add	4.16	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.01	
For White Color, Add	4.78	
For All Other Colors (Except Black, Brown Or White), Add	4.05	
06 51 13 00-0010 LF 6" x 6", Beam Or Girder, Recycled Plastic Lumber.....	18.33	1.53
For Reinforced Structural Plastic Lumber, Add	5.97	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.45	
For White Color, Add	6.86	
For All Other Colors (Except Black, Brown Or White), Add	5.81	
06 51 13 00-0011 LF 6" x 8", Beam Or Girder, Recycled Plastic Lumber.....	25.05	1.61
For Reinforced Structural Plastic Lumber, Add	8.41	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.05	
For White Color, Add	9.66	
For All Other Colors (Except Black, Brown Or White), Add	8.19	
06 51 13 00-0012 Joists, Recycled Plastic Lumber (06 51 13)		
06 51 13 00-0013 LF 2" x 4", Joist, Recycled Plastic Lumber.....	4.26	0.53
For Reinforced Structural Plastic Lumber, Add	1.29	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.31	
For White Color, Add	1.48	
For All Other Colors (Except Black, Brown Or White), Add	1.26	
06 51 13 00-0014 LF 2" x 6", Joist, Recycled Plastic Lumber.....	5.94	0.56
For Reinforced Structural Plastic Lumber, Add	1.91	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.47	
For White Color, Add	2.20	
For All Other Colors (Except Black, Brown Or White), Add	1.86	
06 51 13 00-0015 LF 2" x 8", Joist, Recycled Plastic Lumber.....	7.77	0.62
For Reinforced Structural Plastic Lumber, Add	2.55	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.62	
For White Color, Add	2.92	
For All Other Colors (Except Black, Brown Or White), Add	2.48	
06 51 13 00-0016 LF 2" x 10", Joist, Recycled Plastic Lumber.....	9.48	0.75
For Reinforced Structural Plastic Lumber, Add	3.12	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.76	
For White Color, Add	3.58	
For All Other Colors (Except Black, Brown Or White), Add	3.03	
06 51 13 00-0017 LF 3" x 10", Joist, Recycled Plastic Lumber.....	14.00	0.87
For Reinforced Structural Plastic Lumber, Add	4.72	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.15	
For White Color, Add	5.42	
For All Other Colors (Except Black, Brown Or White), Add	4.59	
06 51 13 00-0018 LF 3" x 12", Joist, Recycled Plastic Lumber.....	17.01	1.11
For Reinforced Structural Plastic Lumber, Add	5.71	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.39	
For White Color, Add	6.55	
For All Other Colors (Except Black, Brown Or White), Add	5.55	
06 51 13 00-0019 LF 4" x 4", Joist, Recycled Plastic Lumber.....	8.71	0.79
For Reinforced Structural Plastic Lumber, Add	2.81	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.68	
For White Color, Add	3.23	
For All Other Colors (Except Black, Brown Or White), Add	2.73	
06 51 13 00-0020 LF 4" x 6", Joist, Recycled Plastic Lumber.....	11.97	0.83
For Reinforced Structural Plastic Lumber, Add	3.99	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.97	
For White Color, Add	4.58	
For All Other Colors (Except Black, Brown Or White), Add	3.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0021 LF 5" x 5", Joist, Recycled Plastic Lumber.....	12.54	0.91
For Reinforced Structural Plastic Lumber, Add	4.16	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.01	
For White Color, Add	4.78	
For All Other Colors (Except Black, Brown Or White), Add	4.05	
06 51 13 00-0022 LF 6" x 6", Joist, Recycled Plastic Lumber.....	17.62	1.03
For Reinforced Structural Plastic Lumber, Add	5.97	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.45	
For White Color, Add	6.86	
For All Other Colors (Except Black, Brown Or White), Add	5.81	
06 51 13 00-0023 LF 6" x 8", Joist, Recycled Plastic Lumber.....	24.33	1.11
For Reinforced Structural Plastic Lumber, Add	8.41	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.05	
For White Color, Add	9.66	
For All Other Colors (Except Black, Brown Or White), Add	8.19	
06 51 13 00-0024 Columns, Recycled Plastic Lumber (06 51 13)		
06 51 13 00-0025 LF 4" x 4", Column, Recycled Plastic Lumber.....	10.01	1.70
For Reinforced Structural Plastic Lumber, Add	2.81	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.68	
For White Color, Add	3.23	
For All Other Colors (Except Black, Brown Or White), Add	2.73	
06 51 13 00-0026 LF 4" x 6", Column, Recycled Plastic Lumber.....	14.21	2.40
For Reinforced Structural Plastic Lumber, Add	3.99	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.97	
For White Color, Add	4.58	
For All Other Colors (Except Black, Brown Or White), Add	3.88	
06 51 13 00-0027 LF 5" x 5", Column, Recycled Plastic Lumber.....	15.08	2.69
For Reinforced Structural Plastic Lumber, Add	4.16	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.01	
For White Color, Add	4.78	
For All Other Colors (Except Black, Brown Or White), Add	4.05	
06 51 13 00-0028 LF 6" x 6", Column, Recycled Plastic Lumber.....	20.51	3.06
For Reinforced Structural Plastic Lumber, Add	5.97	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.45	
For White Color, Add	6.86	
For All Other Colors (Except Black, Brown Or White), Add	5.81	
06 51 13 00-0029 LF 6" x 8", Column, Recycled Plastic Lumber.....	28.12	3.77
For Reinforced Structural Plastic Lumber, Add	8.41	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.05	
For White Color, Add	9.66	
For All Other Colors (Except Black, Brown Or White), Add	8.19	
06 51 13 00-0030 Walls, Recycled Plastic Lumber (06 51 13)		
06 51 13 00-0031 LF 2" x 3", Walls, Recycled Plastic Lumber.....	3.82	0.53
For Reinforced Structural Plastic Lumber, Add	1.13	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.27	
For White Color, Add	1.30	
For All Other Colors (Except Black, Brown Or White), Add	1.10	
06 51 13 00-0032 LF 2" x 4", Walls, Recycled Plastic Lumber.....	4.38	0.62
For Reinforced Structural Plastic Lumber, Add	1.29	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.31	
For White Color, Add	1.48	
For All Other Colors (Except Black, Brown Or White), Add	1.26	
06 51 13 00-0033 LF 2" x 6", Walls, Recycled Plastic Lumber.....	6.12	0.66
For Reinforced Structural Plastic Lumber, Add	1.91	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.47	
For White Color, Add	2.20	
For All Other Colors (Except Black, Brown Or White), Add	1.86	
06 51 13 00-0034 LF 2" x 8", Walls, Recycled Plastic Lumber.....	7.88	0.70
For Reinforced Structural Plastic Lumber, Add	2.55	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.62	
For White Color, Add	2.92	
For All Other Colors (Except Black, Brown Or White), Add	2.48	
06 51 13 00-0035 Other Shapes, Recycled Plastic Lumber (06 51 13)		

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes And Plates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0036 LF 5/4" x 4", Other Shapes, Recycled Plastic Lumber .....3.73		0.47
For Reinforced Structural Plastic Lumber, Add	1.11	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.27	
For White Color, Add	1.28	
For All Other Colors (Except Black, Brown Or White), Add	1.08	
06 51 13 00-0037 LF 5/4" x 6", Other Shapes, Recycled Plastic Lumber .....4.75		0.53
For Reinforced Structural Plastic Lumber, Add	1.47	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.36	
For White Color, Add	1.69	
For All Other Colors (Except Black, Brown Or White), Add	1.43	
06 51 13 00-0038 LF 5/4" x 8", Other Shapes, Recycled Plastic Lumber .....6.24		0.53
For Reinforced Structural Plastic Lumber, Add	2.02	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.49	
For White Color, Add	2.32	
For All Other Colors (Except Black, Brown Or White), Add	1.97	
06 51 13 00-0039 LF 1" x 4", Other Shapes, Recycled Plastic Lumber .....3.75		0.47
For Reinforced Structural Plastic Lumber, Add	1.12	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.27	
For White Color, Add	1.28	
For All Other Colors (Except Black, Brown Or White), Add	1.09	
06 51 13 00-0040 LF 1" x 6", Other Shapes, Recycled Plastic Lumber .....4.15		0.53
For Reinforced Structural Plastic Lumber, Add	1.25	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.30	
For White Color, Add	1.44	
For All Other Colors (Except Black, Brown Or White), Add	1.22	
06 51 13 00-0041 LF 1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber .....4.22		0.53
For Reinforced Structural Plastic Lumber, Add	1.28	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.31	
For White Color, Add	1.47	
For All Other Colors (Except Black, Brown Or White), Add	1.24	
06 51 13 00-0042 LF 2" x 2", Other Shapes, Recycled Plastic Lumber .....2.57		0.46
For Reinforced Structural Plastic Lumber, Add	0.71	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.17	
For White Color, Add	0.82	
For All Other Colors (Except Black, Brown Or White), Add	0.69	
06 51 13 00-0043 LF 2" x 3", Other Shapes, Recycled Plastic Lumber .....3.82		0.53
For Reinforced Structural Plastic Lumber, Add	1.13	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.27	
For White Color, Add	1.30	
For All Other Colors (Except Black, Brown Or White), Add	1.10	
06 51 13 00-0044 LF 2" x 4", Other Shapes, Recycled Plastic Lumber .....4.38		0.62
For Reinforced Structural Plastic Lumber, Add	1.29	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.31	
For White Color, Add	1.48	
For All Other Colors (Except Black, Brown Or White), Add	1.26	
06 51 13 00-0045 LF 2" x 6", Other Shapes, Recycled Plastic Lumber .....6.12		0.66
For Reinforced Structural Plastic Lumber, Add	1.91	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.47	
For White Color, Add	2.20	
For All Other Colors (Except Black, Brown Or White), Add	1.86	
06 51 13 00-0046 LF 2" x 8", Other Shapes, Recycled Plastic Lumber .....7.88		0.70
For Reinforced Structural Plastic Lumber, Add	2.55	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.62	
For White Color, Add	2.92	
For All Other Colors (Except Black, Brown Or White), Add	2.48	
06 51 13 00-0047 LF 2" x 10", Other Shapes, Recycled Plastic Lumber .....9.48		0.75
For Reinforced Structural Plastic Lumber, Add	3.12	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.76	
For White Color, Add	3.58	
For All Other Colors (Except Black, Brown Or White), Add	3.03	
06 51 13 00-0048 LF 2" x 12", Other Shapes, Recycled Plastic Lumber .....11.46		0.79
For Reinforced Structural Plastic Lumber, Add	3.83	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.93	
For White Color, Add	4.40	
For All Other Colors (Except Black, Brown Or White), Add	3.73	
06 51 13 00-0049 LF 3" x 4", Other Shapes, Recycled Plastic Lumber .....6.29		0.73
For Reinforced Structural Plastic Lumber, Add	1.94	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.47	
For White Color, Add	2.23	
For All Other Colors (Except Black, Brown Or White), Add	1.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0050 LF 3" x 6", Other Shapes, Recycled Plastic Lumber	9.24	0.78
For Reinforced Structural Plastic Lumber, Add	3.01	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.73	
For White Color, Add	3.46	
For All Other Colors (Except Black, Brown Or White), Add	2.93	
06 51 13 00-0051 LF 3" x 8", Other Shapes, Recycled Plastic Lumber	12.06	0.83
For Reinforced Structural Plastic Lumber, Add	4.03	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.98	
For White Color, Add	4.63	
For All Other Colors (Except Black, Brown Or White), Add	3.92	
06 51 13 00-0052 LF 3" x 10", Other Shapes, Recycled Plastic Lumber	14.00	0.87
For Reinforced Structural Plastic Lumber, Add	4.72	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.15	
For White Color, Add	5.42	
For All Other Colors (Except Black, Brown Or White), Add	4.59	
06 51 13 00-0053 LF 3" x 12", Other Shapes, Recycled Plastic Lumber	17.01	1.11
For Reinforced Structural Plastic Lumber, Add	5.71	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.39	
For White Color, Add	6.55	
For All Other Colors (Except Black, Brown Or White), Add	5.55	
06 51 13 00-0054 LF 4" x 4", Other Shapes, Recycled Plastic Lumber	8.71	0.79
For Reinforced Structural Plastic Lumber, Add	2.81	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.68	
For White Color, Add	3.23	
For All Other Colors (Except Black, Brown Or White), Add	2.73	
06 51 13 00-0055 LF 4" x 6", Other Shapes, Recycled Plastic Lumber	11.97	0.83
For Reinforced Structural Plastic Lumber, Add	3.99	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.97	
For White Color, Add	4.58	
For All Other Colors (Except Black, Brown Or White), Add	3.88	
06 51 13 00-0056 LF 4" x 8", Other Shapes, Recycled Plastic Lumber	16.11	0.90
For Reinforced Structural Plastic Lumber, Add	5.49	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.33	
For White Color, Add	6.30	
For All Other Colors (Except Black, Brown Or White), Add	5.34	
06 51 13 00-0057 LF 5" x 5", Other Shapes, Recycled Plastic Lumber	12.54	0.91
For Reinforced Structural Plastic Lumber, Add	4.16	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.01	
For White Color, Add	4.78	
For All Other Colors (Except Black, Brown Or White), Add	4.05	
06 51 13 00-0058 LF 6" x 6", Other Shapes, Recycled Plastic Lumber	17.62	1.03
For Reinforced Structural Plastic Lumber, Add	5.97	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.45	
For White Color, Add	6.86	
For All Other Colors (Except Black, Brown Or White), Add	5.81	
06 51 13 00-0059 LF 6" x 8", Other Shapes, Recycled Plastic Lumber	24.33	1.11
For Reinforced Structural Plastic Lumber, Add	8.41	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.05	
For White Color, Add	9.66	
For All Other Colors (Except Black, Brown Or White), Add	8.19	
06 51 13 00-0060 LF 6" x 12", Other Shapes, Recycled Plastic Lumber	34.41	1.25
For Reinforced Structural Plastic Lumber, Add	12.07	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.94	
For White Color, Add	13.87	
For All Other Colors (Except Black, Brown Or White), Add	11.75	
06 51 13 00-0061 LF 8" x 8", Other Shapes, Recycled Plastic Lumber	30.59	1.20
For Reinforced Structural Plastic Lumber, Add	10.69	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.60	
For White Color, Add	12.27	
For All Other Colors (Except Black, Brown Or White), Add	10.40	
06 51 13 00-0062 LF 8" x 10", Other Shapes, Recycled Plastic Lumber	52.34	1.25
For Reinforced Structural Plastic Lumber, Add	18.71	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	4.55	
For White Color, Add	21.49	
For All Other Colors (Except Black, Brown Or White), Add	18.20	
06 51 13 00-0063 LF 10" x 10", Other Shapes, Recycled Plastic Lumber	72.65	1.30
For Reinforced Structural Plastic Lumber, Add	26.20	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	6.37	
For White Color, Add	30.09	
For All Other Colors (Except Black, Brown Or White), Add	25.49	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes And Plates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0064 LF 2" Diameter, Other Shapes, Recycled Plastic Lumber.....	2.77	0.42
For Reinforced Structural Plastic Lumber, Add	0.81	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.20	
For White Color, Add	0.93	
For All Other Colors (Except Black, Brown Or White), Add	0.78	
06 51 13 00-0065 LF 3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber.....	8.03	0.53
For Reinforced Structural Plastic Lumber, Add	2.69	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.65	
For White Color, Add	3.09	
For All Other Colors (Except Black, Brown Or White), Add	2.61	
06 51 13 00-0066 LF 4" Diameter, Other Shapes, Recycled Plastic Lumber.....	8.85	0.62
For Reinforced Structural Plastic Lumber, Add	2.95	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.72	
For White Color, Add	3.38	
For All Other Colors (Except Black, Brown Or White), Add	2.87	
06 51 13 00-0067 LF 5" Diameter, Other Shapes, Recycled Plastic Lumber.....	10.96	0.75
For Reinforced Structural Plastic Lumber, Add	3.66	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.89	
For White Color, Add	4.21	
For All Other Colors (Except Black, Brown Or White), Add	3.56	
06 51 13 00-0068 LF 6" Diameter, Other Shapes, Recycled Plastic Lumber.....	24.35	0.87
For Reinforced Structural Plastic Lumber, Add	8.55	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.08	
For White Color, Add	9.82	
For All Other Colors (Except Black, Brown Or White), Add	8.32	
06 51 13 00-0069 SF 1/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	2.23	0.46
06 51 13 00-0070 SF 1/4" Thick, Other Shapes, Recycled Plastic Sheeting.....	3.28	0.47
06 51 13 00-0071 SF 3/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	4.76	0.50
06 51 13 00-0072 SF 1/2" Thick, Other Shapes, Recycled Plastic Sheeting.....	6.08	0.52

06 52 Plastic Structural Assemblies (06 50)**06 52 13 Plastic Columns (06 52)****06 52 13 00-0001 Round Fiberglass Columns (06 52 13)**

06 52 13 00-0002 LF 6" Diameter, Round Fiberglass Column.....	14.70	4.30
06 52 13 00-0003 LF 8" Diameter, Round Fiberglass Column.....	20.58	6.24
06 52 13 00-0004 LF 10" Diameter, Round Fiberglass Column.....	24.23	7.02
06 52 13 00-0005 LF 12" Diameter, Round Fiberglass Column.....	31.74	7.35
06 52 13 00-0006 LF 15" Diameter, Round Fiberglass Column.....	39.28	8.50
06 52 13 00-0007 EA 6" Diameter, Base And Cap For Round Fiberglass Columns.....	28.59	8.14
06 52 13 00-0008 EA 8" Diameter, Base And Cap For Round Fiberglass Columns.....	31.98	8.78
06 52 13 00-0009 EA 10" Diameter, Base And Cap For Round Fiberglass Columns.....	38.47	9.76
06 52 13 00-0010 EA 12" Diameter, Base And Cap For Round Fiberglass Columns.....	57.23	10.41
06 52 13 00-0011 EA 15" Diameter, Base And Cap For Round Fiberglass Columns.....	81.10	11.39

06 52 13 00-0012 Fluted Fiberglass Columns (06 52 13)

06 52 13 00-0013 LF 6" Diameter, Fluted Fiberglass Column.....	15.91	4.30
06 52 13 00-0014 LF 8" Diameter, Fluted Fiberglass Column.....	22.19	6.24
06 52 13 00-0015 LF 10" Diameter, Fluted Fiberglass Column.....	26.27	7.02
06 52 13 00-0016 LF 12" Diameter, Fluted Fiberglass Column.....	35.16	7.35
06 52 13 00-0017 LF 15" Diameter, Fluted Fiberglass Column.....	43.74	8.53
06 52 13 00-0018 EA 6" Diameter, Base And Cap For Fluted Fiberglass Columns.....	31.06	8.14
06 52 13 00-0019 EA 8" Diameter, Base And Cap For Fluted Fiberglass Columns.....	34.87	8.78
06 52 13 00-0020 EA 10" Diameter, Base And Cap For Fluted Fiberglass Columns.....	42.26	9.76
06 52 13 00-0021 EA 12" Diameter, Base And Cap For Fluted Fiberglass Columns.....	64.51	10.41
06 52 13 00-0022 EA 15" Diameter, Base And Cap For Fluted Fiberglass Columns.....	92.76	11.39

06 52 13 00-0023 Ornamental Or Decorative Cap And Base For Fiberglass Columns (06 52 13)

06 52 13 00-0024 EA 8" Roman Ionic Cap And Base For Fiberglass Columns.....	149.96	9.76
06 52 13 00-0025 EA 10" Roman Ionic Cap And Base For Fiberglass Columns.....	201.92	11.39
06 52 13 00-0026 EA 12" Roman Ionic Cap And Base For Fiberglass Columns.....	260.48	13.01
06 52 13 00-0027 EA 8" Scamozzi Cap And Base For Fiberglass Columns.....	180.51	9.76
06 52 13 00-0028 EA 10" Scamozzi Cap And Base For Fiberglass Columns.....	217.61	11.39
06 52 13 00-0029 EA 12" Scamozzi Cap And Base For Fiberglass Columns.....	321.58	13.01
06 52 13 00-0030 EA 8" Corinthian Cap And Base For Fiberglass Columns.....	230.04	9.76
06 52 13 00-0031 EA 10" Corinthian Cap And Base For Fiberglass Columns.....	279.53	11.39
06 52 13 00-0032 EA 12" Corinthian Cap And Base For Fiberglass Columns.....	372.76	13.01
06 52 13 00-0033 EA 8" Temple Of Winds Cap And Base For Fiberglass Columns.....	152.44	9.76
06 52 13 00-0034 EA 10" Temple Of Winds Cap And Base For Fiberglass Columns.....	206.87	11.39
06 52 13 00-0035 EA 12" Temple Of Winds Cap And Base For Fiberglass Columns.....	265.44	13.01
06 52 13 00-0036 EA 8" Greek Erectheum Cap And Base For Fiberglass Columns.....	152.44	9.76
06 52 13 00-0037 EA 10" Greek Erectheum Cap And Base For Fiberglass Columns.....	183.76	11.39
06 52 13 00-0038 EA 12" Greek Erectheum Cap And Base For Fiberglass Columns.....	244.80	13.01



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 53 Plastic Decking (06 50)				
06 53 16 Plastic Stair Treads (06 53)				
06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads (06 53 16)				
Note: Includes standard colors and anchors. Excludes stringers.				
		06 53 16 00-0002 LF 1" Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, 12" Wide Excluding Stringer.....	26.81	1.67
		06 53 16 00-0003 LF 1-1/2" Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, 12" Wide Excluding Stringer.....	31.61	2.02
		06 53 16 00-0004 LF 2" Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, 12" Wide Excluding Stringer.....	44.85	2.22
06 60 Plastic Fabrications (06)				
06 65 Plastic Trim (06 60)				
06 65 00 00-0001 Plastic Moldings (06 65)				
Note: All dimensions are nominal.				
06 65 00 00-0002 Base, Plastic Moldings (06 65 00 00-0001)				
		06 65 00 00-0003 LF 3-1/2" High, Base, Plastic Molding.....	3.41	1.17
		06 65 00 00-0004 LF 4-1/2" High, Base, Plastic Molding.....	4.15	1.46
		06 65 00 00-0005 LF 3/4" x 1", Base Shoe, Plastic Molding.....	3.16	1.23
06 65 00 00-0006 Cornice, Plastic Moldings (06 65 00 00-0001)				
		06 65 00 00-0007 LF 1" x 2" Cornice, Plastic Molding.....	3.14	1.17
		06 65 00 00-0008 LF 1" x 4" Cornice, Plastic Molding.....	3.87	1.23
		06 65 00 00-0009 LF 1" x 6" Cornice, Plastic Molding.....	5.28	1.28
		06 65 00 00-0010 LF 1" x 8" Cornice, Plastic Molding.....	6.05	1.34
		06 65 00 00-0011 LF 1" x 10" Cornice, Plastic Molding.....	6.96	1.40
		06 65 00 00-0012 LF 1" x 12" Cornice, Plastic Molding.....	8.87	1.46
06 65 00 00-0013 Crown Or Bed, Plastic Moldings (06 65 00 00-0001)				
		06 65 00 00-0014 LF 9/16" x 1-5/8" Crown Or Bed, Plastic Molding.....	5.53	1.17
		06 65 00 00-0015 LF 9/16" x 2-1/4" Crown Or Bed, Plastic Molding.....	7.39	1.46
		06 65 00 00-0016 LF 9/16" x 3-1/2" Crown Or Bed, Plastic Molding.....	7.70	1.46
		06 65 00 00-0017 LF 9/16" x 3-5/8" Crown Or Bed, Plastic Molding.....	8.01	1.46
		06 65 00 00-0018 LF 5/8" x 4-1/4" Crown Or Bed, Plastic Molding.....	10.44	1.76
		06 65 00 00-0019 LF 11/16" x 4-5/8" Crown Or Bed, Plastic Molding.....	12.34	1.76
06 65 00 00-0020 Dentil, Plastic Moldings (06 65 00 00-0001)				
		06 65 00 00-0021 LF 11/16" x 1-3/8" Dentil, Plastic Molding.....	4.72	1.17
		06 65 00 00-0022 LF 5/8" x 2-1/2" Dentil, Plastic Molding.....	5.30	1.17
		06 65 00 00-0023 LF 1-3/8" x 3-3/8" Dentil, Plastic Molding.....	6.61	1.17
		06 65 00 00-0024 LF 1-1/2" x 4-1/2" Dentil, Plastic Molding.....	8.88	1.17
06 65 00 00-0025 Cove, Plastic Moldings (06 65 00 00-0001)				
		06 65 00 00-0026 LF 3/8" x 3/8" Cove, Plastic Molding.....	1.82	0.65
		06 65 00 00-0027 LF 1/2" x 1/2" Cove, Plastic Molding.....	1.97	0.65
		06 65 00 00-0028 LF 5/8" x 5/8" Cove, Plastic Molding.....	2.59	0.76
		06 65 00 00-0029 LF 3/4" x 3/4" Cove, Plastic Molding.....	2.59	0.76
		06 65 00 00-0030 LF 15/16" x 15/16" Cove, Plastic Molding.....	3.27	0.76
		06 65 00 00-0031 LF 9/16" x 1-3/4" Cove, Plastic Molding.....	4.28	0.88
		06 65 00 00-0032 LF 11/16" x 2-3/4" Cove, Plastic Molding.....	5.72	0.88
06 65 00 00-0033 Chair Rail, Plastic Moldings (06 65 00 00-0001)				
		06 65 00 00-0034 LF 1/2" x 1-5/8" Chair Rail, Plastic Molding.....	3.04	0.88
		06 65 00 00-0035 LF 5/8" x 2-1/2" Chair Rail, Plastic Molding.....	4.09	1.17
		06 65 00 00-0036 LF 5/8" x 3-1/2" Chair Rail, Plastic Molding.....	4.97	1.17
06 65 00 00-0037 Door, Plastic Moldings (06 65 00 00-0001)				
		06 65 00 00-0038 LF 1-1/8" Wide, Door, Plastic Molding.....	2.63	1.05
		06 65 00 00-0039 LF 1-1/8" Wide, Detailed Door, Plastic Molding.....	2.65	1.05
06 65 00 00-0040 Trim, Plastic Moldings (06 65 00 00-0001)				
		06 65 00 00-0041 LF 1/2" x 1/2" Quarter Round Trim, Plastic Molding.....	2.76	1.23
		06 65 00 00-0042 LF 3/4" x 3/4" Quarter Round Trim, Plastic Molding.....	3.09	1.23
		06 65 00 00-0043 LF 1-1/4" x 2" Brick Mould, Plastic Molding.....	3.58	1.17
		06 65 00 00-0044 LF 1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding.....	4.16	1.17
		06 65 00 00-0045 LF 1 1/16" x 1-5/8" Drip Cap, Plastic Molding.....	3.02	1.17
		06 65 00 00-0046 LF 2-3/4" x 2" Water Table, Plastic Molding.....	4.58	1.17
		06 65 00 00-0047 LF 3/8" x 2" Garage Door Stop, Plastic Molding.....	3.34	1.17

06 Wood, Plastics, and Composites**06 60 Plastic Fabrications****06 65 Plastic Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 65 00 00-0048		Extruded Polyvinyl Chloride (PVC) Trimboard ^(06 65)	
Note: As manufactured by Azek or Kleer. All dimensions are nominal.			
06 65 00 00-0049	LF	1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard.....	2.26 0.46
06 65 00 00-0050	LF	1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard.....	3.25 0.52
06 65 00 00-0051	LF	1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard.....	4.25 0.58
06 65 00 00-0052	LF	1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard.....	5.14 0.60
06 65 00 00-0053	LF	1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard.....	6.11 0.62
06 65 00 00-0054	LF	5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard.....	2.78 0.46
06 65 00 00-0055	LF	5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard.....	4.05 0.52
06 65 00 00-0056	LF	5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard.....	5.14 0.58
06 65 00 00-0057	LF	5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard.....	6.36 0.60
06 65 00 00-0058	LF	5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard.....	7.47 0.62
06 65 00 00-0059	LF	3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board.....	6.08 0.60
06 65 00 00-0060	LF	5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board.....	8.08 0.62
06 65 00 00-0061	SF	1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets.....	4.25 0.52
06 65 00 00-0062	SF	3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets.....	6.12 0.58

06 70 Structural Composites ⁽⁰⁶⁾**06 74 Composite Gratings ^(06 74)****06 74 13 Fiberglass Reinforced Gratings ^(06 74)****06 74 13 00-0001 Molded Fiberglass Gratings And Coverings ^(06 74 13)****06 74 13 00-0002 Vi-Corr Resin System ^(06 74 13 00-0001)**

Note: Orange or dark gray.

06 74 13 00-0003	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top.....	29.15 1.21
06 74 13 00-0004	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top.....	28.31 1.21
06 74 13 00-0005	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top.....	37.04 1.21
06 74 13 00-0006	SF	2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top.....	40.07 1.54
06 74 13 00-0007	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top.....	30.61 1.21
06 74 13 00-0008	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top.....	29.74 1.21
06 74 13 00-0009	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top.....	39.15 1.21
06 74 13 00-0010	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top.....	42.05 1.54
06 74 13 00-0011	SF	1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	27.67 0.97
06 74 13 00-0012	SF	1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	44.96 1.06
06 74 13 00-0013	SF	3/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	61.70 1.17

06 74 13 00-0014 IFR Fire Retardant Isophthalic Resin ^(06 74 13 00-0001)

06 74 13 00-0015	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	26.79 1.21
06 74 13 00-0016	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	25.07 1.21
06 74 13 00-0017	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	32.35 1.21
06 74 13 00-0018	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	34.86 1.54
06 74 13 00-0019	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	27.98 1.21
06 74 13 00-0020	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	25.75 1.21
06 74 13 00-0021	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	35.12 1.54
06 74 13 00-0022	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	36.83 1.54
06 74 13 00-0023	SF	1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	24.36 0.97
06 74 13 00-0024	SF	1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	34.58 1.06
06 74 13 00-0025	SF	3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	47.57 1.17

06 74 13 00-0026 Corvex Polyester Resin ^(06 74 13 00-0001)

Note: Dark gray.

06 74 13 00-0027	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top.....	22.68 1.21
06 74 13 00-0028	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top.....	21.77 1.21
06 74 13 00-0029	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top.....	26.46 1.21
06 74 13 00-0030	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top.....	30.39 1.54
06 74 13 00-0031	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top.....	24.19 1.21
06 74 13 00-0032	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top.....	23.27 1.21
06 74 13 00-0033	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top.....	28.21 1.21
06 74 13 00-0034	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top.....	31.89 1.54
06 74 13 00-0035	SF	1/4" Corvex Polyester Resin, Fiberplate Covering.....	21.48 0.97
06 74 13 00-0036	SF	1/2" Corvex Polyester Resin, Fiberplate Covering.....	34.42 1.06
06 74 13 00-0037	SF	3/4" Corvex Polyester Resin, Fiberplate Covering.....	47.83 1.17

06 74 13 00-0038 XFR Extra Fire Retardant ^(06 74 13 00-0001)

06 74 13 00-0039	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top.....	33.53 1.21
06 74 13 00-0040	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top.....	32.54 1.21
06 74 13 00-0041	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top.....	44.67 1.21
06 74 13 00-0042	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top.....	47.67 1.54
06 74 13 00-0043	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top.....	35.01 1.21
06 74 13 00-0044	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top.....	34.04 1.21
06 74 13 00-0045	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top.....	46.42 1.21
06 74 13 00-0046	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top.....	49.80 1.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0047 SF 1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering.....	31.74	0.97
06 74 13 00-0048 SF 1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering.....	51.47	1.06
06 74 13 00-0049 ELS Extremely Low Smoke Resin (06 74 13 00-0001)		
06 74 13 00-0050 SF 1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top.....	34.39	1.21
06 74 13 00-0051 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top.....	33.34	1.21
06 74 13 00-0052 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top.....	43.47	1.21
06 74 13 00-0053 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top.....	46.53	1.54
06 74 13 00-0054 SF 1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top.....	35.76	1.21
06 74 13 00-0055 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top.....	34.90	1.21
06 74 13 00-0056 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top.....	45.15	1.21
06 74 13 00-0057 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top.....	48.24	1.54
06 74 13 00-0058 SF 1/4" ELS Extremity Low Smoke Resin, Fiberplate Covering.....	35.51	0.97
06 74 13 00-0059 SF 1/2 ELS Extremity Low Smoke Resin, Fiberplate Covering.....	64.22	1.06
06 74 13 00-0060 Pultruded Fiberglass Grating (06 74 13)		
06 74 13 00-0061 ISOFR Isophthalic Polyester Resin System (06 74 13 00-0060)		
Note: For moderately corrosive environments, green.		
06 74 13 00-0062 1" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0063 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	24.35	1.54
06 74 13 00-0064 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	21.57	1.21
06 74 13 00-0065 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin.....	27.59	1.54
06 74 13 00-0066 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin.....	25.48	1.21
06 74 13 00-0067 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin.....	18.92	1.54
06 74 13 00-0068 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin.....	16.72	1.21
06 74 13 00-0069 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	21.72	1.54
06 74 13 00-0070 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	19.58	1.21
06 74 13 00-0071 1-1/2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0072 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	27.55	1.54
06 74 13 00-0073 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	24.85	1.21
06 74 13 00-0074 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin.....	31.02	1.54
06 74 13 00-0075 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin.....	29.08	1.21
06 74 13 00-0076 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	24.18	1.54
06 74 13 00-0077 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	22.03	1.21
06 74 13 00-0078 2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0079 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	23.79	1.54
06 74 13 00-0080 SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	26.37	1.54
06 74 13 00-0081 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin.....	31.97	1.54
06 74 13 00-0082 SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin.....	30.14	1.54
06 74 13 00-0083 VEF Vinyl Ester Resin System (06 74 13 00-0060)		
06 74 13 00-0084 1" VEF Vinyl Ester Resin System (06 74 13 00-0083)		
06 74 13 00-0085 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin.....	25.81	1.21
06 74 13 00-0086 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin.....	23.04	1.21
06 74 13 00-0087 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VEF Vinyl Ester Resin.....	29.08	1.21
06 74 13 00-0088 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VEF Vinyl Ester Resin.....	33.44	1.21
06 74 13 00-0089 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VEF Vinyl Ester Resin.....	19.72	1.21
06 74 13 00-0090 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VEF Vinyl Ester Resin.....	17.58	1.21
06 74 13 00-0091 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VEF Vinyl Ester Resin.....	22.70	1.21
06 74 13 00-0092 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VEF Vinyl Ester Resin.....	20.79	1.21
06 74 13 00-0093 1-1/2" VEF Vinyl Ester Resin System (06 74 13 00-0083)		
06 74 13 00-0094 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin.....	28.38	1.21
06 74 13 00-0095 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin.....	25.64	1.21
06 74 13 00-0096 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VEF Vinyl Ester Resin.....	32.50	1.21
06 74 13 00-0097 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VEF Vinyl Ester Resin.....	30.32	1.21
06 74 13 00-0098 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VEF Vinyl Ester Resin.....	25.46	1.21
06 74 13 00-0099 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VEF Vinyl Ester Resin.....	23.42	1.21
06 74 13 00-0100 2" VEF Vinyl Ester Resin System (06 74 13 00-0083)		
06 74 13 00-0101 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin.....	25.01	1.54
06 74 13 00-0102 SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin.....	23.03	1.54
06 74 13 00-0103 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VEF Vinyl Ester Resin.....	33.69	1.54
06 74 13 00-0104 SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VEF Vinyl Ester Resin.....	32.71	1.54
06 74 13 00-0105 Moltruded Fiberglass Rigidex Grating (06 74 13 00-0060)		
06 74 13 00-0106 SF Rigidex I, 1-1/2" Deep Fiberglass Grating, 1-1/2" x 4" Bar Space, Metallic Grey Color, Moltruded, Corvex Resin.....	12.59	1.34
06 74 13 00-0107 SF Rigidex I, 2" Deep Fiberglass Grating, 1-1/2" x 4" Bar Space, Metallic Grey Color, Moltruded, Corvex Resin.....	15.15	1.67

06 Wood, Plastics, and Composites**06 70 Structural Composites****06 74 Composite Gratings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0108	SF		Rigidex II, 1-1/2" Deep Fiberglass Grating, 1" x 4" Bar Space, Yellow Color, Moltruded, SOFR Resin.....	16.83	1.34
06 74 13 00-0109	SF		Rigidex II, 2" Deep Fiberglass Grating, 1" x 4" Bar Space, Yellow Color, Moltruded, ISOFR Resin.....	19.40	1.67
06 80 Composite Fabrications⁽⁰⁶⁾					
06 81 Composite Railings^(06 80)					
06 81 13 Glass-Fiber-Reinforced Plastic Railings^(06 81)					
06 81 13 00-0001 Fiberglass Handrail Assembly^(06 81 13)					
Note: Assembly includes posts, rails, kick plates, fasteners and accessories. Not to be used in conjunction with handrail components.					
06 81 13 00-0002	LF		Fiberglass Side Mount Handrail, 2 1/8" Square Tube Posts Up To 42" High, Set 5' On Center, Two Horizontal 1-3/4" Square Tube Rails, 4" Kickplate, Stainless Steel Fasteners And Accessories.....	48.37	13.42
			<i>For Each LF Of Anchoring Posts Into Masonry Or Concrete, Add</i>	3.00	
			<i>For Sloped Floor Installation, Add</i>	3.76	
			<i>For Stair Installation (Without Kickplates), Add</i>	6.98	
06 81 13 00-0003	LF		Fiberglass Top Mount Handrail, 2 1/8" Square Tube Posts Up To 42" High, Set 5' On Center, Two Horizontal 1-3/4" Square Tube Rails, 4" Kickplate, Stainless Steel Fasteners And Accessories.....	55.15	12.58
06 81 13 00-0004	LF		Fiberglass Handrail For Stairs, 2 1/8" Square Tube Posts Up To 42" High, Set 5' On Center, Two Horizontal 1-3/4" Square Tube Rails, Stainless Steel Fasteners And Accessories.....	51.64	16.78
06 81 13 00-0005 Fiberglass Handrail Components^(06 81 13)					
Note: This section is only to be used when entire handrail assembly is not required.					
06 81 13 00-0006	LF		Fiberglass Kickplate (12' Sections) With Splice Kit.....	11.38	3.36
06 81 13 00-0007	LF		Fiberglass Kickplate (24' sections) With Splice Kit.....	10.08	3.36
06 81 13 00-0008	EA		Fiberglass Side Mount Post For Handrail.....	111.09	20.14
06 81 13 00-0009	EA		Fiberglass Top Mount Post For Handrail With Stainless Steel Base.....	129.80	13.42
06 81 13 00-0010	LF		Fiberglass Square Tube For Horizontal Handrail, ISOFR 1-3/4" x 1/8" (12' sections).....	12.32	4.02
06 81 13 00-0011	LF		Fiberglass Square Tube For Horizontal Handrail, ISOFR 1-3/4" x 1/8" (24' sections).....	11.65	4.02
06 81 13 00-0012	LF		Fiberglass Square Tube For Horizontal Handrail, ISOFR 2-1/8" x 3/16" (21' sections).....	12.65	4.02
06 82 Composite Trim^(06 80)					
06 82 00 00-0001 Fiberglass Castings^(06 82)					
06 82 00 00-0002 Fiberglass Angle, Equal Legs^(06 82 00 00-0001)					
06 82 00 00-0003	LF		1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin.....	5.89	2.02
06 82 00 00-0004	LF		1" x 1" x 1/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin.....	6.20	2.02
06 82 00 00-0005	LF		3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin.....	11.31	2.42
06 82 00 00-0006	LF		3" x 3" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin.....	12.55	2.42
06 82 00 00-0007	LF		4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin.....	12.63	2.42
06 82 00 00-0008	LF		4" x 4" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin.....	13.52	2.42
06 82 00 00-0009	LF		4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin.....	14.73	2.42
06 82 00 00-0010	LF		4" x 4" x 3/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin.....	16.65	2.42
06 82 00 00-0011	LF		6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin.....	40.53	3.02
06 82 00 00-0012	LF		6" x 6" x 1/2" Thick Fiberglass Angle, VERF Vinyl Ester Resin.....	46.72	3.02
06 82 00 00-0013 Fiberglass Channels^(06 82 00 00-0001)					
06 82 00 00-0014	LF		3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	6.77	3.02
06 82 00 00-0015	LF		3" x 1" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin.....	7.08	3.02
06 82 00 00-0016	LF		4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	14.70	3.42
06 82 00 00-0017	LF		4" x 1 1/8" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin.....	14.70	3.42
06 82 00 00-0018	LF		6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	23.39	3.42
06 82 00 00-0019	LF		6" x 1 11/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin.....	27.30	3.42
06 82 00 00-0020	LF		8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	21.93	3.42
06 82 00 00-0021	LF		8" x 2 3/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin.....	26.48	3.42
06 82 00 00-0022	LF		10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	33.40	4.70
06 82 00 00-0023	LF		10" x 2-3/4" x 1/2" Fiberglass Channel, VERF Vinyl Ester Resin.....	38.44	4.70
06 82 00 00-0024 Fiberglass Wide Flange Beams^(06 82 00 00-0001)					
06 82 00 00-0025	LF		4" x 4" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	20.02	4.02
06 82 00 00-0026	LF		4" x 4" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin.....	21.97	4.02
06 82 00 00-0027	LF		6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	25.70	4.83
06 82 00 00-0028	LF		6" x 6" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin.....	26.63	4.83
06 82 00 00-0029	LF		8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	41.83	6.04
06 82 00 00-0030	LF		8" x 8" x 3/8" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin.....	52.84	6.04
06 82 00 00-0031	LF		10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	94.29	7.38
06 82 00 00-0032	LF		10" x 10" x 1/2" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin.....	106.32	7.38
06 82 00 00-0033 Fiberglass Flat Sheet^(06 82 00 00-0001)					
Note: Not to be used for bathroom board.					
06 82 00 00-0034	SF		1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin.....	16.52	3.42
06 82 00 00-0035	SF		1/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin.....	17.29	3.42
06 82 00 00-0036	SF		1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin.....	26.26	4.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0037 SF 1/4" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	30.35	4.02
06 82 00 00-0038 SF 3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	35.79	4.83
06 82 00 00-0039 SF 3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	41.93	4.83
06 82 00 00-0040 SF 1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	48.37	6.04
06 82 00 00-0041 SF 1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	57.76	6.04
06 82 00 00-0042 Fiberglass Bars (06 82 00 00-0001)		
06 82 00 00-0043 Square Bars (06 82 00 00-0042)		
06 82 00 00-0044 LF 1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	9.74	2.42
06 82 00 00-0045 LF 1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	14.15	3.56
06 82 00 00-0046 LF 1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin	16.64	4.70
06 82 00 00-0047 Round Bars (06 82 00 00-0042)		
06 82 00 00-0048 LF 1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	6.17	2.02
06 82 00 00-0049 LF 1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	13.51	3.02
06 82 00 00-0050 LF 1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin	15.38	3.02
06 82 00 00-0051 LF 1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	20.59	3.02
06 82 00 00-0052 LF 1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	24.63	3.42
06 82 00 00-0053 Fiberglass Tubes (06 82 00 00-0001)		
06 82 00 00-0054 Square Tube (06 82 00 00-0053)		
06 82 00 00-0055 LF 1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	7.01	2.02
06 82 00 00-0056 LF 1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	7.61	2.02
06 82 00 00-0057 LF 2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	10.48	2.42
06 82 00 00-0058 LF 2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	11.54	2.42
06 82 00 00-0059 LF 3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	20.36	3.02
06 82 00 00-0060 LF 3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	22.82	3.02
06 82 00 00-0061 LF 4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	23.94	3.62
06 82 00 00-0062 LF 4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	30.78	3.62
06 82 00 00-0063 Round Tube (06 82 00 00-0053)		
06 82 00 00-0064 LF 1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	6.69	2.02
06 82 00 00-0065 LF 1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	6.97	2.02
06 82 00 00-0066 LF 2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	12.84	2.42
06 82 00 00-0067 LF 2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	13.74	2.42
06 82 00 00-0068 Fiberglass Threaded Rods (06 82 00 00-0001)		
06 82 00 00-0069 LF 3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	9.31	1.54
06 82 00 00-0070 LF 1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	9.93	1.54
06 82 00 00-0071 LF 5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	11.39	1.74
06 82 00 00-0072 LF 3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	12.60	1.74
06 82 00 00-0073 LF 1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	13.97	1.74
06 82 00 00-0074 Grating Support Legs, VEFR Resin (06 82 00 00-0001)		
06 82 00 00-0075 EA Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings	18.45	
06 82 00 00-0076 EA Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings	7.91	
06 82 00 00-0077 EA Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings	29.73	
06 82 00 00-0078 Fiberglass Netting (06 82 00 00-0001)		
06 82 00 00-0079 SF 1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting	0.46	0.21
06 82 00 00-0080 SF 1/2" x 2" Mesh, Clear Flexible Fiberglass Netting	0.46	0.21
06 82 00 00-0081 SF 3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting	0.46	0.21
06 82 00 00-0082 SF 7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting	0.46	0.21
06 82 00 00-0083 SF 1" x 1" Mesh, Clear Flexible Fiberglass Netting	0.46	0.21
06 82 00 00-0084 SF 1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting	0.44	0.21
06 82 00 00-0085 SF 1/2" x 2" Mesh, Green Flexible Fiberglass Netting	0.44	0.21
06 82 00 00-0086 SF 3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting	0.44	0.21
06 82 00 00-0087 SF 7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting	0.44	0.21
06 82 00 00-0088 SF 1" x 1" Mesh, Green Flexible Fiberglass Netting	0.44	0.21
06 82 00 00-0089 Fiberglass Stair Treads (06 82)		
06 82 00 00-0090 Fiberglass Stair Treads (06 82 00 00-0089)		
06 82 00 00-0091 10-1/2" Deep Isophthalic Resin System (06 82 00 00-0090)		
06 82 00 00-0092 EA 1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	63.14	10.54
06 82 00 00-0093 EA 1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	73.68	10.54
06 82 00 00-0094 EA 1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	84.23	10.54
06 82 00 00-0095 EA 1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	94.77	10.54
06 82 00 00-0096 EA 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	69.47	10.54
06 82 00 00-0097 EA 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	81.59	10.54

06 Wood, Plastics, and Composites**06 80 Composite Fabrications****06 82 Composite Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0098 EA 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	93.72	10.54
06 82 00 00-0099 EA 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	105.84	10.54
06 82 00 00-0100 EA 2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	79.17	10.54
06 82 00 00-0101 EA 2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	93.72	10.54
06 82 00 00-0102 EA 2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	108.27	10.54
06 82 00 00-0103 EA 2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	122.81	10.54
06 82 00 00-0104 12" Deep Isophthalic Resin System (06 82 00 00-0090)		
06 82 00 00-0105 EA 1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	69.17	10.54
06 82 00 00-0106 EA 1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	81.22	10.54
06 82 00 00-0107 EA 1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	93.27	10.54
06 82 00 00-0108 EA 1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	105.32	10.54
06 82 00 00-0109 EA 1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	76.40	10.54
06 82 00 00-0110 EA 1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	90.25	10.54
06 82 00 00-0111 EA 1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	104.11	10.54
06 82 00 00-0112 EA 1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	117.97	10.54
06 82 00 00-0113 EA 2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	87.48	10.54
06 82 00 00-0114 EA 2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	104.11	10.54
06 82 00 00-0115 EA 2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	120.74	10.54
06 82 00 00-0116 EA 2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	137.37	10.54
06 82 00 00-0117 Other Fiberglass (06 82)		
06 82 00 00-0118 Fiberglass Splash Blocks (06 82 00 00-0117)		
06 82 00 00-0119 EA Standard Size Fiberglass Splash Block	9.86	2.10

END OF SECTION 06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 Thermal And Moisture Protection

07 01 Operation And Maintenance Of Thermal And Moisture Protection ⁽⁰⁷⁾

07 01 50 Maintenance Of Membrane Roofing ^(07 01)

07 01 50 19 Preparation For Re-Roofing ^(07 01 50)

07 01 50 19-0001 Preparation For Re-Roofing ^(07 01 50 19)

07 01 50 19-0002	SQ	Remove Pea Gravel Ballast From Roof, Vacuum And Disposal.....	19.34
07 01 50 19-0003	SQ	Remove Gravel Ballast From Roof, Vacuum And Disposal	32.23

07 01 50 91 Roofing Restoration ^(07 01 50)

07 01 50 91-0001 Pressure Wash Membrane Roofing ^(07 01 50 91)

07 01 50 91-0002	SF	Up To 2,500 PSI, Pressure Wash Membrane Roofing	0.09
		<i>For Up To 100, Add</i>	<i>0.07</i>
		<i>For >100 To 250, Add</i>	<i>0.03</i>
		<i>For >250 To 500, Add</i>	<i>0.01</i>
		<i>For >5,000 To 10,000, Deduct</i>	<i>0.00</i>
		<i>For >10,000 To 15,000, Deduct</i>	<i>-0.01</i>
		<i>For >15,000 To 30,000, Deduct</i>	<i>-0.01</i>
		<i>For >30,000, Deduct</i>	<i>-0.02</i>

07 05 Common Work Results For Thermal And Moisture Protection ⁽⁰⁷⁾

07 05 13 Small Quantities And Repairs For Roofing ^(07 05)

07 05 13 00-0001 Roof Repair ^(07 05 13)

Note: Less than 100 SF areas. Excludes small quantity labor set-up charge. See CSI section 07 05 13 00-0003 for small quantity labor set-up charge.

07 05 13 00-0002	LF	Heat Weld Roofing Seams For Repair.....	3.97
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07 05 13 00-0003 Small Quantity Labor Set-Up Charge ^(07 05 13)

Note: For use with all roofing tasks where the total roof quantity is 4 squares or less. This adjustment is to allow for minimum charge for labor. Excludes material cost or labor to install material.

07 05 13 00-0004	EA	Labor Crew Up-Charge For 1 SQ Or Less.....	651.60
07 05 13 00-0005	EA	Labor Crew Up-Charge For >1 To 2 SQ.....	487.52
07 05 13 00-0006	EA	Labor Crew Up-Charge For >2 To 3 SQ.....	325.80
07 05 13 00-0007	EA	Labor Crew Up-Charge For >3 To 4 SQ.....	162.51

07 05 13 00-0008 Emergency Roof Patch ^(07 05 13)

Note: 4 Hour response time.

07 05 13 00-0009	EA	Mobilize For Emergency Roof Patching.....	216.51
07 05 13 00-0010	EA	Granule Emergency Roof Patch Cover 16 SF.....	68.62

07 05 13 00-0011 Adhesives ^(07 05 13)

Note: For repair of seams.

07 05 13 00-0012 Mastic Sealer ^(07 05 13 00-0011)

07 05 13 00-0013 Applied At Joints Only ^(07 05 13 00-0012)

07 05 13 00-0014	LF	Mastic Sealer, 1/4" Bead At Joint.....	2.20
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0.93

07 10 Dampproofing And Waterproofing ⁽⁰⁷⁾

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost. Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of hydrostatic pressure.

07 11 Dampproofing ^(07 10)

07 11 13 Bituminous Dampproofing ^(07 11)

07 11 13 00-0001 Fibrous Asphalt Dampproofing, Brush, Roller Or Spray ^(07 11 13)

07 11 13 00-0002	CSF	1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray.....	85.92
07 11 13 00-0003	CSF	2 Coats, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray.....	129.29

07 11 13 00-0004 Fibrous Asphalt Dampproofing, Troweled On ^(07 11 13)

07 11 13 00-0005	CSF	Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On.....	150.14
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07 Thermal And Moisture Protection**07 10 Dampproofing And Waterproofing****07 11 Dampproofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 11 13 00-0006 CSF Primer And 2 Coats, Fibrous Asphalt Dampproofing, Troweled On.....	236.66	
07 11 13 00-0007 Asphaltic Paint Dampproofing (07 11 13)		
07 11 13 00-0008 CSF 1 Coat, Asphaltic Paint Dampproofing, Brushed On.....	67.96	
07 11 13 00-0009 CSF 2 Coats, Asphaltic Paint Dampproofing, Brushed On.....	126.16	
07 11 19 Sheet Dampproofing (07 11)		
07 11 19 00-0001 Neoprene (07 11 19)		
07 11 19 00-0002 SF 1/16" Patch Neoprene Roof (5-20 SF).....	18.75	
07 13 Sheet Waterproofing (07 10)		
07 13 13 Bituminous Sheet Waterproofing (07 13)		
07 13 13 00-0001 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped (07 13)		
07 13 13 00-0002 CSF 1 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped.....	147.68	53.45
For 30 LB Felt, Add	30.59	
For Application To Horizontal Surfaces, Deduct	-16.03	
07 13 13 00-0003 CSF 2 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped.....	184.43	60.12
For 30 LB Felt, Add	48.14	
For Application To Horizontal Surfaces, Deduct	-18.04	
07 13 13 00-0004 CSF 3 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped.....	221.18	66.80
For 30 LB Felt, Add	65.68	
For Application To Horizontal Surfaces, Deduct	-20.04	
07 13 13 00-0005 CSF 4 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped.....	257.93	73.48
For 30 LB Felt, Add	83.22	
For Application To Horizontal Surfaces, Deduct	-22.05	
07 13 13 00-0006 CSF 5 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped.....	294.69	80.17
For 30 LB Felt, Add	100.77	
For Application To Horizontal Surfaces, Deduct	-24.05	
07 13 13 00-0007 Asphalt Coated Protective Board (07 13 13)		
07 13 13 00-0008 CSF 1/8" Asphalt Coated Protective Board.....	140.41	52.21
For Application To Horizontal Surfaces, Deduct	-17.41	
07 13 13 00-0009 CSF 1/4" Asphalt Coated Protective Board.....	212.48	54.21
For Application To Horizontal Surfaces, Deduct	-18.07	
07 13 13 00-0010 CSF 3/8" Asphalt Coated Protective Board.....	299.55	56.49
For Application To Horizontal Surfaces, Deduct	-18.83	
07 13 13 00-0011 CSF 1/2" Asphalt Coated Protective Board.....	341.96	58.77
For Application To Horizontal Surfaces, Deduct	-19.59	
07 13 53 Elastomeric Sheet Waterproofing (07 13)		
07 13 53 00-0001 Rubberized Membrane Sheet (07 13 53)		
07 13 53 00-0002 SF 215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface.....	4.50	0.54
For Floor Surfaces, Deduct	-0.57	
07 13 53 00-0003 Ethylene Propylene Diene Monomer (EPDM) (07 13 53)		
07 13 53 00-0004 CSF 45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane.....	320.79	75.90
For Application To Horizontal Surfaces, Deduct	-22.77	
07 13 53 00-0005 CSF 60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane.....	398.80	75.90
For Application To Horizontal Surfaces, Deduct	-22.77	
07 13 53 00-0006 Butyl Sheet Waterproofing (07 13 53)		
07 13 53 00-0007 CSF 1/32" Butyl Sheet Waterproofing.....	65.11	18.97
For Joint Taping, Add	7.63	
For Each Additional Ply, Add	47.48	
For Application To Horizontal Surfaces, Deduct	-2.85	
07 13 53 00-0008 CSF 1/16" Butyl Sheet Waterproofing.....	79.78	18.97
For Joint Taping, Add	8.36	
For Each Additional Ply, Add	57.75	
For Application To Horizontal Surfaces, Deduct	-2.85	
07 13 53 00-0009 Butyl With Nylon (07 13 53)		
07 13 53 00-0010 CSF 1/32" Butyl Elastomeric Waterproofing With Nylon.....	73.49	18.97
For Joint Taping, Add	8.05	
For Each Additional Ply, Add	53.34	
For Application To Horizontal Surfaces, Deduct	-2.85	
07 13 53 00-0011 CSF 1/16" Butyl Elastomeric Waterproofing With Nylon.....	82.92	18.97
For Joint Taping, Add	8.52	
For Each Additional Ply, Add	59.95	
For Application To Horizontal Surfaces, Deduct	-2.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0012 Neoprene Sheet Waterproofing (07 13 53)		
07 13 53 00-0013 CSF 1/32" Neoprene Sheet Waterproofing.....	121.74	18.97
For Joint Taping, Add	10.46	
For Each Additional Ply, Add	87.12	
For Application To Horizontal Surfaces, Deduct	-2.85	
07 13 53 00-0014 CSF 1/16" Neoprene Sheet Waterproofing.....	184.17	18.97
For Joint Taping, Add	13.58	
For Each Additional Ply, Add	130.82	
For Application To Horizontal Surfaces, Deduct	-2.85	
07 13 53 00-0015 Neoprene With Nylon (07 13 53)		
07 13 53 00-0016 CSF 1/32" Neoprene Elastomeric Waterproofing With Nylon.....	128.25	18.97
For Joint Taping, Add	10.78	
For Each Additional Ply, Add	91.68	
For Application To Horizontal Surfaces, Deduct	-2.85	
07 13 53 00-0017 CSF 1/16" Neoprene Elastomeric Waterproofing With Nylon.....	194.58	18.97
For Joint Taping, Add	14.10	
For Each Additional Ply, Add	138.11	
For Application To Horizontal Surfaces, Deduct	-2.85	
07 13 53 00-0018 Plastic Vapor Barrier (Polyethylene) (07 13 53)		
07 13 53 00-0019 CSF 4 Mil Polyethylene Vapor Barrier.....	19.39	7.13
For Joint Taping, Add	4.60	
For Each Additional Ply, Add	15.15	
For Application To Horizontal Surfaces, Deduct	-2.37	
07 13 53 00-0020 CSF 6 Mil Polyethylene Vapor Barrier.....	21.05	7.13
For Joint Taping, Add	4.68	
For Each Additional Ply, Add	16.31	
For Application To Horizontal Surfaces, Deduct	-2.37	
07 13 53 00-0021 CSF 10 Mil Polyethylene Vapor Barrier.....	33.16	7.13
For Joint Taping, Add	5.29	
For Each Additional Ply, Add	24.79	
For Application To Horizontal Surfaces, Deduct	-2.37	
07 13 53 00-0022 CSF 60 Mil Polyethylene Vapor Barrier With Bentonite.....	89.98	7.13
Note: Includes seam tape, liquid mastic, anchors and termination bar.		
For Each Additional Ply, Add	64.74	
For Application To Horizontal Surfaces, Deduct	-2.63	
07 13 53 00-0023 Plastic Vapor Barrier (PVC) (07 13 53)		
07 13 53 00-0024 CSF 10 Mil Polyvinyl Chloride (PVC) Vapor Barrier.....	31.10	7.89
For Joint Taping, Add	5.18	
For Each Additional Ply, Add	23.35	
For Application To Horizontal Surfaces, Deduct	-2.37	
07 13 53 00-0025 CSF 20 Mil Polyvinyl Chloride (PVC) Vapor Barrier.....	42.83	8.18
For Joint Taping, Add	5.91	
For Each Additional Ply, Add	31.62	
For Application To Horizontal Surfaces, Deduct	-2.46	
07 13 53 00-0026 CSF 30 Mil Polyvinyl Chloride (PVC) Vapor Barrier.....	58.72	8.47
For Joint Taping, Add	6.83	
For Each Additional Ply, Add	42.80	
For Application To Horizontal Surfaces, Deduct	-2.54	
07 13 53 00-0027 Vinyl Plastic Vapor Barrier (07 13 53)		
07 13 53 00-0028 CSF Tu-Tuf 4, 4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints.....	24.34	7.30
07 14 Fluid-Applied Waterproofing (07 10)		
07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing (07 14)		
07 14 13 00-0001 Hot Applied Rubberized Asphalt Waterproofing Coating (07 14 13)		
07 14 13 00-0002 SF 90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface.....	1.60	0.54
Note: Includes primer.		
For Floor Surfaces, Deduct	-0.24	
For Reinforcing Fabric, Add	0.26	
07 14 13 00-0003 SF 125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface.....	1.40	
Note: Includes primer.		
For Floor Surfaces, Deduct	-0.17	
For Application To Horizontal Surfaces, Deduct	-0.11	
For Reinforcing Fabric, Add	0.26	
07 16 Cementitious And Reactive Waterproofing (07 10)		
07 16 13 Polymer Modified Cement Waterproofing (07 16)		
07 16 13 00-0001 SF Polymer Modified Cementitious Waterproofing Assembly, 2 Coats.....	2.85	
Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.		

07 Thermal And Moisture Protection**07 10 Dampproofing And Waterproofing****07 16 Cementitious And Reactive Waterproofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**07 16 16 Crystalline Waterproofing (07 16)**

07 16 16 00-0001 SF Crystalline Cementitious Waterproofing, 2 Coats (Xypex Concentrate).....3.54

07 16 19 Metal Oxide Waterproofing (07 16)**07 16 19 00-0001 Metallic Oxide Waterproofing (07 16 19)**

Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors.

07 16 19 00-0002 CSF Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller).....299.18
For Application To Horizontal Surfaces, Deduct -38.61**07 17 Bentonite Waterproofing (07 10)****07 17 13 Bentonite Panel Waterproofing (07 17)**

07 17 13 00-0001	CSF	3/16" Bentonite Waterproofing Panels	287.43	62.29
		<i>For Application To Horizontal Surfaces, Deduct</i>	-18.69	
07 17 13 00-0002	CSF	1/4" Bentonite Waterproofing Panels	248.64	65.81
		<i>For Application To Horizontal Surfaces, Deduct</i>	-20.23	
07 17 13 00-0003	CSF	5/8" Bentonite Waterproofing Panels	375.04	68.63
		<i>For Application To Horizontal Surfaces, Deduct</i>	-20.59	
07 17 13 00-0004	CSF	3/8" Granular Bentonite, Troweled	300.21	57.09
		<i>For Application To Horizontal Surfaces, Deduct</i>	-17.12	

07 19 Water Repellents (07 10)**07 19 13 Acrylic Sealer (07 19)**

Note: Per coat.

07 19 13 00-0001	SF	Acrylic Sealer, Spray On Concrete	1.21	
07 19 13 00-0002	SF	Acrylic Sealer, Spray On Concrete Block/Brick	1.44	
07 19 13 00-0003	SF	Acrylic Sealer, Spray On Stone	1.58	

07 19 16 Silane Water Repellents (07 19)**07 19 16 00-0001 Silane Concrete Sealer (07 19 16)**

07 19 16 00-0002	SF	Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.36	
07 19 16 00-0003	SF	Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.54	

07 19 16 00-0004 Silane/Siloxane Concrete Sealer (07 19 16)

07 19 16 00-0005	SF	Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)	0.67	
		Note: 40% silane, alcohol based.		
07 19 16 00-0006	SF	Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)	0.99	
		Note: 40% silane, alcohol based.		
07 19 16 00-0007	SF	Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.26	
		Note: 200 SF/GAL		
07 19 16 00-0008	SF	Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.39	

07 20 Thermal Protection (07)**07 21 Thermal Insulation (07 20)****07 21 13 Board Insulation (07 21)**

Note: Types are stock sizes, mastic applied. See CSI section 07 22 16 00-0001 for rigid insulation for roofs.

07 21 13 13 Foam Board Insulation (07 21 13)**07 21 13 13-0001 Foam Glass (Cellular Glass), Foam Board Insulation (07 21 13 13)**

07 21 13 13-0002	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation	2.18	0.20
		<i>For Horizontal Surface Application, Deduct</i>	-0.03	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.00	
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.15	
07 21 13 13-0003	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation	3.08	0.20
		<i>For Horizontal Surface Application, Deduct</i>	-0.03	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.02	
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0004 SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation.....	3.68	0.20
<i>For Horizontal Surface Application, Deduct</i>	-0.03	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.02	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.16	
07 21 13 13-0005 SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation	4.88	0.21
<i>For Horizontal Surface Application, Deduct</i>	-0.04	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.07	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.23	
07 21 13 13-0006 Expanded Polystyrene, Foam Board Insulation <small>(07 21 13 13)</small>		
07 21 13 13-0007 SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	0.91	0.20
<i>For Horizontal Surface Application, Deduct</i>	-0.03	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.00	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.15	
07 21 13 13-0008 SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	0.96	0.20
<i>For Horizontal Surface Application, Deduct</i>	-0.03	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.00	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.15	
07 21 13 13-0009 SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.11	0.20
<i>For Horizontal Surface Application, Deduct</i>	-0.03	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.00	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.15	
07 21 13 13-0010 SF 1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.25	0.20
<i>For Horizontal Surface Application, Deduct</i>	-0.03	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.00	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.15	
07 21 13 13-0011 SF 2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.84	0.20
<i>For Horizontal Surface Application, Deduct</i>	-0.03	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.02	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.16	
07 21 13 13-0012 SF 3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	2.42	0.21
<i>For Horizontal Surface Application, Deduct</i>	-0.04	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.07	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.23	
07 21 13 13-0013 SF 4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	3.00	0.22
<i>For Horizontal Surface Application, Deduct</i>	-0.04	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.27	
07 21 13 13-0014 SF 5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	3.59	0.22
<i>For Horizontal Surface Application, Deduct</i>	-0.04	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.19	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.32	
07 21 13 13-0015 SF 6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	4.17	0.23
<i>For Horizontal Surface Application, Deduct</i>	-0.04	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
<i>For Mechanically Fastened To Concrete, Add</i>	0.41	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.41	
07 21 13 13-0016 Extruded Polystyrene, Foam Board Insulation <small>(07 21 13 13)</small>		
Note: 15 PSI compressive strength.		
07 21 13 13-0017 SF 3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation	1.04	0.20
<i>For Horizontal Surface Application, Deduct</i>	-0.03	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.00	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.15	
<i>For 25 PSI Compressive Strength, Add</i>	0.11	
<i>For 40 PSI Compressive Strength, Add</i>	0.27	
<i>For 60 PSI Compressive Strength, Add</i>	0.43	
<i>For 115 PSI Compressive Strength, Add</i>	1.86	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0018	SF		1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation.....	1.23	0.20
			<i>For Horizontal Surface Application, Deduct</i>	-0.03	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.00	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.15	
			<i>For 25 PSI Compressive Strength, Add</i>	0.14	
			<i>For 40 PSI Compressive Strength, Add</i>	0.34	
			<i>For 60 PSI Compressive Strength, Add</i>	0.54	
			<i>For 115 PSI Compressive Strength, Add</i>	2.35	
07 21 13 13-0019	SF		3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation.....	1.38	0.20
			<i>For Horizontal Surface Application, Deduct</i>	-0.03	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.00	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.15	
			<i>For 25 PSI Compressive Strength, Add</i>	0.17	
			<i>For 40 PSI Compressive Strength, Add</i>	0.40	
			<i>For 60 PSI Compressive Strength, Add</i>	0.63	
			<i>For 115 PSI Compressive Strength, Add</i>	2.73	
07 21 13 13-0020	SF		1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation.....	1.46	0.20
			<i>For Horizontal Surface Application, Deduct</i>	-0.03	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.00	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.15	
			<i>For 25 PSI Compressive Strength, Add</i>	0.18	
			<i>For 40 PSI Compressive Strength, Add</i>	0.43	
			<i>For 60 PSI Compressive Strength, Add</i>	0.67	
			<i>For 115 PSI Compressive Strength, Add</i>	2.94	
07 21 13 13-0021	SF		2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation.....	2.25	0.20
			<i>For Horizontal Surface Application, Deduct</i>	-0.03	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.02	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.16	
			<i>For 25 PSI Compressive Strength, Add</i>	0.31	
			<i>For 40 PSI Compressive Strength, Add</i>	0.73	
			<i>For 60 PSI Compressive Strength, Add</i>	1.12	
			<i>For 115 PSI Compressive Strength, Add</i>	4.94	
07 21 13 13-0022	SF		3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation.....	3.05	0.21
			<i>For Horizontal Surface Application, Deduct</i>	-0.04	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.07	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.23	
			<i>For 25 PSI Compressive Strength, Add</i>	0.43	
			<i>For 40 PSI Compressive Strength, Add</i>	1.03	
			<i>For 60 PSI Compressive Strength, Add</i>	1.58	
			<i>For 115 PSI Compressive Strength, Add</i>	6.97	
07 21 13 13-0023	SF		4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation.....	3.45	0.22
			<i>For Horizontal Surface Application, Deduct</i>	-0.04	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.27	
			<i>For 25 PSI Compressive Strength, Add</i>	0.49	
			<i>For 40 PSI Compressive Strength, Add</i>	1.17	
			<i>For 60 PSI Compressive Strength, Add</i>	1.81	
			<i>For 115 PSI Compressive Strength, Add</i>	7.98	
07 21 13 16			Fibrous Board Insulation <small>(07 21 13)</small>		
07 21 13 16-0001			Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation <small>(07 21 13 16)</small>		
07 21 13 16-0002	SF		1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation	1.36	0.25
			<i>For Horizontal Surface Application, Deduct</i>	-0.04	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.03	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.18	
07 21 13 16-0003	SF		2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation	2.02	0.30
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.22	
07 21 13 16-0004	SF		3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation	2.69	0.35
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.14	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0005 Fiberglass, Fibrous Board Insulation (07 21 13 16)		
07 21 13 16-0006 SF 1" Thick, R4.2, Fiberglass, Fibrous Board Insulation	2.52	0.20
For Horizontal Surface Application, Deduct	-0.03	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
For Mechanically Fastened To Concrete, Add	0.00	
For Mechanically Fastened To Gypsum, Add	0.15	
07 21 13 16-0007 SF 1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation	2.83	0.20
For Horizontal Surface Application, Deduct	-0.03	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.09	
For Mechanically Fastened To Concrete, Add	0.02	
For Mechanically Fastened To Gypsum, Add	0.15	
07 21 13 16-0008 SF 2" Thick, R8.0, Fiberglass, Fibrous Board Insulation	3.50	0.21
For Horizontal Surface Application, Deduct	-0.03	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.09	
For Mechanically Fastened To Concrete, Add	0.02	
For Mechanically Fastened To Gypsum, Add	0.16	
07 21 13 16-0009 SF 2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation	4.05	0.21
For Horizontal Surface Application, Deduct	-0.03	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.06	
For Mechanically Fastened To Gypsum, Add	0.19	
07 21 13 16-0010 SF 3" Thick, R12.4, Fiberglass, Fibrous Board Insulation	4.15	0.21
For Horizontal Surface Application, Deduct	-0.04	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.07	
For Mechanically Fastened To Gypsum, Add	0.23	
07 21 13 19 Mineral Board Insulation (07 21 13)		
07 21 13 19-0001 High-Density Fiberboard, Mineral Board Insulation (07 21 13 19)		
07 21 13 19-0002 SF 1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation	1.02	0.23
For Horizontal Surface Application, Deduct	-0.04	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
For Mechanically Fastened To Concrete, Add	0.02	
For Mechanically Fastened To Gypsum, Add	0.17	
07 21 13 19-0003 SF 25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation	1.22	0.24
For Horizontal Surface Application, Deduct	-0.04	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
For Mechanically Fastened To Concrete, Add	0.02	
For Mechanically Fastened To Gypsum, Add	0.17	
07 21 13 19-0004 SF 1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation	1.43	0.25
For Horizontal Surface Application, Deduct	-0.04	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
For Mechanically Fastened To Concrete, Add	0.03	
For Mechanically Fastened To Gypsum, Add	0.18	
07 21 13 19-0005 SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation	1.80	0.28
For Horizontal Surface Application, Deduct	-0.05	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.09	
For Mechanically Fastened To Concrete, Add	0.06	
For Mechanically Fastened To Gypsum, Add	0.19	
07 21 13 19-0006 SF 2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation	2.16	0.30
For Horizontal Surface Application, Deduct	-0.05	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.09	
For Mechanically Fastened To Concrete, Add	0.08	
For Mechanically Fastened To Gypsum, Add	0.22	
07 21 13 19-0007 SF 3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation	0.93	0.35
For Horizontal Surface Application, Deduct	-0.06	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.14	
For Mechanically Fastened To Gypsum, Add	0.30	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
07 21 16 Blanket Insulation (07 21)

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

07 21 16 00-0001	Fiberglass Flexible Insulation (07 21 16)		
	Note: Rolls or batts.		
07 21 16 00-0002	Kraft Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0003	SF 3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation.....	0.83	0.23
	For >1,600, Deduct	-0.08	
07 21 16 00-0004	SF 3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation.....	0.90	0.23
	For >1,600, Deduct	-0.09	
07 21 16 00-0005	SF 3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation.....	0.93	0.23
	For >1,600, Deduct	-0.09	
07 21 16 00-0006	SF 5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation.....	1.25	0.23
	For >1,600, Deduct	-0.14	
07 21 16 00-0007	SF 6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation.....	1.01	0.23
	For >1,600, Deduct	-0.11	
07 21 16 00-0008	SF 9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation.....	1.59	0.29
	For >1,600, Deduct	-0.17	
07 21 16 00-0009	SF 12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation.....	1.70	0.29
	For >1,600, Deduct	-0.19	
07 21 16 00-0010	Unfaced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0011	SF 3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation.....	0.78	0.23
	For >1,600, Deduct	-0.07	
07 21 16 00-0012	SF 3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation.....	0.87	0.23
	For >1,600, Deduct	-0.08	
07 21 16 00-0013	SF 3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation.....	1.19	0.23
	For >1,600, Deduct	-0.13	
07 21 16 00-0014	SF 5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation.....	1.20	0.23
	For >1,600, Deduct	-0.13	
07 21 16 00-0015	SF 6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation.....	0.98	0.23
	For >1,600, Deduct	-0.10	
07 21 16 00-0016	SF 9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation.....	1.49	0.29
	For >1,600, Deduct	-0.16	
07 21 16 00-0017	SF 12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation.....	1.64	0.29
	For >1,600, Deduct	-0.18	
07 21 16 00-0018	Foil Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0019	SF 3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation.....	0.96	0.23
	For >1,600, Deduct	-0.10	
07 21 16 00-0020	SF 3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation.....	1.09	0.23
	For >1,600, Deduct	-0.12	
07 21 16 00-0021	SF 6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation.....	1.19	0.23
	For >1,600, Deduct	-0.13	
07 21 16 00-0022	SF 10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation.....	1.79	0.29
	For >1,600, Deduct	-0.20	
07 21 16 00-0023	SF 12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation.....	1.94	0.29
	For >1,600, Deduct	-0.22	
07 21 16 00-0024	Poly-Encapsulated, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0025	SF 3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation.....	0.85	0.23
	For >1,600, Deduct	-0.08	
07 21 16 00-0026	SF 3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation.....	0.93	0.23
	For >1,600, Deduct	-0.09	
07 21 16 00-0027	SF 5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation.....	1.30	0.23
	For >1,600, Deduct	-0.15	
07 21 16 00-0028	SF 6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation.....	1.03	0.23
	For >1,600, Deduct	-0.11	
07 21 16 00-0029	SF 8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation.....	1.59	0.29
	For >1,600, Deduct	-0.17	
07 21 16 00-0030	SF 10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation.....	1.64	0.29
	For >1,600, Deduct	-0.18	
07 21 16 00-0031	Mineral Wool Flexible Insulation (07 21 16)		
07 21 16 00-0032	Kraft Faced, Mineral Wool Flexible Insulation (07 21 16 00-0031)		
07 21 16 00-0033	SF 3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation.....	0.94	0.23
	For >1,600, Deduct	-0.10	
07 21 16 00-0034	SF 6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation.....	1.27	0.23
	For >1,600, Deduct	-0.14	
07 21 16 00-0035	SF 9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation.....	2.08	0.23
	For >1,600, Deduct	-0.25	
07 21 16 00-0036	SF 12" Kraft Faced, R-38 Mineral Wool Flexible Insulation.....	2.38	0.23
	For >1,600, Deduct	-0.30	
07 21 16 00-0037	Unfaced, Mineral Wool Flexible Insulation (07 21 16 00-0031)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0038 SF 3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	0.87 -0.08	0.23
07 21 16 00-0039 SF 6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	1.15 -0.12	0.23
07 21 16 00-0040 SF 9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	1.86 -0.22	0.23
07 21 16 00-0041 SF 12" Unfaced, R-38 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	2.12 -0.26	0.23
07 21 16 00-0042 Natural Cotton Insulation (07 21 16)		
07 21 16 00-0043 UltraTouch Natural Cotton Insulation (07 21 16 00-0042) Note: 85% recycled denim cotton.		
07 21 16 00-0044 SF 3-1/2", R-13 UltraTouch Natural Cotton Insulation..... <i>For >1,600, Deduct</i>	1.33 -0.15	0.23
07 21 16 00-0045 SF 5-1/2", R-19 UltraTouch Natural Cotton Insulation..... <i>For >1,600, Deduct</i>	1.51 -0.18	0.23
07 21 16 00-0046 SF 5-1/2", R-21 UltraTouch Natural Cotton Insulation..... <i>For >1,600, Deduct</i>	1.69 -0.20	0.23
07 21 16 00-0047 SF 8", R-30 UltraTouch Natural Cotton Insulation..... <i>For >1,600, Deduct</i>	2.32 -0.29	0.23
07 21 23 Loose-Fill Insulation (07 21)		
07 21 23 00-0001 Poured Type, Loose Fill Insulation (07 21 23)		
07 21 23 00-0002 CF R-3.5/Inch, Poured Type, Fiberglass Loose Fill Insulation.....	3.64	1.36
07 21 23 00-0003 CF R-3.7/Inch, Poured Type, Cellulose Loose Fill Insulation	3.96	1.36
07 21 23 00-0004 Concrete Block Wall Cavity Insulation (07 21 23)		
07 21 23 00-0005 CF R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation.....	5.37	1.36
07 21 23 00-0006 CF R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation.....	5.31	1.36
07 21 26 Blown Insulation (07 21)		
07 21 26 00-0001 Fiberglass Blown-In Insulation (07 21 26)		
07 21 26 00-0002 Attic, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
07 21 26 00-0003 SF 3-3/4" Thick, R-13 Attic, Fiberglass Blown In Insulation.....	0.87	0.64
07 21 26 00-0004 SF 6-1/4" Thick, R-19 Attic, Fiberglass Blown In Insulation.....	1.11	0.77
07 21 26 00-0005 SF 7-1/4" Thick, R-22 Attic, Fiberglass Blown In Insulation.....	1.23	0.83
07 21 26 00-0006 SF 10-1/4" Thick, R-30 Attic, Fiberglass Blown In Insulation.....	1.45	0.90
07 21 26 00-0007 SF 12-3/4" Thick, R-38 Attic, Fiberglass Blown In Insulation.....	1.67	0.97
07 21 26 00-0008 SF 13-1/2" Thick, R-40 Attic, Fiberglass Blown In Insulation.....	1.81	1.03
07 21 26 00-0009 SF 14-3/4" Thick, R-44 Attic, Fiberglass Blown In Insulation.....	1.86	1.03
07 21 26 00-0010 SF 16-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation.....	1.96	1.03
07 21 26 00-0011 SF 19" Thick, R-56 Attic, Fiberglass Blown In Insulation.....	2.18	1.03
07 21 26 00-0012 SF 21" Thick, R-60 Attic, Fiberglass Blown In Insulation.....	2.19	1.03
07 21 26 00-0013 New Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
07 21 26 00-0014 SF 3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation	1.27	0.64
07 21 26 00-0015 SF 5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation	1.71	0.77
07 21 26 00-0016 SF 7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation	2.04	0.83
07 21 26 00-0017 SF 9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation	2.45	0.90
07 21 26 00-0018 Existing Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001) Note: Includes drilling. Excludes patching.		
07 21 26 00-0019 SF 3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation	1.20	0.64
07 21 26 00-0020 SF 5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation	1.64	0.77
07 21 26 00-0021 SF 7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation	1.97	0.83
07 21 26 00-0022 SF 9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation	2.38	0.90
07 21 26 00-0023 Cellulose Blown-In Insulation (07 21 26)		
07 21 26 00-0024 Attic, Cellulose Blown-In Insulation (07 21 26 00-0023)		
07 21 26 00-0025 SF 3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation	0.88	0.64
07 21 26 00-0026 SF 5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation	1.08	0.71
07 21 26 00-0027 SF 6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation	1.21	0.77
07 21 26 00-0028 SF 7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation	1.42	0.83
07 21 26 00-0029 SF 8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation	1.45	0.83
07 21 26 00-0030 SF 10-1/2" Thick, R-38 Attic, Cellulose Blown In Insulation	1.71	0.90
07 21 26 00-0031 SF 11" Thick, R-40 Attic, Cellulose Blown In Insulation.....	1.77	0.90
07 21 26 00-0032 SF 13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation	2.08	0.97
07 21 26 00-0033 SF 16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation	2.38	1.03

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 26 00-0034			New Wall, Cellulose Blown-In Insulation (07 21 26 00-0023)		
07 21 26 00-0035	SF		3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation	1.23	0.64
07 21 26 00-0036	SF		5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation	1.66	0.77
07 21 26 00-0037	SF		7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation	1.97	0.83
07 21 26 00-0038	SF		9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation	2.35	0.90
07 21 26 00-0039			Existing Wall, Cellulose Blown-In Insulation (07 21 26 00-0023)		
			Note: Includes drilling. Excludes patching.		
07 21 26 00-0040	SF		3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation	1.16	0.64
07 21 26 00-0041	SF		5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation	1.59	0.77
07 21 26 00-0042	SF		7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation	1.90	0.83
07 21 26 00-0043	SF		9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation	2.28	0.90
07 21 53			Reflective Insulation (07 21)		
07 21 53 00-0001			Reflective Barrier Insulation (Foil - Single Bubble - Foil) (07 21 53)		
07 21 53 00-0002	SF		3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space	0.58	
07 22			Roof And Deck Insulation (07 20)		
07 22 16			Roof Board Insulation (07 22)		
			Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.		
07 22 16 00-0001			Rigid Board Roofing Insulation (07 22 16)		
07 22 16 00-0002			High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0003	SF		1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation	1.22	
			For Hot-Mopped, Deduct	-0.17	
			For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
			For Mechanically Fastened To Concrete, Add	0.08	
			For Mechanically Fastened To Gypsum, Add	0.23	
07 22 16 00-0004	SF		25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation	1.43	
			For Hot-Mopped, Deduct	-0.17	
			For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
			For Mechanically Fastened To Concrete, Add	0.09	
			For Mechanically Fastened To Gypsum, Add	0.24	
07 22 16 00-0005	SF		1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation	1.66	
			For Hot-Mopped, Deduct	-0.17	
			For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
			For Mechanically Fastened To Concrete, Add	0.10	
			For Mechanically Fastened To Gypsum, Add	0.25	
07 22 16 00-0006	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation	2.05	
			For Hot-Mopped, Deduct	-0.16	
			For Mechanically Fastened To Wood Or Steel, Deduct	-0.09	
			For Mechanically Fastened To Concrete, Add	0.14	
			For Mechanically Fastened To Gypsum, Add	0.27	
07 22 16 00-0007	SF		2" Thick, R5, High-Density Fiberboard, Roof Board Insulation	2.44	
			For Hot-Mopped, Deduct	-0.15	
			For Mechanically Fastened To Wood Or Steel, Deduct	-0.09	
			For Mechanically Fastened To Concrete, Add	0.17	
			For Mechanically Fastened To Gypsum, Add	0.31	
07 22 16 00-0008			Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0009	SF		1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation.....	1.30	
			For Hot-Mopped, Deduct	-0.17	
			For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
			For Mechanically Fastened To Concrete, Add	0.10	
			For Mechanically Fastened To Gypsum, Add	0.25	
07 22 16 00-0010	SF		1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation.....	1.59	
			For Hot-Mopped, Deduct	-0.17	
			For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
			For Mechanically Fastened To Concrete, Add	0.10	
			For Mechanically Fastened To Gypsum, Add	0.25	
07 22 16 00-0011			Perlite, Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0012	SF		1/2" Thick, R1.32, Perlite, Roof Board Insulation	1.20	
			For Hot-Mopped, Deduct	-0.18	
			For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
			For Mechanically Fastened To Concrete, Add	0.06	
			For Mechanically Fastened To Gypsum, Add	0.21	
07 22 16 00-0013	SF		3/4" Thick, R2.08, Perlite, Roof Board Insulation	1.33	
			For Hot-Mopped, Deduct	-0.18	
			For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
			For Mechanically Fastened To Concrete, Add	0.06	
			For Mechanically Fastened To Gypsum, Add	0.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0014 SF 1" Thick, R2.78, Perlite, Roof Board Insulation.....	1.49	
<i>For Hot-Mopped, Deduct</i>	-0.18	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.06	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
07 22 16 00-0015 SF 1-1/2" Thick, R4.17, Perlite, Roof Board Insulation.....	1.88	
<i>For Hot-Mopped, Deduct</i>	-0.18	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
07 22 16 00-0016 SF 2" Thick, R5.56, Perlite, Roof Board Insulation.....	2.13	
<i>For Hot-Mopped, Deduct</i>	-0.18	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.22	
07 22 16 00-0017 Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0018 SF 1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation	1.71	
<i>For Hot-Mopped, Deduct</i>	-0.18	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.06	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
07 22 16 00-0019 SF 2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation	2.33	
<i>For Hot-Mopped, Deduct</i>	-0.18	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.22	
07 22 16 00-0020 SF 3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation	3.06	
<i>For Hot-Mopped, Deduct</i>	-0.18	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.29	
07 22 16 00-0021 Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0022 SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation	3.26	
<i>For Hot-Mopped, Deduct</i>	-0.18	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
07 22 16 00-0023 SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation	3.87	
<i>For Hot-Mopped, Deduct</i>	-0.18	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.22	
07 22 16 00-0024 SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation	5.07	
<i>For Hot-Mopped, Deduct</i>	-0.18	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.29	
07 22 16 00-0025 SF 3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation	6.28	
<i>For Hot-Mopped, Deduct</i>	-0.18	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.19	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.30	
07 22 16 00-0026 Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0027 SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.13	
<i>For Loose-Laid, Deduct</i>	-0.61	
<i>For Hot-Mopped, Deduct</i>	-0.18	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.07	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.22	
07 22 16 00-0028 SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.18	
<i>For Loose-Laid, Deduct</i>	-0.61	
<i>For Hot-Mopped, Deduct</i>	-0.18	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.07	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.22	
07 22 16 00-0029 SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.33	
<i>For Loose-Laid, Deduct</i>	-0.61	
<i>For Hot-Mopped, Deduct</i>	-0.18	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.07	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.22	
07 22 16 00-0030 SF 1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.48	
<i>For Loose-Laid, Deduct</i>	-0.61	
<i>For Hot-Mopped, Deduct</i>	-0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.07	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.22	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0031	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	2.07	
			<i>For Loose-Laid, Deduct</i>	-0.62	
			<i>For Hot-Mopped, Deduct</i>	-0.17	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.10	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.24	
07 22 16 00-0032	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	2.65	
			<i>For Loose-Laid, Deduct</i>	-0.62	
			<i>For Hot-Mopped, Deduct</i>	-0.17	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.14	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.30	
07 22 16 00-0033	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	3.25	
			<i>For Loose-Laid, Deduct</i>	-0.64	
			<i>For Hot-Mopped, Deduct</i>	-0.17	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.21	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.35	
07 22 16 00-0034	SF		5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	3.84	
			<i>For Loose-Laid, Deduct</i>	-0.64	
			<i>For Hot-Mopped, Deduct</i>	-0.17	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.27	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.40	
07 22 16 00-0035	SF		6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	4.43	
			<i>For Loose-Laid, Deduct</i>	-0.65	
			<i>For Hot-Mopped, Deduct</i>	-0.17	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.49	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.49	
07 22 16 00-0036			Extruded Polystyrene, Roof Board Insulation <small>(07 22 16 00-0001)</small>		
			Note: 15 PSI compressive strength.		
07 22 16 00-0037	SF		3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation	1.56	
			<i>For Loose-Laid, Deduct</i>	-0.59	
			<i>For Hot-Mopped, Deduct</i>	-0.18	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.06	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
			<i>For 25 PSI Compressive Strength, Add</i>	0.17	
			<i>For 40 PSI Compressive Strength, Add</i>	0.40	
			<i>For 60 PSI Compressive Strength, Add</i>	0.63	
			<i>For 115 PSI Compressive Strength, Add</i>	2.75	
07 22 16 00-0038	SF		1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation	1.65	
			<i>For Loose-Laid, Deduct</i>	-0.59	
			<i>For Hot-Mopped, Deduct</i>	-0.18	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.06	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
			<i>For 25 PSI Compressive Strength, Add</i>	0.18	
			<i>For 40 PSI Compressive Strength, Add</i>	0.43	
			<i>For 60 PSI Compressive Strength, Add</i>	0.68	
			<i>For 115 PSI Compressive Strength, Add</i>	2.96	
07 22 16 00-0039	SF		1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation	2.04	
			<i>For Loose-Laid, Deduct</i>	-0.59	
			<i>For Hot-Mopped, Deduct</i>	-0.18	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
			<i>For 25 PSI Compressive Strength, Add</i>	0.24	
			<i>For 40 PSI Compressive Strength, Add</i>	0.58	
			<i>For 60 PSI Compressive Strength, Add</i>	0.91	
			<i>For 100 PSI Compressive Strength, Add</i>	1.17	
			<i>For 115 PSI Compressive Strength, Add</i>	3.96	
07 22 16 00-0040	SF		2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation	2.44	
			<i>For Loose-Laid, Deduct</i>	-0.60	
			<i>For Hot-Mopped, Deduct</i>	-0.18	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.22	
			<i>For 25 PSI Compressive Strength, Add</i>	0.31	
			<i>For 40 PSI Compressive Strength, Add</i>	0.73	
			<i>For 60 PSI Compressive Strength, Add</i>	1.13	
			<i>For 115 PSI Compressive Strength, Add</i>	4.96	
07 22 16 00-0041	SF		2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation	2.84	
			<i>For Loose-Laid, Deduct</i>	-0.60	
			<i>For Hot-Mopped, Deduct</i>	-0.18	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.12	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.25	
			<i>For 25 PSI Compressive Strength, Add</i>	0.37	
			<i>For 40 PSI Compressive Strength, Add</i>	0.88	
			<i>For 60 PSI Compressive Strength, Add</i>	1.37	
			<i>For 100 PSI Compressive Strength, Add</i>	1.76	
			<i>For 115 PSI Compressive Strength, Add</i>	5.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0042 SF 3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation	3.24	
<i>For Loose-Laid, Deduct</i>	-0.60	
<i>For Hot-Mopped, Deduct</i>	-0.18	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.29	
<i>For 25 PSI Compressive Strength, Add</i>	0.43	
<i>For 40 PSI Compressive Strength, Add</i>	1.03	
<i>For 60 PSI Compressive Strength, Add</i>	1.59	
<i>For 115 PSI Compressive Strength, Add</i>	6.99	
07 22 16 00-0043 SF 4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation	3.65	
<i>For Loose-Laid, Deduct</i>	-0.61	
<i>For Hot-Mopped, Deduct</i>	-0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.19	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.33	
<i>For 25 PSI Compressive Strength, Add</i>	0.49	
<i>For 40 PSI Compressive Strength, Add</i>	1.17	
<i>For 60 PSI Compressive Strength, Add</i>	1.82	
<i>For 115 PSI Compressive Strength, Add</i>	8.00	
07 22 16 00-0044 Polyisocyanurate Board Roofing Insulation (07 22 16 00-0001)		
07 22 16 00-0045 SF 3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation	1.39	
<i>For Loose-Laid, Deduct</i>	-0.59	
<i>For Hot-Mopped, Deduct</i>	-0.18	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.06	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.09	
07 22 16 00-0046 SF 1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation	1.45	
<i>For Loose-Laid, Deduct</i>	-0.59	
<i>For Hot-Mopped, Deduct</i>	-0.18	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.06	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.09	
07 22 16 00-0047 SF 1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation	1.53	
<i>For Loose-Laid, Deduct</i>	-0.59	
<i>For Hot-Mopped, Deduct</i>	-0.18	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.10	
07 22 16 00-0048 SF 2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation	1.77	
<i>For Loose-Laid, Deduct</i>	-0.60	
<i>For Hot-Mopped, Deduct</i>	-0.18	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.22	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.12	
07 22 16 00-0049 SF 2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation	2.00	
<i>For Loose-Laid, Deduct</i>	-0.60	
<i>For Hot-Mopped, Deduct</i>	-0.18	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.26	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.15	
07 22 16 00-0050 SF 3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation	2.22	
<i>For Loose-Laid, Deduct</i>	-0.60	
<i>For Hot-Mopped, Deduct</i>	-0.18	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.29	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.17	
07 22 16 00-0051 SF 3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation	2.47	
<i>For Loose-Laid, Deduct</i>	-0.61	
<i>For Hot-Mopped, Deduct</i>	-0.18	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.19	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.30	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.19	
07 22 16 00-0052 SF 4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation	2.69	
<i>For Loose-Laid, Deduct</i>	-0.61	
<i>For Hot-Mopped, Deduct</i>	-0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.19	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.33	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.21	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0053 High-Density Polyisocyanurate Cover Board And Roofing Insulation (07 22 16 00-0001)		
07 22 16 00-0054 SF 1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation	1.58	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
For Mechanically Fastened To Concrete, Add	0.08	
For Mechanically Fastened To Gypsum, Add	0.23	
07 22 16 00-0055 Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0001)		
07 22 16 00-0056 SF 1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum)	1.49	
For Hot-Mopped, Deduct	-0.17	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
For Mechanically Fastened To Concrete, Add	0.08	
For Mechanically Fastened To Gypsum, Add	0.23	
07 22 16 00-0057 SF 3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum)	1.58	
For Hot-Mopped, Deduct	-0.17	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
For Mechanically Fastened To Concrete, Add	0.08	
For Mechanically Fastened To Gypsum, Add	0.23	
07 22 16 00-0058 SF 1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum)	1.65	
For Hot-Mopped, Deduct	-0.17	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
For Mechanically Fastened To Concrete, Add	0.08	
For Mechanically Fastened To Gypsum, Add	0.23	
07 22 16 00-0059 SF 5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum)	1.68	
For Hot-Mopped, Deduct	-0.17	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
For Mechanically Fastened To Concrete, Add	0.08	
For Mechanically Fastened To Gypsum, Add	0.23	
07 22 16 00-0060 Glass-Mat, Roof Board Insulation (USG Securock) (07 22 16 00-0001)		
07 22 16 00-0061 SF 1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat)	1.46	
For Hot-Mopped, Deduct	-0.17	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
For Mechanically Fastened To Concrete, Add	0.08	
For Mechanically Fastened To Gypsum, Add	0.23	
07 22 16 00-0062 SF 1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat)	1.60	
For Hot-Mopped, Deduct	-0.17	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
For Mechanically Fastened To Concrete, Add	0.08	
For Mechanically Fastened To Gypsum, Add	0.23	
07 22 16 00-0063 SF 5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat)	1.63	
For Hot-Mopped, Deduct	-0.17	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
For Mechanically Fastened To Concrete, Add	0.08	
For Mechanically Fastened To Gypsum, Add	0.23	
07 22 16 00-0064 Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation (07 22 16 00-0001)		
Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0065 SF 1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	2.56	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.09	
For Mechanically Fastened To Concrete, Add	0.16	
For Mechanically Fastened To Gypsum, Add	0.30	
07 22 16 00-0066 SF 2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	2.69	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.09	
For Mechanically Fastened To Concrete, Add	0.17	
For Mechanically Fastened To Gypsum, Add	0.31	
07 22 16 00-0067 SF 2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	2.87	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.21	
For Mechanically Fastened To Gypsum, Add	0.34	
07 22 16 00-0068 SF 3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	2.97	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.21	
For Mechanically Fastened To Gypsum, Add	0.37	
07 22 16 00-0069 SF 3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	3.24	
For Mechanically Fastened To Wood Or Steel, Deduct	0.01	
For Mechanically Fastened To Concrete, Add	0.28	
For Mechanically Fastened To Gypsum, Add	0.39	
07 22 16 00-0070 SF 4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	3.35	
For Mechanically Fastened To Wood Or Steel, Deduct	0.01	
For Mechanically Fastened To Concrete, Add	0.28	
For Mechanically Fastened To Gypsum, Add	0.42	
07 22 16 00-0071 SF 4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	3.53	
For Mechanically Fastened To Wood Or Steel, Add	0.07	
For Mechanically Fastened To Concrete, Add	0.36	
For Mechanically Fastened To Gypsum, Add	0.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0072 Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation <small>(07 22 16 00-0001)</small>		
<i>Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.</i>		
07 22 16 00-0073 SF 2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	2.58	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.20	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.33	
07 22 16 00-0074 SF 3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	2.82	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.21	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.37	
07 22 16 00-0075 SF 3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.09	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.27	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.38	
07 22 16 00-0076 SF 4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.27	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.27	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.41	
07 22 16 00-0077 SF 4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.51	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.34	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.47	
07 22 16 00-0078 SF 5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.76	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.34	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.47	
07 22 16 00-0079 SF 5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	4.21	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
<i>For Mechanically Fastened To Concrete, Add</i>	0.57	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.57	
07 22 16 00-0080 Rigid Board Tapered Roofing Insulation <small>(07 22 16)</small>		
<i>Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.</i>		
07 22 16 00-0081 Tapered Polyisocyanurate Board <small>(07 22 16 00-0080)</small>		
<i>Note: Includes polyurethane adhesive.</i>		
07 22 16 00-0082 1/8" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0081)</small>		
07 22 16 00-0083 SF 2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	2.49	
<i>For 25 PSI Compressive Strength, Add</i>	0.17	
<i>For Hot-Mopped, Deduct</i>	-0.15	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.15	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.47	
07 22 16 00-0084 SF 2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	3.42	
<i>For 25 PSI Compressive Strength, Add</i>	0.20	
<i>For Hot-Mopped, Deduct</i>	-0.30	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.30	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.79	
07 22 16 00-0085 SF 3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	3.72	
<i>For 25 PSI Compressive Strength, Add</i>	0.23	
<i>For Hot-Mopped, Deduct</i>	-0.30	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.30	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.82	
07 22 16 00-0086 SF 3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	4.03	
<i>For 25 PSI Compressive Strength, Add</i>	0.26	
<i>For Hot-Mopped, Deduct</i>	-0.30	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.36	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.83	
07 22 16 00-0087 SF 4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	4.33	
<i>For 25 PSI Compressive Strength, Add</i>	0.29	
<i>For Hot-Mopped, Deduct</i>	-0.30	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.36	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.86	
07 22 16 00-0088 SF 4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	5.26	
<i>For 25 PSI Compressive Strength, Add</i>	0.32	
<i>For Hot-Mopped, Deduct</i>	-0.45	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.58	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.22	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0089	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	5.57	
			<i>For 25 PSI Compressive Strength, Add</i>	0.35	
			<i>For Hot-Mopped, Deduct</i>	-0.45	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.58	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.22	
07 22 16 00-0090	SF		5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	5.87	
			<i>For 25 PSI Compressive Strength, Add</i>	0.38	
			<i>For Hot-Mopped, Deduct</i>	-0.45	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
07 22 16 00-0091	SF		6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	6.17	
			<i>For 25 PSI Compressive Strength, Add</i>	0.41	
			<i>For Hot-Mopped, Deduct</i>	-0.45	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
07 22 16 00-0092	SF		6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	7.10	
			<i>For 25 PSI Compressive Strength, Add</i>	0.44	
			<i>For Hot-Mopped, Deduct</i>	-0.59	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.34	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.77	
07 22 16 00-0093			1/4" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0081)</small>		
07 22 16 00-0094	SF		2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	2.34	
			<i>For 25 PSI Compressive Strength, Add</i>	0.16	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.15	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.47	
07 22 16 00-0095	SF		3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	3.57	
			<i>For 25 PSI Compressive Strength, Add</i>	0.22	
			<i>For Hot-Mopped, Deduct</i>	-0.30	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.30	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.79	
07 22 16 00-0096	SF		4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	4.18	
			<i>For 25 PSI Compressive Strength, Add</i>	0.28	
			<i>For Hot-Mopped, Deduct</i>	-0.30	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.36	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.83	
07 22 16 00-0097	SF		5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	5.41	
			<i>For 25 PSI Compressive Strength, Add</i>	0.34	
			<i>For Hot-Mopped, Deduct</i>	-0.45	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.58	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.22	
07 22 16 00-0098	SF		6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	6.02	
			<i>For 25 PSI Compressive Strength, Add</i>	0.40	
			<i>For Hot-Mopped, Deduct</i>	-0.45	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
07 22 16 00-0099	SF		7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	7.26	
			<i>For 25 PSI Compressive Strength, Add</i>	0.46	
			<i>For Hot-Mopped, Deduct</i>	-0.59	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.34	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.77	
07 22 16 00-0100			1/2" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0081)</small>		
07 22 16 00-0101	SF		3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	3.88	
			<i>For 25 PSI Compressive Strength, Add</i>	0.25	
			<i>For Hot-Mopped, Deduct</i>	-0.30	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.30	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.82	
07 22 16 00-0102	SF		5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	5.72	
			<i>For 25 PSI Compressive Strength, Add</i>	0.37	
			<i>For Hot-Mopped, Deduct</i>	-0.45	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.58	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.22	
07 22 16 00-0103	SF		7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	7.56	
			<i>For 25 PSI Compressive Strength, Add</i>	0.49	
			<i>For Hot-Mopped, Deduct</i>	-0.59	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.34	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0104 SF 9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	9.41	
<i>For 25 PSI Compressive Strength, Add</i>	0.61	
<i>For Hot-Mopped, Deduct</i>	-0.74	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.67	
<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
07 22 16 00-0105 Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0080)		
Note: Includes polyurethane adhesive.		
07 22 16 00-0106 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0105)		
07 22 16 00-0107 SF 2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	2.15	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.15	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.47	
07 22 16 00-0108 SF 2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	3.09	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.30	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.79	
07 22 16 00-0109 SF 3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	3.31	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.30	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.82	
07 22 16 00-0110 SF 3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	3.54	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.36	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.83	
07 22 16 00-0111 SF 4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	3.77	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.36	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.86	
07 22 16 00-0112 SF 4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	4.70	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.58	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.22	
07 22 16 00-0113 SF 5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	4.93	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.58	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.22	
07 22 16 00-0114 SF 5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	5.16	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
07 22 16 00-0115 SF 6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	5.38	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
07 22 16 00-0116 SF 6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	6.32	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.34	
<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.77	
07 22 16 00-0117 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0105)		
07 22 16 00-0118 SF 2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	2.03	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.15	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.47	
07 22 16 00-0119 SF 3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	3.20	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.30	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.79	
07 22 16 00-0120 SF 4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	3.65	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.36	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.83	
07 22 16 00-0121 SF 5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	4.82	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.58	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.22	
07 22 16 00-0122 SF 6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	5.27	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
07 22 16 00-0123 SF 7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	6.44	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.34	
<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.77	
07 22 16 00-0124 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0105)		
07 22 16 00-0125 SF 3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	3.43	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.30	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.82	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0126 SF 5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	5.04	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.58	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.22	
07 22 16 00-0127 SF 7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	6.66	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.34	
<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.77	
07 22 16 00-0128 SF 9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	8.52	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.67	
<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
07 22 16 00-0129 Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0080)		
Note: Includes polyurethane adhesive.		
07 22 16 00-0130 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0129)		
07 22 16 00-0131 SF 2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS).....	2.42	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.15	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.47	
07 22 16 00-0132 SF 2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS).....	3.35	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.30	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.79	
07 22 16 00-0133 SF 3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS).....	3.64	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.30	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.82	
07 22 16 00-0134 SF 3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS).....	3.93	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.36	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.83	
07 22 16 00-0135 SF 4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS).....	4.22	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.36	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.86	
07 22 16 00-0136 SF 4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS).....	5.15	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.58	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.22	
07 22 16 00-0137 SF 5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS).....	5.44	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.58	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.22	
07 22 16 00-0138 SF 5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS).....	5.73	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
07 22 16 00-0139 SF 6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS).....	6.01	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
07 22 16 00-0140 SF 6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS).....	6.95	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.34	
<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.77	
07 22 16 00-0141 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0129)		
07 22 16 00-0142 SF 2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS).....	2.28	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.15	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.47	
07 22 16 00-0143 SF 3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS).....	3.50	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.30	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.79	
07 22 16 00-0144 SF 4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS).....	4.07	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.36	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.83	
07 22 16 00-0145 SF 5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS).....	5.29	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.58	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.22	
07 22 16 00-0146 SF 6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS).....	5.87	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
07 22 16 00-0147 SF 7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS).....	7.09	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.34	
<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0148 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0129)</small>		
07 22 16 00-0149 SF 3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS).....	3.79	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.30	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.82	
07 22 16 00-0150 SF 5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS).....	5.58	
For Mechanically Fastened To Wood Or Steel, Add	0.07	
For Mechanically Fastened To Concrete, Add	0.58	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.22	
07 22 16 00-0151 SF 7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS).....	7.38	
For Mechanically Fastened To Wood Or Steel, Add	0.34	
For Mechanically Fastened To Concrete, Add	1.01	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.77	
07 22 16 00-0152 SF 9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS).....	9.19	
For Mechanically Fastened To Wood Or Steel, Add	0.67	
For Mechanically Fastened To Concrete, Add	1.49	
07 22 16 00-0153 Tapered Perlite Board <small>(07 22 16 00-0080)</small>		
Note: Includes polyurethane adhesive.		
07 22 16 00-0154 1/8" Slope, Tapered Perlite Board <small>(07 22 16 00-0153)</small>		
07 22 16 00-0155 SF 2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board	3.36	
For Hot-Mopped, Deduct	-0.15	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.15	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.47	
07 22 16 00-0156 SF 2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board	4.10	
For Hot-Mopped, Deduct	-0.30	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.30	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.79	
07 22 16 00-0157 SF 3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board	4.61	
For Hot-Mopped, Deduct	-0.30	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.30	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.82	
07 22 16 00-0158 SF 3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board	5.05	
For Hot-Mopped, Deduct	-0.30	
For Mechanically Fastened To Wood Or Steel, Add	0.01	
For Mechanically Fastened To Concrete, Add	0.36	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.83	
07 22 16 00-0159 SF 4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board	5.56	
For Hot-Mopped, Deduct	-0.30	
For Mechanically Fastened To Wood Or Steel, Add	0.01	
For Mechanically Fastened To Concrete, Add	0.36	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.86	
07 22 16 00-0160 SF 4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board	6.30	
For Hot-Mopped, Deduct	-0.45	
For Mechanically Fastened To Wood Or Steel, Add	0.07	
For Mechanically Fastened To Concrete, Add	0.58	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.22	
07 22 16 00-0161 SF 5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board	6.81	
For Hot-Mopped, Deduct	-0.45	
For Mechanically Fastened To Wood Or Steel, Add	0.07	
For Mechanically Fastened To Concrete, Add	0.58	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.22	
07 22 16 00-0162 SF 5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board	7.25	
For Hot-Mopped, Deduct	-0.45	
For Mechanically Fastened To Wood Or Steel, Add	0.28	
For Mechanically Fastened To Concrete, Add	0.79	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.30	
07 22 16 00-0163 SF 6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board	7.76	
For Hot-Mopped, Deduct	-0.45	
For Mechanically Fastened To Wood Or Steel, Add	0.28	
For Mechanically Fastened To Concrete, Add	0.79	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.30	
07 22 16 00-0164 SF 6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board	8.50	
For Hot-Mopped, Deduct	-0.59	
For Mechanically Fastened To Wood Or Steel, Add	0.34	
For Mechanically Fastened To Concrete, Add	1.01	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.77	
07 22 16 00-0165 1/4" Slope, Tapered Perlite Board <small>(07 22 16 00-0153)</small>		
07 22 16 00-0166 SF 2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board	3.10	
For Hot-Mopped, Deduct	-0.15	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.15	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.47	
07 22 16 00-0167 SF 3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board	4.36	
For Hot-Mopped, Deduct	-0.30	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.30	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.79	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0168 SF 4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board	5.31	
For Hot-Mopped, Deduct	-0.30	
For Mechanically Fastened To Wood Or Steel, Add	0.01	
For Mechanically Fastened To Concrete, Add	0.36	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.83	
07 22 16 00-0169 SF 5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board	6.55	
For Hot-Mopped, Deduct	-0.45	
For Mechanically Fastened To Wood Or Steel, Add	0.07	
For Mechanically Fastened To Concrete, Add	0.58	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.22	
07 22 16 00-0170 SF 6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board	7.50	
For Hot-Mopped, Deduct	-0.45	
For Mechanically Fastened To Wood Or Steel, Add	0.28	
For Mechanically Fastened To Concrete, Add	0.79	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.30	
07 22 16 00-0171 SF 7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board	8.76	
For Hot-Mopped, Deduct	-0.59	
For Mechanically Fastened To Wood Or Steel, Add	0.34	
For Mechanically Fastened To Concrete, Add	1.01	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.77	
07 22 16 00-0172 1/2" Slope, Tapered Perlite Board (07 22 16 00-0153)		
07 22 16 00-0173 SF 3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board	4.87	
For Hot-Mopped, Deduct	-0.30	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.30	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.82	
07 22 16 00-0174 SF 5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board	7.07	
For Hot-Mopped, Deduct	-0.45	
For Mechanically Fastened To Wood Or Steel, Add	0.07	
For Mechanically Fastened To Concrete, Add	0.58	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.22	
07 22 16 00-0175 SF 7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board	9.27	
For Hot-Mopped, Deduct	-0.59	
For Mechanically Fastened To Wood Or Steel, Add	0.34	
For Mechanically Fastened To Concrete, Add	1.01	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.77	
07 22 16 00-0176 SF 9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board	11.48	
For Hot-Mopped, Deduct	-0.74	
For Mechanically Fastened To Wood Or Steel, Add	0.67	
For Mechanically Fastened To Concrete, Add	1.49	
07 22 16 00-0177 Demolish Rigid Board Roofing Insulation (07 22 16)		
Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).		
07 22 16 00-0178 SF Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation	0.29	
07 22 16 00-0179 SF Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation	0.30	
07 22 16 00-0180 SF Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation	0.30	
07 22 16 00-0181 SF Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation	0.31	
07 22 16 00-0182 SF Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation	0.32	
07 22 16 00-0183 SF Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation	0.33	
07 22 16 00-0184 SF Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation	0.33	
07 22 16 00-0185 SF Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation	0.34	
07 22 16 00-0186 SF Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation	0.35	
07 22 16 00-0187 SF Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation	0.36	
07 22 16 00-0188 SF Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation	0.37	
07 22 16 00-0189 SF Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation	0.38	
07 22 16 00-0190 SF Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation	0.39	
07 24 Exterior Insulation And Finish Systems (07 20)		
07 24 13 Polymer-Based Exterior Insulation And Finish System (07 24)		
07 24 13 00-0001 Exterior Insulation Finishing System (EIFS) (07 24 13)		
07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0003 SF 1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	2.14	
For Up To 100, Add	0.44	
For >100 To 500, Add	0.22	
For >5,000, Deduct	-0.09	
For Adhesive And Mechanically Fastened To Wood Or Steel, Add	0.35	
For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	0.61	
07 24 13 00-0004 SF 1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	2.43	
For Up To 100, Add	0.44	
For >100 To 500, Add	0.22	
For >5,000, Deduct	-0.09	
For Adhesive And Mechanically Fastened To Wood Or Steel, Add	0.37	
For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	0.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0005 SF 2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	2.72	
<i>For Up To 100, Add</i>	0.44	
<i>For >100 To 500, Add</i>	0.22	
<i>For >5,000, Deduct</i>	-0.09	
<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	0.42	
<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	0.69	
07 24 13 00-0006 SF 2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	3.00	
<i>For Up To 100, Add</i>	0.44	
<i>For >100 To 500, Add</i>	0.22	
<i>For >5,000, Deduct</i>	-0.09	
<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	0.47	
<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	0.73	
07 24 13 00-0007 SF 3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	3.29	
<i>For Up To 100, Add</i>	0.44	
<i>For >100 To 500, Add</i>	0.22	
<i>For >5,000, Deduct</i>	-0.09	
<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	0.47	
<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	0.73	
07 24 13 00-0008 SF 4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	3.86	
<i>For Up To 100, Add</i>	0.44	
<i>For >100 To 500, Add</i>	0.22	
<i>For >5,000, Deduct</i>	-0.09	
<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	0.54	
<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	0.80	
07 24 13 00-0009 Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
<i>Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.</i>		
07 24 13 00-0010 SF 4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat	2.78	
<i>For Up To 100, Add</i>	0.89	
<i>For >100 To 500, Add</i>	0.44	
<i>For >5,000, Deduct</i>	-0.18	
07 24 13 00-0011 SF 6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat	3.07	
<i>For Up To 100, Add</i>	0.89	
<i>For >100 To 500, Add</i>	0.44	
<i>For >5,000, Deduct</i>	-0.18	
07 24 13 00-0012 SF 15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat	3.87	
<i>For Up To 100, Add</i>	0.89	
<i>For >100 To 500, Add</i>	0.44	
<i>For >5,000, Deduct</i>	-0.18	
07 24 13 00-0013 SF 20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat	4.11	
<i>For Up To 100, Add</i>	0.89	
<i>For >100 To 500, Add</i>	0.44	
<i>For >5,000, Deduct</i>	-0.18	
07 24 13 00-0014 Base Coats For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0015 SF Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM)	1.35	
<i>For Up To 100, Add</i>	0.44	
<i>For >100 To 500, Add</i>	0.22	
<i>For >5,000, Deduct</i>	-0.09	
07 24 13 00-0016 SF Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®)	1.57	
<i>For Up To 100, Add</i>	0.44	
<i>For >100 To 500, Add</i>	0.22	
<i>For >5,000, Deduct</i>	-0.09	
07 24 13 00-0017 SF Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	2.76	
<i>For Up To 100, Add</i>	0.44	
<i>For >100 To 500, Add</i>	0.22	
<i>For >5,000, Deduct</i>	-0.09	
07 24 13 00-0018 SF Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	3.70	
<i>For Up To 100, Add</i>	0.44	
<i>For >100 To 500, Add</i>	0.22	
<i>For >5,000, Deduct</i>	-0.09	
07 24 13 00-0019 Finish Coats For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
<i>Note: Includes all standard manufacturers' colors.</i>		
07 24 13 00-0020 SF 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	2.30	
<i>For Up To 100, Add</i>	0.89	
<i>For >100 To 500, Add</i>	0.44	
<i>For >5,000, Deduct</i>	-0.18	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 24 Exterior Insulation And Finish Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0021	SF		100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	2.35	
			For Up To 100, Add	0.89	
			For >100 To 500, Add	0.44	
			For >5,000, Deduct	-0.18	
07 24 13 00-0022	SF		Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish).....	2.69	
			For Up To 100, Add	0.89	
			For >100 To 500, Add	0.44	
			For >5,000, Deduct	-0.18	
07 24 13 00-0023	SF		Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish).....	3.00	
			For Up To 100, Add	0.89	
			For >100 To 500, Add	0.44	
			For >5,000, Deduct	-0.18	
07 24 13 00-0024	SF		Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	2.70	
			For Up To 100, Add	0.89	
			For >100 To 500, Add	0.44	
			For >5,000, Deduct	-0.18	
07 24 13 00-0025	SF		Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	3.00	
			For Up To 100, Add	0.89	
			For >100 To 500, Add	0.44	
			For >5,000, Deduct	-0.18	
07 24 13 00-0026	SF		Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth).....	2.40	
			For Up To 100, Add	0.89	
			For >100 To 500, Add	0.44	
			For >5,000, Deduct	-0.18	
07 24 13 00-0027	SF		Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®).....	2.72	
			For Up To 100, Add	0.89	
			For >100 To 500, Add	0.44	
			For >5,000, Deduct	-0.18	
07 24 13 00-0028	SF		100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™).....	5.47	
			For Up To 100, Add	0.89	
			For >100 To 500, Add	0.44	
			For >5,000, Deduct	-0.18	
07 24 13 00-0029			Primer And Sealers For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0030	SF		100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®).....	0.69	
			For Up To 100, Add	0.25	
			For >100 To 500, Add	0.13	
			For >5,000, Deduct	-0.05	
07 24 13 00-0031	SF		100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™).....	0.71	
			For Up To 100, Add	0.25	
			For >100 To 500, Add	0.13	
			For >5,000, Deduct	-0.05	
07 24 13 00-0032			Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0033	SF		Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat.....	0.95	
			For Up To 100, Add	0.25	
			For >100 To 500, Add	0.13	
			For >5,000, Deduct	-0.05	
07 24 13 00-0034	SF		Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat.....	1.18	
			For Up To 100, Add	0.25	
			For >100 To 500, Add	0.13	
			For >5,000, Deduct	-0.05	
07 24 13 00-0035			Drainage Accessories For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0036	SF		1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat).....	1.45	
			For Up To 100, Add	0.28	
			For >100 To 500, Add	0.14	
			For >5,000, Deduct	-0.06	
07 24 13 00-0037			Starter Tracks For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0038	LF		1" Width, PVC Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	2.11	
07 24 13 00-0039	LF		1-1/2" Width, PVC Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	2.28	
07 24 13 00-0040	LF		2" Width, PVC Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	2.47	
07 24 13 00-0041	LF		3" Width, PVC Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	2.88	
07 24 13 00-0042	LF		1" Width, PVC Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	2.28	
07 24 13 00-0043	LF		1-1/2" Width, PVC Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	2.47	
07 24 13 00-0044	LF		2" Width, PVC Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	2.66	
07 24 13 00-0045	LF		3" Width, PVC Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	3.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 24 13 00-0046	Demolish Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0047	SF Demolish Exterior Insulation Finishing Systems (EIFS).....	1.66	
	Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.		
	For Up To 100, Add	0.83	
	For >100 To 500, Add	0.42	
	For >5,000, Deduct	-0.17	

07 25 Weather Barriers (07)

07 26 Vapor Retarders (07 25)

07 26 13 Above-Grade Vapor Retarders (07 26)

07 26 13 00-0001	CSF Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B).....	15.94	
07 26 13 00-0002	CSF Asphalt Saturated Kraft Building Paper, Grade D, "Jumbo Tex".....	14.81	
07 26 13 00-0003	CSF 60 Minute Asphalt Saturated Kraft Building Paper, Grade D, "Super Jumbo Tex 60 Minute".....	18.44	
07 26 13 00-0004	CSF Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D, "Two Ply Super Jumbo Tex 60 Minute".....	23.76	
07 26 13 00-0005	CSF Regular Weight Red Rosin Sized Sheathing.....	24.72	
07 26 13 00-0006	CLF 6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper).....	45.91	
07 26 13 00-0007	CLF 4" Wide Self Adhering Butyl Sealing Tape.....	69.43	
07 26 13 00-0008	CLF 6" Wide Self Adhesive Butyl Sealing Tape.....	100.00	
07 26 13 00-0009	CLF 9" Wide Self Adhesive Butyl Sealing Tape.....	138.63	
07 26 13 00-0010	CSF Building Wrap (Tyvek).....	40.43	

07 27 Air Barriers (07 25)

07 27 23 Board Product Air Barriers (07 27)**07 27 23 00-0001 Barriers For Plenums** (07 27 23)

07 27 23 00-0002	SF 0.5" Thick Lead Vinyl Acoustic Plenum Barrier 0.48 LB/SF.....	6.92	1.76
	For Up To 50, Add	2.41	
	For >50 To 200, Add	1.38	
	For >200 To 500, Add	0.52	
	For >2,500, Deduct	-0.35	
07 27 23 00-0003	SF 0.625" Thick Lead Vinyl Acoustic Plenum Barrier 0.87 LB/SF.....	7.47	1.76
	For Up To 50, Add	2.63	
	For >50 To 200, Add	1.50	
	For >200 To 500, Add	0.56	
	For >2,500, Deduct	-0.37	
07 27 23 00-0004	SF Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick.....	2.62	1.17
	For Up To 50, Add	1.25	
	For >50 To 200, Add	0.69	
	For >200 To 500, Add	0.24	
	For >2,500, Deduct	-0.13	
07 27 23 00-0005	SF Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick.....	4.82	1.76
	For Up To 50, Add	2.23	
	For >50 To 200, Add	1.24	
	For >200 To 500, Add	0.43	
	For >2,500, Deduct	-0.24	
07 27 23 00-0006	SF Aluminum Mesh Barrier For Plenum Kraft Paper Backed.....	3.65	1.17
	For Up To 50, Add	1.40	
	For >50 To 200, Add	0.79	
	For >200 To 500, Add	0.29	
	For >2,500, Deduct	-0.18	
07 27 23 00-0007	SF 1/64" Thick Sheet Lead Barrier For Plenum 1 LB/SF.....	5.40	1.17
	For Up To 50, Add	1.59	
	For >50 To 200, Add	0.93	
	For >200 To 500, Add	0.37	
	For >2,500, Deduct	-0.27	

07 30 Steep Slope Roofing (07)

Note: Includes starter strips and manufacturer's product specific warranties.

07 31 Shingles And Shakes (07 30)

07 31 13 Asphalt Shingles (07 31)**07 31 13 00-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle** (07 31 13)

07 31 13 00-0002	SQ 200 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20).....	172.26	95.70
	For >50 To 75, Deduct	-3.41	
	For >75 To 100, Deduct	-8.14	
	For >100 To 200, Deduct	-13.73	
	For >200, Deduct	-20.64	
	For Steep Roof, Over 7 To 12, Add	27.85	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles And Shakes**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 00-0003 SQ 220 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25).....	180.60	100.49
For >50 To 75, Deduct	-3.57	
For >75 To 100, Deduct	-8.53	
For >100 To 200, Deduct	-14.38	
For >200, Deduct	-21.63	
For Steep Roof, Over 7 To 12, Add	29.24	
07 31 13 00-0004 SQ 230 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30).....	213.53	105.51
For >50 To 75, Deduct	-4.70	
For >75 To 100, Deduct	-10.63	
For >100 To 200, Deduct	-17.73	
For >200, Deduct	-26.06	
For Steep Roof, Over 7 To 12, Add	30.70	
07 31 13 00-0005 Architectural Fiberglass Reinforced, Asphalt Composition Shingle (07 31 13)		
Note: Excludes underlayment, drip edges, and ridge vent/shingles.		
07 31 13 00-0006 SQ 245 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark).....	213.68	122.17
For >50 To 75, Deduct	-4.11	
For >75 To 100, Deduct	-9.96	
For >100 To 200, Deduct	-16.84	
For >200, Deduct	-25.47	
For Steep Roof, Over 7 To 12, Add	35.53	
07 31 13 00-0007 SQ 240 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate).....	231.65	116.31
For >50 To 75, Deduct	-5.04	
For >75 To 100, Deduct	-11.46	
For >100 To 200, Deduct	-19.14	
For >200, Deduct	-28.20	
For Steep Roof, Over 7 To 12, Add	33.85	
07 31 13 00-0008 SQ 265 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus).....	249.99	128.28
For >50 To 75, Deduct	-5.33	
For >75 To 100, Deduct	-12.25	
For >100 To 200, Deduct	-20.50	
For >200, Deduct	-30.33	
For Steep Roof, Over 7 To 12, Add	37.32	
07 31 13 00-0009 SQ 235 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras).....	246.93	110.78
For >50 To 75, Deduct	-5.85	
For >75 To 100, Deduct	-12.75	
For >100 To 200, Deduct	-21.12	
For >200, Deduct	-30.54	
For Steep Roof, Over 7 To 12, Add	32.23	
07 31 13 00-0010 SQ 300 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium).....	273.11	134.69
For >50 To 75, Deduct	-6.03	
For >75 To 100, Deduct	-13.61	
For >100 To 200, Deduct	-22.70	
For >200, Deduct	-33.34	
For Steep Roof, Over 7 To 12, Add	39.17	
07 31 13 00-0011 SQ 300 LB/SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence).....	295.20	134.69
For >50 To 75, Deduct	-6.91	
For >75 To 100, Deduct	-15.16	
For >100 To 200, Deduct	-25.13	
For >200, Deduct	-36.43	
For Steep Roof, Over 7 To 12, Add	39.17	
07 31 13 00-0012 SQ 355 LB/SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake).....	321.77	148.47
For >50 To 75, Deduct	-7.47	
For >75 To 100, Deduct	-16.45	
For >100 To 200, Deduct	-27.29	
For >200, Deduct	-39.65	
For Steep Roof, Over 7 To 12, Add	43.20	
07 31 13 00-0013 SQ 340 LB/SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL).....	321.59	141.43
For >50 To 75, Deduct	-7.72	
For >75 To 100, Deduct	-16.73	
For >100 To 200, Deduct	-27.66	
For >200, Deduct	-39.88	
For Steep Roof, Over 7 To 12, Add	41.13	
07 31 13 00-0014 SQ 300 LB/SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris).....	322.36	134.69
For >50 To 75, Deduct	-8.00	
For >75 To 100, Deduct	-17.06	
For >100 To 200, Deduct	-28.11	
For >200, Deduct	-40.23	
For Steep Roof, Over 7 To 12, Add	39.17	
07 31 13 00-0015 SQ 355 LB/SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate).....	381.23	148.47
For >50 To 75, Deduct	-9.85	
For >75 To 100, Deduct	-20.61	
For >100 To 200, Deduct	-33.84	
For >200, Deduct	-47.97	
For Steep Roof, Over 7 To 12, Add	43.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 00-0016 SQ 355 LB/SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House).....	396.71	148.47
<i>For >50 To 75, Deduct</i>	-10.47	
<i>For >75 To 100, Deduct</i>	-21.69	
<i>For >100 To 200, Deduct</i>	-35.54	
<i>For >200, Deduct</i>	-50.14	
<i>For Steep Roof, Over 7 To 12, Add</i>	43.20	
07 31 13 00-0017 SQ 480 LB/SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL).....	441.27	163.72
<i>For >50 To 75, Deduct</i>	-11.70	
<i>For >75 To 100, Deduct</i>	-24.19	
<i>For >100 To 200, Deduct</i>	-39.61	
<i>For >200, Deduct</i>	-55.82	
<i>For Steep Roof, Over 7 To 12, Add</i>	47.63	
07 31 13 00-0018 SQ 425 LB/SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor).....	436.85	155.89
<i>For >50 To 75, Deduct</i>	-11.80	
<i>For >75 To 100, Deduct</i>	-24.20	
<i>For >100 To 200, Deduct</i>	-39.55	
<i>For >200, Deduct</i>	-55.49	
<i>For Steep Roof, Over 7 To 12, Add</i>	45.36	
07 31 13 00-0019 Accessories (07 31 13)		
07 31 13 00-0020 LF Hip And Ridge Roll Vent	4.34	0.58
Note: Excludes shingles.		
07 31 13 00-0021 LF Three Tab Hip And Ridge Shingles	2.32	1.43
07 31 13 00-0022 LF Architectural Hip And Ridge Shingles.....	2.86	1.58
07 31 13 00-0023 SQ Demolish Additional Layers Of Shingles.....	52.21	
07 31 16 Metal Shingles (07 31)		
07 31 16 00-0001 Aluminum Shingles (07 31 16)		
07 31 16 00-0002 SQ Aluminum Shingles, Mill Finish, 0.020" Thick	381.60	90.37
<i>For Colors, Anodized Finish, Add</i>	30.00	
<i>For Bonderized Finish, Add</i>	47.00	
<i>For 1" Factory Applied Polystyrene, Add</i>	37.00	
07 31 16 00-0003 SQ Aluminum Shingles, Mill Finish, 0.030" Thick	520.66	98.78
<i>For Colors, Anodized Finish, Add</i>	30.00	
<i>For Bonderized Finish, Add</i>	47.00	
<i>For 1" Factory Applied Polystyrene, Add</i>	37.00	
07 31 16 00-0004 LF Aluminum Shingles, Ridge Cap, 0.020" Thick	6.99	1.30
07 31 16 00-0005 LF Aluminum Shingles, Ridge Cap, 0.030" Thick	7.31	1.30
07 31 16 00-0006 LF Aluminum Shingles, Valley Section For Above, 0.020" Thick	4.54	1.30
07 31 16 00-0007 LF Aluminum Shingles, Valley Section For Above, 0.030" Thick	5.19	1.30
07 31 16 00-0008 Galvanized Steel Shingles (07 31 16)		
07 31 16 00-0009 SQ 24 Gauge Steel Shingles, Galvanized	281.81	81.32
<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
<i>For >50 To 75, Deduct</i>	-4.77	
<i>For >75 To 100, Deduct</i>	-12.41	
<i>For >100 To 200, Deduct</i>	-21.24	
<i>For >200, Deduct</i>	-28.88	
<i>For Steep Roof, Over 7 To 12, Add</i>	52.05	
07 31 16 00-0010 SQ 26 Gauge Steel Shingles, Galvanized	270.61	80.67
<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
<i>For >50 To 75, Deduct</i>	-4.37	
<i>For >75 To 100, Deduct</i>	-11.69	
<i>For >100 To 200, Deduct</i>	-20.09	
<i>For >200, Deduct</i>	-27.40	
<i>For Steep Roof, Over 7 To 12, Add</i>	51.61	
07 31 16 00-0011 SQ 24 Gauge Steel Shingles, Galvanized And Bonderized.....	454.14	80.67
<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
<i>For >50 To 75, Deduct</i>	-11.71	
<i>For >75 To 100, Deduct</i>	-24.53	
<i>For >100 To 200, Deduct</i>	-40.28	
<i>For >200, Deduct</i>	-53.10	
<i>For Steep Roof, Over 7 To 12, Add</i>	51.61	
07 31 16 00-0012 SQ 26 Gauge Steel Shingles, Galvanized And Bonderized.....	418.03	80.67
<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
<i>For >50 To 75, Deduct</i>	-10.27	
<i>For >75 To 100, Deduct</i>	-22.00	
<i>For >100 To 200, Deduct</i>	-36.31	
<i>For >200, Deduct</i>	-48.04	
<i>For Steep Roof, Over 7 To 12, Add</i>	51.61	
07 31 16 00-0013 LF Ridge Or Valley.....	4.63	1.09
<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
<i>For >50 To 75, Deduct</i>	-0.10	
<i>For >75 To 100, Deduct</i>	-0.23	
<i>For >100 To 200, Deduct</i>	-0.38	
<i>For >200, Deduct</i>	-0.51	
<i>For Steep Roof, Over 7 To 12, Add</i>	0.68	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles And Shakes**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**07 31 19 Mineral-Fiber Cement Shingles (07 31)**

Code	Description	Total Direct Unit Cost	Demolition Unit Cost
07 31 19 00-0001	Mineral Fiber Shingles (07 31 19)		
07 31 19 00-0002	SQ Mineral Fiber Strip Shingles, 14" X 30", 325 LB/SQ.....	449.39	54.21
	<i>For Steep Roof, Over 7 To 12, Add</i>	34.70	
07 31 19 00-0003	SQ Mineral Fiber, Shakes, 9.35" x 16", 500 LB/SQ	631.86	98.67
	<i>For Steep Roof, Over 7 To 12, Add</i>	63.15	
07 31 19 00-0004	SQ Mineral Fiber, Hexagonal Shape, 16" X 16", per SQ	438.11	72.37
	<i>For Steep Roof, Over 7 To 12, Add</i>	46.31	
07 31 19 00-0005	SQ Mineral Fiber, Square, 16" X 16", per SQ	406.39	72.37
	<i>For Steep Roof, Over 7 To 12, Add</i>	46.31	
07 31 19 00-0006	CLF Mineral Fiber, Strip Shingles, Starters, 8" x 30", 255 LB Per 100 LF	312.83	72.37
07 31 19 00-0007	CLF Mineral Fiber, Hip And Ridge Shingles, 4-3/4" x 14", 380 LB Per 100 LF	1,036.32	216.85
07 31 19 00-0008	CLF Mineral Fiber, Hip And Ridge Shingles, 5-3/8" X 14", per 100 LF	1,091.83	216.85

07 31 26 Slate Shingles (07 31)

Note: Includes 30 LB felt and fasteners.

Code	Description	Total Direct Unit Cost	Demolition Unit Cost
07 31 26 00-0001	Shingles Including 30 LB Felt And Nails (07 31 26)		
07 31 26 00-0002	SQ Slate Shingles, Buckingham, Virginia Black, 3/16" Thick.....	932.80	138.75
	<i>For >50 To 75, Deduct</i>	-24.98	
	<i>For >75 To 100, Deduct</i>	-51.42	
	<i>For >100 To 200, Deduct</i>	-84.11	
	<i>For >200, Deduct</i>	-110.55	
	<i>For Graduated Shapes, Add</i>	93.68	
	<i>For Steep Roof, Over 7 To 12, Add</i>	98.66	
07 31 26 00-0003	SQ Slate Shingles, Buckingham, Virginia Black, 1/4" Thick.....	1,107.80	138.75
	<i>For >50 To 75, Deduct</i>	-31.98	
	<i>For >75 To 100, Deduct</i>	-63.67	
	<i>For >100 To 200, Deduct</i>	-103.36	
	<i>For >200, Deduct</i>	-135.05	
	<i>For Graduated Shapes, Add</i>	119.93	
	<i>For Steep Roof, Over 7 To 12, Add</i>	98.66	
07 31 26 00-0004	SQ Slate Shingles, Penn Black Bangor	1,055.30	138.75
	<i>For >50 To 75, Deduct</i>	-29.88	
	<i>For >75 To 100, Deduct</i>	-60.00	
	<i>For >100 To 200, Deduct</i>	-97.59	
	<i>For >200, Deduct</i>	-127.70	
	<i>For Graduated Shapes, Add</i>	112.05	
	<i>For Steep Roof, Over 7 To 12, Add</i>	98.66	
07 31 26 00-0005	SQ Slate Shingles, Vermont, Unfading Colors, Green.....	1,072.80	138.75
	<i>For >50 To 75, Deduct</i>	-30.58	
	<i>For >75 To 100, Deduct</i>	-61.22	
	<i>For >100 To 200, Deduct</i>	-99.51	
	<i>For >200, Deduct</i>	-130.15	
	<i>For Graduated Shapes, Add</i>	114.68	
	<i>For Steep Roof, Over 7 To 12, Add</i>	98.66	
07 31 26 00-0006	SQ Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray	1,142.80	138.75
	<i>For >50 To 75, Deduct</i>	-33.38	
	<i>For >75 To 100, Deduct</i>	-66.12	
	<i>For >100 To 200, Deduct</i>	-107.21	
	<i>For >200, Deduct</i>	-139.95	
	<i>For Graduated Shapes, Add</i>	125.18	
	<i>For Steep Roof, Over 7 To 12, Add</i>	98.66	
07 31 26 00-0007	SQ Slate Shingles, Vermont, Unfading Color, Purple	1,055.30	138.75
	<i>For >50 To 75, Deduct</i>	-29.88	
	<i>For >75 To 100, Deduct</i>	-60.00	
	<i>For >100 To 200, Deduct</i>	-97.59	
	<i>For >200, Deduct</i>	-127.70	
	<i>For Graduated Shapes, Add</i>	112.05	
	<i>For Steep Roof, Over 7 To 12, Add</i>	98.66	
07 31 26 00-0008	SQ Slate Shingles, Vermont, Unfading Color, Black Or Gray	1,002.80	138.75
	<i>For >50 To 75, Deduct</i>	-27.78	
	<i>For >75 To 100, Deduct</i>	-56.32	
	<i>For >100 To 200, Deduct</i>	-91.81	
	<i>For >200, Deduct</i>	-120.35	
	<i>For Graduated Shapes, Add</i>	104.18	
	<i>For Steep Roof, Over 7 To 12, Add</i>	98.66	
07 31 26 00-0009	SQ Slate Shingles, Vermont, Unfading Color, Red	2,096.30	138.75
	<i>For >50 To 75, Deduct</i>	-71.52	
	<i>For >75 To 100, Deduct</i>	-132.87	
	<i>For >100 To 200, Deduct</i>	-212.10	
	<i>For >200, Deduct</i>	-273.44	
	<i>For Graduated Shapes, Add</i>	268.20	
	<i>For Steep Roof, Over 7 To 12, Add</i>	98.66	
07 31 26 00-0010	SQ Slate Shingles, Vermont, Unfading Color, Variegated Purple	1,055.30	138.75
	<i>For >50 To 75, Deduct</i>	-29.88	
	<i>For >75 To 100, Deduct</i>	-60.00	
	<i>For >100 To 200, Deduct</i>	-97.59	
	<i>For >200, Deduct</i>	-127.70	
	<i>For Graduated Shapes, Add</i>	112.05	
	<i>For Steep Roof, Over 7 To 12, Add</i>	98.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 Wood Shingles And Shakes (07 31)		
07 31 29 13 Wood Shingles (07 31 29)		
07 31 29 13-0001 #1 Grade, Red Cedar Shingles (07 31 29 13)		
07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0001)		
07 31 29 13-0003 SQ 3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	473.43	116.84
For Steep Roof, Over 7 To 12, Add	74.78	
For CCA Treated, Add	35.96	
07 31 29 13-0004 SQ 5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	343.08	87.63
For Steep Roof, Over 7 To 12, Add	56.08	
For CCA Treated, Add	25.17	
07 31 29 13-0005 SQ 4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	420.39	99.31
For Steep Roof, Over 7 To 12, Add	63.56	
For CCA Treated, Add	33.26	
07 31 29 13-0006 SQ 5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	344.31	81.79
For Steep Roof, Over 7 To 12, Add	52.35	
For CCA Treated, Add	27.11	
07 31 29 13-0007 SQ 5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	456.92	77.40
For Steep Roof, Over 7 To 12, Add	49.54	
For CCA Treated, Add	45.32	
07 31 29 13-0008 SQ 7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	353.50	65.72
For Steep Roof, Over 7 To 12, Add	42.06	
For CCA Treated, Add	33.31	
07 31 29 13-0009 #1 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0001)		
07 31 29 13-0010 SQ 7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	330.18	105.16
For CCA Treated, Add	17.98	
07 31 29 13-0011 SQ 8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	323.27	99.31
For CCA Treated, Add	18.70	
07 31 29 13-0012 SQ 10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	330.94	86.17
For CCA Treated, Add	23.79	
07 31 29 13-0013 #2 Grade, Red Cedar Shingles (07 31 29 13)		
07 31 29 13-0014 #2 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0013)		
07 31 29 13-0015 SQ 3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	439.00	122.68
For Steep Roof, Over 7 To 12, Add	78.52	
For CCA Treated, Add	29.05	
07 31 29 13-0016 SQ 4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	391.44	111.00
For Steep Roof, Over 7 To 12, Add	71.04	
For CCA Treated, Add	25.42	
07 31 29 13-0017 SQ 4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	417.87	111.00
For Steep Roof, Over 7 To 12, Add	71.04	
For CCA Treated, Add	29.38	
07 31 29 13-0018 SQ 4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	372.87	99.31
For Steep Roof, Over 7 To 12, Add	63.56	
For CCA Treated, Add	26.14	
07 31 29 13-0019 SQ 5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	365.59	77.40
For Steep Roof, Over 7 To 12, Add	49.54	
For CCA Treated, Add	31.62	
07 31 29 13-0020 SQ 6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	298.54	67.19
For Steep Roof, Over 7 To 12, Add	43.00	
For CCA Treated, Add	24.63	
07 31 29 13-0021 #2 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0013)		
07 31 29 13-0022 SQ 6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	318.82	111.00
For CCA Treated, Add	14.52	
07 31 29 13-0023 SQ 7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	308.24	105.16
For CCA Treated, Add	14.69	
07 31 29 13-0024 SQ 9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	297.59	93.47
For CCA Treated, Add	16.60	
07 31 29 16 Wood Shakes (07 31 29)		
07 31 29 16-0001 #1 Grade, Red Cedar Shakes (07 31 29 16)		
07 31 29 16-0002 #1 Grade, Red Cedar Shakes Installed On Roofs (07 31 29 16-0001)		
07 31 29 16-0003 SQ 8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	344.79	94.93
For Steep Roof, Over 7 To 12, Add	60.76	
For CCA Treated, Add	23.24	
07 31 29 16-0004 SQ 8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	396.42	94.93
For Steep Roof, Over 7 To 12, Add	60.76	
For CCA Treated, Add	30.98	
07 31 29 16-0005 SQ 10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	367.83	77.40
For Steep Roof, Over 7 To 12, Add	49.54	
For CCA Treated, Add	31.95	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles And Shakes**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 16-0006	SQ		10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For CCA Treated, Add</i>	389.77 49.54 35.24	77.40
07 31 29 16-0007			#1 Grade, Red Cedar Shakes Installed On Walls (07 31 29 16-0001)		
07 31 29 16-0008	SQ		8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall <i>For CCA Treated, Add</i>	359.39 23.24	102.24
07 31 29 16-0009	SQ		8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall <i>For CCA Treated, Add</i>	411.02 30.98	102.24
07 31 29 16-0010	SQ		10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall <i>For CCA Treated, Add</i>	388.27 31.95	87.63
07 31 29 16-0011	SQ		10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall <i>For CCA Treated, Add</i>	410.21 35.24	87.63
07 31 29 17			Wood Hip And Ridge Cap (07 31 29)		
07 31 29 17-0001			Accessories (07 31 29 17)		
07 31 29 17-0002	LF		Hip Or Ridge Cap For Wood Shingles Or Shakes <i>For Steep Roof, Over 7 To 12, Add</i> <i>For CCA Treated Ridge, Add</i>	5.87 0.57 0.61	0.76
07 31 33			Composite Rubber Shingles (07 31)		
07 31 33 00-0001			Synthetic Polymeric Rubber Slate Shingles (07 31 33) Note: As manufactured by EcoStar.		
07 31 33 00-0002	SQ		Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Gray or black. <i>For Purple Or Green Color, Add</i> <i>For Brown Or Red Color, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	665.27 67.69 173.46 77.50 -10.58 -27.21 -43.84 -66.53 46.37 92.73	121.11
07 31 33 00-0003	SQ		Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Fire resistant. Gray or black. <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	947.32 105.77 77.50 -17.63 -41.31 -64.99 -94.73 66.51 133.02	121.11
07 31 33 00-0004	SQ		Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Beaver tail, chisel point or beveled edges. Gray or black. <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	781.41 194.12 77.50 -13.48 -33.02 -52.55 -78.14 54.66 109.32	121.11
07 31 33 00-0005	SQ		Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black. <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	1,005.39 83.95 77.50 -19.08 -44.21 -69.35 -100.54 70.66 141.32	121.11
07 31 33 00-0006	LF		Hip Or Ridge Polymeric Rubber Slate Shingle..... Note: Beveled or pointed edges, gray or black.	9.33	0.81
07 32			Roof Tiles (07 30)		
07 32 13			Clay Roof Tiles (07 32) Note: 8-1/4" x 11" exposure. Includes mortar, fasteners, felt underlayment and 90# cap sheet.		
07 32 13 00-0001			Clay Roofing Tile 8-1/4" x 11" Exposure (07 32 13) Note: Includes mortar, fasteners, felt underlayment and 90# cap sheet.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0002 SQ Lanai Or Classic Tile, 158 Piece Per SQ	830.00	131.58
For >25 To 50, Deduct	-34.01	
For >50 To 75, Deduct	-63.26	
For >75 To 100, Deduct	-86.84	
For >100 To 200, Deduct	-104.76	
For >200, Deduct	-117.01	
For 20 Year Warranty, Add	39.68	
07 32 13 00-0003 SQ Americana (Most Colors) Tile Roofing, 158 Piece Per SQ.....	1,014.93	131.58
For >25 To 50, Deduct	-45.10	
For >50 To 75, Deduct	-81.75	
For >75 To 100, Deduct	-110.88	
For >100 To 200, Deduct	-132.50	
For >200, Deduct	-146.60	
For 20 Year Warranty, Add	52.62	
07 32 13 00-0004 SQ Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ	1,014.93	131.58
For >25 To 50, Deduct	-45.10	
For >50 To 75, Deduct	-81.75	
For >75 To 100, Deduct	-110.88	
For >100 To 200, Deduct	-132.50	
For >200, Deduct	-146.60	
For 20 Year Warranty, Add	52.62	
07 32 13 00-0005 SQ Americana (Blue) Tile, 158 Piece Per SQ.....	1,171.84	131.58
For >25 To 50, Deduct	-54.52	
For >50 To 75, Deduct	-97.44	
For >75 To 100, Deduct	-131.28	
For >100 To 200, Deduct	-156.04	
For >200, Deduct	-171.70	
For 20 Year Warranty, Add	63.60	
07 32 13 00-0006 SQ French Tile Roofing, Red, 133 Piece Per SQ	987.99	160.88
For >25 To 50, Deduct	-39.97	
For >50 To 75, Deduct	-74.67	
For >75 To 100, Deduct	-102.70	
For >100 To 200, Deduct	-124.07	
For >200, Deduct	-138.77	
For 20 Year Warranty, Add	46.64	
07 32 13 00-0007 SQ French Tile Roofing, Blue Or Green, 133 Piece Per SQ	1,264.02	160.88
For >25 To 50, Deduct	-56.54	
For >50 To 75, Deduct	-102.27	
For >75 To 100, Deduct	-138.58	
For >100 To 200, Deduct	-165.47	
For >200, Deduct	-182.94	
For 20 Year Warranty, Add	65.96	
07 32 13 00-0008 SQ Norman Tile Roofing, 317 Piece Per SQ	1,605.98	217.04
For >25 To 50, Deduct	-70.32	
For >50 To 75, Deduct	-128.05	
For >75 To 100, Deduct	-174.06	
For >100 To 200, Deduct	-208.35	
For >200, Deduct	-230.92	
For 20 Year Warranty, Add	82.04	
07 32 13 00-0009 SQ Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ	849.88	160.88
For >25 To 50, Deduct	-31.69	
For >50 To 75, Deduct	-60.86	
For >75 To 100, Deduct	-84.74	
For >100 To 200, Deduct	-103.35	
For >200, Deduct	-116.68	
For 20 Year Warranty, Add	36.97	
07 32 13 00-0010 SQ Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ.....	1,073.49	160.88
For >25 To 50, Deduct	-45.10	
For >50 To 75, Deduct	-83.22	
For >75 To 100, Deduct	-113.81	
For >100 To 200, Deduct	-136.89	
For >200, Deduct	-152.45	
For 20 Year Warranty, Add	52.62	
07 32 13 00-0011 SQ Spanish Tile Roofing, Red, 171 Piece Per SQ.....	740.50	120.46
For >25 To 50, Deduct	-29.97	
For >50 To 75, Deduct	-55.98	
For >75 To 100, Deduct	-76.99	
For >100 To 200, Deduct	-93.00	
For >200, Deduct	-104.02	
For 20 Year Warranty, Add	34.97	
07 32 13 00-0012 SQ Spanish Tile Roofing, Blend, 171 Piece Per SQ.....	981.47	120.46
For >25 To 50, Deduct	-44.43	
For >50 To 75, Deduct	-80.08	
For >75 To 100, Deduct	-108.32	
For >100 To 200, Deduct	-129.15	
For >200, Deduct	-142.58	
For 20 Year Warranty, Add	51.84	
07 32 13 00-0013 SQ Spanish Tile Roofing, Glazed White, 171 Piece Per SQ.....	1,188.82	120.46
For >25 To 50, Deduct	-56.87	
For >50 To 75, Deduct	-100.81	
For >75 To 100, Deduct	-135.27	
For >100 To 200, Deduct	-160.25	
For >200, Deduct	-175.75	
For 20 Year Warranty, Add	66.35	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 32 Roof Tiles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0014	SQ		Two Piece Mission Tile Roofing, 192 Piece Per SQ	1,409.58	188.83
			<i>For >25 To 50, Deduct</i>	-61.92	
			<i>For >50 To 75, Deduct</i>	-112.63	
			<i>For >75 To 100, Deduct</i>	-153.03	
			<i>For >100 To 200, Deduct</i>	-183.11	
			<i>For >200, Deduct</i>	-202.87	
			<i>For 20 Year Warranty, Add</i>	72.24	
07 32 13 00-0015	SQ		One Piece Mission Tile Roofing, 75 Piece Per SQ	589.02	131.58
			<i>For >25 To 50, Deduct</i>	-19.55	
			<i>For >50 To 75, Deduct</i>	-39.16	
			<i>For >75 To 100, Deduct</i>	-55.52	
			<i>For >100 To 200, Deduct</i>	-68.61	
			<i>For >200, Deduct</i>	-78.45	
			<i>For 20 Year Warranty, Add</i>	22.81	
07 32 13 00-0016	SQ		One Piece Mission Tile Roofing, 134 Piece Per SQ	779.13	188.83
			<i>For >25 To 50, Deduct</i>	-24.09	
			<i>For >50 To 75, Deduct</i>	-49.59	
			<i>For >75 To 100, Deduct</i>	-71.07	
			<i>For >100 To 200, Deduct</i>	-88.55	
			<i>For >200, Deduct</i>	-102.00	
			<i>For 20 Year Warranty, Add</i>	28.10	

07 32 16 Concrete Roof Tiles (07 32)**07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood (07 32 16)**

Note: Includes 30 lb felt underlayment.

07 32 16 00-0002	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Earthtone Colors, Corrugated	568.61	199.46
			<i>For >50 To 75, Deduct</i>	-6.79	
			<i>For >75 To 100, Deduct</i>	-21.85	
			<i>For >100 To 200, Deduct</i>	-38.61	
			<i>For >200, Deduct</i>	-53.67	
			<i>For Steep Roof, Over 7 To 12, Add</i>	127.67	
07 32 16 00-0003	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Blues, Corrugated	743.75	199.46
			<i>For >50 To 75, Deduct</i>	-13.79	
			<i>For >75 To 100, Deduct</i>	-34.11	
			<i>For >100 To 200, Deduct</i>	-57.87	
			<i>For >200, Deduct</i>	-78.19	
			<i>For Steep Roof, Over 7 To 12, Add</i>	127.67	
07 32 16 00-0004	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Greens Corrugated	603.64	199.46
			<i>For >50 To 75, Deduct</i>	-8.19	
			<i>For >75 To 100, Deduct</i>	-24.30	
			<i>For >100 To 200, Deduct</i>	-42.46	
			<i>For >200, Deduct</i>	-58.58	
			<i>For Steep Roof, Over 7 To 12, Add</i>	127.67	
07 32 16 00-0005	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Colors, Shakes	570.39	178.46
			<i>For >50 To 75, Deduct</i>	-8.54	
			<i>For >75 To 100, Deduct</i>	-23.86	
			<i>For >100 To 200, Deduct</i>	-41.32	
			<i>For >200, Deduct</i>	-56.65	
			<i>For Steep Roof, Over 7 To 12, Add</i>	114.23	

07 32 16 00-0006 Accessories (07 32 16)

07 32 16 00-0007	EA		Ridge And Hip, 10" X 16-1/2", 8 LB Each For Concrete Tile Roof	2.96	
07 32 16 00-0008	EA		Rake, 6-1/2" X 16-3/4", 9 LB Each For Concrete Tile Roof	1.95	
07 32 16 00-0009	EA		Mansard Hip, 10" X 16-1/2", 9.2 LB Each For Concrete Tile Roof	2.94	
07 32 16 00-0010	EA		Hip Starter, 10" X 16-1/2", 10.5 LB Each For Concrete Tile Roof	3.37	
07 32 16 00-0011	EA		3 Or 4 Way Apex, 10" Each Side, 11.5 LB Each For Concrete Tile Roof	3.50	

07 34 Roofing Underlayment (07 30)**07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment (07 34)**

Note: Standard slope.

07 34 00 00-0002	SQ		15 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	16.74	3.90
			<i>For Steep Roof, Over 7 To 12, Add</i>	2.50	
			<i>For >50 To 75, Deduct</i>	-0.36	
			<i>For >75 To 100, Deduct</i>	-0.82	
			<i>For >100 To 200, Deduct</i>	-1.37	
			<i>For >200, Deduct</i>	-2.03	
07 34 00 00-0003	SQ		30 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	25.66	5.37
			<i>For Steep Roof, Over 7 To 12, Add</i>	3.43	
			<i>For >50 To 75, Deduct</i>	-0.60	
			<i>For >75 To 100, Deduct</i>	-1.31	
			<i>For >100 To 200, Deduct</i>	-2.18	
			<i>For >200, Deduct</i>	-3.16	
07 34 00 00-0004	SQ		30 LB, Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened	28.47	5.37
			<i>For Steep Roof, Over 7 To 12, Add</i>	3.43	
			<i>For >50 To 75, Deduct</i>	-0.71	
			<i>For >75 To 100, Deduct</i>	-1.51	
			<i>For >100 To 200, Deduct</i>	-2.49	
			<i>For >200, Deduct</i>	-3.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0005 SQ Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt)	32.21	8.13
<i>For Steep Roof, Over 7 To 12, Add</i>	5.21	
<i>For >50 To 75, Deduct</i>	-0.64	
<i>For >75 To 100, Deduct</i>	-1.52	
<i>For >100 To 200, Deduct</i>	-2.57	
<i>For >200, Deduct</i>	-3.86	
07 34 00 00-0006 SQ 17 Mil. Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25).....	35.54	8.13
<i>For Steep Roof, Over 7 To 12, Add</i>	5.21	
<i>For >50 To 75, Deduct</i>	-0.77	
<i>For >75 To 100, Deduct</i>	-1.76	
<i>For >100 To 200, Deduct</i>	-2.93	
<i>For >200, Deduct</i>	-4.32	
07 34 00 00-0007 SQ 25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30).....	41.03	8.13
<i>For Steep Roof, Over 7 To 12, Add</i>	5.21	
<i>For >50 To 75, Deduct</i>	-0.99	
<i>For >75 To 100, Deduct</i>	-2.14	
<i>For >100 To 200, Deduct</i>	-3.54	
<i>For >200, Deduct</i>	-5.09	
07 34 00 00-0008 SQ 30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50).....	38.29	8.13
<i>For Steep Roof, Over 7 To 12, Add</i>	5.21	
<i>For >50 To 75, Deduct</i>	-0.88	
<i>For >75 To 100, Deduct</i>	-1.95	
<i>For >100 To 200, Deduct</i>	-3.24	
<i>For >200, Deduct</i>	-4.71	
07 34 00 00-0009 Self-Adhering, Roofing Underlayment (07.34)		
Note: Standard slope.		
07 34 00 00-0010 SQ 48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, SBS Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat)	65.26	9.87
<i>For Steep Roof, Over 7 To 12, Add</i>	6.31	
<i>For >50 To 75, Deduct</i>	-1.82	
<i>For >75 To 100, Deduct</i>	-3.68	
<i>For >100 To 200, Deduct</i>	-6.00	
<i>For >200, Deduct</i>	-8.35	
07 34 00 00-0011 SQ 60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®).....	97.07	9.87
<i>For Steep Roof, Over 7 To 12, Add</i>	6.31	
<i>For >50 To 75, Deduct</i>	-3.09	
<i>For >75 To 100, Deduct</i>	-5.91	
<i>For >100 To 200, Deduct</i>	-9.49	
<i>For >200, Deduct</i>	-12.80	
07 34 00 00-0012 SQ 53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, SBS Modified Roofing Underlayment, Self- Adhering (Owens Corning® WeatherLock® G).....	69.19	9.87
<i>For Steep Roof, Over 7 To 12, Add</i>	6.31	
<i>For >50 To 75, Deduct</i>	-1.98	
<i>For >75 To 100, Deduct</i>	-3.96	
<i>For >100 To 200, Deduct</i>	-6.43	
<i>For >200, Deduct</i>	-8.90	
07 34 00 00-0013 SQ 65 Mil, Fire Rated, Polyester Non Woven Fabric Surfaced, Fiberglass Mat Reinforced, SBS Modified Roofing Underlayment, Self Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal).....	65.26	9.87
<i>For Steep Roof, Over 7 To 12, Add</i>	6.31	
<i>For >50 To 75, Deduct</i>	-1.82	
<i>For >75 To 100, Deduct</i>	-3.68	
<i>For >100 To 200, Deduct</i>	-6.00	
<i>For >200, Deduct</i>	-8.35	
07 34 00 00-0014 SQ 45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30)	92.48	9.87
<i>For Steep Roof, Over 7 To 12, Add</i>	6.31	
<i>For >50 To 75, Deduct</i>	-2.91	
<i>For >75 To 100, Deduct</i>	-5.59	
<i>For >100 To 200, Deduct</i>	-8.99	
<i>For >200, Deduct</i>	-12.16	
07 34 00 00-0015 SQ 25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select).....	78.11	9.87
<i>For Steep Roof, Over 7 To 12, Add</i>	6.31	
<i>For >50 To 75, Deduct</i>	-2.34	
<i>For >75 To 100, Deduct</i>	-4.58	
<i>For >100 To 200, Deduct</i>	-7.41	
<i>For >200, Deduct</i>	-10.15	
07 34 00 00-0016 SQ 40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®).....	115.14	9.87
<i>For Steep Roof, Over 7 To 12, Add</i>	6.31	
<i>For >50 To 75, Deduct</i>	-3.82	
<i>For >75 To 100, Deduct</i>	-7.17	
<i>For >100 To 200, Deduct</i>	-11.48	
<i>For >200, Deduct</i>	-15.33	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 34 Roofing Underlayment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0017 SQ 40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT).....	131.36	9.87
For Steep Roof, Over 7 To 12, Add	6.31	
For >50 To 75, Deduct	-4.47	
For >75 To 100, Deduct	-8.31	
For >100 To 200, Deduct	-13.27	
For >200, Deduct	-17.60	
07 34 00 00-0018 SQ 30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra)	192.23	9.87
For Steep Roof, Over 7 To 12, Add	6.31	
For >50 To 75, Deduct	-6.90	
For >75 To 100, Deduct	-12.57	
For >100 To 200, Deduct	-19.96	
For >200, Deduct	-26.12	

07 40 Roofing And Siding Panels ⁽⁰⁷⁾

Note: Includes placement of materials on roof up to 2-1/2 stories. All new roof installations include flood testing.

07 41 Roof Panels ^(07 40)

Note: Includes standard fasteners, grommets, cleats for installation.

07 41 13 Metal Roof Panels ^(07 41)**07 41 13 00-0001 Exposed Fastener Metal Roofing** ^(07 41 13)

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing ^(07 41 13 00-0001)**07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels** ^(07 41 13 00-0002)

07 41 13 00-0004 SF 18 Gauge Galvanized Exposed Fastener Metal Roof Panels	5.43	0.57
For Fluoropolymer (Kynar) Coating, Add	0.64	
For Steep Roof, Over 7 To 12, Add	0.80	
07 41 13 00-0005 SF 20 Gauge Galvanized Exposed Fastener Metal Roof Panels	4.91	0.57
For Fluoropolymer (Kynar) Coating, Add	0.64	
For Steep Roof, Over 7 To 12, Add	0.80	
07 41 13 00-0006 SF 22 Gauge Galvanized Exposed Fastener Metal Roof Panels	4.55	0.57
For Fluoropolymer (Kynar) Coating, Add	0.64	
For Steep Roof, Over 7 To 12, Add	0.80	
07 41 13 00-0007 SF 24 Gauge Galvanized Exposed Fastener Metal Roof Panels	4.19	0.57
For Fluoropolymer (Kynar) Coating, Add	0.64	
For Steep Roof, Over 7 To 12, Add	0.80	
07 41 13 00-0008 SF 26 Gauge Galvanized Exposed Fastener Metal Roof Panels	3.90	0.57
For Fluoropolymer (Kynar) Coating, Add	0.64	
For Steep Roof, Over 7 To 12, Add	0.80	
07 41 13 00-0009 SF 29 Gauge Galvanized Exposed Fastener Metal Roof Panels	3.64	0.57
For Fluoropolymer (Kynar) Coating, Add	0.64	
For Steep Roof, Over 7 To 12, Add	0.80	
07 41 13 00-0010 SF 30 Gauge Galvanized Exposed Fastener Metal Roof Panels	3.54	0.57
For Fluoropolymer (Kynar) Coating, Add	0.64	
For Steep Roof, Over 7 To 12, Add	0.80	
07 41 13 00-0011 Galvanized Exposed Fastener Metal Roof Accessories ^(07 41 13 00-0002)		
See CSI section 07 41 13 00-0038 for accessories.		
07 41 13 00-0012 LF Ridge Flashing For Galvanized Steel Exposed Fastener Roofing	27.72	2.50
For Steep Roof, Over 7 To 12, Add	3.18	
For Fluoropolymer (Kynar) Coating, Add	1.78	
07 41 13 00-0013 LF Eave Flashing For Galvanized Steel Exposed Fastener Roofing	20.48	2.50
For Steep Roof, Over 7 To 12, Add	3.18	
For Fluoropolymer (Kynar) Coating, Add	1.06	
07 41 13 00-0014 LF Valley Flashing For Galvanized Steel Exposed Fastener Roofing	34.70	2.50
For Steep Roof, Over 7 To 12, Add	3.18	
For Fluoropolymer (Kynar) Coating, Add	2.48	
07 41 13 00-0015 LF Hip Flashing For Galvanized Steel Exposed Fastener Roofing	28.35	2.50
For Steep Roof, Over 7 To 12, Add	3.18	
For Fluoropolymer (Kynar) Coating, Add	1.84	
07 41 13 00-0016 Aluminum Exposed Fastener Metal Roofing ^(07 41 13 00-0001)		
07 41 13 00-0017 Aluminum Exposed Fastener Metal Roof Panels ^(07 41 13 00-0016)		
07 41 13 00-0018 SF 0.0155" Aluminum Exposed Fastener Metal Roof Panels.....	3.39	0.57
For Fluoropolymer (Kynar) Coating, Add	0.64	
For Steep Roof, Over 7 To 12, Add	0.80	
07 41 13 00-0019 SF 0.018" Aluminum Exposed Fastener Metal Roof Panels.....	3.53	0.57
For Fluoropolymer (Kynar) Coating, Add	0.64	
For Steep Roof, Over 7 To 12, Add	0.80	
07 41 13 00-0020 SF 0.024" Aluminum Exposed Fastener Metal Roof Panels.....	3.88	0.57
For Fluoropolymer (Kynar) Coating, Add	0.64	
For Steep Roof, Over 7 To 12, Add	0.80	
07 41 13 00-0021 SF 0.032" Aluminum Exposed Fastener Metal Roof Panels.....	4.34	0.57
For Fluoropolymer (Kynar) Coating, Add	0.64	
For Steep Roof, Over 7 To 12, Add	0.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0022 SF 0.040" Aluminum Exposed Fastener Metal Roof Panels <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	4.80 0.64 0.80	0.57
07 41 13 00-0023 SF 0.050" Aluminum Exposed Fastener Metal Roof Panels <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	5.37 0.64 0.80	0.57
07 41 13 00-0024 Aluminum Exposed Fastener Metal Roof Accessories (07 41 13 00-0016)		
07 41 13 00-0025 LF Ridge Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar) Coating, Add</i>	28.31 2.00 2.21	2.50
07 41 13 00-0026 LF Eave Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar) Coating, Add</i>	19.26 2.00 1.30	2.50
07 41 13 00-0027 LF Valley Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar) Coating, Add</i>	37.04 2.00 3.08	2.50
07 41 13 00-0028 LF Hip Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar) Coating, Add</i>	29.11 2.00 2.29	2.50
07 41 13 00-0029 Standing Seam Roofs (07 41 13)		
<p>Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.</p>		
07 41 13 00-0030 Galvanized Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)		
<p>Note: All steel is galvanized G90 rated or galvalume. Factory paint finish is Kynar 500, Hylar 5000 or equal PVC finish.</p>		
07 41 13 00-0031 Galvanized Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0030)		
07 41 13 00-0032 SF Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels <16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	11.42 0.99 0.49 1.18 2.86 1.71 0.29	1.32
07 41 13 00-0033 SF Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels <16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	12.18 0.99 0.51 1.22 3.05 1.83 0.30	1.32
07 41 13 00-0034 SF Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels <16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	10.74 0.99 0.48 1.15 2.69 1.61 0.27	1.32
07 41 13 00-0035 SF Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels <16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	11.01 0.99 0.49 1.16 2.75 1.65 0.28	1.32
07 41 13 00-0036 SF Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels <16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	11.31 0.99 0.49 1.18 2.83 1.70 0.28	1.32
07 41 13 00-0037 SF Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels <16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	12.42 0.99 0.51 1.23 3.11 1.86 0.31	1.32
07 41 13 00-0038 Accessories For Galvanized Steel Standing Seam Roofing (07 41 13 00-0030)		
07 41 13 00-0039 LF Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	29.50 2.98 1.38	3.97

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 41 Roof Panels**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0040	LF		Eave Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	21.53 2.98 1.23	3.97
07 41 13 00-0041	LF		Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	37.18 2.98 1.54	3.97
07 41 13 00-0042	LF		Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	30.19 2.98 1.40	3.97
07 41 13 00-0043			Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0029) Note: Factory paint finish is Kynar 500, Hylar 5000 or equal PVCF finish.		
07 41 13 00-0044			Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0043)		
07 41 13 00-0045	SF		Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels <16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	11.95 0.99 0.50 1.21 2.99 1.79 0.30	1.32
07 41 13 00-0046	SF		Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels <16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	12.60 0.99 0.52 1.24 3.15 1.89 0.32	1.32
07 41 13 00-0047	SF		Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels <16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	11.58 0.99 0.50 1.19 2.90 1.74 0.29	1.32
07 41 13 00-0048	SF		Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels <16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	12.78 0.99 0.52 1.25 3.20 1.92 0.32	1.32
07 41 13 00-0049			Accessories For Aluminum Standing Seam Roofing (07 41 13 00-0043)		
07 41 13 00-0050	LF		Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	34.21 2.98 1.48	3.97
07 41 13 00-0051	LF		Eave Flashing For Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	24.25 2.98 1.28	3.97
07 41 13 00-0052	LF		Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	43.81 2.98 1.67	3.97
07 41 13 00-0053	LF		Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	35.09 2.98 1.50	3.97
07 41 13 00-0054			Copper Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)		
07 41 13 00-0055			Copper Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)		
07 41 13 00-0056	SF		Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels <16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	31.39 1.49 1.02 2.49 7.85 4.71 0.78	1.98
07 41 13 00-0057	SF		Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels <16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	37.99 1.49 1.16 2.82 9.50 5.70 0.95	1.98
07 41 13 00-0058			Accessories For Copper Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)		
07 41 13 00-0059	LF		Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	95.61 2.98 2.71	3.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0060 LF Eave Flashing For Copper Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	54.12 2.98 1.88	3.97
07 41 13 00-0061 LF Valley Flashing For Copper Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	134.85 2.98 3.49	3.97
07 41 13 00-0062 LF Hip Flashing For Copper Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	98.71 2.98 2.77	3.97
07 41 13 00-0063 Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)		
07 41 13 00-0064 Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0063)		
07 41 13 00-0065 SF Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels <16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	23.61 1.49 0.87 2.10 5.90 3.54 0.59	1.98
07 41 13 00-0066 SF Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels <16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	27.57 1.49 0.95 2.30 6.89 4.14 0.69	1.98
07 41 13 00-0067 SF Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels <16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	32.28 1.49 1.04 2.53 8.07 4.84 0.81	1.98
07 41 13 00-0068 SF Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels <16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	38.31 1.49 1.16 2.83 9.58 5.75 0.96	1.98
07 41 13 00-0069 Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0063)		
07 41 13 00-0070 LF Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	84.00 3.35 2.57	3.97
07 41 13 00-0071 LF Eave Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	48.73 3.35 1.87	3.97
07 41 13 00-0072 LF Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	117.35 3.35 3.24	3.97
07 41 13 00-0073 LF Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	86.64 3.35 2.63	3.97
07 41 13 00-0074 Metal Roof Surfacing (07 41 13)		
07 41 13 00-0075 SF Acrylic, Metal Roof Primer, One Coat..... <i>For Steep Roof, Over 7 To 12, Add</i>	0.24 0.03	
07 41 13 00-0076 SF Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat..... Note: 55% solids by volume. <i>For Steep Roof, Over 7 To 12, Add</i>	0.36 0.03	
07 41 33 Plastic Roof Panels (07 41)		
07 41 33 00-0001 Polyvinyl Chloride (PVC) Roofing Panels (07 41 33)		
07 41 33 00-0002 Polyvinyl Chloride (PVC) Roofing Panels (07 41 33 00-0001)		
07 41 33 00-0003 SF Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide.....	3.11	1.09
07 41 33 00-0004 SF Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide.....	2.96	0.98
07 41 33 00-0005 SF Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide.....	3.21	1.09
07 41 33 00-0006 SF Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide.....	3.04	0.98
07 41 33 00-0007 Polyvinyl Chloride (PVC) Roofing Accessories (07 41 33 00-0001)		
07 41 33 00-0008 LF 1" "J" Channel, Starter Strip Trim.....	1.92	0.81
07 41 33 00-0009 LF 3-1/2" "J" Channel, Starter Strip Trim.....	2.71	0.81
07 41 33 00-0010 LF Outside Corner Post, 7/8" Pocket.....	2.94	0.81
07 41 33 00-0011 LF Inside Corner Post, 7/8" Pocket.....	2.33	0.81

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 41 Roof Panels**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 41 33 00-0012	Fiberglass Roofing Panel (07 41 33)		
07 41 33 00-0013	Corrugated Panels (07 41 33 00-0012)		
07 41 33 00-0014	SF 8 Ounce Corrugated Fiberglass Panel.....	3.77	0.87
07 41 33 00-0015	SF 12 Ounce Corrugated Fiberglass Panel.....	4.43	0.87
07 42	Wall Panels (07 40)		
07 42 63	Fabricated Wall Panel Assemblies (07 42)		
07 42 63 00-0001	24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels (07 42 63)		
	Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Metl-Span Corporation.		
07 42 63 00-0002	SF 2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels.....	11.91	1.44
	For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
	For Premium Exterior Colors, Add	0.12	
07 42 63 00-0003	SF 2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels.....	13.38	1.62
	For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
	For Premium Exterior Colors, Add	0.12	
07 42 63 00-0004	SF 3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels.....	14.62	1.84
	For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
	For Premium Exterior Colors, Add	0.12	
07 42 63 00-0005	SF 4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels.....	16.32	2.44
	For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
	For Premium Exterior Colors, Add	0.12	
07 46	Siding (07 40)		
07 46 16	Aluminum Siding (07 46)		
	Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 16 00-0001	Aluminum Coil Stock Cladding (07 46 16)		
	Note: Per SF of board, includes overlappage.		
07 46 16 00-0002	SF Aluminum Cladding, 0.016" Thick.....	5.67	2.17
07 46 16 00-0003	SF Aluminum Cladding, 0.019" Thick.....	5.71	2.17
07 46 16 00-0004	SF Aluminum Cladding, 0.024" Thick.....	5.78	2.17
07 46 16 00-0005	Aluminum Siding Panels For Structural Steel Framing (07 46 16)		
	Note: Includes fasteners.		
07 46 16 00-0006	Corrugated (07 46 16 00-0005)		
07 46 16 00-0007	SF 0.019" Corrugated Aluminum Siding Panel, Mill Finish, Including Fasteners.....	3.35	1.24
07 46 16 00-0008	SF 0.021" Corrugated Aluminum Siding Panel, Mill Finish, Including Fasteners.....	3.47	1.24
07 46 16 00-0009	SF 0.024" Corrugated Aluminum Siding Panel, Mill Finish, Including Fasteners.....	3.75	1.24
07 46 16 00-0010	SF 0.032" Corrugated Aluminum Siding Panel, Mill Finish, Including Fasteners.....	4.23	1.24
07 46 16 00-0011	SF 0.019" Corrugated Aluminum Siding Panel, Painted Finish, Including Fasteners.....	3.58	1.24
07 46 16 00-0012	SF 0.021" Corrugated Aluminum Siding Panel, Painted Finish, Including Fasteners.....	3.69	1.24
07 46 16 00-0013	SF 0.024" Corrugated Aluminum Siding Panel, Painted Finish, Including Fasteners.....	4.01	1.24
07 46 16 00-0014	SF 0.032" Corrugated Aluminum Siding Panel, Painted Finish, Including Fasteners.....	4.64	1.24
07 46 16 00-0015	V- Beam (07 46 16 00-0005)		
07 46 16 00-0016	SF 0.032" Aluminum V-Beam Siding Panel, Mill Finish, Including Fasteners.....	4.25	1.24
07 46 16 00-0017	SF 0.040" Aluminum V-Beam Siding Panel, Mill Finish, Including Fasteners.....	4.50	1.24
07 46 16 00-0018	SF 0.050" Aluminum V-Beam Siding Panel, Mill Finish, Including Fasteners.....	4.82	1.24
07 46 16 00-0019	SF 0.032" Aluminum V-Beam Siding Panel, Painted Finish, Including Fasteners.....	4.61	1.24
07 46 16 00-0020	SF 0.040" Aluminum V-Beam Siding Panel, Painted Finish, Including Fasteners.....	5.04	1.24
07 46 16 00-0021	SF 0.050" Aluminum V-Beam Siding Panel, Painted Finish, Including Fasteners.....	6.04	1.24
07 46 16 00-0022	Rib (07 46 16 00-0005)		
07 46 16 00-0023	SF 0.032" Aluminum Siding Panel With 4" Rib, Mill Finish, Including Fasteners.....	4.57	1.24
07 46 16 00-0024	SF 0.040" Aluminum Siding Panel With 4" Rib, Mill Finish, Including Fasteners.....	4.82	1.24
07 46 16 00-0025	SF 0.050" Aluminum Siding Panel With 4" Rib, Mill Finish, Including Fasteners.....	5.15	1.24
07 46 16 00-0026	SF 0.032" Aluminum Siding Panel With 4" Rib, Painted Finish, Including Fasteners.....	4.80	1.24
07 46 16 00-0027	SF 0.040" Aluminum Siding Panel With 4" Rib, Painted Finish, Including Fasteners.....	5.21	1.24
07 46 16 00-0028	SF 0.050" Aluminum Siding Panel With 4" Rib, Painted Finish, Including Fasteners.....	5.46	1.24
07 46 16 00-0029	Aluminum Soffit And Fascia (07 46 16)		
	Note: Excludes J-channel.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 16 00-0030 LF 6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit..... <i>For 0.015" Thick, Deduct</i>	2.41 -0.04	0.82
07 46 16 00-0031 LF 10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit..... <i>For 0.015" Thick, Deduct</i>	3.00 -0.09	0.86
07 46 16 00-0032 LF 1" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit <i>For 0.015" Thick, Deduct</i>	3.29 -0.11	0.89
07 46 16 00-0033 LF 1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit <i>For 0.015" Thick, Deduct</i>	4.13 -0.15	0.93
07 46 16 00-0034 LF 2" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit <i>For 0.015" Thick, Deduct</i>	5.07 -0.22	1.02
07 46 16 00-0035 LF 3" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit <i>For 0.015" Thick, Deduct</i>	6.79 -0.33	1.13
07 46 16 00-0036 LF 4" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit <i>For 0.015" Thick, Deduct</i>	8.51 -0.44	1.25
07 46 16 00-0037 LF 5" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit <i>For 0.015" Thick, Deduct</i>	10.28 -0.55	1.37
07 46 16 00-0038 LF 4" Exposure, 0.024" Thick, Aluminum Fascia	2.83	0.81
07 46 16 00-0039 LF 6" Exposure, 0.024" Thick, Aluminum Fascia	3.12	0.82
07 46 16 00-0040 LF 8" Exposure, 0.024" Thick, Aluminum Fascia	3.68	0.85
07 46 16 00-0041 LF 10" Exposure, 0.024" Thick, Aluminum Fascia	4.28	0.86
07 46 16 00-0042 Aluminum Siding Accessories (07 46 16)		
07 46 16 00-0043 LF 3/8" Pocket, Aluminum J-Channel	1.86	0.77
07 46 16 00-0044 LF 1/2" Pocket, Aluminum J-Channel	1.86	0.77
07 46 16 00-0045 LF 3/4" Pocket, Aluminum J-Channel	2.20	0.77
07 46 16 00-0046 LF 3/8" Pocket, Aluminum F-Channel.....	2.05	0.77
07 46 16 00-0047 LF 1/2" Pocket, Aluminum F-Channel.....	2.05	0.77
07 46 19 Steel Siding (07 46)		
Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 19 00-0001 Steel Siding Panels For Structural Steel Framing (07 46 19)		
Note: Included fasteners.		
07 46 19 00-0002 Corrugated, Painted (07 46 19 00-0001)		
Note: Factory applied.		
07 46 19 00-0003 SF 20 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted..... <i>For Galvanized Instead Of Painted Steel, Add</i>	6.30 0.95	1.24
07 46 19 00-0004 SF 22 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted <i>For Galvanized Instead Of Painted Steel, Add</i>	5.79 0.82	1.24
07 46 19 00-0005 SF 24 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted <i>For Galvanized Instead Of Painted Steel, Add</i>	5.66 0.79	1.24
07 46 19 00-0006 SF 26 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted <i>For Galvanized Instead Of Painted Steel, Add</i>	4.17 0.42	1.24
07 46 19 00-0007 SF 28 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted <i>For Galvanized Instead Of Painted Steel, Add</i>	4.06 0.39	1.24
07 46 19 00-0008 SF 30 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted <i>For Galvanized Instead Of Painted Steel, Add</i>	3.99 0.37	1.24
07 46 19 00-0009 Box Rib, Painted (07 46 19 00-0001)		
Note: Factory applied.		
07 46 19 00-0010 SF 20 Gauge Box Rib Steel Siding Panel, Painted With Fasteners <i>For Galvanized Instead Of Painted Steel, Add</i>	5.92 0.86	1.24
07 46 19 00-0011 SF 22 Gauge Box Rib Steel Siding Panel, Painted With Fasteners <i>For Galvanized Instead Of Painted Steel, Add</i>	5.69 0.80	1.24
07 46 19 00-0012 SF 24 Gauge Box Rib Steel Siding Panel, Painted With Fasteners <i>For Galvanized Instead Of Painted Steel, Add</i>	5.54 0.76	1.24
07 46 19 00-0013 SF 26 Gauge Box Rib Steel Siding Panel, Painted With Fasteners <i>For Galvanized Instead Of Painted Steel, Add</i>	5.28 0.70	1.24
07 46 19 00-0014 SF 28 Gauge Box Rib Steel Siding Panel, Painted With Fasteners <i>For Galvanized Instead Of Painted Steel, Add</i>	4.74 0.56	1.24
07 46 19 00-0015 Steel Siding For Wood Frame (07 46 19)		
Note: Horizontal clapboard, double 5" profiler, 1/2" deep butt, wood grain pattern. Includes fasteners, trim and all accessories.		
07 46 19 00-0016 SF Horizontal Clapboard.....	5.99	0.63
07 46 23 Wood Siding (07 46)		
Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 23 00-0001 Wood Lap Siding (07 46 23)		
07 46 23 00-0002 LF 8" Wide Rough Sawn Cedar Lap Siding	2.23	0.84
07 46 23 00-0003 LF 10" Wide Rough Sawn Cedar Lap Siding	2.52	0.90
07 46 23 00-0004 LF 12" Wide Rough Sawn Cedar Lap Siding	2.82	0.96
07 46 23 00-0005 LF 6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade	2.39	0.84
07 46 23 00-0006 LF 6" To 8" Wide Spruce Lap Siding, #2 Or Better	2.66	0.84
07 46 23 00-0007 LF 6" To 8" Wide Western Red Cedar, B Grade Lap Siding	3.24	0.84
07 46 23 00-0008 LF 6" To 8" Wide Western Red Cedar, A Grade Lap Siding	3.47	0.84
07 46 23 00-0009 LF 6" To 8" Wide Clear Heart Redwood Lap Siding.....	3.15	0.84

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 46 Siding**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 23 00-0010	LF		1" x 8" Cedar Round Or Flat Front Siding, Log Cabin.....	2.48	0.90
07 46 23 00-0011	LF		1" x 8" Cedar Beveled Siding, Channel, Rustic.....	2.48	0.90
07 46 23 00-0012			Tongue And Groove Siding (07 46 23)		
07 46 23 00-0013	SF		1" x 6" Tongue And Groove Southern Yellow Pine Siding	2.22	0.84
07 46 23 00-0014	SF		1" x 8" Tongue And Groove Southern Yellow Pine Siding	2.46	0.84
07 46 23 00-0015	SF		1" x 6" 105 Southern Yellow Pine Siding	2.28	0.84
07 46 23 00-0016	SF		1" x 8" 105 Southern Yellow Pine Siding	3.06	0.84
07 46 29			Plywood Siding (07 46)		
			Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 29 00-0001			T-111 Siding (07 46 29)		
07 46 29 00-0002	SF		5/8" T-111 Fir, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud.....	1.83	0.42
			For Pressure Treated, Add	0.18	
07 46 29 00-0003	SF		5/8" T-111 Cedar, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud.....	1.80	0.42
			For Pressure Treated, Add	0.18	
07 46 33			Plastic Siding (07 46)		
			Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 33 00-0001			Vinyl Siding (07 46 33)		
			Note: Includes standard manufacturer's colors.		
07 46 33 00-0002			Vinyl Siding Panels (07 46 33 00-0001)		
			Note: Excludes J-channels, starter strips and trim.		
07 46 33 00-0003			Horizontal Vinyl Siding Panels (07 46 33 00-0002)		
			Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.		
07 46 33 00-0004	SF		7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	2.77	1.00
			For 0.040" Thick, Deduct	-0.11	
			For 0.042" Thick, Deduct	0.08	
			For 0.046" Thick, Add	0.33	
			For Manufacturer's Custom Colors, Add	0.04	
07 46 33 00-0005	SF		8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	2.65	0.95
			For 0.040" Thick, Deduct	-0.11	
			For 0.042" Thick, Deduct	0.08	
			For 0.046" Thick, Add	0.33	
			For Manufacturer's Custom Colors, Add	0.04	
07 46 33 00-0006	SF		9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	2.57	0.90
			For 0.040" Thick, Deduct	-0.11	
			For 0.042" Thick, Deduct	0.08	
			For 0.046" Thick, Add	0.33	
			For Manufacturer's Custom Colors, Add	0.04	
07 46 33 00-0007	SF		10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	2.48	0.86
			For 0.040" Thick, Deduct	-0.11	
			For 0.042" Thick, Deduct	0.08	
			For 0.046" Thick, Add	0.33	
			For Manufacturer's Custom Colors, Add	0.04	
07 46 33 00-0008	SF		12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	2.35	0.80
			For 0.040" Thick, Deduct	-0.11	
			For 0.042" Thick, Deduct	0.08	
			For 0.046" Thick, Add	0.33	
			For Manufacturer's Custom Colors, Add	0.04	
07 46 33 00-0009			Vertical Vinyl Siding Panels (07 46 33 00-0002)		
07 46 33 00-0010	SF		7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel.....	3.36	1.00
			For Manufacturer's Custom Colors, Add	0.07	
07 46 33 00-0011			Vinyl Siding Accessories (07 46 33 00-0001)		
07 46 33 00-0012	LF		3/4" Pocket, Outside Corner Post For Vinyl Siding	3.04	0.77
			For Manufacturer's Custom Colors, Add	0.08	
07 46 33 00-0013	LF		1-1/8" Pocket, Outside Corner Post For Vinyl Siding	5.63	0.77
			For Manufacturer's Custom Colors, Add	0.20	
07 46 33 00-0014	LF		3/4" Pocket, Inside Corner Post For Vinyl Siding	2.59	0.77
			For Manufacturer's Custom Colors, Add	0.05	
07 46 33 00-0015	LF		1-1/8" Pocket, Inside Corner Post For Vinyl Siding	3.08	0.77
			For Manufacturer's Custom Colors, Add	0.08	
07 46 33 00-0016	LF		3/8" Pocket, J-Channel For Vinyl Siding	1.84	0.77
			For Manufacturer's Custom Colors, Add	0.02	
07 46 33 00-0017	LF		1/2" Pocket, J-Channel For Vinyl Siding	1.80	0.77
			For Manufacturer's Custom Colors, Add	0.02	
07 46 33 00-0018	LF		5/8" Pocket, J-Channel For Vinyl Siding	1.81	0.77
			For Manufacturer's Custom Colors, Add	0.02	
07 46 33 00-0019	LF		3/4" Pocket, J-Channel For Vinyl Siding	1.84	0.77
			For Manufacturer's Custom Colors, Add	0.02	
07 46 33 00-0020	LF		1" Pocket, J-Channel For Vinyl Siding	2.00	0.77
			For Manufacturer's Custom Colors, Add	0.02	
07 46 33 00-0021	LF		1-1/4" Pocket, J-Channel For Vinyl Siding	2.02	0.77
			For Manufacturer's Custom Colors, Add	0.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0022 LF 2-1/2" Pocket, J-Channel For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	3.55 0.08	0.77
07 46 33 00-0023 LF 1/2" Pocket, F-Channel For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	1.61 0.02	0.77
07 46 33 00-0024 LF 3/4" Pocket, 3-3/4" Lineals For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	3.97 0.09	1.06
07 46 33 00-0025 LF 3/4" Pocket, 5" Lineals For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	4.04 0.10	1.06
07 46 33 00-0026 LF 1-1/8" Pocket, 3-1/2" Lineals For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	3.97 0.09	1.06
07 46 33 00-0027 LF 3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	3.18 0.08	0.77
07 46 33 00-0028 LF Vinyl Starter Strip For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	2.81 0.06	0.77
07 46 33 00-0029 LF Undersill Trim For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	1.97 0.02	0.77
07 46 33 00-0030 Vinyl Soffit And Fascia (07 46 33 00-0001) Note: Excludes J-channel.		
07 46 33 00-0031 LF 6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	2.16 -0.10 -0.06 0.11 0.03	0.82
07 46 33 00-0032 LF 10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	2.58 -0.18 -0.11 0.19 0.04	0.86
07 46 33 00-0033 LF 1" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	2.79 -0.23 -0.15 0.22 0.05	0.89
07 46 33 00-0034 LF 1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	3.38 -0.35 -0.23 0.34 0.08	0.93
07 46 33 00-0035 LF 2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	4.08 -0.45 -0.29 0.45 0.10	1.02
07 46 33 00-0036 LF 3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	5.30 -0.70 -0.46 0.67 0.15	1.13
07 46 33 00-0037 LF 4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	6.52 -0.92 -0.60 0.89 0.20	1.25
07 46 33 00-0038 LF 5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	7.80 -1.17 -0.77 1.12 0.25	1.37
07 46 33 00-0039 LF 4" Exposure, Vinyl Fascia..... <i>For Manufacturer's Custom Colors, Add</i>	2.31 0.04	0.81
07 46 33 00-0040 LF 6" Exposure, Vinyl Fascia..... <i>For Manufacturer's Custom Colors, Add</i>	2.57 0.05	0.82
07 46 33 00-0041 LF 8" Exposure, Vinyl Fascia..... <i>For Manufacturer's Custom Colors, Add</i>	2.71 0.05	0.85
07 46 33 00-0042 LF 10" Exposure, Vinyl Fascia..... <i>For Manufacturer's Custom Colors, Add</i>	2.90 0.06	0.86
07 46 33 00-0043 Fiberglass Siding (07 46 33)		
07 46 33 00-0044 Corrugated Panels (07 46 33 00-0043)		
07 46 33 00-0045 SF 6 Ounce Corrugated Fiberglass Panels.....	3.88	1.19
07 46 33 00-0046 SF 8 Ounce Corrugated Fiberglass Panels.....	4.15	1.06
07 46 33 00-0047 SF 12 Ounce Corrugated Fiberglass Panels.....	4.65	1.06
07 46 33 00-0048 Flat Panels (07 46 33 00-0043)		
07 46 33 00-0049 SF 6 Ounce Flat Fiberglass Panels.....	3.70	1.06
07 46 33 00-0050 SF 8 Ounce Flat Fiberglass Panels.....	4.15	1.06

07 46 46 Fiber-Cement Siding (07 46)
Note: Smooth or patterns. Includes sealer and primer.

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 46 Siding**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 46 46 00-0001	5/16" Thick, Fiber Cement Lap Siding (07 46 46)		
07 46 46 00-0002	SF 5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	3.79	1.25
07 46 46 00-0003	SF 6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	3.61	1.19
07 46 46 00-0004	SF 7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	3.53	1.15
07 46 46 00-0005	SF 8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	3.45	1.12
07 46 46 00-0006	SF 9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	3.30	1.06
07 46 46 00-0007	SF 12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	3.15	1.00
07 46 46 00-0008	LF Starter Strip, Fiber Cement Lap Siding.....	0.83	0.30
07 46 46 00-0009	Fiber Cement Shingle Siding (07 46 46)		
07 46 46 00-0010	SF Fiber Cement Shingle Siding.....	6.18	1.09
07 46 46 00-0011	Fiber Cement Vertical Panel Siding (07 46 46)		
07 46 46 00-0012	SF Fiber Cement Vertical Panel Siding.....	2.80	0.89
07 46 46 00-0013	Fiber Cement Trim Boards (07 46 46)		
07 46 46 00-0014	7/16" Thick, Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0015	LF 4" Wide, 7/16" Thick, Fiber Cement Trim Board.....	1.82	0.59
07 46 46 00-0016	LF 6" Wide, 7/16" Thick, Fiber Cement Trim Board.....	2.36	0.65
07 46 46 00-0017	LF 8" Wide, 7/16" Thick, Fiber Cement Trim Board.....	2.87	0.71
07 46 46 00-0018	LF 12" Wide, 7/16" Thick, Fiber Cement Trim Board.....	3.83	0.83
07 46 46 00-0019	3/4" Thick Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0020	LF 4" Wide, 3/4" Thick, Fiber Cement Trim Board.....	1.93	0.59
07 46 46 00-0021	LF 6" Wide, 3/4" Thick, Fiber Cement Trim Board.....	2.52	0.65
07 46 46 00-0022	LF 8" Wide, 3/4" Thick, Fiber Cement Trim Board.....	3.14	0.71
07 46 46 00-0023	LF 12" Wide, 3/4" Thick, Fiber Cement Trim Board.....	3.25	0.83
07 46 46 00-0024	1" Thick Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0025	LF 4" Wide, 1" Thick, Fiber Cement Trim Board.....	2.06	0.59
07 46 46 00-0026	LF 6" Wide, 1" Thick, Fiber Cement Trim Board.....	2.75	0.65
07 46 46 00-0027	LF 8" Wide, 1" Thick, Fiber Cement Trim Board.....	3.48	0.71
07 46 46 00-0028	LF 12" Wide, 1" Thick, Fiber Cement Trim Board.....	4.70	0.83
07 46 46 00-0029	Fiber Cement Fascia Board (07 46 46)		
07 46 46 00-0030	LF 5/4" x 3-1/2" Fiber Cement Fascia Board.....	3.41	1.17
07 46 46 00-0031	LF 5/4" x 5-1/2" Fiber Cement Fascia Board.....	4.30	1.30
07 46 46 00-0032	LF 5/4" x 7-1/4" Fiber Cement Fascia Board.....	4.84	1.30
07 46 46 00-0033	LF 5/4" x 11-1/4" Fiber Cement Fascia Board.....	6.47	1.52
07 46 46 00-0034	Fiber Cement Soffit Boards (07 46 46)		
07 46 46 00-0035	SF 1/4" Thick, Non Vented Fiber Cement Soffit.....	3.71	0.85
07 46 46 00-0036	SF 1/4" Thick, Vented Fiber Cement Soffit.....	3.97	0.85
07 46 63 Fabricated Panel Assemblies With Siding (07 46)			
07 46 63 00-0001	Metal Liner Panels (07 46 63)		
07 46 63 00-0002	Galvanized Metal Liner Panels (07 46 63 00-0001)		
07 46 63 00-0003	SF 24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	5.47	1.05
07 46 63 00-0004	SF 22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	6.00	1.05
07 46 63 00-0005	SF 20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	6.95	1.05
07 46 63 00-0006	SF 18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	7.04	1.05

07 50 Membrane Roofing (07)

Note: Includes placement of materials on roof up to 2-1/2 stories. See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

07 51 Built-Up Bituminous Roofing (07 50)**07 51 13 Built-Up Asphalt Roofing** (07 51)**07 51 13 00-0001** Built-Up Asphalt Roofing Components (07 51 13)**07 51 13 00-0002** Built-Up Asphalt Membrane Roofing (07 51 13 00-0001)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0066 for built-up roofing demolition.

07 51 13 00-0003 Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)

Note: Includes applying cold adhesive and embedding the membrane.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0004 Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets <small>(07 51 13 00-0003)</small>		
07 51 13 00-0005 SQ Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied.....	48.71	
<i>For Up To 10, Add</i>	7.60	
<i>For >10 To 25, Add</i>	5.88	
07 51 13 00-0006 SQ Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied.....	130.32	
<i>For Up To 10, Add</i>	11.68	
<i>For >10 To 25, Add</i>	9.96	
07 51 13 00-0007 Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing <small>(07 51 13 00-0003)</small>		
07 51 13 00-0008 SF Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied.....	3.20	
07 51 13 00-0009 Hot-Mopped, Built-Up Asphalt Membrane Roofing <small>(07 51 13 00-0002)</small>		
<small>Note: Includes mopping hot asphalt and embedding the membrane.</small>		
07 51 13 00-0010 Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets <small>(07 51 13 00-0009)</small>		
07 51 13 00-0011 SQ Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	36.69	
<i>For Up To 10, Add</i>	6.99	
<i>For >10 To 25, Add</i>	5.27	
07 51 13 00-0012 SQ Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	39.02	
<i>For Up To 10, Add</i>	7.11	
<i>For >10 To 25, Add</i>	5.39	
07 51 13 00-0013 SQ Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped.....	41.67	
<i>For Up To 10, Add</i>	7.24	
<i>For >10 To 25, Add</i>	5.52	
07 51 13 00-0014 SQ Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped.....	70.99	
<i>For Up To 10, Add</i>	8.71	
<i>For >10 To 25, Add</i>	6.99	
07 51 13 00-0015 SQ Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped.....	118.31	
<i>For Up To 10, Add</i>	11.08	
<i>For >10 To 25, Add</i>	9.36	
07 51 13 00-0016 SQ Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped.....	90.58	
<i>For Up To 10, Add</i>	10.18	
<i>For >10 To 25, Add</i>	8.30	
07 51 13 00-0017 Hot-Mopped, Built-Up Asphalt Roofing Flashing <small>(07 51 13 00-0009)</small>		
07 51 13 00-0018 SF Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped.....	2.11	
07 51 13 00-0019 Mechanically Fastened, Built-Up Asphalt Membrane Roofing <small>(07 51 13 00-0002)</small>		
<small>Note: Includes fasteners.</small>		
07 51 13 00-0020 Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets <small>(07 51 13 00-0019)</small>		
07 51 13 00-0021 SQ Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened.....	37.04	
<i>For Up To 10, Add</i>	4.43	
<i>For >10 To 25, Add</i>	3.57	
07 51 13 00-0022 SQ Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened.....	69.01	
<i>For Up To 10, Add</i>	6.03	
<i>For >10 To 25, Add</i>	5.17	
07 51 13 00-0023 SQ Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened.....	116.33	
<i>For Up To 10, Add</i>	8.39	
<i>For >10 To 25, Add</i>	7.53	
07 51 13 00-0024 Mechanically Fastened, Built-Up Asphalt Roofing Flashing <small>(07 51 13 00-0019)</small>		
07 51 13 00-0025 SF Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened.....	2.50	
07 51 13 00-0026 Asphalt Saturated Organic Felt <small>(07 51 13 00-0001)</small>		
07 51 13 00-0027 Cold Adhesive Applied, Asphalt Saturated Organic Felt <small>(07 51 13 00-0026)</small>		
<small>Note: Includes applying cold adhesive and embedding the felt.</small>		
07 51 13 00-0028 SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied.....	47.26	
<i>For Up To 10, Add</i>	7.52	
<i>For >10 To 25, Add</i>	5.80	
07 51 13 00-0029 SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied.....	53.26	
<i>For Up To 10, Add</i>	7.82	
<i>For >10 To 25, Add</i>	6.10	
07 51 13 00-0030 Hot-Mopped, Asphalt Saturated Organic Felt <small>(07 51 13 00-0026)</small>		
<small>Note: Includes mopping hot asphalt and embedding the felt.</small>		
07 51 13 00-0031 SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped.....	35.24	
<i>For Up To 10, Add</i>	6.92	
<i>For >10 To 25, Add</i>	5.20	
07 51 13 00-0032 SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped.....	41.24	
<i>For Up To 10, Add</i>	7.22	
<i>For >10 To 25, Add</i>	5.50	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0033			Mechanically Fastened, Asphalt Saturated Organic Felt (07 51 13 00-0026) Note: Includes fasteners.		
07 51 13 00-0034	SQ		15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened.....	17.62	
			For Up To 10, Add	3.46	
			For >10 To 25, Add	2.60	
07 51 13 00-0035	SQ		30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened.....	23.62	
			For Up To 10, Add	3.76	
			For >10 To 25, Add	2.90	
07 51 13 00-0036			Surfacing (07 51 13 00-0001)		
07 51 13 00-0037	SQ		400 LB/SQ Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat.....	79.77	
			For Up To 10, Add	16.89	
			For >10 To 25, Add	12.59	
07 51 13 00-0038	SQ		400 LB/SQ Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat.....	115.08	
			For Up To 10, Add	18.66	
			For >10 To 25, Add	14.36	
07 51 13 00-0039	CY		Gravel Roofing Ballast, Spread To Desired Thickness.....	90.91	
			Note: Excludes hot asphalt or cold adhesive.		
07 51 13 00-0040	SQ		Protective Polypropylene Fabric Mat, Loose Laid.....	26.02	
			Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.		
			For Up To 10, Add	3.01	
			For >10 To 25, Add	2.44	
07 51 13 00-0041	SQ		Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat.....	53.86	
			Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.		
			For Up To 10, Add	5.79	
			For >10 To 25, Add	4.76	
07 51 13 00-0042	SQ		Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat.....	48.02	
			Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.		
			For Up To 10, Add	5.50	
			For >10 To 25, Add	4.47	
07 51 13 00-0043	SQ		Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat.....	63.96	
			Note: Reflective coating for use over smooth-surfaced built-up roofs.		
			For Up To 10, Add	6.29	
			For >10 To 25, Add	5.26	
07 51 13 00-0044	SQ		100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat.....	64.48	
			Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
			For Up To 10, Add	6.32	
			For >10 To 25, Add	5.29	
			For Installation Over Granule Surfaced Asphalt Roof Systems, Add	18.88	
07 51 13 00-0045	SQ		100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat.....	66.62	
			Note: Bleed blocking coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
			For Up To 10, Add	6.43	
			For >10 To 25, Add	5.40	
			For Installation Over Granule Surfaced Asphalt Roof Systems, Add	19.58	
07 51 13 00-0046	SF		Ceramic Coated Roofing Granules, Hand Broadcast.....	1.12	
			Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0047	SF		Energy Star, Ceramic Coated Roofing Granules, Hand Broadcast.....	2.48	
			Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0048			Walkway Pads (07 51 13 00-0001) Note: Set in hot asphalt or cold adhesive.		
07 51 13 00-0049	LF		5/16" Thick, 32" Wide, Skid Resistant, SBS Modified Bitumen Walkway Pad.....	13.41	
07 51 13 00-0050	LF		1/2" Thick, 32" Wide, Skid Resistant, SBS Modified Bitumen Walkway Pad.....	15.92	
07 51 13 00-0051			Cant And Tapered Edge Strips (07 51 13 00-0001)		
07 51 13 00-0052	LF		2" x 2" Perlite Cant Strip.....	2.02	
07 51 13 00-0053	LF		3" x 3" Perlite Cant Strip.....	2.08	
07 51 13 00-0054	LF		4" x 4" Perlite Cant Strip.....	2.35	
07 51 13 00-0055	LF		3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally.....	2.15	
07 51 13 00-0056	LF		4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally.....	2.25	
07 51 13 00-0057	LF		1/2" x 6" Perlite Tapered Edge Strip.....	2.26	
07 51 13 00-0058	LF		1/2" x 12" Perlite Tapered Edge Strip.....	2.57	
07 51 13 00-0059	LF		1" x 12" Perlite Tapered Edge Strip.....	2.66	
07 51 13 00-0060	LF		1" x 24" Perlite Tapered Edge Strip.....	2.99	
07 51 13 00-0061	LF		1-1/2" x 12" Perlite Tapered Edge Strip.....	2.96	
07 51 13 00-0062	LF		1-1/2" x 18" Perlite Tapered Edge Strip.....	3.55	
07 51 13 00-0063	LF		1-1/2" x 24" Perlite Tapered Edge Strip.....	3.98	
07 51 13 00-0064			Asphalt Primer (07 51 13 00-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0065 SQ Asphalt Primer For Roofing Systems..... 18.20 Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.	18.20	
07 51 13 00-0066 Demolish Built-Up Roofing (07 51 13 00-0001) Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).		
07 51 13 00-0067 SQ Demolish Gravel/Slag Surfaced, Built Up Roofing System..... 182.72 For Up To 10, Add 45.17 For >10 To 25, Add 27.10	182.72 45.17 27.10	
07 51 13 00-0068 SQ Demolish Cap Sheet Surfaced, Built Up Roofing System..... 140.96 Note: Includes protective surfacing. For Up To 10, Add 34.84 For >10 To 25, Add 20.91	140.96 34.84 20.91	
07 51 13 00-0069 Roofing System Warranty (07 51 13 00-0001) Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.		
07 51 13 00-0070 EA Up To 70 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty..... 350.00	350.00	
07 51 13 00-0071 SQ >70 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty..... 5.00	5.00	
07 51 13 00-0072 EA Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty..... 400.00	400.00	
07 51 13 00-0073 SQ >50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty..... 8.00	8.00	
07 51 13 00-0074 EA Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty..... 550.00	550.00	
07 51 13 00-0075 SQ >50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty..... 11.00	11.00	
07 51 13 00-0076 Built-Up Roofing Components (Garland) (07 51 13) Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0077 Modified Cap Membranes (07 51 13 00-0076)		
07 51 13 00-0078 Modified Cap Membranes, Hot/Cold Applied (07 51 13 00-0077) Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0079 SQ Stressply® FR Mineral Dual Fiberglass Reinforced SBS-Modified Fiberglass Reinforced Membrane, Minimum 145 Mil..... 313.63	313.63	
07 51 13 00-0080 SQ Stressply® Plus Poly/Fiberglass Reinforced, Smooth SBS-Modified Membrane With Recycled Rubber, 105 Mil..... 219.96	219.96	
07 51 13 00-0081 SQ Stressply® Plus FR Mineral Poly/Fiberglass Reinforced SBS-Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil..... 272.29	272.29	
07 51 13 00-0082 SQ Stressply® E Eco-Responsible, Smooth SBS/SIS Membrane With High Recycled Content And Renewable Materials..... 282.96	282.96	
07 51 13 00-0083 SQ Stressply® E FR Mineral Eco-Responsible, SBS/SIS Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil..... 401.63	401.63	
07 51 13 00-0084 SQ Stressply® EUV SPF Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 SBS/SIS-Modified Membrane With Recycled Rubber, 160 Mil..... 442.96	442.96	
07 51 13 00-0085 SQ Versiply® 80 Dual Fiberglass Reinforced SBS-Modified Membrane, 80 Mil..... 183.75 Note: Low strength cap sheet for hot or cold modified systems used with gravel.	183.75	
07 51 13 00-0086 SQ Versiply® Mineral Dual Fiberglass Reinforced SBS-Modified Membrane, Minimum 145 Mil..... 232.29	232.29	
07 51 13 00-0087 SQ BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced SBS Modified Membrane, 140 Mil..... 178.96	178.96	
07 51 13 00-0088 Modified Cap Membranes, Self-Adhering (07 51 13 00-0077) Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.		
07 51 13 00-0089 SQ Stressply® SA FR Mineral SBS-Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil..... 277.96 Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.	277.96	
07 51 13 00-0090 Modified Cap Membranes, Torch-Applied (07 51 13 00-0077) Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0091 SQ Stressply® IV Dual Fiberglass Reinforced, Smooth SBS-Modified Membrane, Torch Applied, 180 Mil..... 342.96 Note: Smooth surfaced SBS torch modified top ply of torch system with gravel.	342.96	
07 51 13 00-0092 SQ Stressply® IV Mineral Dual Fiberglass Reinforced SBS-Modified Membrane, Torch Applied, Minimum 195 Mil..... 372.29	372.29	
07 51 13 00-0093 SQ Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface SBS-Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil..... 393.63	393.63	
07 51 13 00-0094 Modified Cap Membranes, Coal Tar Pitch Systems (07 51 13 00-0077) Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0095 SQ Millennium® Poly/Fiberglass Reinforced, Smooth SBS-Modified Coal Tar Membrane, Minimum 120 Mil..... 315.61	315.61	
07 51 13 00-0096 SQ Millennium® FR Mineral Poly/Fiberglass Reinforced SBS-Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil..... 498.96	498.96	
07 51 13 00-0097 SQ Millennium® Mineral Poly/Fiberglass Reinforced SBS-Modified Coal Tar Membrane, Minimum 160 Mil..... 406.96	406.96	
07 51 13 00-0098 Base Plys (07 51 13 00-0078) Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems.		
07 51 13 00-0099 SQ Flexbase® 120 Fiberglass Reinforced SBS-Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil..... 298.96	298.96	
07 51 13 00-0100 SQ Flexbase® 80 Fiberglass Reinforced SBS-Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil..... 175.96	175.96	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51	13 00-0101	SQ	HPR® Aqua Shield Styrene-Butadiene Rubber (SBR)-Modified Fiberglass Reinforced Self-Adhering Underlayment For Ice And Water Protection, 60 Mil.....	111.25	
07 51	13 00-0102	SQ	HPR® Glasbase Heavy Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil..... Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.	40.42	
07 51	13 00-0103	SQ	HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil..... Note: Inner ply felts for hot applied built up and modified BUR systems.	26.95	
07 51	13 00-0104	SQ	HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil.....	61.75	
07 51	13 00-0105	SQ	HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil.....	35.75	
07 51	13 00-0106	SQ	HPR® Tribase Premium Poly/Fiberglass Reinforced SBS-Modified Base Sheet, 60 Mil..... Note: Inner plies for cold applied modified, SBS modified, or 2 plies under cap sheet.	108.61	
07 51	13 00-0107	SQ	Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil.....	180.28	
07 51	13 00-0108	SQ	HPR® SA FR Base Sheet SBS Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil..... Note: Self adhering base ply for self adhering 2 ply system.	154.96	
07 51	13 00-0109	SQ	HPR® Torch Base Sheet Fiberglass Reinforced SBS-Modified Base Sheet Used As Base Ply For Torch Applied Membranes, 110 Mil..... Note: Torch base sheet used as base ply for torch applied system.	209.96	
07 51	13 00-0110	SQ	StressBase® 120 Fiberglass Reinforced SBS-Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil.....	156.75	
07 51	13 00-0111	SQ	StressBase® 80 Fiberglass Reinforced, Smooth SBS-Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil.....	130.42	
07 51	13 00-0112	LF	Garmesh® 6" SBS Coated Woven Fiberglass Reinforcing Fabric.....	2.50	
07 51	13 00-0113	SQ	Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems.....	33.85	
07 51	13 00-0114	SQ	Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems.....	31.45	
07 51	13 00-0115	LF	Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems.....	3.26	
07 51	13 00-0116	LF	Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems.....	2.37	
07 51	13 00-0117	LF	Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems.....	2.44	
07 51	13 00-0118	SQ	4873 HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications.....	68.45	
07 51	13 00-0119		Coatings And Mastics For Roof Installation, Restoration And Repairs <small>(07 51 13 00-0076)</small>		
07 51	13 00-0120	SQ	Water Based Roof Primer, GarlaPrime VOC Primer (1 GAL/SQ).....	27.16	
07 51	13 00-0121	SQ	All-Knight™ Primer Bleed Blocker For Asphalt And Coal Tar Roofs Used With White-Knight, Garla-Brite And Pyramic Roof Systems (0.5 GAL/SQ).....	38.76	
07 51	13 00-0122	SQ	Black-Knight® Primer (0.5 GAL/SQ).....	18.36	
07 51	13 00-0123	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply (1.5-2.0 GAL/SQ).....	72.56	
07 51	13 00-0124	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Flood Coat (4-5 GAL/SQ).....	175.78	
07 51	13 00-0125	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Restoration (6-8 GAL/SQ).....	280.60	
07 51	13 00-0126	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply (30 LB/SQ).....	90.64	
07 51	13 00-0127	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat (70 LB/SQ).....	202.20	
07 51	13 00-0128	SQ	Energizer® K Plus FR Cold Applied SBS Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat (3 GAL/SQ).....	81.98	
07 51	13 00-0129	SQ	Energizer® K Plus FR Cold Applied SBS Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration (6 GAL/SQ).....	158.61	
07 51	13 00-0130	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat (3 GAL/SQ).....	201.94	
07 51	13 00-0131	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration (6 GAL/SQ).....	398.62	
07 51	13 00-0132	SQ	Garlastic® KM Plus Premium Hot Applied, SEBS Modified Adhesive/Waterproof, Interply (25 LB/SQ).....	72.20	
07 51	13 00-0133	SQ	Garlastic® KM Plus Premium Hot Applied, SEBS Modified Adhesive/Waterproof, Flood Coat (60 LB/SQ).....	163.20	
07 51	13 00-0134	SQ	Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With SBS Sheets Only (2-3 GAL/SQ).....	228.63	
07 51	13 00-0135	SQ	Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With SBS Sheets Only (2.0-2.5 GAL/SQ).....	160.78	
07 51	13 00-0136	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply (25 LB/SQ).....	40.03	
07 51	13 00-0137	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat (60 LB/SQ).....	86.00	
07 51	13 00-0138	SQ	Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel (150 SF/Cartridge).....	70.73	
07 51	13 00-0139	SQ	Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers (150 SF/Cartridge).....	70.37	
07 51	13 00-0140	SQ	Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products (150-200 SF/GAL)..... Note: Adheres all insulation layers for cold systems.	31.22	
07 51	13 00-0141	SQ	Pyramic® White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required (1-1.5 GAL/SQ).....	56.92	
07 51	13 00-0142	SQ	Pyramic® Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System, Top Coat Required (1-1.5 GAL/SQ).....	56.36	
07 51	13 00-0143	LF	Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh (1 GAL/7 LF).....	9.21	
07 51	13 00-0144	SQ	Solex® White, Kynar Acrylic Topcoat Roof Coating Used With Pyramic Base Coat (0.5 GAL/SQ).....	108.36	
07 51	13 00-0145	SQ	Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric (2-2.5 GAL/SQ).....	159.09	
07 51	13 00-0146	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat (4-5 GAL/SQ).....	103.00	
07 51	13 00-0147	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Restoration (6-8 GAL/SQ).....	145.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0148 SQ Weatherking® Cold Applied Rubber Modified Asphalt Interply Adhesive For Slopes Up To 3:12, Interply (2.5 GAL/SQ).....	62.78	
07 51 13 00-0149 SQ Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System (2-3 GAL/SQ).....	150.69	
07 51 13 00-0150 SQ Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply (2.5 GAL/SQ).....	62.28	

Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.

07 52 Modified Bituminous Membrane Roofing (07 50)

07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing (07 52)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)

07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13 11)

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 13 11-0001)

07 52 13 11-0003 SQ 80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied.....	87.83
For Up To 10, Add	9.55
For >10 To 25, Add	7.83
07 52 13 11-0004 SQ 90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied.....	106.47
For Up To 10, Add	10.48
For >10 To 25, Add	8.76
07 52 13 11-0005 SQ 160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied.....	178.43
For Up To 10, Add	14.08
For >10 To 25, Add	12.36
07 52 13 11-0006 SQ 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	180.08
For Up To 10, Add	14.66
For >10 To 25, Add	12.77
07 52 13 11-0007 SQ 160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	120.62
For Up To 10, Add	11.68
For >10 To 25, Add	9.80
For Factory Applied White Reflective Surfacing, Add	52.56
07 52 13 11-0008 SQ 160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	139.47
For Up To 10, Add	12.63
For >10 To 25, Add	10.74
For Factory Applied White Reflective Surfacing, Add	52.56
07 52 13 11-0009 SQ 180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	190.82
For Up To 10, Add	15.19
For >10 To 25, Add	13.31
For Factory Applied White Reflective Surfacing, Add	52.56

07 52 13 11-0010 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing (07 52 13 11-0001)

07 52 13 11-0011 SF 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied.....	3.68
07 52 13 11-0012 SF 180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied.....	3.79
For Factory Applied White Reflective Surfacing, Add	0.53

07 52 13 13 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)

07 52 13 13-0001 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13 13)

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

07 52 13 13-0002 Torch-Applied, APP Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 13 13-0001)

07 52 13 13-0003 SQ 80 Mil, APP Modified Bitumen Base Sheet, Torch-Applied.....	59.62
For Up To 10, Add	6.85
For >10 To 25, Add	5.56
07 52 13 13-0004 SQ 90 Mil, APP Modified Bitumen Base Or Ply Sheet, Torch-Applied.....	78.26
For Up To 10, Add	7.78
For >10 To 25, Add	6.49
07 52 13 13-0005 SQ 150 Mil, APP Modified Bitumen Ply Sheet, Torch-Applied.....	87.01
For Up To 10, Add	8.22
For >10 To 25, Add	6.93
07 52 13 13-0006 SQ 160 Mil, APP Modified Bitumen Ply Sheet, Torch-Applied.....	91.78
For Up To 10, Add	8.46
For >10 To 25, Add	7.17

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0007	SQ		180 Mil, APP Modified Bitumen Ply Sheet, Torch-Applied.....	130.49	
			<i>For Up To 10, Add</i>	10.39	
			<i>For >10 To 25, Add</i>	9.10	
07 52 13 13-0008	SQ		150 Mil, Smooth Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	87.80	
			<i>For Up To 10, Add</i>	8.49	
			<i>For >10 To 25, Add</i>	7.13	
07 52 13 13-0009	SQ		160 Mil, Smooth Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	93.76	
			<i>For Up To 10, Add</i>	8.79	
			<i>For >10 To 25, Add</i>	7.42	
07 52 13 13-0010	SQ		180 Mil, Smooth Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	131.28	
			<i>For Up To 10, Add</i>	10.67	
			<i>For >10 To 25, Add</i>	9.30	
07 52 13 13-0011	SQ		160 Mil, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	91.55	
			<i>For Up To 10, Add</i>	8.68	
			<i>For >10 To 25, Add</i>	7.31	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 13 13-0012	SQ		170 Mil, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	97.34	
			<i>For Up To 10, Add</i>	8.97	
			<i>For >10 To 25, Add</i>	7.60	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 13 13-0013	SQ		160 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	111.53	
			<i>For Up To 10, Add</i>	9.68	
			<i>For >10 To 25, Add</i>	8.31	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 13 13-0014	SQ		170 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	113.26	
			<i>For Up To 10, Add</i>	9.77	
			<i>For >10 To 25, Add</i>	8.40	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 13 13-0015	SQ		180 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	161.75	
			<i>For Up To 10, Add</i>	12.19	
			<i>For >10 To 25, Add</i>	10.82	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 13 13-0016			Torch-Applied, APP Modified Bitumen Roofing Flashing (07 52 13 13-0001)		
07 52 13 13-0017	SF		150 Mil, Smooth Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....	1.52	
07 52 13 13-0018	SF		160 Mil, Smooth Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....	1.58	
07 52 13 13-0019	SF		180 Mil, Smooth Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....	1.95	
07 52 13 13-0020	SF		170 Mil, Granule Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....	1.62	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 13 13-0021	SF		170 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....	1.77	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 13 13-0022	SF		180 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....	2.26	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 13 14			Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)		
07 52 13 14-0001			Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13 14) Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.		
07 52 13 14-0002			Mechanically Fastened, APP Modified Bitumen Roofing Base And Ply Sheets (07 52 13 14-0001)		
07 52 13 14-0003	SQ		90 Mil, APP Modified Bitumen Base Or Ply Sheet, Mechanically Fastened.....	92.47	
			<i>For Up To 10, Add</i>	7.20	
			<i>For >10 To 25, Add</i>	6.34	
07 52 16			Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52) Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.		
07 52 16 11			Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)		
07 52 16 11-0001			Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16 11) Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.		
07 52 16 11-0002			Cold Adhesive Applied, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 11-0001)		
07 52 16 11-0003	SQ		50 Mil, SBS Modified Bitumen Base Sheet, Cold Adhesive Applied.....	69.59	
			<i>For Up To 10, Add</i>	8.64	
			<i>For >10 To 25, Add</i>	6.92	
07 52 16 11-0004	SQ		80 Mil, SBS Modified Bitumen Base Sheet, Cold Adhesive Applied.....	90.28	
			<i>For Up To 10, Add</i>	9.67	
			<i>For >10 To 25, Add</i>	7.95	
07 52 16 11-0005	SQ		90 Mil, SBS Modified Bitumen Base Sheet, Cold Adhesive Applied.....	92.95	
			<i>For Up To 10, Add</i>	9.81	
			<i>For >10 To 25, Add</i>	8.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0006 SQ 120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	125.95	
<i>For Up To 10, Add</i>	11.46	
<i>For >10 To 25, Add</i>	9.74	
07 52 16 11-0007 SQ 125 Mil, SBS Modified Bitumen Ply Sheet, Cold Adhesive Applied	159.35	
<i>For Up To 10, Add</i>	13.13	
<i>For >10 To 25, Add</i>	11.41	
07 52 16 11-0008 SQ 140 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	133.31	
<i>For Up To 10, Add</i>	12.32	
<i>For >10 To 25, Add</i>	10.43	
07 52 16 11-0009 SQ 150 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	136.90	
<i>For Up To 10, Add</i>	12.50	
<i>For >10 To 25, Add</i>	10.61	
07 52 16 11-0010 SQ 125 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	120.08	
<i>For Up To 10, Add</i>	11.66	
<i>For >10 To 25, Add</i>	9.77	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 11-0011 SQ 140 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	121.63	
<i>For Up To 10, Add</i>	11.73	
<i>For >10 To 25, Add</i>	9.85	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 11-0012 SQ 150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	135.95	
<i>For Up To 10, Add</i>	12.45	
<i>For >10 To 25, Add</i>	10.57	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 11-0013 SQ 160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	138.33	
<i>For Up To 10, Add</i>	12.57	
<i>For >10 To 25, Add</i>	10.68	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 11-0014 SQ 170 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	159.21	
<i>For Up To 10, Add</i>	13.61	
<i>For >10 To 25, Add</i>	11.73	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 11-0015 SQ 180 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	197.24	
<i>For Up To 10, Add</i>	15.51	
<i>For >10 To 25, Add</i>	13.63	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 11-0016 SQ 125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	122.67	
<i>For Up To 10, Add</i>	11.79	
<i>For >10 To 25, Add</i>	9.90	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 11-0017 SQ 140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	126.41	
<i>For Up To 10, Add</i>	11.97	
<i>For >10 To 25, Add</i>	10.09	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 11-0018 SQ 150 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	146.68	
<i>For Up To 10, Add</i>	12.99	
<i>For >10 To 25, Add</i>	11.10	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 11-0019 SQ 160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	147.16	
<i>For Up To 10, Add</i>	13.01	
<i>For >10 To 25, Add</i>	11.13	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 11-0020 SQ 170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	156.23	
<i>For Up To 10, Add</i>	13.46	
<i>For >10 To 25, Add</i>	11.58	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 11-0021 Cold Adhesive Applied, SBS Modified Bitumen Roofing Flashing <small>(07 52 16 11-0001)</small>		
07 52 16 11-0022 SF 150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	3.25	
07 52 16 11-0023 SF 125 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	3.08	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 11-0024 SF 140 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.10	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 11-0025 SF 160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.27	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 11-0026 SF 170 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.47	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 11-0027 SF 180 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.85	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 11-0028 SF 125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.11	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 11-0029 SF 140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.15	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 11-0030 SF 160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.35	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 11-0031 SF 170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.44	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 11-0032 SF 145 Mil, Aluminum Foil Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	4.19	
07 52 16 11-0033 SF 160 Mil, Copper Foil Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	6.87	

07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 52 16 12-0001	Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing ^(07 52 16 12) Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.	
07 52 16 12-0002	Hot-Mopped, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets ^(07 52 16 12-0001)	
07 52 16 12-0003	SQ 50 Mil, SBS Modified Bitumen Base Sheet, Hot-Mopped	57.57
	For Up To 10, Add	8.04
	For >10 To 25, Add	6.32
07 52 16 12-0004	SQ 80 Mil, SBS Modified Bitumen Base Sheet, Hot-Mopped	78.26
	For Up To 10, Add	9.07
	For >10 To 25, Add	7.35
07 52 16 12-0005	SQ 90 Mil, SBS Modified Bitumen Base Sheet, Hot-Mopped	80.93
	For Up To 10, Add	9.21
	For >10 To 25, Add	7.49
07 52 16 12-0006	SQ 120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Hot-Mopped.....	113.93
	For Up To 10, Add	10.86
	For >10 To 25, Add	9.14
07 52 16 12-0007	SQ 125 Mil, SBS Modified Bitumen Ply Sheet, Hot-Mopped.....	147.33
	For Up To 10, Add	12.53
	For >10 To 25, Add	10.81
07 52 16 12-0008	SQ 140 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	121.34
	For Up To 10, Add	11.72
	For >10 To 25, Add	9.84
07 52 16 12-0009	SQ 150 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	124.94
	For Up To 10, Add	11.90
	For >10 To 25, Add	10.02
07 52 16 12-0010	SQ 125 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	108.12
	For Up To 10, Add	11.06
	For >10 To 25, Add	9.17
	For Factory Applied White Reflective Surfacing, Add	52.56
07 52 16 12-0011	SQ 140 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	109.67
	For Up To 10, Add	11.14
	For >10 To 25, Add	9.25
	For Factory Applied White Reflective Surfacing, Add	52.56
07 52 16 12-0012	SQ 150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	123.98
	For Up To 10, Add	11.85
	For >10 To 25, Add	9.97
	For Factory Applied White Reflective Surfacing, Add	52.56
07 52 16 12-0013	SQ 160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	126.37
	For Up To 10, Add	11.97
	For >10 To 25, Add	10.09
	For Factory Applied White Reflective Surfacing, Add	52.56
07 52 16 12-0014	SQ 170 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	147.24
	For Up To 10, Add	13.01
	For >10 To 25, Add	11.13
	For Factory Applied White Reflective Surfacing, Add	52.56
07 52 16 12-0015	SQ 180 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	185.27
	For Up To 10, Add	14.92
	For >10 To 25, Add	13.03
	For Factory Applied White Reflective Surfacing, Add	52.56
07 52 16 12-0016	SQ 125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	110.70
	For Up To 10, Add	11.19
	For >10 To 25, Add	9.30
	For Factory Applied White Reflective Surfacing, Add	52.56
07 52 16 12-0017	SQ 140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	114.44
	For Up To 10, Add	11.37
	For >10 To 25, Add	9.49
	For Factory Applied White Reflective Surfacing, Add	52.56
07 52 16 12-0018	SQ 150 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	134.72
	For Up To 10, Add	12.39
	For >10 To 25, Add	10.50
	For Factory Applied White Reflective Surfacing, Add	52.56
07 52 16 12-0019	SQ 160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	135.19
	For Up To 10, Add	12.41
	For >10 To 25, Add	10.53
	For Factory Applied White Reflective Surfacing, Add	52.56
07 52 16 12-0020	SQ 170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	144.26
	For Up To 10, Add	12.87
	For >10 To 25, Add	10.98
	For Factory Applied White Reflective Surfacing, Add	52.56
07 52 16 12-0021	Hot-Mopped, SBS Modified Bitumen Roofing Flashing ^(07 52 16 12-0001)	
07 52 16 12-0022	SF 150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	2.16
07 52 16 12-0023	SF 125 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	1.99
	For Factory Applied White Reflective Surfacing, Add	0.53
07 52 16 12-0024	SF 140 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.01
	For Factory Applied White Reflective Surfacing, Add	0.53
07 52 16 12-0025	SF 150 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.15
	For Factory Applied White Reflective Surfacing, Add	0.53
07 52 16 12-0026	SF 160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.17
	For Factory Applied White Reflective Surfacing, Add	0.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0027 SF 170 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped <i>For Factory Applied White Reflective Surfacing, Add</i>	2.38 0.53	
07 52 16 12-0028 SF 180 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped <i>For Factory Applied White Reflective Surfacing, Add</i>	2.76 0.53	
07 52 16 12-0029 SF 125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped <i>For Factory Applied White Reflective Surfacing, Add</i>	2.02 0.53	
07 52 16 12-0030 SF 140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped <i>For Factory Applied White Reflective Surfacing, Add</i>	2.05 0.53	
07 52 16 12-0031 SF 160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped <i>For Factory Applied White Reflective Surfacing, Add</i>	2.22 0.53	
07 52 16 12-0032 SF 170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped <i>For Factory Applied White Reflective Surfacing, Add</i>	2.35 0.53	
07 52 16 12-0033 SF 145 Mil, Aluminum Foil Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	3.09	
07 52 16 12-0034 SF 160 Mil, Copper Foil Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	5.78	

07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 13-0001 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing <small>(07 52 16 13)</small> Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.		
07 52 16 13-0002 Torch-Applied, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 16 13-0001)</small>		
07 52 16 13-0003 SQ 120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Torch-Applied <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	103.71 9.06 7.77	
07 52 16 13-0004 SQ 150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i> <i>For Factory Applied White Reflective Surfacing, Add</i>	92.93 8.75 7.38 52.56	
07 52 16 13-0005 SQ 160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i> <i>For Factory Applied White Reflective Surfacing, Add</i>	106.52 9.43 8.06 52.56	
07 52 16 13-0006 SQ 180 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i> <i>For Factory Applied White Reflective Surfacing, Add</i>	168.17 12.51 11.14 52.56	
07 52 16 13-0007 SQ 150 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i> <i>For Factory Applied White Reflective Surfacing, Add</i>	96.81 8.94 7.58 52.56	
07 52 16 13-0008 SQ 160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i> <i>For Factory Applied White Reflective Surfacing, Add</i>	112.85 9.75 8.38 52.56	
07 52 16 13-0009 SQ 165 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i> <i>For Factory Applied White Reflective Surfacing, Add</i>	117.94 10.00 8.63 52.56	
07 52 16 13-0010 SQ 180 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i> <i>For Factory Applied White Reflective Surfacing, Add</i>	155.36 11.87 10.50 52.56	
07 52 16 13-0011 Torch-Applied, SBS Modified Bitumen Roofing Flashing <small>(07 52 16 13-0001)</small>		
07 52 16 13-0012 SF 150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	1.72	
07 52 16 13-0013 SF 150 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied <i>For Factory Applied White Reflective Surfacing, Add</i>	1.71 0.53	
07 52 16 13-0014 SF 180 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied <i>For Factory Applied White Reflective Surfacing, Add</i>	2.32 0.53	
07 52 16 13-0015 SF 160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied <i>For Factory Applied White Reflective Surfacing, Add</i>	1.78 0.53	
07 52 16 13-0016 SF 165 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied <i>For Factory Applied White Reflective Surfacing, Add</i>	1.82 0.53	
07 52 16 13-0017 SF 180 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied <i>For Factory Applied White Reflective Surfacing, Add</i>	2.20 0.53	
07 52 16 13-0018 SF 150 Mil, Aluminum Foil Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.28	
07 52 16 13-0019 SF 160 Mil, Copper Foil Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	5.34	

07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 14-0001 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing <small>(07 52 16 14)</small> Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.	
07 52 16 14-0002 Mechanically Fastened, SBS Modified Bitumen Roofing Base And Ply Sheets <small>(07 52 16 14-0001)</small>	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 14-0003	SQ		35 Mil, SBS Modified Bitumen Ply Sheet, Mechanically Fastened.....	71.91	
			<i>For Up To 10, Add</i>	6.17	
			<i>For >10 To 25, Add</i>	5.31	
07 52 16 14-0004	SQ		50 Mil, SBS Modified Bitumen Base Sheet, Mechanically Fastened.....	55.59	
			<i>For Up To 10, Add</i>	5.36	
			<i>For >10 To 25, Add</i>	4.50	
07 52 16 14-0005	SQ		80 Mil, SBS Modified Bitumen Base Sheet, Mechanically Fastened.....	71.66	
			<i>For Up To 10, Add</i>	6.16	
			<i>For >10 To 25, Add</i>	5.30	
07 52 16 14-0006	SQ		90 Mil, SBS Modified Bitumen Base Sheet, Mechanically Fastened.....	89.41	
			<i>For Up To 10, Add</i>	7.05	
			<i>For >10 To 25, Add</i>	6.19	
07 52 16 14-0007	SQ		120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Mechanically Fastened.....	111.95	
			<i>For Up To 10, Add</i>	8.17	
			<i>For >10 To 25, Add</i>	7.32	
07 52 16 14-0008			Mechanically Fastened, SBS Modified Bitumen Roofing Flashing (07 52 16 14-0001)		
07 52 16 14-0009	SF		150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Mechanically Fastened.....	1.47	
07 52 16 14-0010	SF		160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Mechanically Fastened.....	1.50	
07 52 16 15			Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)		
07 52 16 15-0001			Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16 15)		
			Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.		
07 52 16 15-0002			Self-Adhering, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 15-0001)		
07 52 16 15-0003	SQ		60 Mil, SBS Modified Bitumen Base Sheet, Self-Adhering	58.11	
			<i>For Up To 10, Add</i>	6.00	
			<i>For >10 To 25, Add</i>	4.97	
07 52 16 15-0004	SQ		70 Mil, SBS Modified Bitumen Base Sheet, Self-Adhering	61.49	
			<i>For Up To 10, Add</i>	6.17	
			<i>For >10 To 25, Add</i>	5.14	
07 52 16 15-0005	SQ		120 Mil, SBS Modified Bitumen Base Sheet, Self-Adhering	102.94	
			<i>For Up To 10, Add</i>	8.48	
			<i>For >10 To 25, Add</i>	7.37	
07 52 16 15-0006	SQ		150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Self-Adhering.....	122.76	
			<i>For Up To 10, Add</i>	9.47	
			<i>For >10 To 25, Add</i>	8.36	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 15-0007	SQ		160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Self-Adhering.....	181.21	
			<i>For Up To 10, Add</i>	12.39	
			<i>For >10 To 25, Add</i>	11.28	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 15-0008			Self-Adhering, SBS Modified Bitumen Roofing Flashing (07 52 16 15-0001)		
07 52 16 15-0009	SF		70 Mil, SBS Modified Bitumen Flashing, Self-Adhering	1.70	
07 52 16 15-0010	SF		150 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Self-Adhering	1.90	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 15-0011	SF		160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Self-Adhering	2.48	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 53			Elastomeric Membrane Roofing (07 50)		
			Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.		
07 53 16			Chlorosulfonate-Polyethylene Roofing (07 53)		
07 53 16 00-0001			Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes (07 53 16)		
			Note: Includes hot air welding or adhesive bonding of seams.		
07 53 16 00-0002	SQ		45 Mil, Single Ply CSPE Roofing Membrane, Fully Adhered	236.05	41.76
			Note: Includes adhesive.		
			<i>For Up To 10, Add</i>	36.58	
			<i>For >10 To 25, Add</i>	28.32	
			<i>For 15 Year Warranty, Add</i>	3.00	
07 53 16 00-0003	SQ		45 Mil, Single Ply CSPE Roofing Membrane, Ballasted.....	168.76	20.89
			Note: Includes ballast.		
			<i>For Up To 10, Add</i>	20.83	
			<i>For >10 To 25, Add</i>	16.70	
			<i>For 15 Year Warranty, Add</i>	3.00	
07 53 16 00-0004	SQ		45 Mil, Single Ply CSPE Roofing Membrane, Mechanically Fastened.....	181.75	31.32
			Note: Includes fasteners.		
			<i>For Up To 10, Add</i>	27.67	
			<i>For >10 To 25, Add</i>	21.48	
			<i>For 15 Year Warranty, Add</i>	3.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 53 23 Ethylene-Propylene-Diene-Monomer Roofing (07 53)

07 53 23 00-0001			Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes <small>(07 53 23)</small> Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).		
07 53 23 00-0002	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted.....	127.07	20.89
			Note: Includes ballast.		
			For Up To 10, Add	18.74	
			For >10 To 25, Add	14.61	
			For 15 Year Warranty, Add	3.00	
			For Low Slope Fire Rated, Add	4.22	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.36	
07 53 23 00-0003	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted.....	143.13	22.19
			Note: Includes ballast.		
			For Up To 10, Add	20.32	
			For >10 To 25, Add	15.93	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.22	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.36	
07 53 23 00-0004	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted.....	215.54	23.49
			Note: Includes ballast.		
			For Up To 10, Add	24.72	
			For >10 To 25, Add	20.07	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.22	
07 53 23 00-0005	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%).....	149.97	31.32
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	26.08	
			For >10 To 25, Add	19.89	
			For 15 Year Warranty, Add	3.00	
			For Low Slope Fire Rated, Add	4.22	
			For Low VOC Adhesive, Add	18.93	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.36	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	40.30	
			For Integral Polyester Fleece-Backing, Add	58.95	
07 53 23 00-0006	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%).....	166.02	32.63
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	27.66	
			For >10 To 25, Add	21.21	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.22	
			For Low VOC Adhesive, Add	18.93	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.36	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	40.30	
			For Integral Polyester Fleece-Backing, Add	65.15	
07 53 23 00-0007	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%).....	238.43	33.93
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	32.05	
			For >10 To 25, Add	25.34	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.22	
			For Low VOC Adhesive, Add	18.93	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	40.30	
			For Integral Polyester Fleece-Backing, Add	71.90	
07 53 23 00-0008	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	198.07	41.76
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	34.68	
			For >10 To 25, Add	26.42	
			For 15 Year Warranty, Add	3.00	
			For Low Slope Fire Rated, Add	4.22	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.36	
			For Low VOC Adhesive, Add	47.33	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	40.30	
			For Integral Polyester Fleece-Backing, Add	58.95	
07 53 23 00-0009	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	214.11	43.07
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	36.26	
			For >10 To 25, Add	27.74	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.22	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.36	
			For Low VOC Adhesive, Add	47.33	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	40.30	
			For Integral Polyester Fleece-Backing, Add	65.15	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 53 Elastomeric Membrane Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0010 SQ 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	286.52	44.38
Note: Includes adhesive and fasteners.		
For Up To 10, Add	40.65	
For >10 To 25, Add	31.88	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Low Slope Fire Rated, Add	4.22	
For Low VOC Adhesive, Add	47.33	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	40.30	
For Integral Polyester Fleece-Backing, Add	71.90	
07 53 23 00-0011 SQ 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	139.95	31.32
Note: Includes fasteners.		
For Up To 10, Add	25.58	
For >10 To 25, Add	19.39	
For 15 Year Warranty, Add	3.00	
For Low Slope Fire Rated, Add	4.22	
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.36	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	40.30	
07 53 23 00-0012 SQ 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	156.00	32.63
Note: Includes fasteners.		
For Up To 10, Add	27.16	
For >10 To 25, Add	20.70	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Low Slope Fire Rated, Add	4.22	
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.36	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	40.30	
07 53 23 00-0013 SQ 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	228.41	33.93
Note: Includes fasteners.		
For Up To 10, Add	31.55	
For >10 To 25, Add	24.84	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Low Slope Fire Rated, Add	4.22	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	40.30	
07 53 23 00-0014 Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane		
Accessories (07 53 23)		
07 53 23 00-0015 SQ Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat	35.15	
For Up To 10, Add	4.85	
For >10 To 25, Add	3.82	
07 53 23 00-0016 SQ Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price		
Per Coat	36.38	
Note: 55% solids by volume.		
For Up To 10, Add	4.92	
For >10 To 25, Add	3.88	
07 53 23 00-0017 EA Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	21.92	4.96
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0018 EA >4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot	31.67	4.96
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0019 EA >8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot	59.81	4.96
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0020 EA 6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket.....	79.45	5.48
Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 53 23 00-0021 LF 30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad.....	17.15	3.02
Note: Includes factory installed peel and stick adhesive tape.		
07 53 23 00-0022 SF Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing	3.21	0.78
07 53 23 00-0023 SF Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing	3.98	1.17
07 53 29 Polyisobutylene Roofing (07 53)		
07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes (07 53 29)		
Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.		
07 53 29 00-0002 SQ 100 Mil, Single Ply PIB Roofing Membrane, Ballasted.....	257.42	23.49
Note: Includes ballast.		
For Up To 10, Add	26.81	
For >10 To 25, Add	22.16	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
07 53 29 00-0003 SQ 100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%).....	286.42	33.93
Note: Includes adhesive.		
For Up To 10, Add	34.45	
For >10 To 25, Add	27.74	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 29 00-0004 SQ 100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered	343.70	44.38
Note: Includes adhesive.		
<i>For Up To 10, Add</i>	43.51	
<i>For >10 To 25, Add</i>	34.74	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	6.00	
<i>For 25 Year Warranty, Add</i>	8.00	
07 54 Thermoplastic Membrane Roofing (07 50)		
Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.		
07 54 19 Polyvinyl-Chloride Roofing (07 54)		
07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (07 54 19)		
Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.		
07 54 19 00-0002 SQ 48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	161.23	20.89
Note: Includes ballast.		
<i>For Up To 10, Add</i>	20.45	
<i>For >10 To 25, Add</i>	16.32	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For Colors, Add</i>	26.00	
<i>For Integral Polyester Fleece-Backing, Add</i>	40.70	
07 54 19 00-0003 SQ 60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	185.13	22.19
Note: Includes ballast.		
<i>For Up To 10, Add</i>	22.42	
<i>For >10 To 25, Add</i>	18.03	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	6.00	
<i>For 25 Year Warranty, Add</i>	8.00	
<i>For Colors, Add</i>	26.00	
<i>For Integral Polyester Fleece-Backing, Add</i>	40.70	
07 54 19 00-0004 SQ 72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	213.64	22.84
Note: Includes ballast.		
<i>For Up To 10, Add</i>	24.23	
<i>For >10 To 25, Add</i>	19.72	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	6.00	
<i>For 25 Year Warranty, Add</i>	8.00	
<i>For Colors, Add</i>	26.00	
<i>For Integral Polyester Fleece-Backing, Add</i>	40.70	
07 54 19 00-0005 SQ 80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	226.76	23.49
Note: Includes ballast.		
<i>For Up To 10, Add</i>	25.28	
<i>For >10 To 25, Add</i>	20.63	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	6.00	
<i>For 25 Year Warranty, Add</i>	8.00	
<i>For Colors, Add</i>	26.00	
<i>For Integral Polyester Fleece-Backing, Add</i>	40.70	
07 54 19 00-0006 SQ 48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered.....	215.04	41.76
Note: Includes adhesive.		
<i>For Up To 10, Add</i>	35.53	
<i>For >10 To 25, Add</i>	27.27	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For Colors, Add</i>	26.00	
<i>For Low VOC Adhesive, Add</i>	33.61	
<i>For Integral Polyester Fleece-Backing, Add</i>	40.70	
07 54 19 00-0007 SQ 60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered.....	238.94	43.07
Note: Includes adhesive.		
<i>For Up To 10, Add</i>	37.50	
<i>For >10 To 25, Add</i>	28.98	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	6.00	
<i>For 25 Year Warranty, Add</i>	8.00	
<i>For Colors, Add</i>	26.00	
<i>For Low VOC Adhesive, Add</i>	33.61	
<i>For Integral Polyester Fleece-Backing, Add</i>	40.70	
07 54 19 00-0008 SQ 72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered.....	267.44	43.72
Note: Includes adhesive.		
<i>For Up To 10, Add</i>	39.31	
<i>For >10 To 25, Add</i>	30.66	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	6.00	
<i>For 25 Year Warranty, Add</i>	8.00	
<i>For Colors, Add</i>	26.00	
<i>For Low VOC Adhesive, Add</i>	33.61	
<i>For Integral Polyester Fleece-Backing, Add</i>	40.70	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0009	SQ		80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered.....	280.57	44.38
			Note: Includes adhesive.		
			For Up To 10, Add	40.35	
			For >10 To 25, Add	31.58	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	33.61	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0010	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	170.10	31.32
			Note: Includes fasteners.		
			For Up To 10, Add	27.09	
			For >10 To 25, Add	20.89	
			For 15 Year Warranty, Add	3.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0011	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	194.00	32.63
			Note: Includes fasteners.		
			For Up To 10, Add	29.06	
			For >10 To 25, Add	22.60	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0012	SQ		72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	222.50	33.29
			Note: Includes fasteners.		
			For Up To 10, Add	30.87	
			For >10 To 25, Add	24.29	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0013	SQ		80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	235.63	33.93
			Note: Includes fasteners.		
			For Up To 10, Add	31.91	
			For >10 To 25, Add	25.20	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0014			Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories (07 54 19)		
07 54 19 00-0015	SQ		Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat.....	35.15	
			For Up To 10, Add	4.85	
			For >10 To 25, Add	3.82	
07 54 19 00-0016	SQ		Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat.....	36.38	
			Note: 55% solids by volume.		
			For Up To 10, Add	4.92	
			For >10 To 25, Add	3.88	
07 54 19 00-0017	EA		Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	36.84	4.44
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0018	EA		>3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	51.89	4.96
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0019	EA		>7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	66.48	5.48
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0020	EA		6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket.....	84.79	5.48
			Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 19 00-0021	LF		36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad.....	14.63	3.02
07 54 19 00-0022	SF		Polyvinyl Chloride (PVC) Membrane Base Flashing.....	3.85	0.78
07 54 19 00-0023	SF		Polyvinyl Chloride (PVC) Membrane Curb Flashing.....	4.62	1.17
07 54 19 00-0024	SF		Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing.....	5.26	0.78
			Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.		

07 54 23 Thermoplastic-Polyolefin Roofing (07 54)**07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes** (07 54 23)

07 54 23 00-0002	SQ		45 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	190.83	41.76
			Note: Includes adhesive.		
			For Up To 10, Add	34.32	
			For >10 To 25, Add	26.06	
			For 15 Year Warranty, Add	3.00	
			For Low VOC Adhesive, Add	47.33	
			For Integral Polyester Fleece-Backing, Add	33.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0003 SQ 60 Mil, Single Ply TPO Roofing Membrane, Fully Adhered Note: Includes adhesive.	204.04	43.07
<i>For Up To 10, Add</i>	35.75	
<i>For >10 To 25, Add</i>	27.24	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	6.00	
<i>For 25 Year Warranty, Add</i>	8.00	
<i>For Low VOC Adhesive, Add</i>	47.33	
<i>For Integral Polyester Fleece-Backing, Add</i>	33.25	
07 54 23 00-0004 SQ 80 Mil, Single Ply TPO Roofing Membrane, Fully Adhered Note: Includes adhesive.	261.09	44.38
<i>For Up To 10, Add</i>	39.38	
<i>For >10 To 25, Add</i>	30.60	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	6.00	
<i>For 25 Year Warranty, Add</i>	8.00	
<i>For Low VOC Adhesive, Add</i>	47.33	
<i>For Integral Polyester Fleece-Backing, Add</i>	33.25	
07 54 23 00-0005 SQ 45 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	128.72	31.32
<i>For Up To 10, Add</i>	25.02	
<i>For >10 To 25, Add</i>	18.82	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For Integral Polyester Fleece-Backing, Add</i>	33.25	
07 54 23 00-0006 SQ 60 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	141.92	32.63
<i>For Up To 10, Add</i>	26.45	
<i>For >10 To 25, Add</i>	20.00	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	6.00	
<i>For 25 Year Warranty, Add</i>	8.00	
<i>For Integral Polyester Fleece-Backing, Add</i>	33.25	
07 54 23 00-0007 SQ 80 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	198.97	33.93
<i>For Up To 10, Add</i>	30.08	
<i>For >10 To 25, Add</i>	23.37	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	6.00	
<i>For 25 Year Warranty, Add</i>	8.00	
<i>For Integral Polyester Fleece-Backing, Add</i>	33.25	
07 54 23 00-0008 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories (07 54 23)		
07 54 23 00-0009 SQ Acrylic, TPO Roofing Primer, Price Per Coat..... <i>For Up To 10, Add</i>	41.94	
<i>For >10 To 25, Add</i>	5.19	
<i>For Tan Or Gray Color, Add</i>	4.16	
07 54 23 00-0010 SQ Acrylic Elastomeric, Surface Or Base Coating For TPO Roofing, Price Per Coat..... Note: 55% solids by volume.	36.38	
<i>For Up To 10, Add</i>	4.92	
<i>For >10 To 25, Add</i>	3.88	
<i>For Tan Or Gray Color, Add</i>	1.30	
07 54 23 00-0011 EA Up To 3" Pipe Diameter, Prefabricated TPO Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	31.65	4.44
07 54 23 00-0012 EA >3" To 8" Pipe Diameter, Prefabricated TPO Pipe Cone/Boot..... Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	34.14	4.96
07 54 23 00-0013 EA 6" Diameter, Prefabricated TPO Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	63.18	5.48
07 54 23 00-0014 LF 30" Wide, TPO Walkway Protection Pad	14.44	3.02
07 54 23 00-0015 SF TPO Membrane Base Flashing.....	4.02	0.78
07 54 23 00-0016 SF TPO Curb Flashing	3.39	0.78
<i>For Tan Or Gray Color, Add</i>	0.05	
07 54 23 00-0017 SF TPO Clad Edge Metal Or Base Flashing	5.98	0.78
Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.		
07 56 Fluid-Applied Roofing (07 50)		
07 56 00 00-0001 Neoprene Hypalon Liquid Roofing, 5 Coats (07 56)		
07 56 00 00-0002 SQ 60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing <i>For Each Additional Coat, Add</i>	651.21	69.61
<i>For Each Additional Coat, Add</i>	97.68	
07 56 00 00-0003 Vinyl Spray Liquid Roofing (07 56)		
07 56 00 00-0004 SQ 2 Mil Vinyl Liquid Roofing.....	600.33	73.36
07 56 00 00-0005 SQ 4 Mil Vinyl Liquid Roofing.....	671.83	81.92
07 56 00 00-0006 Silicone Elastomeric Liquid Roofing (07 56)		
07 56 00 00-0007 SQ 65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat.....	220.76	42.03
07 56 00 00-0008 SQ 65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat.....	261.50	42.03
07 56 00 00-0009 SQ 65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat.....	292.13	42.03

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 56 Fluid-Applied Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 56 00 00-0010			Elastomeric Asphalt/Urethane Liquid Roofing Membrane (07 56)		
07 56 00 00-0011	SQ		90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane .....740.46 Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 60 mil second coat.	740.46	42.03
07 56 00 00-0012			Urethane Liquid Roofing Membrane (07 56)		
			Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.		
07 56 00 00-0013	SQ		Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....41.93	41.93	
07 56 00 00-0014	LF		Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....2.44	2.44	
07 56 00 00-0015	SQ		White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ).....196.98	196.98	
07 56 00 00-0016	SQ		White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System (0.25 GAL/SQ).....40.54	40.54	
07 56 00 00-0017	SQ		White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ).....234.18	234.18	
07 56 00 00-0018	SQ		White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply (0.5 GAL/SQ).....63.96	63.96	
07 56 00 00-0019	SQ		White-Knight® WC Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ).....246.98	246.98	
07 56 00 00-0020	SQ		White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ).....239.78	239.78	
07 58			Roll Roofing (07 50)		
07 58 00 00-0001			Prepared Roll Roofing (07 58)		
			Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.		
07 58 00 00-0002	SQ		Granule Surfaced, 90 LB, Asphalt Saturated Organic Felt Roll Roofing .....106.68	106.68	16.27
07 59			Membrane Roofing Accessories (07 50)		
07 59 00 00-0001			Membrane Roofing Accessories (07 59)		
07 59 00 00-0002	LF		Roofing Membrane Termination Bar.....2.43 Note: Includes fasteners and caulking.	2.43	0.75
07 60			Flashing And Sheet Metal (07)		
			Note: Includes placement of materials on roof up to 2-1/2 stories.		
07 62			Sheet Metal Flashing And Trim (07 60)		
07 62 00 00-0001			Lead Flashing And Trim (07 62)		
07 62 00 00-0002	SF		2.5 LB/SF Sheet Lead Flashing .....15.51	15.51	3.15
07 62 00 00-0003	SF		4 LB/SF Sheet Lead Flashing .....20.32	20.32	3.15
07 62 00 00-0004			Copper Flashing And Trim (07 62)		
07 62 00 00-0005			Copper Flashing And Trim (07 62 00 00-0004)		
07 62 00 00-0006	SF		16 Ounce, 0.021" Thick, Copper Flashing And Trim.....14.05 For >500 To 2,000, Deduct -1.95 For >2,000, Deduct -2.35 For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add 1.22 For Wrap Around Window Panning, Add 6.09	14.05	3.08
07 62 00 00-0007	SF		20 Ounce, 0.027" Thick, Copper Flashing And Trim.....14.53 For >500 To 2,000, Deduct -2.02 For >2,000, Deduct -2.42 For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add 1.27 For Wrap Around Window Panning, Add 6.37	14.53	3.15
07 62 00 00-0008	SF		24 Ounce, 0.032" Thick, Copper Flashing And Trim.....16.46 For >500 To 2,000, Deduct -2.27 For >2,000, Deduct -2.76 For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add 1.33 For Wrap Around Window Panning, Add 6.67	16.46	3.37
07 62 00 00-0009	SF		32 Ounce, 0.043" Thick, Copper Flashing And Trim.....20.05 For >500 To 2,000, Deduct -2.75 For >2,000, Deduct -3.40 For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add 1.40 For Wrap Around Window Panning, Add 7.00	20.05	3.51
07 62 00 00-0010			Stainless Steel Flashing And Trim (07 62)		
07 62 00 00-0011			Stainless Steel Flashing And Trim (07 62 00 00-0010)		
07 62 00 00-0012	SF		32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim.....6.79 For Wrap Around Window Panning, Add 4.32 For Mechanically Keyed Flashing, Add 0.99	6.79	1.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 00 00-0013 SF 28 Gauge, 0.015" Thick, Stainless Steel Flashing And Trim..... <i>For Wrap Around Window Panning, Add</i> <i>For Mechanically Keyed Flashing, Add</i>	8.02 4.32 1.48	1.97
07 62 00 00-0014 SF 26 Gauge, 0.018" Thick, Stainless Steel Flashing And Trim..... <i>For Wrap Around Window Panning, Add</i> <i>For Mechanically Keyed Flashing, Add</i>	9.23 4.61 1.85	2.31
07 62 00 00-0015 SF 24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim..... <i>For Wrap Around Window Panning, Add</i> <i>For Mechanically Keyed Flashing, Add</i>	11.03 4.87 2.46	2.45
07 62 00 00-0016 Stainless Steel Drip Edge (07 62 00 00-0010) Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 00 00-0017 26 Gauge, Stainless Steel Drip Edge (07 62 00 00-0016)		
07 62 00 00-0018 LF Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge.....	4.01	0.54
07 62 00 00-0019 LF >5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge.....	4.98	0.54
07 62 00 00-0020 LF >7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge.....	5.71	0.54
07 62 00 00-0021 LF >9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge.....	6.92	0.54
07 62 00 00-0022 LF >12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge.....	8.87	0.54
07 62 00 00-0023 24 Gauge, Stainless Steel Drip Edge (07 62 00 00-0016)		
07 62 00 00-0024 LF Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge.....	4.92	0.54
07 62 00 00-0025 LF >5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge.....	6.20	0.54
07 62 00 00-0026 LF >7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge.....	7.17	0.54
07 62 00 00-0027 LF >9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge.....	8.76	0.54
07 62 00 00-0028 LF >12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge.....	11.31	0.54
07 62 00 00-0029 22 Gauge, Stainless Steel Drip Edge (07 62 00 00-0016)		
07 62 00 00-0030 LF Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge.....	6.00	0.54
07 62 00 00-0031 LF >5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge.....	7.64	0.54
07 62 00 00-0032 LF >7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge.....	8.87	0.54
07 62 00 00-0033 LF >9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge.....	10.92	0.54
07 62 00 00-0034 LF >12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge.....	14.19	0.54
07 62 00 00-0035 Aluminum Flashing And Trim (07 62)		
07 62 00 00-0036 Aluminum Flashing And Trim (07 62 00 00-0035)		
07 62 00 00-0037 SF 0.013" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	6.94 0.21 4.83	2.17
07 62 00 00-0038 SF 0.016" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	7.40 0.26 4.83	2.17
07 62 00 00-0039 SF 0.019" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	7.76 0.29 4.83	2.17
07 62 00 00-0040 SF 0.024" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	8.29 0.35 4.83	2.17
07 62 00 00-0041 SF 0.032" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	9.03 0.42 4.83	2.17
07 62 00 00-0042 SF 0.040" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	9.48 0.47 4.83	2.17
07 62 00 00-0043 SF 0.050" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	9.85 0.50 4.83	2.17
07 62 00 00-0044 Aluminum Drip Edge (07 62 00 00-0035) Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 00 00-0045 KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0044)		
07 62 00 00-0046 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0047 LF Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	2.83	0.54
07 62 00 00-0048 LF >5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	3.46	0.54
07 62 00 00-0049 LF >7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	3.83	0.54
07 62 00 00-0050 LF >9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	4.57	0.54
07 62 00 00-0051 LF >12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	5.89	0.54
07 62 00 00-0052 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0053 LF Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	3.04	0.54
07 62 00 00-0054 LF >5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	3.69	0.54
07 62 00 00-0055 LF >7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	4.18	0.54
07 62 00 00-0056 LF >9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	4.99	0.54
07 62 00 00-0057 LF >12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	6.29	0.54

07 Thermal And Moisture Protection**07 60 Flashing And Sheet Metal****07 62 Sheet Metal Flashing And Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 00 00-0058			0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0059	LF		Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	3.25	0.54
07 62 00 00-0060	LF		>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	3.97	0.54
07 62 00 00-0061	LF		>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	4.51	0.54
07 62 00 00-0062	LF		>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	5.41	0.54
07 62 00 00-0063	LF		>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	6.84	0.54
07 62 00 00-0064			0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0065	LF		Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	3.67	0.54
07 62 00 00-0066	LF		>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	4.52	0.54
07 62 00 00-0067	LF		>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	5.17	0.54
07 62 00 00-0068	LF		>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	6.24	0.54
07 62 00 00-0069	LF		>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	7.96	0.54
07 62 00 00-0070			0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0071	LF		Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	3.80	0.54
07 62 00 00-0072	LF		>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	4.73	0.54
07 62 00 00-0073	LF		>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	5.39	0.54
07 62 00 00-0074	LF		>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	6.52	0.54
07 62 00 00-0075	LF		>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	8.33	0.54
07 62 00 00-0076			0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0077	LF		Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	4.29	0.54
07 62 00 00-0078	LF		>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	5.36	0.54
07 62 00 00-0079	LF		>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	6.16	0.54
07 62 00 00-0080	LF		>9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	7.49	0.54
07 62 00 00-0081	LF		>12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	9.63	0.54
07 62 00 00-0082			0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0083	LF		Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	4.99	0.54
07 62 00 00-0084	LF		>5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	6.29	0.54
07 62 00 00-0085	LF		>7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	7.26	0.54
07 62 00 00-0086	LF		>9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	8.89	0.54
07 62 00 00-0087	LF		>12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	11.48	0.54
07 62 00 00-0088			0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0089	LF		Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	5.82	0.54
07 62 00 00-0090	LF		>5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	7.40	0.54
07 62 00 00-0091	LF		>7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	8.58	0.54
07 62 00 00-0092	LF		>9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	10.56	0.54
07 62 00 00-0093	LF		>12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	13.71	0.54
07 62 00 00-0094			Mill Finish, Aluminum Drip Edge (07 62 00 00-0044)		
07 62 00 00-0095			0.016" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
07 62 00 00-0096	LF		Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	2.29	0.54
07 62 00 00-0097	LF		>5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	2.72	0.54
07 62 00 00-0098	LF		>7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	2.98	0.54
07 62 00 00-0099	LF		>9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	3.49	0.54
07 62 00 00-0100	LF		>12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	4.40	0.54
07 62 00 00-0101			0.019" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
07 62 00 00-0102	LF		Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	2.43	0.54
07 62 00 00-0103	LF		>5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	2.88	0.54
07 62 00 00-0104	LF		>7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	3.22	0.54
07 62 00 00-0105	LF		>9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	3.78	0.54
07 62 00 00-0106	LF		>12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	4.67	0.54
07 62 00 00-0107			0.025" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
07 62 00 00-0108	LF		Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	2.58	0.54
07 62 00 00-0109	LF		>5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	3.07	0.54
07 62 00 00-0110	LF		>7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	3.45	0.54
07 62 00 00-0111	LF		>9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	4.07	0.54
07 62 00 00-0112	LF		>12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	5.06	0.54
07 62 00 00-0113			0.032" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
07 62 00 00-0114	LF		Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	2.87	0.54
07 62 00 00-0115	LF		>5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	3.46	0.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 00 00-0116 LF >7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	3.91	0.54
07 62 00 00-0117 LF >9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	4.64	0.54
07 62 00 00-0118 LF >12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	5.83	0.54
07 62 00 00-0119 0.040" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
07 62 00 00-0120 LF Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	2.96	0.54
07 62 00 00-0121 LF >5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	3.60	0.54
07 62 00 00-0122 LF >7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	4.06	0.54
07 62 00 00-0123 LF >9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	4.83	0.54
07 62 00 00-0124 LF >12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	6.08	0.54
07 62 00 00-0125 0.050" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
07 62 00 00-0126 LF Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	3.30	0.54
07 62 00 00-0127 LF >5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	4.03	0.54
07 62 00 00-0128 LF >7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	4.59	0.54
07 62 00 00-0129 LF >9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	5.51	0.54
07 62 00 00-0130 LF >12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	6.98	0.54
07 62 00 00-0131 0.063" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
07 62 00 00-0132 LF Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	3.78	0.54
07 62 00 00-0133 LF >5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	4.67	0.54
07 62 00 00-0134 LF >7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	5.35	0.54
07 62 00 00-0135 LF >9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	6.47	0.54
07 62 00 00-0136 LF >12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	8.26	0.54
07 62 00 00-0137 0.080" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
07 62 00 00-0138 LF Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	4.35	0.54
07 62 00 00-0139 LF >5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	5.44	0.54
07 62 00 00-0140 LF >7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	6.26	0.54
07 62 00 00-0141 LF >9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	7.62	0.54
07 62 00 00-0142 LF >12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	9.79	0.54
07 62 00 00-0143 Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0044)		
07 62 00 00-0144 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
07 62 00 00-0145 LF Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	2.93	0.54
07 62 00 00-0146 LF >5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	3.60	0.54
07 62 00 00-0147 LF >7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	3.99	0.54
07 62 00 00-0148 LF >9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.78	0.54
07 62 00 00-0149 LF >12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.18	0.54
07 62 00 00-0150 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
07 62 00 00-0151 LF Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	3.16	0.54
07 62 00 00-0152 LF >5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	3.84	0.54
07 62 00 00-0153 LF >7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.36	0.54
07 62 00 00-0154 LF >9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.22	0.54
07 62 00 00-0155 LF >12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.60	0.54
07 62 00 00-0156 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
07 62 00 00-0157 LF Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	3.38	0.54
07 62 00 00-0158 LF >5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.14	0.54
07 62 00 00-0159 LF >7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.72	0.54
07 62 00 00-0160 LF >9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.66	0.54
07 62 00 00-0161 LF >12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.19	0.54
07 62 00 00-0162 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
07 62 00 00-0163 LF Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	3.82	0.54
07 62 00 00-0164 LF >5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.73	0.54
07 62 00 00-0165 LF >7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.42	0.54
07 62 00 00-0166 LF >9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.55	0.54
07 62 00 00-0167 LF >12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.37	0.54
07 62 00 00-0168 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
07 62 00 00-0169 LF Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	3.97	0.54
07 62 00 00-0170 LF >5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.95	0.54
07 62 00 00-0171 LF >7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.65	0.54
07 62 00 00-0172 LF >9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.84	0.54
07 62 00 00-0173 LF >12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.76	0.54

07 Thermal And Moisture Protection**07 60 Flashing And Sheet Metal****07 62 Sheet Metal Flashing And Trim**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
07 62 00 00-0174		0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)			
07 62 00 00-0175	LF	Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.48		0.54
07 62 00 00-0176	LF	>5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.61		0.54
07 62 00 00-0177	LF	>7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.46		0.54
07 62 00 00-0178	LF	>9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.88		0.54
07 62 00 00-0179	LF	>12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	10.14		0.54
07 62 00 00-0180		0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)			
07 62 00 00-0181	LF	Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.22		0.54
07 62 00 00-0182	LF	>5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.60		0.54
07 62 00 00-0183	LF	>7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.63		0.54
07 62 00 00-0184	LF	>9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.35		0.54
07 62 00 00-0185	LF	>12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	12.11		0.54
07 62 00 00-0186		0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)			
07 62 00 00-0187	LF	Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.11		0.54
07 62 00 00-0188	LF	>5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.78		0.54
07 62 00 00-0189	LF	>7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.03		0.54
07 62 00 00-0190	LF	>9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	11.12		0.54
07 62 00 00-0191	LF	>12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	14.47		0.54
07 62 00 00-0192		Steel Flashing And Trim (07 62)			
07 62 00 00-0193		Galvanized Steel Flashing And Trim (07 62 00 00-0192)			
07 62 00 00-0194	SF	26 Gauge, Galvanized Steel Flashing.....	8.76		2.24
		<i>For Wrap Around Window Panning, Add</i>	4.87		
07 62 00 00-0195	SF	24 Gauge, Galvanized Steel Flashing.....	9.07		2.24
		<i>For Wrap Around Window Panning, Add</i>	4.87		
07 62 00 00-0196		Galvanized Steel Drip Edge (07 62 00 00-0192)			
		Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.			
07 62 00 00-0197		Galvanized Steel Drip Edge (07 62 00 00-0196)			
07 62 00 00-0198		26 Gauge, Galvanized Steel Drip Edge (07 62 00 00-0197)			
07 62 00 00-0199	LF	Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	2.64		0.54
07 62 00 00-0200	LF	>5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	3.17		0.54
07 62 00 00-0201	LF	>7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	3.55		0.54
07 62 00 00-0202	LF	>9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	4.19		0.54
07 62 00 00-0203	LF	>12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	5.22		0.54
07 62 00 00-0204		24 Gauge, Galvanized Steel Drip Edge (07 62 00 00-0197)			
07 62 00 00-0205	LF	Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	2.87		0.54
07 62 00 00-0206	LF	>5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	3.48		0.54
07 62 00 00-0207	LF	>7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	3.92		0.54
07 62 00 00-0208	LF	>9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	4.66		0.54
07 62 00 00-0209	LF	>12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	5.84		0.54
07 62 00 00-0210		KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 00 00-0196)			
07 62 00 00-0211		26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 00 00-0210)			
07 62 00 00-0212	LF	Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	3.34		0.54
07 62 00 00-0213	LF	>5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	4.11		0.54
07 62 00 00-0214	LF	>7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	4.65		0.54
07 62 00 00-0215	LF	>9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	5.59		0.54
07 62 00 00-0216	LF	>12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	7.08		0.54
07 62 00 00-0217		24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 00 00-0210)			
07 62 00 00-0218	LF	Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	3.68		0.54
07 62 00 00-0219	LF	>5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	4.56		0.54
07 62 00 00-0220	LF	>7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	5.19		0.54
07 62 00 00-0221	LF	>9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	6.26		0.54
07 62 00 00-0222	LF	>12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	7.98		0.54
07 63		Sheet Metal Roofing Specialties (07 60)			
07 63 00 00-0001		Pitch Pockets (07 63)			
		Note: Cut into deck, filled with non-shrink grout, includes blocking.			
07 63 00 00-0002		24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0003 EA 4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	42.77	
<i>For Pourable Sealer Filled, Add</i>	22.39	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	11.20	
07 63 00 00-0004 EA 6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	48.62	
<i>For Pourable Sealer Filled, Add</i>	50.39	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	25.21	
07 63 00 00-0005 EA 8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	55.86	
<i>For Pourable Sealer Filled, Add</i>	89.57	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	44.69	
07 63 00 00-0006 EA 8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	60.00	
<i>For Pourable Sealer Filled, Add</i>	111.96	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	56.03	
07 63 00 00-0007 EA 8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	63.69	
<i>For Pourable Sealer Filled, Add</i>	134.35	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	67.18	
07 63 00 00-0008 SF 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	70.01	
<i>For Pourable Sealer Filled, Add</i>	201.53	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	100.54	
07 63 00 00-0009 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)		
07 63 00 00-0010 EA 4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	66.07	
<i>For Pourable Sealer Filled, Add</i>	22.39	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	11.20	
07 63 00 00-0011 EA 6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	75.66	
<i>For Pourable Sealer Filled, Add</i>	50.39	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	25.21	
07 63 00 00-0012 EA 8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	87.74	
<i>For Pourable Sealer Filled, Add</i>	89.57	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	44.69	
07 63 00 00-0013 EA 8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	94.82	
<i>For Pourable Sealer Filled, Add</i>	111.96	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	56.03	
07 63 00 00-0014 EA 8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	99.83	
<i>For Pourable Sealer Filled, Add</i>	134.35	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	67.18	
07 63 00 00-0015 SF 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	108.62	
<i>For Pourable Sealer Filled, Add</i>	201.53	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	100.54	
07 63 00 00-0016 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)		
07 63 00 00-0017 EA 4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	54.18	
<i>For Pourable Sealer Filled, Add</i>	22.39	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	11.20	
07 63 00 00-0018 EA 6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	61.48	
<i>For Pourable Sealer Filled, Add</i>	50.39	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	25.21	
07 63 00 00-0019 EA 8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	67.47	
<i>For Pourable Sealer Filled, Add</i>	89.57	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	44.69	
07 63 00 00-0020 EA 8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	71.38	
<i>For Pourable Sealer Filled, Add</i>	111.96	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	56.03	
07 63 00 00-0021 EA 8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	74.77	
<i>For Pourable Sealer Filled, Add</i>	134.35	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	67.18	
07 63 00 00-0022 SF 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	80.35	
<i>For Pourable Sealer Filled, Add</i>	201.53	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	100.54	
07 63 00 00-0023 Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout (07 63 00 00-0001)		
Note: Includes removing existing filler and refilling with non-shrink grout.		
07 63 00 00-0024 EA Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout.....	33.57	
<i>For Pourable Sealer Filled, Add</i>	22.39	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	11.20	
07 63 00 00-0025 EA Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout.....	35.97	
<i>For Pourable Sealer Filled, Add</i>	50.39	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	25.21	
07 63 00 00-0026 EA Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout.....	38.91	
<i>For Pourable Sealer Filled, Add</i>	89.57	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	44.69	
07 63 00 00-0027 EA Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout.....	41.05	
<i>For Pourable Sealer Filled, Add</i>	111.96	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	56.03	
07 63 00 00-0028 EA Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout.....	43.19	
<i>For Pourable Sealer Filled, Add</i>	134.35	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	67.18	
07 63 00 00-0029 SF Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout.....	47.43	
<i>For Pourable Sealer Filled, Add</i>	201.53	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	100.54	

07 Thermal And Moisture Protection**07 60 Flashing And Sheet Metal****07 63 Sheet Metal Roofing Specialties**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**07 63 00 00-0030 Lead Pipe Flashing For Roofs (07 63)**

Note: Includes 6" skirt base.

07 63 00 00-0031	EA	1-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3/4" Pipe.....	64.11	18.50
07 63 00 00-0032	EA	1-1/2" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 1" Pipe.....	64.11	18.50
07 63 00 00-0033	EA	2-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 2" Pipe.....	79.30	18.50
07 63 00 00-0034	EA	3-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3" Pipe.....	87.98	18.50
07 63 00 00-0035	EA	4-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe.....	92.33	18.50
07 63 00 00-0036	EA	4-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 4" Pipe.....	94.50	18.50
07 63 00 00-0037	EA	6-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 6" Pipe.....	116.20	18.50
07 63 00 00-0038	EA	8-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 8" Pipe.....	125.97	18.50

07 63 00 00-0039 Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing (07 63)

07 63 00 00-0040	EA	2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	42.96	11.96
07 63 00 00-0041	EA	3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	43.49	11.96
07 63 00 00-0042	EA	4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	45.36	11.96
07 63 00 00-0043	EA	6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	54.73	11.96

07 65 Flexible Flashing (07 60)**07 65 16 Modified Bituminous Sheet Flashing (07 65)****07 65 16 00-0001 Liquid Flashing System For Modified And BUR Systems (07 65 16)**

See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.

07 65 16 00-0002	SF	60 Mil, Urethane Elastomer Liquid Applied Flashing.....	6.03	1.04
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Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 30 mil second coat.

07 65 19 Plastic Sheet Flashing (07 65)**07 65 19 00-0001 Plastic Flashing And Trim (07 65 19)****07 65 19 00-0002 Neoprene Flashing (07 65 19 00-0001)****07 65 19 00-0003 60 Mil Thick (07 65 19 00-0002)**

07 65 19 00-0004	LF	6" Wide Strip, 60 Mil, Neoprene Flashing.....	4.70	1.47
07 65 19 00-0005	LF	12" Wide Strip, 60 Mil, Neoprene Flashing.....	6.31	1.57
07 65 19 00-0006	LF	18" Wide Strip, 60 Mil, Neoprene Flashing.....	8.09	1.73
07 65 19 00-0007	LF	24" Wide Strip, 60 Mil, Neoprene Flashing.....	9.97	1.95

07 65 33 Plastic Flashing (07 65)**07 65 33 00-0001 Neoprene Roof Boot (07 65 33)**

07 65 33 00-0002	EA	Neoprene Roof Boot For 2" Diameter Pipe.....	20.45	4.50
07 65 33 00-0003	EA	Neoprene Roof Boot For 3" Diameter Pipe.....	24.00	5.04
07 65 33 00-0004	EA	Neoprene Roof Boot For 4" Diameter Pipe.....	26.63	5.42

07 70 Roof And Wall Specialties And Accessories (07)

Note: Includes placement of materials on roof up to 2-1/2 stories.

07 71 Roof Specialties (07 70)**07 71 13 Manufactured Copings (07 71)****07 71 13 00-0001 Galvanized Steel Copings (07 71 13)****07 71 13 00-0002 KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized****Steel Cleats (07 71 13 00-0001)**

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats.....	17.05	1.17
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats.....	17.98	1.27
07 71 13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats.....	20.51	1.34
07 71 13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats.....	23.82	1.47
07 71 13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats.....	28.81	1.53

07 71 13 00-0008 Aluminum Copings (07 71 13)**07 71 13 00-0009 Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-****0008)**

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0010			0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0009)</small>		
07 71 13 00-0011	LF		10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	13.52	1.17
07 71 13 00-0012	LF		>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	14.43	1.27
07 71 13 00-0013	LF		>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	16.83	1.34
07 71 13 00-0014	LF		>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	20.10	1.47
07 71 13 00-0015	LF		>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	24.99	1.53
07 71 13 00-0016			0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0009)</small>		
07 71 13 00-0017	LF		10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	14.68	1.17
07 71 13 00-0018	LF		>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	15.67	1.27
07 71 13 00-0019	LF		>16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	18.29	1.34
07 71 13 00-0020	LF		>22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	21.86	1.47
07 71 13 00-0021	LF		>30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	27.23	1.53
07 71 13 00-0022			0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0009)</small>		
07 71 13 00-0023	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	15.63	1.17
07 71 13 00-0024	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	16.77	1.27
07 71 13 00-0025	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	20.11	1.34
07 71 13 00-0026	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	25.12	1.47
07 71 13 00-0027	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	32.50	1.53
07 71 13 00-0028			KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0008)</small>		
			Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0029			0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small>		
07 71 13 00-0030	LF		10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	18.73	1.17
07 71 13 00-0031	LF		>14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	19.98	1.27
07 71 13 00-0032	LF		>16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	23.41	1.34
07 71 13 00-0033	LF		>22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	28.04	1.47
07 71 13 00-0034	LF		>30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	35.09	1.53
07 71 13 00-0035			0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small>		
07 71 13 00-0036	LF		10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	20.41	1.17
07 71 13 00-0037	LF		>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	21.77	1.27
07 71 13 00-0038	LF		>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	25.53	1.34
07 71 13 00-0039	LF		>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	30.61	1.47
07 71 13 00-0040	LF		>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	38.34	1.53
07 71 13 00-0041			0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small>		
07 71 13 00-0042	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	21.79	1.17
07 71 13 00-0043	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	23.36	1.27
07 71 13 00-0044	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	28.16	1.34
07 71 13 00-0045	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	35.33	1.47
07 71 13 00-0046	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	45.98	1.53
07 71 13 00-0047			Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0008)</small>		
			Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 71 13 00-0048		0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small>		
07 71 13 00-0049	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	19.74	1.17
07 71 13 00-0050	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	21.05	1.27
07 71 13 00-0051	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	24.68	1.34
07 71 13 00-0052	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	29.58	1.47
07 71 13 00-0053	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	37.04	1.53
07 71 13 00-0054		0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small>		
07 71 13 00-0055	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	21.52	1.17
07 71 13 00-0056	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	22.95	1.27
07 71 13 00-0057	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	26.93	1.34
07 71 13 00-0058	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	32.30	1.47
07 71 13 00-0059	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	40.49	1.53
07 71 13 00-0060		0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small>		
07 71 13 00-0061	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	22.98	1.17
07 71 13 00-0062	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	24.64	1.27
07 71 13 00-0063	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	29.72	1.34
07 71 13 00-0064	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	37.30	1.47
07 71 13 00-0065	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	48.59	1.53
07 71 13 00-0066		Remove And Reinstall Metal Coping <small>(07 71 13)</small>		
07 71 13 00-0067	LF	Removal And Reinstallation Of Metal Coping	4.87	
07 71 19		Manufactured Gravel Stops And Fasciae <small>(07 71)</small>		
07 71 19 00-0001		Gravel Stop <small>(07 71 19)</small>		
07 71 19 00-0002		Aluminum Gravel Stop <small>(07 71 19 00-0001)</small>		
07 71 19 00-0003		Aluminum Gravel Stop <small>(07 71 19 00-0002)</small>		
07 71 19 00-0004		KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0003)</small>		
07 71 19 00-0005		0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0004)</small>		
07 71 19 00-0006	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	9.79	0.98
07 71 19 00-0007	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	9.91	1.01
07 71 19 00-0008	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	10.09	1.04
07 71 19 00-0009		0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0004)</small>		
07 71 19 00-0010	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	10.37	0.98
07 71 19 00-0011	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	10.51	1.01
07 71 19 00-0012	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	10.72	1.04
07 71 19 00-0013		0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0004)</small>		
07 71 19 00-0014	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	11.12	0.98
07 71 19 00-0015	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	11.23	1.01
07 71 19 00-0016	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	11.52	1.04
07 71 19 00-0017		0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0004)</small>		
07 71 19 00-0018	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	11.63	0.98
07 71 19 00-0019	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	11.76	1.01
07 71 19 00-0020	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	12.08	1.04
07 71 19 00-0021		Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0003)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0022 0.032" Thick, Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0021)</small>		
07 71 19 00-0023 LF 4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	6.59	0.98
07 71 19 00-0024 LF >6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	6.87	1.01
07 71 19 00-0025 LF >10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	7.20	1.04
07 71 19 00-0026 0.040" Thick, Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0021)</small>		
07 71 19 00-0027 LF 4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	7.07	0.98
07 71 19 00-0028 LF >6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	7.29	1.01
07 71 19 00-0029 LF >10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	7.52	1.04
07 71 19 00-0030 0.050" Thick, Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0021)</small>		
07 71 19 00-0031 LF 4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	7.55	0.98
07 71 19 00-0032 LF >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	7.77	1.01
07 71 19 00-0033 LF >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	8.04	1.04
07 71 19 00-0034 0.063" Thick, Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0021)</small>		
07 71 19 00-0035 LF 4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	8.07	0.98
07 71 19 00-0036 LF >6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	8.25	1.01
07 71 19 00-0037 LF >10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	8.43	1.04
07 71 19 00-0038 Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0003)</small>		
07 71 19 00-0039 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0040 LF 4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	11.56	0.98
07 71 19 00-0041 LF >6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	11.76	1.01
07 71 19 00-0042 LF >10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	11.96	1.04
07 71 19 00-0043 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0044 LF 4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	12.26	0.98
07 71 19 00-0045 LF >6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	12.49	1.01
07 71 19 00-0046 LF >10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	12.72	1.04
07 71 19 00-0047 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0048 LF 4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	13.16	0.98
07 71 19 00-0049 LF >6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	13.35	1.01
07 71 19 00-0050 LF >10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	13.52	1.04
07 71 19 00-0051 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0052 LF 4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	13.77	0.98
07 71 19 00-0053 LF >6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	13.99	1.01
07 71 19 00-0054 LF >10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	14.18	1.04
07 71 19 00-0055 Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0002)</small>		
<small>Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.</small>		
07 71 19 00-0056 KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0055)</small>		
07 71 19 00-0057 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0058 LF 4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	12.13	1.63
07 71 19 00-0059 LF >6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	12.62	1.68
07 71 19 00-0060 LF >10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	13.24	1.73
07 71 19 00-0061 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0062 LF 4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	12.71	1.63
07 71 19 00-0063 LF >6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	13.22	1.68
07 71 19 00-0064 LF >10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	13.87	1.73
07 71 19 00-0065 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0066 LF 4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	13.46	1.63
07 71 19 00-0067 LF >6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	13.94	1.68

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0068 LF >10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	14.67	1.73
07 71 19 00-0069 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)		
07 71 19 00-0070 LF 4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	13.97	1.63
07 71 19 00-0071 LF >6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	14.47	1.68
07 71 19 00-0072 LF >10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	15.23	1.73
07 71 19 00-0073 Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0055)		
07 71 19 00-0074 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0075 LF 4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	9.37	1.63
07 71 19 00-0076 LF >6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	9.75	1.68
07 71 19 00-0077 LF >10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	10.23	1.73
07 71 19 00-0078 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0079 LF 4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	9.77	1.63
07 71 19 00-0080 LF >6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	10.16	1.68
07 71 19 00-0081 LF >10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	10.67	1.73
07 71 19 00-0082 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0083 LF 4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	10.29	1.63
07 71 19 00-0084 LF >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	10.66	1.68
07 71 19 00-0085 LF >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	11.19	1.73
07 71 19 00-0086 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0087 LF 4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	10.64	1.63
07 71 19 00-0088 LF >6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	11.02	1.68
07 71 19 00-0089 LF >10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	11.58	1.73
07 71 19 00-0090 Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0055)		
07 71 19 00-0091 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0092 LF 4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	13.90	1.63
07 71 19 00-0093 LF >6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	14.47	1.68
07 71 19 00-0094 LF >10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	15.11	1.73
07 71 19 00-0095 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0096 LF 4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	14.60	1.63
07 71 19 00-0097 LF >6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	15.20	1.68
07 71 19 00-0098 LF >10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	15.87	1.73
07 71 19 00-0099 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0100 LF 4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	15.50	1.63
07 71 19 00-0101 LF >6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	16.06	1.68
07 71 19 00-0102 LF >10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	16.67	1.73
07 71 19 00-0103 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0104 LF 4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	16.11	1.63
07 71 19 00-0105 LF >6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	16.70	1.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0106 LF >10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	17.33	1.73
07 71 19 00-0107 Stainless Steel Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0108 Stainless Steel Gravel Stop (07 71 19 00-0107)		
07 71 19 00-0109 26 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0110 LF 4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	7.91	0.98
07 71 19 00-0111 LF >6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop	9.98	1.01
07 71 19 00-0112 LF >10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop	14.36	1.04
07 71 19 00-0113 24 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0114 LF 4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	9.64	0.98
07 71 19 00-0115 LF >6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop	12.29	1.01
07 71 19 00-0116 LF >10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop	17.81	1.04
07 71 19 00-0117 22 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0118 LF 4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	11.47	0.98
07 71 19 00-0119 LF >6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop	14.74	1.01
07 71 19 00-0120 LF >10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop	21.48	1.04
07 71 19 00-0121 Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0107)		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0122 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)		
07 71 19 00-0123 LF 4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	10.38	1.63
07 71 19 00-0124 LF >6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	12.86	1.68
07 71 19 00-0125 LF >10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	17.73	1.73
07 71 19 00-0126 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)		
07 71 19 00-0127 LF 4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	12.11	1.63
07 71 19 00-0128 LF >6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	15.17	1.68
07 71 19 00-0129 LF >10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	21.18	1.73
07 71 19 00-0130 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)		
07 71 19 00-0131 LF 4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	13.94	1.63
07 71 19 00-0132 LF >6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	17.62	1.68
07 71 19 00-0133 LF >10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	24.85	1.73
07 71 19 00-0134 Galvanized Steel Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0135 Galvanized Steel Gravel Stop (07 71 19 00-0134)		
07 71 19 00-0136 KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0135)		
07 71 19 00-0137 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0136)		
07 71 19 00-0138 LF 4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	8.81	0.98
07 71 19 00-0139 LF >6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	8.91	1.01
07 71 19 00-0140 LF >10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	9.12	1.04
07 71 19 00-0141 Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0134)		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0142 KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0141)		
07 71 19 00-0143 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0142)		
07 71 19 00-0144 LF 4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat.....	11.15	1.63
07 71 19 00-0145 LF >6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat.....	11.62	1.68
07 71 19 00-0146 LF >10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat.....	12.27	1.73
07 71 19 00-0147 Copper Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0148 Copper Gravel Stop (07 71 19 00-0147)		
07 71 19 00-0149 20 Ounce, Copper Gravel Stop (07 71 19 00-0148)		
07 71 19 00-0150 LF 4" To 6" Face Height, 20 Ounce, Copper Gravel Stop.....	36.10	0.98

07	07 Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0151 LF >6" To 10" Face Height, 20 Ounce, Copper Gravel Stop.....	40.98	1.01
07 71 19 00-0152 LF >10" To 18" Face Height, 20 Ounce, Copper Gravel Stop.....	47.19	1.04
07 71 19 00-0153 16 Ounce, Copper Gravel Stop (07 71 19 00-0148)		
07 71 19 00-0154 LF 4" To 6" Face Height, 16 Ounce, Copper Gravel Stop.....	44.20	0.98
07 71 19 00-0155 LF >6" To 10" Face Height, 16 Ounce, Copper Gravel Stop.....	50.88	1.01
07 71 19 00-0156 LF >10" To 18" Face Height, 16 Ounce, Copper Gravel Stop.....	57.99	1.04
07 71 19 00-0157 Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0147) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0158 20 Ounce, Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0157)		
07 71 19 00-0159 LF 4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	38.57	1.63
07 71 19 00-0160 LF >6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	43.86	1.68
07 71 19 00-0161 LF >10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	50.56	1.73
07 71 19 00-0162 16 Ounce, Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0157)		
07 71 19 00-0163 LF 4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	46.67	1.63
07 71 19 00-0164 LF >6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	53.76	1.68
07 71 19 00-0165 LF >10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	61.36	1.73
07 71 19 00-0166 Fascia (07 71 19)		
07 71 19 00-0167 Snap-On Cover Fascia (07 71 19 00-0166) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0168 Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0167)		
07 71 19 00-0169 KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0168)		
07 71 19 00-0170 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0169)		
07 71 19 00-0171 LF 3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat.....	11.39	1.36
07 71 19 00-0172 LF >5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat.....	12.69	1.41
07 71 19 00-0173 LF >7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat.....	13.55	1.47
07 71 19 00-0174 Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (07 71 19 00-0169)		
07 71 19 00-0175 Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (07 71 19 00-0174)		
07 71 19 00-0176 EA Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	71.59	1.90
07 71 19 00-0177 EA Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	76.33	1.90
07 71 19 00-0178 EA Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	79.31	1.90
07 71 19 00-0179 Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (07 71 19 00-0174)		
07 71 19 00-0180 EA Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	58.67	1.90
07 71 19 00-0181 EA Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	61.07	1.90
07 71 19 00-0182 EA Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	62.52	1.90
07 71 19 00-0183 Aluminum Snap-On Cover Fascia (07 71 19 00-0167)		
07 71 19 00-0184 KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0183)		
07 71 19 00-0185 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0184)		
07 71 19 00-0186 LF 3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	12.35	1.36
07 71 19 00-0187 LF >5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	13.98	1.41
07 71 19 00-0188 LF >7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	14.84	1.47
07 71 19 00-0189 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0184)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0190 LF 3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	12.98	1.36
07 71 19 00-0191 LF >5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	14.79	1.41
07 71 19 00-0192 LF >7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	15.75	1.47
07 71 19 00-0193 Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0184)		
07 71 19 00-0194 Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0193)		
07 71 19 00-0195 EA Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	80.50	1.90
07 71 19 00-0196 EA Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	87.31	1.90
07 71 19 00-0197 EA Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	90.29	1.90
07 71 19 00-0198 Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0193)		
07 71 19 00-0199 EA Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	63.70	1.90
07 71 19 00-0200 EA Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	67.10	1.90
07 71 19 00-0201 EA Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	68.58	1.90
07 71 19 00-0202 Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0183)		
07 71 19 00-0203 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0202)		
07 71 19 00-0204 LF 3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	14.28	1.36
07 71 19 00-0205 LF >5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	16.21	1.41
07 71 19 00-0206 LF >7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	17.22	1.47
07 71 19 00-0207 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0202)		
07 71 19 00-0208 LF 3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	15.03	1.36
07 71 19 00-0209 LF >5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	17.18	1.41
07 71 19 00-0210 LF >7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	18.31	1.47
07 71 19 00-0211 Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0202)		
07 71 19 00-0212 Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0211)		
07 71 19 00-0213 EA Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	99.67	1.90
07 71 19 00-0214 EA Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	108.19	1.90
07 71 19 00-0215 EA Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	111.91	1.90
07 71 19 00-0216 Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0211)		
07 71 19 00-0217 EA Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	78.68	1.90
07 71 19 00-0218 EA Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	82.92	1.90
07 71 19 00-0219 EA Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	84.78	1.90
07 71 23 Manufactured Gutters And Downspouts (07 71)		
Note: Includes all necessary support straps.		
07 71 23 00-0001 Aluminum Gutters And Downspouts (07 71 23)		
07 71 23 00-0002 Aluminum Gutters (07 71 23 00-0001)		
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0003 K-Style Aluminum Gutters (07 71 23 00-0002)		

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0004	LF	5"	0.027" Thick, K-Style Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	4.60 0.76	1.75
07 71 23 00-0005	LF	6"	0.027" Thick, K-Style Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	5.07 0.97	1.75
07 71 23 00-0006	LF	5"	0.032" Thick, K-Style Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	4.85 0.87	1.75
07 71 23 00-0007	LF	6"	0.032" Thick, K-Style Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	5.38 1.11	1.75
07 71 23 00-0008	LF	7"	0.032" Thick, K-Style Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	10.87 3.58	1.75
07 71 23 00-0009	LF	8"	0.032" Thick, K-Style Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	11.61 3.91	1.75
07 71 23 00-0010	LF	8"	0.040" Thick, K-Style Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	13.28 4.66	1.75
07 71 23 00-0011			Half Round Aluminum Gutters (07 71 23 00-0002)		
07 71 23 00-0012	LF	5"	0.027" Thick, Half Round Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	9.46 2.94	1.75
07 71 23 00-0013	LF	6"	0.032" Thick, Half Round Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	11.44 3.83	1.75
07 71 23 00-0014			Box Style Aluminum Gutters (07 71 23 00-0002)		
07 71 23 00-0015	LF	6"	0.027" Thick, Box Style Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	8.99 2.73	1.75
07 71 23 00-0016	LF	6"	0.032" Thick, Box Style Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	9.02 2.75	1.75
07 71 23 00-0017	LF	7"	0.032" Thick, Box Style Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	10.52 3.42	1.75
07 71 23 00-0018	LF	8"	0.032" Thick, Box Style Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	11.87 4.03	1.75
07 71 23 00-0019			Aluminum Gutter End Caps (07 71 23 00-0001)		
07 71 23 00-0020			K-Style, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0021	EA	5"	K-Style Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	1.99 0.27	
07 71 23 00-0022	EA	6"	K-Style Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	2.46 0.48	
07 71 23 00-0023	EA	7"	K-Style Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	5.35 1.78	
07 71 23 00-0024	EA	8"	K-Style Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	6.24 2.18	
07 71 23 00-0025			Half Round, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0026	EA	5"	Half Round Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	3.20 0.81	
07 71 23 00-0027	EA	6"	Half Round Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	4.96 1.60	
07 71 23 00-0028			Box Style, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0029	EA	6"	Box Style Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	5.84 2.00	
07 71 23 00-0030	EA	7"	Box Style Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	6.35 2.23	
07 71 23 00-0031	EA	8"	Box Style Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	7.45 2.72	
07 71 23 00-0032			Aluminum Gutter Miters (07 71 23 00-0001) Note: Inside or outside miters.		
07 71 23 00-0033			K-Style, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0034	EA	5"	K-Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	7.08 2.08	
07 71 23 00-0035	EA	6"	K-Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	10.46 3.60	
07 71 23 00-0036	EA	7"	K-Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	40.99 17.34	
07 71 23 00-0037	EA	8"	K-Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	44.42 18.89	
07 71 23 00-0038			Half Round, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0039	EA	5"	Half Round Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	15.57 5.90	
07 71 23 00-0040	EA	6"	Half Round Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	26.61 10.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0041 Box Style, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0042 EA 6", Box Style Aluminum Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	32.66 13.59	
07 71 23 00-0043 EA 7", Box Style Aluminum Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	50.63 21.68	
07 71 23 00-0044 EA 8", Box Style Aluminum Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	54.91 23.61	
07 71 23 00-0045 Aluminum Gutter Wire Strainers (07 71 23 00-0001)		
07 71 23 00-0046 EA 3" Diameter, Round Aluminum Wire Strainer..... <i>For Kynar 500® Finish, Add</i>	8.28 2.08	1.75
07 71 23 00-0047 EA 4" Diameter, Round Aluminum Wire Strainer..... <i>For Kynar 500® Finish, Add</i>	12.19 3.84	1.75
07 71 23 00-0048 Aluminum Downspouts (07 71 23 00-0001) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0049 Round Aluminum Downspouts (07 71 23 00-0048)		
07 71 23 00-0050 LF 3" Diameter, Round Aluminum Downspout..... <i>For Kynar 500® Finish, Add</i>	4.13 1.04	1.68
07 71 23 00-0051 LF 4" Diameter, Round Aluminum Downspout..... <i>For Kynar 500® Finish, Add</i>	4.67 1.28	1.68
07 71 23 00-0052 Rectangular Aluminum Downspouts (07 71 23 00-0048)		
07 71 23 00-0053 LF 2" x 3", Rectangular Aluminum Downspout <i>For Kynar 500® Finish, Add</i>	3.00 0.53	1.68
07 71 23 00-0054 LF 3" x 4", Rectangular Aluminum Downspout <i>For Kynar 500® Finish, Add</i>	3.69 0.84	1.68
07 71 23 00-0055 LF 4" x 5", Rectangular Aluminum Downspout <i>For Kynar 500® Finish, Add</i>	6.59 2.15	1.68
07 71 23 00-0056 Aluminum Devices (07 71 23 00-0001)		
07 71 23 00-0057 EA Thru-Wall Aluminum Scupper Outlet <i>For Kynar 500® Finish, Add</i>	85.32 20.10	12.20
07 71 23 00-0058 EA Aluminum Leader/Conductor Head..... <i>For Kynar 500® Finish, Add</i>	127.50 45.18	13.55
07 71 23 00-0059 Copper Gutters And Downspouts (07 71 23)		
07 71 23 00-0060 Copper Gutters (07 71 23 00-0059) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0061 K-Style Copper Gutters (07 71 23 00-0060)		
07 71 23 00-0062 LF 4", 16 Ounce, K-Style Copper Gutter.....	12.05	1.75
07 71 23 00-0063 LF 5", 16 Ounce, K-Style Copper Gutter.....	17.75	1.75
07 71 23 00-0064 LF 6", 16 Ounce, K-Style Copper Gutter.....	21.40	1.75
07 71 23 00-0065 LF 5", 20 Ounce, K-Style Copper Gutter.....	23.08	1.75
07 71 23 00-0066 LF 6", 20 Ounce, K-Style Copper Gutter.....	28.94	1.75
07 71 23 00-0067 LF 7", 20 Ounce, K-Style Copper Gutter.....	33.70	1.75
07 71 23 00-0068 LF 8", 20 Ounce, K-Style Copper Gutter.....	37.21	1.75
07 71 23 00-0069 Half Round Copper Gutters (07 71 23 00-0060)		
07 71 23 00-0070 LF 5", 16 Ounce, Half Round Copper Gutter	14.97	1.75
07 71 23 00-0071 LF 6", 16 Ounce, Half Round Copper Gutter	19.32	1.75
07 71 23 00-0072 LF 7", 16 Ounce, Half Round Copper Gutter	33.81	1.75
07 71 23 00-0073 LF 5", 20 Ounce, Half Round Copper Gutter	17.88	1.75
07 71 23 00-0074 LF 6", 20 Ounce, Half Round Copper Gutter	22.42	1.75
07 71 23 00-0075 LF 7", 20 Ounce, Half Round Copper Gutter	35.69	1.75
07 71 23 00-0076 LF 8", 20 Ounce, Half Round Copper Gutter	40.36	1.75
07 71 23 00-0077 Copper Gutter End Caps (07 71 23 00-0059)		
07 71 23 00-0078 K-Style, Copper Gutter End Caps (07 71 23 00-0077)		
07 71 23 00-0079 EA 4", K-Style Copper Gutter End Cap	4.55	
07 71 23 00-0080 EA 5", K-Style Copper Gutter End Cap	4.89	
07 71 23 00-0081 EA 6", K-Style Copper Gutter End Cap	5.24	
07 71 23 00-0082 EA 7", K-Style Copper Gutter End Cap	14.55	
07 71 23 00-0083 EA 8", K-Style Copper Gutter End Cap	17.82	
07 71 23 00-0084 Half Round, Copper Gutter End Caps (07 71 23 00-0077)		
07 71 23 00-0085 EA 4", Half Round Copper Gutter End Cap	5.58	
07 71 23 00-0086 EA 5", Half Round Copper Gutter End Cap	6.32	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 71 23 00-0087	EA	6", Half Round Copper Gutter End Cap	9.72	
07 71 23 00-0088	EA	7", Half Round Copper Gutter End Cap	30.01	
07 71 23 00-0089	EA	8", Half Round Copper Gutter End Cap	35.51	
07 71 23 00-0090		Copper Gutter Miters (07 71 23 00-0059) Note: Inside or outside miters.		
07 71 23 00-0091		K-Style, Copper Gutter Miters (07 71 23 00-0090)		
07 71 23 00-0092	EA	4", K-Style Copper Gutter Miter	25.78	
07 71 23 00-0093	EA	5", K-Style Copper Gutter Miter	29.36	
07 71 23 00-0094	EA	6", K-Style Copper Gutter Miter	44.50	
07 71 23 00-0095	EA	7", K-Style Copper Gutter Miter	65.29	
07 71 23 00-0096	EA	8", K-Style Copper Gutter Miter	77.23	
07 71 23 00-0097		Half Round, Copper Gutter Miters (07 71 23 00-0090)		
07 71 23 00-0098	EA	4", Half Round Copper Gutter Miter	43.56	
07 71 23 00-0099	EA	5", Half Round Copper Gutter Miter	39.22	
07 71 23 00-0100	EA	6", Half Round Copper Gutter Miter	58.75	
07 71 23 00-0101	EA	7", Half Round Copper Gutter Miter	70.82	
07 71 23 00-0102	EA	8", Half Round Copper Gutter Miter	84.39	
07 71 23 00-0103		Copper Gutter Wire Strainers (07 71 23 00-0059)		
07 71 23 00-0104	EA	2" Diameter, Round Copper Wire Strainer	10.66	1.75
07 71 23 00-0105	EA	3" Diameter, Round Copper Wire Strainer	12.97	1.75
07 71 23 00-0106	EA	4" Diameter, Round Copper Wire Strainer	20.49	1.75
07 71 23 00-0107	EA	5" Diameter, Round Copper Wire Strainer	27.04	1.75
07 71 23 00-0108	EA	6" Diameter, Round Copper Wire Strainer	32.52	1.75
07 71 23 00-0109		Copper Downspouts (07 71 23 00-0059) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0110		Round Copper Downspouts (07 71 23 00-0109)		
07 71 23 00-0111	LF	2" Diameter, 16 Ounce, Round Copper Downspout	19.85	1.68
07 71 23 00-0112	LF	3" Diameter, 16 Ounce, Round Copper Downspout	13.70	1.68
07 71 23 00-0113	LF	4" Diameter, 16 Ounce, Round Copper Downspout	17.37	1.68
07 71 23 00-0114	LF	5" Diameter, 16 Ounce, Round Copper Downspout	28.02	1.68
07 71 23 00-0115	LF	6" Diameter, 16 Ounce, Round Copper Downspout	36.15	1.68
07 71 23 00-0116	LF	3" Diameter, 20 Ounce, Round Copper Downspout	18.68	1.68
07 71 23 00-0117	LF	4" Diameter, 20 Ounce, Round Copper Downspout	24.36	1.68
07 71 23 00-0118	LF	5" Diameter, 20 Ounce, Round Copper Downspout	37.25	1.68
07 71 23 00-0119		Square Copper Downspouts (07 71 23 00-0109)		
07 71 23 00-0120	LF	3" Diameter, 16 Ounce, Square Copper Downspout	9.35	1.68
07 71 23 00-0121	LF	4" Diameter, 16 Ounce, Square Copper Downspout	11.80	1.68
07 71 23 00-0122	LF	5" Diameter, 16 Ounce, Square Copper Downspout	17.07	1.68
07 71 23 00-0123	LF	3" Diameter, 20 Ounce, Square Copper Downspout	10.86	1.68
07 71 23 00-0124	LF	4" Diameter, 20 Ounce, Square Copper Downspout	13.91	1.68
07 71 23 00-0125	LF	5" Diameter, 20 Ounce, Square Copper Downspout	20.17	1.68
07 71 23 00-0126		Rectangular Copper Downspouts (07 71 23 00-0109)		
07 71 23 00-0127	LF	2" x 3", 16 Ounce, Rectangular Copper Downspout	14.07	1.68
07 71 23 00-0128	LF	3" x 4", 16 Ounce, Rectangular Copper Downspout	17.91	1.68
07 71 23 00-0129	LF	4" x 5", 16 Ounce, Rectangular Copper Downspout	25.66	1.68
07 71 23 00-0130	LF	2" x 3", 20 Ounce, Rectangular Copper Downspout	16.46	1.68
07 71 23 00-0131	LF	3" x 4", 20 Ounce, Rectangular Copper Downspout	21.22	1.68
07 71 23 00-0132	LF	4" x 5", 20 Ounce, Rectangular Copper Downspout	30.65	1.68
07 71 23 00-0133		Copper Devices And Accessories (07 71 23 00-0059)		
07 71 23 00-0134	EA	Thru-Wall Copper Scupper Outlet.....	143.27	12.20
07 71 23 00-0135	EA	Copper Leader/Conductor Head.....	222.45	13.55
07 71 23 00-0136	EA	Copper Eave Box.....	100.81	10.51
07 71 23 00-0137		Galvanized Steel Gutters And Downspouts (07 71 23)		
07 71 23 00-0138		Galvanized Steel Gutters (07 71 23 00-0137) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0139		K-Style Galvanized Steel Gutters (07 71 23 00-0138)		
07 71 23 00-0140	LF	5", 26 Gauge, K-Style Galvanized Steel Gutter	5.62	1.75
		For Kynar 500® Finish, Add	1.22	
07 71 23 00-0141	LF	6", 26 Gauge, K-Style Galvanized Steel Gutter	6.44	1.75
		For Kynar 500® Finish, Add	1.58	
07 71 23 00-0142	LF	7", 26 Gauge, K-Style Galvanized Steel Gutter	13.75	1.75
		For Kynar 500® Finish, Add	4.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0143 LF 8", 24 Gauge, K-Style Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i>	14.16 5.06	1.75
07 71 23 00-0144 Half Round Galvanized Steel Gutters (07 71 23 00-0138)		
07 71 23 00-0145 LF 5", 26 Gauge, Half Round Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i>	8.40 2.47	1.75
07 71 23 00-0146 LF 6", 26 Gauge, Half Round Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i>	10.54 3.43	1.75
07 71 23 00-0147 LF 7", 26 Gauge, Half Round Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i>	27.20 10.93	1.75
07 71 23 00-0148 LF 8", 26 Gauge, Half Round Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i>	28.70 11.60	1.75
07 71 23 00-0149 Box Style Galvanized Steel Gutters (07 71 23 00-0138)		
07 71 23 00-0150 LF 5", 24 Gauge, Box Style Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i> <i>For 22 Gauge, Add</i>	9.65 3.03 1.01	1.75
07 71 23 00-0151 LF 6", 24 Gauge, Box Style Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i> <i>For 22 Gauge, Add</i>	11.15 3.70 1.23	1.75
07 71 23 00-0152 LF 7", 24 Gauge, Box Style Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i> <i>For 22 Gauge, Add</i>	14.82 5.36 1.79	1.75
07 71 23 00-0153 LF 8", 24 Gauge, Box Style Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i> <i>For 22 Gauge, Add</i>	15.84 5.81 1.94	1.75
07 71 23 00-0154 Galvanized Steel Gutter End Caps (07 71 23 00-0137)		
07 71 23 00-0155 K-Style, Galvanized Steel Gutter End Caps (07 71 23 00-0154)		
07 71 23 00-0156 EA 5", K-Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	3.01 0.72	
07 71 23 00-0157 EA 6", K-Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	3.44 0.92	
07 71 23 00-0158 EA 7", K-Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	7.21 2.61	
07 71 23 00-0159 EA 8", K-Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	10.37 4.04	
07 71 23 00-0160 Half Round, Galvanized Steel Gutter End Caps (07 71 23 00-0154)		
07 71 23 00-0161 EA 5", Half Round Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	3.82 1.09	
07 71 23 00-0162 EA 6", Half Round Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	4.36 1.33	
07 71 23 00-0163 EA 7", Half Round Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	7.94 2.94	
07 71 23 00-0164 EA 8", Half Round Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	10.65 4.16	
07 71 23 00-0165 Box Style, Galvanized Steel Gutter End Caps (07 71 23 00-0154)		
07 71 23 00-0166 EA 5", Box Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	6.67 2.37	
07 71 23 00-0167 EA 6", Box Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	7.99 2.97	
07 71 23 00-0168 EA 7", Box Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	8.92 3.38	
07 71 23 00-0169 EA 8", Box Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	11.88 4.72	
07 71 23 00-0170 Galvanized Steel Gutter Miters (07 71 23 00-0137)		
Note: Inside or outside miters.		
07 71 23 00-0171 K-Style, Galvanized Steel Gutter Miters (07 71 23 00-0170)		
07 71 23 00-0172 EA 5", K-Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	13.40 4.93	
07 71 23 00-0173 EA 6", K-Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	23.40 9.43	
07 71 23 00-0174 EA 7", K-Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	39.30 16.58	
07 71 23 00-0175 EA 8", K-Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	44.23 18.80	
07 71 23 00-0176 Half Round, Galvanized Steel Gutter Miters (07 71 23 00-0170)		
07 71 23 00-0177 EA 5", Half Round Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	19.59 7.71	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0178	EA		6", Half Round Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	22.03 8.81	
07 71 23 00-0179	EA		7", Half Round Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	69.04 29.97	
07 71 23 00-0180	EA		8", Half Round Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	72.74 31.63	
07 71 23 00-0181			Box Style, Galvanized Steel Gutter Miters (07 71 23 00-0170)		
07 71 23 00-0182	EA		5", Box Style Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	18.35 7.16	
07 71 23 00-0183	EA		6", Box Style Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	31.59 13.11	
07 71 23 00-0184	EA		7", Box Style Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	41.76 17.69	
07 71 23 00-0185	EA		8", Box Style Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	44.23 18.80	
07 71 23 00-0186			Galvanized Steel Gutter Wire Strainers (07 71 23 00-0137)		
07 71 23 00-0187	EA		3" Diameter, Round Galvanized Steel Wire Strainer..... <i>For Kynar 500® Finish, Add</i>	7.34 1.66	1.75
07 71 23 00-0188	EA		4" Diameter, Round Galvanized Steel Wire Strainer..... <i>For Kynar 500® Finish, Add</i>	10.48 3.07	1.75
07 71 23 00-0189			Galvanized Steel Downspouts (07 71 23 00-0137) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0190			Round Galvanized Steel Downspouts (07 71 23 00-0189)		
07 71 23 00-0191	LF		3" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	3.79 0.89	1.68
07 71 23 00-0192	LF		4" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	4.63 1.26	1.68
07 71 23 00-0193	LF		5" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	6.19 1.97	1.68
07 71 23 00-0194	LF		6" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	13.39 5.21	1.68
07 71 23 00-0195			Square Galvanized Steel Downspouts (07 71 23 00-0189)		
07 71 23 00-0196	LF		4" x 4", 26 Gauge, Square Galvanized Steel Downspout <i>For Kynar 500® Finish, Add</i>	4.26 1.10	1.68
07 71 23 00-0197	LF		5" x 5", 26 Gauge, Square Galvanized Steel Downspout <i>For Kynar 500® Finish, Add</i>	5.37 1.60	1.68
07 71 23 00-0198			Rectangular Galvanized Steel Downspouts (07 71 23 00-0189)		
07 71 23 00-0199	LF		2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	3.85 0.91	1.68
07 71 23 00-0200	LF		3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	4.83 1.35	1.68
07 71 23 00-0201	LF		4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	8.69 3.09	1.68
07 71 23 00-0202			Galvanized Steel Devices (07 71 23 00-0137)		
07 71 23 00-0203	EA		Galvanized Steel Leader/Conductor Head..... <i>For Kynar 500® Finish, Add</i>	152.90 56.61	13.55
07 71 23 00-0204	EA		Thru-Wall Galvanized Steel Scupper Outlet <i>For Kynar 500® Finish, Add</i>	87.35 21.01	12.20
07 71 23 00-0205			Stainless Steel Gutters And Downspouts (07 71 23) Note: AISI type 304 stainless steel.		
07 71 23 00-0206			Stainless Steel Gutters (07 71 23 00-0205) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0207			K-Style Stainless Steel Gutters (07 71 23 00-0206)		
07 71 23 00-0208	LF		5", 0.018" Thick, K-Style Stainless Steel Gutter.....	15.01	1.75
07 71 23 00-0209	LF		6", 0.018" Thick, K-Style Stainless Steel Gutter.....	18.03	1.75
07 71 23 00-0210			Half Round Stainless Steel Gutters (07 71 23 00-0206)		
07 71 23 00-0211	LF		5", 0.018" Thick, Half Round Stainless Steel Gutter	21.22	1.75
07 71 23 00-0212	LF		6", 0.018" Thick, Half Round Stainless Steel Gutter	25.76	1.75
07 71 23 00-0213			Stainless Steel Gutter End Caps (07 71 23 00-0205)		
07 71 23 00-0214			K-Style, Stainless Steel Gutter End Caps (07 71 23 00-0213)		
07 71 23 00-0215	EA		5", K-Style Stainless Steel Gutter End Cap.....	5.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0216 EA 6", K-Style Stainless Steel Gutter End Cap	5.94	
07 71 23 00-0217 Half Round, Stainless Steel Gutter End Caps (07 71 23 00-0213)		
07 71 23 00-0218 EA 5", Half Round Stainless Steel Gutter End Cap	6.13	
07 71 23 00-0219 EA 6", Half Round Stainless Steel Gutter End Cap	7.07	
07 71 23 00-0220 Stainless Steel Gutter Miters (07 71 23 00-0205)		
Note: Inside or outside box miters.		
07 71 23 00-0221 K-Style, Stainless Steel Gutter Miters (07 71 23 00-0220)		
07 71 23 00-0222 EA 5", K-Style Stainless Steel Gutter Miter	21.98	
07 71 23 00-0223 EA 6", K-Style Stainless Steel Gutter Miter	37.11	
07 71 23 00-0224 Half Round, Stainless Steel Gutter Miters (07 71 23 00-0220)		
07 71 23 00-0225 EA 5", Half Round Stainless Steel Gutter Miter	59.79	
07 71 23 00-0226 EA 6", Half Round Stainless Steel Gutter Miter	73.63	
07 71 23 00-0227 Stainless Steel Gutter Wire Strainers (07 71 23 00-0205)		
07 71 23 00-0228 EA 3" Diameter, Round Stainless Steel Wire Strainer	23.50	1.75
07 71 23 00-0229 EA 4" Diameter, Round Stainless Steel Wire Strainer	24.04	1.75
07 71 23 00-0230 Stainless Steel Downspouts (07 71 23 00-0205)		
Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0231 Round Stainless Steel Downspouts (07 71 23 00-0230)		
07 71 23 00-0232 LF 3" Diameter, 0.018" Thick, Round Stainless Steel Downspout	14.81	1.68
07 71 23 00-0233 LF 4" Diameter, 0.018" Thick, Round Stainless Steel Downspout	26.61	1.68
07 71 23 00-0234 LF 5" Diameter, 0.018" Thick, Round Stainless Steel Downspout	41.05	1.68
07 71 23 00-0235 Rectangular Stainless Steel Downspouts (07 71 23 00-0230)		
07 71 23 00-0236 LF 2" x 3", 0.018" Thick, Rectangular Stainless Steel Downspout	9.85	1.68
07 71 23 00-0237 LF 3" x 4", 0.018" Thick, Rectangular Stainless Steel Downspout	13.11	1.68
07 71 23 00-0238 LF 4" x 5", 0.018" Thick, Rectangular Stainless Steel Downspout	32.30	1.68
07 71 23 00-0239 Stainless Steel Devices (07 71 23 00-0205)		
07 71 23 00-0240 EA Thru-Wall Stainless Steel Scupper Outlet	172.96	15.76
07 71 23 00-0241 EA Stainless Steel Leader/Conductor Head	211.15	15.76
07 71 23 00-0242 Vinyl Gutters And Downspouts (07 71 23)		
07 71 23 00-0243 Vinyl Gutters (07 71 23 00-0242)		
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0244 K-Style Vinyl Gutters (07 71 23 00-0243)		
07 71 23 00-0245 LF 4", K-Style Vinyl Gutter	6.25	1.75
07 71 23 00-0246 LF 5", K-Style Vinyl Gutter	7.97	1.75
07 71 23 00-0247 Half Round Vinyl Gutters (07 71 23 00-0243)		
07 71 23 00-0248 LF 4", Half Round Vinyl Gutter	6.45	1.75
07 71 23 00-0249 LF 5", Half Round Vinyl Gutter	6.76	1.75
07 71 23 00-0250 Vinyl Gutter End Caps (07 71 23 00-0242)		
07 71 23 00-0251 K-Style, Vinyl Gutter End Caps (07 71 23 00-0250)		
07 71 23 00-0252 EA 4", K-Style Vinyl Gutter End Cap	3.82	
07 71 23 00-0253 EA 5", K-Style Vinyl Gutter End Cap	5.24	
07 71 23 00-0254 Half Round, Vinyl Gutter End Caps (07 71 23 00-0250)		
07 71 23 00-0255 EA 4", Half Round Vinyl Gutter End Cap	4.34	
07 71 23 00-0256 EA 5", Half Round Vinyl Gutter End Cap	4.11	
07 71 23 00-0257 Vinyl Gutter Miters (07 71 23 00-0242)		
Note: Inside or outside miters.		
07 71 23 00-0258 K-Style, Vinyl Gutter Miters (07 71 23 00-0257)		
07 71 23 00-0259 EA 4", K-Style Vinyl Gutter Miter	9.40	
07 71 23 00-0260 EA 5", K-Style Vinyl Gutter Miter	14.00	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0261 Half Round, Vinyl Gutter Miters <small>(07 71 23 00-0257)</small>		
07 71 23 00-0262 EA 4", Half Round Vinyl Gutter Miter	9.40	
07 71 23 00-0263 EA 5", Half Round Vinyl Gutter Miter	10.19	
07 71 23 00-0264 Vinyl Downspouts <small>(07 71 23 00-0242)</small> Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0265 Round Vinyl Downspouts <small>(07 71 23 00-0264)</small>		
07 71 23 00-0266 LF 2-1/2" Diameter, Round Vinyl Downspout.....	4.10	1.68
07 71 23 00-0267 LF 3" Diameter, Round Vinyl Downspout.....	4.26	1.68
07 71 23 00-0268 Square Vinyl Downspouts <small>(07 71 23 00-0264)</small>		
07 71 23 00-0269 LF 2-1/2", Square Vinyl Downspout	4.03	1.68
07 71 23 00-0270 Rectangular Vinyl Downspouts <small>(07 71 23 00-0264)</small>		
07 71 23 00-0271 LF 2" x 3", Rectangular Vinyl Downspout.....	5.10	1.68
07 71 23 00-0272 Gutter And Downspout Boots <small>(07 71 23)</small>		
07 71 23 00-0273 Cast Iron Roof Drainage Downspout Boots <small>(07 71 23 00-0272)</small>		
07 71 23 00-0274 EA 2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	169.23	2.52
07 71 23 00-0275 EA 3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	220.62	2.52
07 71 23 00-0276 EA 4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot.....	263.34	2.52
07 71 23 00-0277 Cast Iron Roof Drainage Downspout Boots With Cleanouts <small>(07 71 23 00-0272)</small>		
07 71 23 00-0278 EA 3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	289.26	2.52
07 71 23 00-0279 EA 4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	353.40	2.52
07 71 23 00-0280 EA 5" x 7" x 30" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	641.38	2.52
07 71 23 00-0281 Wall Mounted Downspout Covers With Hinged Perforated Cover <small>(07 71 23)</small>		
07 71 23 00-0282 EA 3" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-03).....	582.46	17.49
For Polished Brass Finish (-PB), Add	54.75	
For Chrome Plated Finish (-CP), Add	82.12	
For Vandal Proof (-U), Add	27.37	
07 71 23 00-0283 EA 4" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-04).....	594.12	23.31
For Polished Brass Finish (-PB), Add	54.75	
For Chrome Plated Finish (-CP), Add	82.12	
For Vandal Proof (-U), Add	27.37	
07 71 23 00-0284 EA 6" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-06).....	638.96	30.36
For Polished Brass Finish (-PB), Add	57.82	
For Chrome Plated Finish (-CP), Add	86.73	
For Vandal Proof (-U), Add	28.91	
07 71 23 00-0285 EA 8" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-08).....	682.73	38.33
For Polished Brass Finish (-PB), Add	60.61	
For Chrome Plated Finish (-CP), Add	90.91	
For Vandal Proof (-U), Add	30.30	
07 71 23 00-0286 EA 10" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-10).....	735.76	47.23
For Polished Brass Finish (-PB), Add	64.13	
For Chrome Plated Finish (-CP), Add	96.20	
For Vandal Proof (-U), Add	32.07	
07 71 23 00-0287 EA 12" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-12).....	812.13	65.94
For Polished Brass Finish (-PB), Add	68.03	
For Chrome Plated Finish (-CP), Add	102.04	
For Vandal Proof (-U), Add	34.01	
07 71 23 00-0288 EA 15" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-15).....	902.08	91.70
For Polished Brass Finish (-PB), Add	71.87	
For Chrome Plated Finish (-CP), Add	107.80	
For Vandal Proof (-U), Add	35.93	
07 71 23 00-0289 Wall Mounted Downspout Nozzle <small>(07 71 23)</small>		
07 71 23 00-0290 EA 3" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-03).....	153.16	17.49
For Nickel Bronze Finish (-NB), Add	82.73	
For Polished Bronze Finish (-PB), Add	65.00	
For Chrome Plated Finish (-CP), Add	105.19	
07 71 23 00-0291 EA 4" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-04).....	164.82	23.31
For Nickel Bronze Finish (-NB), Add	82.73	
For Polished Bronze Finish (-PB), Add	65.00	
For Chrome Plated Finish (-CP), Add	105.19	
07 71 23 00-0292 EA 6" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-06).....	341.10	30.36
For Nickel Bronze Finish (-NB), Add	84.11	
For Polished Bronze Finish (-PB), Add	47.66	
For Chrome Plated Finish (-CP), Add	123.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0293 EA 8" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-08)	502.26	38.33
For Nickel Bronze Finish (-NB), Add	72.35	
For Polished Bronze Finish (-PB), Add	55.33	
For Chrome Plated Finish (-CP), Add	123.42	
07 71 23 00-0294 EA 10" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-10)	646.98	47.23
For Nickel Bronze Finish (-NB), Add	93.93	
For Polished Bronze Finish (-PB), Add	71.83	
For Chrome Plated Finish (-CP), Add	160.23	
07 71 23 00-0295 EA 12" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-12)	826.97	65.94
For Nickel Bronze Finish (-NB), Add	118.17	
For Polished Bronze Finish (-PB), Add	90.36	
For Chrome Plated Finish (-CP), Add	201.58	
07 71 23 00-0296 Leaf Guards And Cleaning (07 71 23)		
07 71 23 00-0297 LF Aluminum Mesh Gutter Leaf Guard	1.47	0.46
07 71 23 00-0298 LF Vinyl Mesh Gutter Leaf Guard	1.53	0.46
07 71 23 00-0299 LF 6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	10.87	0.58
07 71 23 00-0300 LF 9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	15.73	0.58
07 71 23 00-0301 LF 6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	8.26	0.58
07 71 23 00-0302 LF 9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	12.92	0.58
07 71 23 00-0303 EA Cleanout Roof Drain	81.86	
Note: Includes removing dome and flushing.		
07 71 23 00-0304 LF Clean Gutters And Downspouts.....	0.91	
07 71 26 Reglets (07 71)		
07 71 26 00-0001 Counter Flashing With Reglet (07 71 26)		
Note: Includes reglet cut.		
07 71 26 00-0002 Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0003 Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0004 LF 28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	7.48	2.41
07 71 26 00-0005 LF 26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	7.55	2.41
07 71 26 00-0006 LF 24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	7.68	2.41
07 71 26 00-0007 LF 22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	8.16	2.41
07 71 26 00-0008 LF 20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	8.43	2.41
07 71 26 00-0009 LF 18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	8.74	2.41
07 71 26 00-0010 KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0011 LF 28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	8.67	2.41
07 71 26 00-0012 LF 26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	8.77	2.41
07 71 26 00-0013 LF 24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	8.96	2.41
07 71 26 00-0014 LF 22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	9.65	2.41
07 71 26 00-0015 LF 20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	10.05	2.41
07 71 26 00-0016 LF 18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	10.51	2.41
07 71 26 00-0017 Aluminum Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0018 KYNAR 500® Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0019 LF 0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	8.40	2.41
07 71 26 00-0020 LF 0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	8.96	2.41
07 71 26 00-0021 LF 0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	9.53	2.41
07 71 26 00-0022 LF 0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	9.94	2.41
07 71 26 00-0023 LF 0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	10.84	2.41
07 71 26 00-0024 LF 0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	12.16	2.41
07 71 26 00-0025 Mill Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0026 LF 0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	7.11	2.41
07 71 26 00-0027 LF 0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	7.47	2.41
07 71 26 00-0028 LF 0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	7.83	2.41
07 71 26 00-0029 LF 0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	8.09	2.41
07 71 26 00-0030 LF 0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	8.67	2.41
07 71 26 00-0031 LF 0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	9.51	2.41
07 71 26 00-0032 Clear Anodized Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0033 LF 0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	8.14	2.41
07 71 26 00-0034 LF 0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	8.66	2.41
07 71 26 00-0035 LF 0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	9.18	2.41
07 71 26 00-0036 LF 0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	9.56	2.41
07 71 26 00-0037 LF 0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	10.40	2.41
07 71 26 00-0038 LF 0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	11.62	2.41
07 71 26 00-0039 Stainless Steel Counter Flashing With Reglet (07 71 26 00-0001)		

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 26 00-0040 Stainless Steel Counter Flashing With Reglet <small>(07 71 26 00-0039)</small>		
07 71 26 00-0041 LF 24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	11.35	2.41
07 71 26 00-0042 LF 20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	12.51	2.41
07 71 26 00-0043 Copper Counter Flashing With Reglet <small>(07 71 26 00-0001)</small>		
07 71 26 00-0044 Copper Counter Flashing With Reglet <small>(07 71 26 00-0043)</small>		
07 71 26 00-0045 LF 16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet.....	21.99	2.41
07 72 Roof Accessories <small>(07 70)</small>		
07 72 13 Manufactured Curbs <small>(07 72)</small>		
07 72 13 00-0001 Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13)</small>		
07 72 13 00-0002 Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0001)</small>		
Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0003 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0002)</small>		
07 72 13 00-0004 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0003)</small>		
07 72 13 00-0005 EA 26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	237.87	48.44
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
07 72 13 00-0006 EA 26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	243.87	48.44
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
07 72 13 00-0007 EA 26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	258.98	54.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
07 72 13 00-0008 EA 26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	281.98	54.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
07 72 13 00-0009 EA 26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	298.98	54.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
07 72 13 00-0010 EA 26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	379.08	60.54
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
07 72 13 00-0011 EA 38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	245.87	48.44
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
07 72 13 00-0012 EA 38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	259.98	54.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
07 72 13 00-0013 EA 38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	272.98	54.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
07 72 13 00-0014 EA 38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	277.98	54.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0015 EA 38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	363.08	60.54
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	30.25	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	66.56	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.00	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	65.00	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	85.00	
07 72 13 00-0016 EA 38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	396.20	66.60
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.96	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	72.58	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.70	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	75.70	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	99.70	
07 72 13 00-0017 EA 50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	305.98	54.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.15	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	55.75	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.10	
07 72 13 00-0018 EA 50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	331.08	60.54
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.05	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	60.16	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.75	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	50.75	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	70.75	
07 72 13 00-0019 EA 50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	342.08	60.54
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.15	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	62.36	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.55	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	46.55	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	80.55	
07 72 13 00-0020 EA 50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	375.20	66.60
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.86	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	68.38	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.50	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	58.50	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	90.50	
07 72 13 00-0021 EA 51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	399.31	72.66
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.67	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	72.60	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.45	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.45	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.45	
07 72 13 00-0022 EA 51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	431.41	78.71
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	35.27	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	78.41	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.60	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	81.60	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	115.60	
07 72 13 00-0023 EA 62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	342.08	60.54
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.15	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	62.36	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	45.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	83.30	
07 72 13 00-0024 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	364.20	66.60
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.76	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	66.18	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	94.10	
07 72 13 00-0025 EA 62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	398.31	72.66
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.57	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	72.40	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.30	
07 72 13 00-0026 EA 62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	408.31	72.66
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	33.57	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	74.40	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	117.30	
07 72 13 00-0027 EA 62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	442.41	78.71
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.37	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	80.61	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	23.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	73.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	137.10	

07 72 13 00-0028 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof
Curbs (07 72 13 00-0003)

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0029 EA 26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....250.87	250.87	48.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	20.24	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	45.33	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	3.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	24.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	35.30	
07 72 13 00-0030 EA 26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....253.87	253.87	48.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	20.54	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	45.93	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	4.05	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	32.05	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	42.05	
07 72 13 00-0031 EA 26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....268.98	268.98	54.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	21.45	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	48.35	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	4.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	39.95	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	46.95	
07 72 13 00-0032 EA 26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....294.98	294.98	54.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	24.05	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	53.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	6.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	51.60	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	58.60	
07 72 13 00-0033 EA 26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....313.98	313.98	54.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	25.95	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	57.35	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	58.15	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	64.15	
07 72 13 00-0034 EA 26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....391.08	391.08	60.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	33.05	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	72.16	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	10.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	55.95	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	74.95	
07 72 13 00-0035 EA 38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....254.87	254.87	48.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	20.64	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	46.13	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	5.25	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	45.25	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.25	
07 72 13 00-0036 EA 38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....286.98	286.98	54.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	23.25	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	51.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	6.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	48.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	65.30	
07 72 13 00-0037 EA 38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....306.98	306.98	54.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	25.25	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	55.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	7.80	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	51.80	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	65.80	
07 72 13 00-0038 EA 38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....329.98	329.98	54.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	27.55	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	60.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	57.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.30	
07 72 13 00-0039 EA 38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....379.08	379.08	60.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	31.85	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	69.76	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	65.00	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	85.00	
07 72 13 00-0040 EA 38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....416.20	416.20	66.60
For Sloped Roofs Up To 1 In 12 Pitch, Add	34.96	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	76.58	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.70	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	75.70	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	99.70	
07 72 13 00-0041 EA 50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....317.98	317.98	54.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	26.35	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	58.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	8.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	52.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.10	
07 72 13 00-0042 EA 50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....341.08	341.08	60.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	28.05	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	62.16	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.75	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	50.75	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.75	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0043	EA			50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	357.08	60.54
				<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	29.65	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	65.36	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.55	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	46.55	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	80.55	
07 72 13 00-0044	EA			50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	391.20	66.60
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.46	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	71.58	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.50	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	58.50	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	90.50	
07 72 13 00-0045	EA			51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	418.31	72.66
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.57	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	76.40	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.45	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.45	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.45	
07 72 13 00-0046	EA			51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	453.41	78.71
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	37.47	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	82.81	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.60	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	81.60	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	115.60	
07 72 13 00-0047	EA			62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	357.08	60.54
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.65	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	65.36	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.30	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	45.30	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	83.30	
07 72 13 00-0048	EA			62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	380.20	66.60
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.36	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	69.38	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.10	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.10	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	94.10	
07 72 13 00-0049	EA			62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	415.31	72.66
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.27	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	75.80	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.30	
07 72 13 00-0050	EA			62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	428.31	72.66
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	35.57	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	78.40	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	117.30	
07 72 13 00-0051	EA			62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	464.41	78.71
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.57	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	85.01	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	23.10	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	73.10	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	137.10	
07 72 13 00-0052				14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0003)		
07 72 13 00-0053	EA			26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	257.87	48.44
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.94	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	46.73	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	3.30	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	24.30	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.30	
07 72 13 00-0054	EA			26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	260.87	48.44
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.24	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	47.33	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.05	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	32.05	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	42.05	
07 72 13 00-0055	EA			26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	273.98	54.49
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.95	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	49.35	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.95	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	39.95	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	46.95	
07 72 13 00-0056	EA			26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	302.98	54.49
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.85	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	55.15	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.60	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.60	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	58.60	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0057 EA 26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	324.98 27.05 59.55 9.15 58.15 64.15	54.49
07 72 13 00-0058 EA 26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	405.08 34.45 74.96 10.95 55.95 74.95	60.54
07 72 13 00-0059 EA 38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	260.87 21.24 47.33 5.25 45.25 63.25	48.44
07 72 13 00-0060 EA 38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	273.98 21.95 49.35 6.30 48.30 65.30	54.49
07 72 13 00-0061 EA 38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	324.98 27.05 59.55 7.80 51.80 65.80	54.49
07 72 13 00-0062 EA 38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	348.98 29.45 64.35 9.30 57.30 70.30	54.49
07 72 13 00-0063 EA 38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	391.08 33.05 72.16 12.00 65.00 85.00	60.54
07 72 13 00-0064 EA 38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	429.20 36.26 79.18 14.70 75.70 99.70	66.60
07 72 13 00-0065 EA 50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	325.98 27.15 59.75 8.10 52.10 63.10	54.49
07 72 13 00-0066 EA 50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	352.08 29.15 64.36 9.75 50.75 70.75	60.54
07 72 13 00-0067 EA 50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	367.08 30.65 67.36 11.55 46.55 80.55	60.54
07 72 13 00-0068 EA 50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	403.20 33.66 73.98 13.50 58.50 90.50	66.60
07 72 13 00-0069 EA 51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	430.31 35.77 78.80 15.45 71.45 96.45	72.66
07 72 13 00-0070 EA 51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	467.41 38.87 85.61 18.60 81.60 115.60	78.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0071 EA 62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	367.08	60.54
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.65	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	67.36	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	45.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	83.30	
07 72 13 00-0072 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	391.20	66.60
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.46	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	71.58	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	94.10	
07 72 13 00-0073 EA 62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	428.31	72.66
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	35.57	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	78.40	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.30	
07 72 13 00-0074 EA 62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	441.31	72.66
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.87	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	81.00	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	117.30	
07 72 13 00-0075 EA 62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	479.41	78.71
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.07	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	88.01	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	23.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	73.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	137.10	
07 72 13 00-0076 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0002)</small>		
07 72 13 00-0077 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0076)</small>		
07 72 13 00-0078 EA 26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	226.87	48.44
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	17.84	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	40.53	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	3.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	24.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.30	
07 72 13 00-0079 EA 26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	239.87	48.44
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	19.14	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	43.13	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.05	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	32.05	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	42.05	
07 72 13 00-0080 EA 26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	276.98	54.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.25	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	49.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	39.95	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	46.95	
07 72 13 00-0081 EA 26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	306.98	54.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.25	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	55.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.60	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.60	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	58.60	
07 72 13 00-0082 EA 26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	328.98	54.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.45	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	60.35	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.15	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	58.15	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.15	
07 72 13 00-0083 EA 26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	421.08	60.54
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.05	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	78.16	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	10.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.95	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	74.95	
07 72 13 00-0084 EA 38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	263.87	48.44
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.54	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	47.93	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	5.25	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	45.25	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.25	
07 72 13 00-0085 EA 38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	284.98	54.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.05	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	51.55	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	48.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	65.30	

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0086	EA		38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....294.98	294.98	54.49
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.05	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	53.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	7.80	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.80	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	65.80	
07 72 13 00-0087	EA		38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....303.98	303.98	54.49
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.95	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	55.35	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	57.30	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	70.30	
07 72 13 00-0088	EA		38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....397.08	397.08	60.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	33.65	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	73.36	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.00	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	65.00	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	85.00	
07 72 13 00-0089	EA		38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....436.20	436.20	66.60
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.96	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	80.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.70	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	75.70	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	99.70	
07 72 13 00-0090	EA		50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....329.98	329.98	54.49
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.55	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	60.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.10	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.10	
07 72 13 00-0091	EA		50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....356.08	356.08	60.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.55	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	65.16	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.75	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	50.75	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	70.75	
07 72 13 00-0092	EA		50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....372.08	372.08	60.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.15	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	68.36	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	46.55	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	80.55	
07 72 13 00-0093	EA		50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....409.20	409.20	66.60
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.26	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	75.18	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.50	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	58.50	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	90.50	
07 72 13 00-0094	EA		51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....436.31	436.31	72.66
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.37	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	80.00	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.45	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.45	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.45	
07 72 13 00-0095	EA		51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....474.41	474.41	78.71
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	39.57	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	87.01	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.60	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	81.60	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	115.60	
07 72 13 00-0096	EA		62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....372.08	372.08	60.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.15	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	68.36	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	45.30	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	83.30	
07 72 13 00-0097	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....396.20	396.20	66.60
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.96	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	72.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.10	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	94.10	
07 72 13 00-0098	EA		62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....434.31	434.31	72.66
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.17	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	79.60	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.30	
07 72 13 00-0099	EA		62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....448.31	448.31	72.66
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	37.57	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	82.40	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	117.30	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72	13 00-0100	EA		62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	487.41	78.71
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.87	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	89.61	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	23.10	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	73.10	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	137.10	
07 72	13 00-0101			12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof		
				Curbs <small>(07 72 13 00-0076)</small>		
07 72	13 00-0102	EA		26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	235.87	48.44
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	18.74	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	42.33	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	3.30	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	24.30	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.30	
07 72	13 00-0103	EA		26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	250.87	48.44
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.24	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	45.33	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.05	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	32.05	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	42.05	
07 72	13 00-0104	EA		26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	291.98	54.49
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.75	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	52.95	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.95	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	39.95	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	46.95	
07 72	13 00-0105	EA		26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	324.98	54.49
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.05	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	59.55	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.60	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.60	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	58.60	
07 72	13 00-0106	EA		26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	351.98	54.49
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.75	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	64.95	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.15	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	58.15	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.15	
07 72	13 00-0107	EA		26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	425.08	60.54
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.45	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	78.96	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	10.95	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.95	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	74.95	
07 72	13 00-0108	EA		38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	276.87	48.44
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.84	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	50.53	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	5.25	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	45.25	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.25	
07 72	13 00-0109	EA		38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	300.98	54.49
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.65	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	54.75	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.30	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	48.30	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	65.30	
07 72	13 00-0110	EA		38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	313.98	54.49
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.95	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	57.35	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	7.80	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.80	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	65.80	
07 72	13 00-0111	EA		38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	325.98	54.49
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.15	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	59.75	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.30	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	57.30	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	70.30	
07 72	13 00-0112	EA		38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	421.08	60.54
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.05	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	78.16	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.00	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	65.00	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	85.00	
07 72	13 00-0113	EA		38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	465.20	66.60
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	39.86	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	86.38	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.70	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	75.70	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	99.70	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0114 EA 50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	347.98 29.35 64.15 8.10 52.10 63.10	54.49
07 72 13 00-0115 EA 50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	376.08 31.55 69.16 9.75 50.75 70.75	60.54
07 72 13 00-0116 EA 50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	395.08 33.45 72.96 11.55 46.55 80.55	60.54
07 72 13 00-0117 EA 50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	433.20 36.66 79.98 13.50 58.50 90.50	66.60
07 72 13 00-0118 EA 51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	464.31 39.17 85.60 15.45 71.45 96.45	72.66
07 72 13 00-0119 EA 51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	506.41 42.77 93.41 18.60 81.60 115.60	78.71
07 72 13 00-0120 EA 62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	395.08 33.45 72.96 12.30 45.30 83.30	60.54
07 72 13 00-0121 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	422.20 35.56 77.78 14.10 63.10 94.10	66.60
07 72 13 00-0122 EA 62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	462.31 38.97 85.20 18.30 67.30 96.30	72.66
07 72 13 00-0123 EA 62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	477.31 40.47 88.20 18.30 67.30 117.30	72.66
07 72 13 00-0124 EA 62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	521.41 44.27 96.41 23.10 73.10 137.10	78.71
07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0076)</small>		
07 72 13 00-0126 EA 26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	242.87 19.44 43.73 3.30 24.30 35.30	48.44
07 72 13 00-0127 EA 26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	258.87 21.04 46.93 4.05 32.05 42.05	48.44



Thermal And Moisture Protection	07
Roof And Wall Specialties And Accessories	07 70
Roof Accessories	07 72

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0128 EA 26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	300.98	54.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	24.65	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	54.75	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	4.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	39.95	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	46.95	
07 72 13 00-0129 EA 26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	336.98	54.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	28.25	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	61.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	6.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	51.60	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	58.60	
07 72 13 00-0130 EA 26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	366.98	54.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	31.25	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	67.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	58.15	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	64.15	
07 72 13 00-0131 EA 26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	457.08	60.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	39.65	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	85.36	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	10.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	55.95	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	74.95	
07 72 13 00-0132 EA 38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	286.87	48.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	23.84	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	52.53	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	5.25	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	45.25	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.25	
07 72 13 00-0133 EA 38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	317.98	54.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	26.35	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	58.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	6.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	48.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	65.30	
07 72 13 00-0134 EA 38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	335.98	54.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	28.15	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	61.75	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	7.80	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	51.80	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	65.80	
07 72 13 00-0135 EA 38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	339.98	54.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	28.55	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	62.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	57.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.30	
07 72 13 00-0136 EA 38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	439.08	60.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	37.85	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	81.76	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	65.00	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	85.00	
07 72 13 00-0137 EA 38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	485.20	66.60
For Sloped Roofs Up To 1 In 12 Pitch, Add	41.86	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	90.38	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.70	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	75.70	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	99.70	
07 72 13 00-0138 EA 50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	359.98	54.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	30.55	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	66.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	8.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	52.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.10	
07 72 13 00-0139 EA 50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	389.08	60.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	32.85	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	71.76	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.75	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	50.75	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.75	
07 72 13 00-0140 EA 50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	410.08	60.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	34.95	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	75.96	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	46.55	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	80.55	
07 72 13 00-0141 EA 50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	451.20	66.60
For Sloped Roofs Up To 1 In 12 Pitch, Add	38.46	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	83.58	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	13.50	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	58.50	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	90.50	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0142 EA 51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	482.31	72.66
For Sloped Roofs Up To 1 In 12 Pitch, Add	40.97	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	89.20	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	15.45	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	71.45	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	96.45	
07 72 13 00-0143 EA 51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	528.41	78.71
For Sloped Roofs Up To 1 In 12 Pitch, Add	44.97	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	97.81	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	81.60	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	115.60	
07 72 13 00-0144 EA 62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	410.08	60.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	34.95	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	75.96	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	45.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	83.30	
07 72 13 00-0145 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	440.20	66.60
For Sloped Roofs Up To 1 In 12 Pitch, Add	37.36	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	81.38	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	63.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	94.10	
07 72 13 00-0146 EA 62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	479.31	72.66
For Sloped Roofs Up To 1 In 12 Pitch, Add	40.67	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	88.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	96.30	
07 72 13 00-0147 EA 62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	497.31	72.66
For Sloped Roofs Up To 1 In 12 Pitch, Add	42.47	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	92.20	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	117.30	
07 72 13 00-0148 EA 62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	543.41	78.71
For Sloped Roofs Up To 1 In 12 Pitch, Add	46.47	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	100.81	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	23.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	73.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	137.10	
07 72 13 00-0149 Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs ^(07 72 13 00-0001)		
Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.		
07 72 13 00-0150 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs ^(07 72 13 00-0149)		
07 72 13 00-0151 EA 14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	284.51	48.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	23.61	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	52.06	
07 72 13 00-0152 EA 23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	367.81	48.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	31.94	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	68.72	
07 72 13 00-0153 EA 32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	426.24	54.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	37.18	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	79.80	
07 72 13 00-0154 EA 41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	492.76	54.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	43.83	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	93.10	
07 72 13 00-0155 EA 50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	543.53	60.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	48.30	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	102.65	
07 72 13 00-0156 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs ^(07 72 13 00-0149)		
07 72 13 00-0157 EA 14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	406.48	48.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	35.80	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	76.45	
07 72 13 00-0158 EA 23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	519.53	48.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	47.11	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	99.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0159 EA 32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	534.83	54.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	48.03	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	101.52	
07 72 13 00-0160 EA 41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	577.33	54.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	52.28	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	110.02	
07 72 13 00-0161 EA 50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	648.93	60.54
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	58.84	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	123.73	
07 72 13 00-0162 EA 64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	824.68	66.60
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	75.81	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	158.28	
07 72 13 00-0163 18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0149)</small>		
07 72 13 00-0164 EA 17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	606.87	48.44
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	55.84	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	116.53	
07 72 13 00-0165 EA 24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	722.47	48.44
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	67.40	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	139.65	
07 72 13 00-0166 EA 31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	871.86	54.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	81.74	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	168.92	
07 72 13 00-0167 Wood, Prefabricated Roof Curbs <small>(07 72 13)</small> Note: Includes Douglas fir construction, galvanized steel corner straps and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0168 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0167)</small>		
07 72 13 00-0169 2 x 6 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0168)</small>		
07 72 13 00-0170 EA 26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	177.87	48.44
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	12.94	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	30.73	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	3.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	24.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.30	
07 72 13 00-0171 EA 26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	195.98	54.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	14.15	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	33.75	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	39.95	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	46.95	
07 72 13 00-0172 EA 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	221.98	54.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	16.75	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	38.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.15	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	58.15	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.15	
07 72 13 00-0173 EA 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	218.98	54.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	16.45	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	38.35	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	7.80	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.80	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	65.80	
07 72 13 00-0174 EA 38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	225.98	54.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	17.15	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	39.75	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	57.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	70.30	
07 72 13 00-0175 EA 38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	255.08	60.54
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	19.45	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	44.96	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.00	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	65.00	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	85.00	
07 72 13 00-0176 EA 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	223.98	54.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	16.95	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	39.35	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.10	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0177	EA		50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb .....264.08	264.08	60.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.35	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	46.76	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	46.55	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	80.55	
07 72 13 00-0178	EA		51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb .....288.31	288.31	72.66
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.57	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	50.40	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.45	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.45	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.45	
07 72 13 00-0179	EA		62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb .....246.08	246.08	60.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	18.55	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	43.16	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	45.30	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	83.30	
07 72 13 00-0180	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb .....270.20	270.20	66.60
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.36	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	47.38	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.10	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	94.10	
07 72 13 00-0181	EA		62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb .....308.31	308.31	72.66
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.57	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	54.40	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	117.30	
07 72 13 00-0182			2 x 8 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)		
07 72 13 00-0183	EA		26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb .....183.87	183.87	48.44
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	13.54	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	31.93	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	3.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	24.30	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.30	
07 72 13 00-0184	EA		26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb .....202.98	202.98	54.49
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	14.85	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	35.15	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.95	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	39.95	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	46.95	
07 72 13 00-0185	EA		26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb .....240.98	240.98	54.49
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	18.65	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	42.75	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.15	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	58.15	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.15	
07 72 13 00-0186	EA		38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb .....230.98	230.98	54.49
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	17.65	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	40.75	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	7.80	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.80	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	65.80	
07 72 13 00-0187	EA		38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb .....240.98	240.98	54.49
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	18.65	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	42.75	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	57.30	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	70.30	
07 72 13 00-0188	EA		38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb .....270.08	270.08	60.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.95	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	47.96	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.00	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	65.00	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	85.00	
07 72 13 00-0189	EA		50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb .....234.98	234.98	54.49
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	18.05	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	41.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.10	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.10	
07 72 13 00-0190	EA		50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb .....278.08	278.08	60.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.75	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	49.56	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	46.55	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	80.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0191 EA 51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	302.31	72.66
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.97	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	53.20	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.45	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.45	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.45	
07 72 13 00-0192 EA 62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	257.08	60.54
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	19.65	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	45.36	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	45.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	83.30	
07 72 13 00-0193 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	283.20	66.60
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.66	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	49.98	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	94.10	
07 72 13 00-0194 EA 62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	322.31	72.66
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.97	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	57.20	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	117.30	
07 72 13 00-0195 2 x 10 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0168)</small>		
07 72 13 00-0196 EA 26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	187.87	48.44
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	13.94	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	32.73	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	3.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	24.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.30	
07 72 13 00-0197 EA 26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	209.98	54.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	15.55	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	36.55	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	39.95	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	46.95	
07 72 13 00-0198 EA 26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	242.98	54.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	18.85	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	43.15	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.15	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	58.15	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.15	
07 72 13 00-0199 EA 38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	237.98	54.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	18.35	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	42.15	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	7.80	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.80	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	65.80	
07 72 13 00-0200 EA 38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	249.98	54.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	19.55	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	44.55	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	57.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	70.30	
07 72 13 00-0201 EA 38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	280.08	60.54
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.95	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	49.96	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.00	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	65.00	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	85.00	
07 72 13 00-0202 EA 50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	241.98	54.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	18.75	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	42.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.10	
07 72 13 00-0203 EA 50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	287.08	60.54
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.65	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	51.36	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.55	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	46.55	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	80.55	
07 72 13 00-0204 EA 51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	311.31	72.66
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.87	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	55.00	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.45	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.45	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.45	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0205 EA 62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	264.08 20.35 46.76 12.30 45.30 83.30	60.54
07 72 13 00-0206 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	291.20 22.46 51.58 14.10 63.10 94.10	66.60
07 72 13 00-0207 EA 62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	332.31 25.97 59.20 18.30 67.30 117.30	72.66
07 72 13 00-0208 2 x 12 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)		
07 72 13 00-0209 EA 26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	192.87 14.44 33.73 3.30 24.30 35.30	48.44
07 72 13 00-0210 EA 26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	213.98 15.95 37.35 4.95 39.95 46.95	54.49
07 72 13 00-0211 EA 26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	251.98 19.75 44.95 9.15 58.15 64.15	54.49
07 72 13 00-0212 EA 38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	259.98 20.55 46.55 9.30 57.30 70.30	54.49
07 72 13 00-0213 EA 38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	291.08 23.05 52.16 12.00 65.00 85.00	60.54
07 72 13 00-0214 EA 50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	250.98 19.65 44.75 8.10 52.10 63.10	54.49
07 72 13 00-0215 EA 50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	297.08 23.65 53.36 11.55 46.55 80.55	60.54
07 72 13 00-0216 EA 51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	323.31 25.07 57.40 15.45 71.45 96.45	72.66
07 72 13 00-0217 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	299.20 23.26 53.18 14.10 63.10 94.10	66.60
07 72 13 00-0218 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0167)		
07 72 13 00-0219 2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)		
07 72 13 00-0220 EA 26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	185.87 13.74 32.33 3.30 24.30 35.30	48.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0221 EA 26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	202.98 14.85 35.15 4.95 39.95 46.95	54.49
07 72 13 00-0222 EA 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	234.98 18.05 41.55 9.15 58.15 64.15	54.49
07 72 13 00-0223 EA 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	227.98 17.35 40.15 7.80 51.80 65.80	54.49
07 72 13 00-0224 EA 38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	236.98 18.25 41.95 9.30 57.30 70.30	54.49
07 72 13 00-0225 EA 38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	267.08 20.65 47.36 12.00 65.00 85.00	60.54
07 72 13 00-0226 EA 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	232.98 17.85 41.15 8.10 52.10 63.10	54.49
07 72 13 00-0227 EA 50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	275.08 21.45 48.96 11.55 46.55 80.55	60.54
07 72 13 00-0228 EA 51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	299.31 22.67 52.60 15.45 71.45 96.45	72.66
07 72 13 00-0229 EA 62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	258.08 19.75 45.56 12.30 45.30 83.30	60.54
07 72 13 00-0230 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	281.20 21.46 49.58 14.10 63.10 94.10	66.60
07 72 13 00-0231 EA 62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	322.31 24.97 57.20 18.30 67.30 117.30	72.66
07 72 13 00-0232 2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)		
07 72 13 00-0233 EA 26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	192.87 14.44 33.73 3.30 24.30 35.30	48.44
07 72 13 00-0234 EA 26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	210.98 15.65 36.75 4.95 39.95 46.95	54.49

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0235 EA 26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	246.98	54.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	19.25	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	43.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	58.15	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	64.15	
07 72 13 00-0236 EA 38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	239.98	54.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	18.55	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	42.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	7.80	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	51.80	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	65.80	
07 72 13 00-0237 EA 38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	252.98	54.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	19.85	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	45.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	57.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.30	
07 72 13 00-0238 EA 38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	285.08	60.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	22.45	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	50.96	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	65.00	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	85.00	
07 72 13 00-0239 EA 50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	246.98	54.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	19.25	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	43.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	8.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	52.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.10	
07 72 13 00-0240 EA 50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	292.08	60.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	23.15	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	52.36	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	46.55	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	80.55	
07 72 13 00-0241 EA 51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	318.31	72.66
For Sloped Roofs Up To 1 In 12 Pitch, Add	24.57	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	56.40	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	15.45	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	71.45	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	96.45	
07 72 13 00-0242 EA 62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	271.08	60.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	21.05	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	48.16	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	45.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	83.30	
07 72 13 00-0243 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	296.20	66.60
For Sloped Roofs Up To 1 In 12 Pitch, Add	22.96	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	52.58	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	63.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	94.10	
07 72 13 00-0244 EA 62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	339.31	72.66
For Sloped Roofs Up To 1 In 12 Pitch, Add	26.67	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	60.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	117.30	
07 72 13 00-0245 2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		
07 72 13 00-0246 EA 26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	198.87	48.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	15.04	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	34.93	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	3.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	24.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	35.30	
07 72 13 00-0247 EA 26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	218.98	54.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	16.45	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	38.35	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	4.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	39.95	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	46.95	
07 72 13 00-0248 EA 26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	258.98	54.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	20.45	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	46.35	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	58.15	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	64.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0249 EA 38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	248.98 19.45 44.35 7.80 51.80 65.80	54.49
07 72 13 00-0250 EA 38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	264.98 21.05 47.55 9.30 57.30 70.30	54.49
07 72 13 00-0251 EA 38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	298.08 23.75 53.56 12.00 65.00 85.00	60.54
07 72 13 00-0252 EA 50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	255.98 20.15 45.75 8.10 52.10 63.10	54.49
07 72 13 00-0253 EA 50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	303.08 24.25 54.56 11.55 46.55 80.55	60.54
07 72 13 00-0254 EA 51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	330.31 25.77 58.80 15.45 71.45 96.45	72.66
07 72 13 00-0255 EA 62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	281.08 22.05 50.16 12.30 45.30 83.30	60.54
07 72 13 00-0256 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	307.20 24.06 54.78 14.10 63.10 94.10	66.60
07 72 13 00-0257 EA 62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	352.31 27.97 63.20 18.30 67.30 117.30	72.66
07 72 13 00-0258 2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		
07 72 13 00-0259 EA 26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	210.87 16.24 37.33 3.30 24.30 35.30	48.44
07 72 13 00-0260 EA 26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	224.98 17.05 39.55 4.95 39.95 46.95	54.49
07 72 13 00-0261 EA 26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	267.98 21.35 48.15 9.15 58.15 64.15	54.49
07 72 13 00-0262 EA 38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	274.98 22.05 49.55 9.30 57.30 70.30	54.49

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0263	EA		38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	336.08	60.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.55	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	61.16	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.00	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	65.00	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	85.00	
07 72 13 00-0264	EA		50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	284.98	54.49
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.05	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	51.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.10	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.10	
07 72 13 00-0265	EA		50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	338.08	60.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.75	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	61.56	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	46.55	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	80.55	
07 72 13 00-0266	EA		51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	370.31	72.66
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.77	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	66.80	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.45	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.45	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.45	
07 72 13 00-0267	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	344.20	66.60
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.76	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	62.18	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.10	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	94.10	

07 72 23 Relief Vents (07 72)**07 72 23 00-0001 Wind Driven Turbine Ventilators (07 72 23)**

Note: Excludes curb or flange base.

07 72 23 00-0002 Galvanized Steel, Wind Driven Turbine Ventilators (07 72 23 00-0001)

07 72 23 00-0003	EA		6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	85.75	19.61
			<i>For Curb Or Flange Base, Add</i>	98.83	
07 72 23 00-0004	EA		9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	102.61	21.71
			<i>For Curb Or Flange Base, Add</i>	108.84	
07 72 23 00-0005	EA		12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	111.35	25.91
			<i>For Curb Or Flange Base, Add</i>	121.96	
07 72 23 00-0006	EA		15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	209.02	28.72
			<i>For Curb Or Flange Base, Add</i>	190.15	
07 72 23 00-0007	EA		18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	286.27	32.21
			<i>For Curb Or Flange Base, Add</i>	206.45	
07 72 23 00-0008	EA		21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	344.46	35.02
			<i>For Curb Or Flange Base, Add</i>	223.95	
07 72 23 00-0009	EA		24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	438.86	39.22
			<i>For Curb Or Flange Base, Add</i>	272.75	
07 72 23 00-0010	EA		36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	722.33	52.53
			<i>For Curb Or Flange Base, Add</i>	442.07	

07 72 23 00-0011 Mill Finish Aluminum, Wind Driven Turbine Ventilators (07 72 23 00-0001)

07 72 23 00-0012	EA		6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	90.26	19.61
			<i>For Curb Or Flange Base, Add</i>	108.80	
07 72 23 00-0013	EA		9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	112.42	21.71
			<i>For Curb Or Flange Base, Add</i>	119.87	
07 72 23 00-0014	EA		12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	125.98	25.91
			<i>For Curb Or Flange Base, Add</i>	133.20	
07 72 23 00-0015	EA		15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	223.54	28.72
			<i>For Curb Or Flange Base, Add</i>	225.87	
07 72 23 00-0016	EA		18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	288.25	32.21
			<i>For Curb Or Flange Base, Add</i>	241.57	
07 72 23 00-0017	EA		21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	364.36	35.02
			<i>For Curb Or Flange Base, Add</i>	272.01	
07 72 23 00-0018	EA		24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	491.65	39.22
			<i>For Curb Or Flange Base, Add</i>	328.22	
07 72 23 00-0019	EA		36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	732.05	52.53
			<i>For Curb Or Flange Base, Add</i>	492.72	

07 72 23 00-0020 Stationary Siphon Ventilators (07 72 23)

Note: Excludes curb or flange base.

07 72 23 00-0021 Galvanized Steel, Stationary Siphon Ventilators (07 72 23 00-0020)

07 72 23 00-0022	EA		6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	73.08	19.61
			<i>For Curb Or Flange Base, Add</i>	98.83	
07 72 23 00-0023	EA		9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	95.36	21.71
			<i>For Curb Or Flange Base, Add</i>	108.84	
07 72 23 00-0024	EA		12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	105.41	25.91
			<i>For Curb Or Flange Base, Add</i>	121.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0025 EA 15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	176.49 190.15	28.72
07 72 23 00-0026 EA 18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	203.95 206.45	32.21
07 72 23 00-0027 EA 21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	286.28 223.95	35.02
07 72 23 00-0028 EA 24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	371.44 272.75	39.22
07 72 23 00-0029 EA 36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	537.36 442.07	52.53
07 72 23 00-0030 Mill Finish Aluminum, Stationary Siphon Ventilators (07 72 23 00-0020)		
07 72 23 00-0031 EA 6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	86.81 108.80	19.61
07 72 23 00-0032 EA 9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	114.48 119.87	21.71
07 72 23 00-0033 EA 12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	127.72 133.20	25.91
07 72 23 00-0034 EA 15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	207.27 225.87	28.72
07 72 23 00-0035 EA 18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	260.59 241.57	32.21
07 72 23 00-0036 EA 21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	319.41 272.01	35.02
07 72 23 00-0037 EA 24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	457.09 328.22	39.22
07 72 23 00-0038 EA 36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	687.88 492.72	52.53
07 72 23 00-0039 Spun Aluminum, Stationary Mushroom Gravity Ventilators (07 72 23)		
Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0040 EA 8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	177.44 93.87 138.65	31.52
07 72 23 00-0041 EA 10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	218.97 102.71 151.65	35.02
07 72 23 00-0042 EA 12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	247.53 140.26 192.36	42.02
07 72 23 00-0043 EA 16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	302.21 160.14 222.97	46.23
07 72 23 00-0044 EA 24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	808.08 201.00 293.51	63.04
07 72 23 00-0045 EA 30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	987.20 237.44 350.95	72.84
07 72 23 00-0046 EA 36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	1,346.54 237.44 364.84	84.05
07 72 23 00-0047 EA 42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	1,895.25 248.49 377.93	91.06
07 72 23 00-0048 EA 48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	2,730.02 276.10 425.28	98.05
07 72 23 00-0049 Galvanized Steel, Stationary Gooseneck Ventilators (07 72 23)		
Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0050 EA 8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	299.73	35.02
07 72 23 00-0051 EA 12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	352.76	46.23
07 72 23 00-0052 EA 16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	507.11	63.04
07 72 23 00-0053 EA 24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	781.29	72.84
07 72 26 Ridge Vents (07 72)		
07 72 26 00-0001 Aluminum Ridge Vents (07 72 26)		
07 72 26 00-0002 LF Aluminum Ridge Vent Strips.....	6.43	2.04
07 72 26 00-0003 EA Aluminum Ridge Univent Connectors.....	30.09	12.61
07 72 26 00-0004 EA Aluminum Ridge Univent End Cap.....	28.94	12.61
07 72 26 00-0005 Galvanized Ridge Vents (07 72 26)		
07 72 26 00-0006 LF Galvanized Sheet Metal Ridge Vent Strips.....	7.65	2.17
07 72 29 Rafter Vent (07 72)		

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 29 00-0001	Rafter Vent (07 72 29)		
	Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.		
07 72 29 00-0002	EA 22" x 4' Rafter Vent.....	5.52	
07 72 29 00-0003	EA 14" x 4' Rafter Vent.....	4.98	
07 72 33	Roof Hatches (07 72)		
	Note: Includes curb with integral insulation, lockable hatch and gaskets.		
07 72 33 00-0001	Galvanized Steel Cover And Curb (07 72 33)		
07 72 33 00-0002	EA 2'-6" x 3'-0" Galvanized Steel Roof Hatch (Bilco S-20).....	823.95	89.85
07 72 33 00-0003	EA 2'-6" x 4'-6" Galvanized Steel Roof Hatch (Bilco NB-20).....	1,218.05	99.83
07 72 33 00-0004	EA 2'-6" x 8'-0" Galvanized Steel Roof Hatch (Bilco L-20).....	2,162.09	136.15
07 72 33 00-0005	EA 3'-0" x 3'-0" Galvanized Steel Roof Hatch (Bilco E-20).....	1,202.13	99.83
07 72 33 00-0006	EA 4'-0" x 4'-0" Galvanized Steel Roof Hatch.....	1,357.15	110.94
07 72 33 00-0007	EA 3'-0" x 8'-0" Galvanized Steel Roof Hatch.....	2,234.86	151.31
07 72 33 00-0008	Aluminum Cover And Curb (07 72 33)		
07 72 33 00-0009	EA 2'-6" x 3'-0" Aluminum Roof Hatch (Bilco S-50).....	939.24	89.85
07 72 33 00-0010	EA 2'-6" x 4'-6" Aluminum Roof Hatch (Bilco NB-50).....	1,235.58	99.83
07 72 33 00-0011	EA 2'-6" x 8'-0" Aluminum Roof Hatch (Bilco L-50).....	2,285.35	136.15
07 72 33 00-0012	EA 3'-0" x 3'-0" Aluminum Roof Hatch (Bilco E-50).....	1,213.28	99.83
07 72 33 00-0013	EA 4'-0" x 4'-0" Aluminum Roof Hatch (Bilco F-50).....	2,217.33	110.94
07 72 33 00-0014	EA 3'-0" x 8'-0" Aluminum Roof Hatch.....	2,412.85	151.31
07 72 33 00-0015	EA 3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight (Bilco GS-50).....	1,372.78	99.83
07 72 33 00-0016	Steel, Plain, Primed (07 72 33)		
07 72 33 00-0017	EA 2'-6" x 3'-0" Plain Steel Roof Hatch Primed (Bilco S-20).....	789.08	89.85
07 72 33 00-0018	EA 2'-6" x 4'-6" Plain Steel Roof Hatch Primed (Bilco NB-20).....	1,073.23	99.83
07 72 33 00-0019	EA 2'-6" x 8'-0" Plain Steel Roof Hatch Primed (Bilco L-20).....	1,470.44	136.15
07 72 33 00-0020	EA 3'-0" x 3'-0" Plain Steel Roof Hatch Primed (Bilco E-20).....	996.25	99.83
07 72 33 00-0021	EA 4'-0" x 4'-0" Plain Steel Roof Hatch Primed.....	1,224.33	110.94
07 72 33 00-0022	EA 3'-0" x 8'-0" Plain Steel Roof Hatch Primed.....	1,663.72	151.31
07 72 33 00-0023	Stainless Steel (07 72 33)		
07 72 33 00-0024	EA 2'-6" x 3'-0" Stainless Steel Roof Hatch (Bilco S-90).....	2,185.16	89.85
07 72 33 00-0025	EA 2'-6" x 4'-6" Stainless Steel Roof Hatch (Bilco NB-90).....	4,244.92	99.83
07 72 33 00-0026	EA 2'-6" x 8'-0" Stainless Steel Roof Hatch (Bilco L-90).....	6,395.71	136.15
07 72 33 00-0027	EA 3'-0" x 3'-0" Stainless Steel Roof Hatch (Bilco E-90).....	3,395.74	99.83
07 72 33 00-0028	EA 4'-0" x 4'-0" Stainless Steel Roof Hatch.....	7,258.72	110.94
07 72 33 00-0029	EA 3'-0" x 8'-0" Stainless Steel Roof Hatch.....	8,108.94	151.31
07 72 33 00-0030	Remove And Reinstall Roof Hatch (07 72 33)		
	Note: Includes storage, cleaning and supply materials.		
07 72 33 00-0031	EA Removal And Reinstallation Of Roof Hatch (All Types).....	276.37	
07 72 33 00-0032	Aluminum Cover And Galvanized Steel Curb (07 72 33)		
07 72 33 00-0033	EA Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof (Bilco S-40).....	907.36	99.83
07 72 33 00-0034	EA Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof (Bilco NB-40).....	1,203.70	110.94
07 72 33 00-0035	EA Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof (Bilco L-40).....	2,202.47	151.25
07 72 33 00-0036	EA Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof (Bilco E-40).....	1,187.78	102.96
07 72 33 00-0037	EA Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof (Bilco F-40).....	2,147.20	114.07
07 72 33 00-0038	Roof Hatch Accessories (07 72 33)		
07 72 33 00-0039	EA Roof Hatch Ladderup Safety Post (Bilco LU-1).....	546.27	46.80
07 72 36	Smoke Vents (07 72)		
07 72 36 00-0001	Fire Vent (07 72 36)		
07 72 36 00-0002	Galvanized Steel Covers And Curb (07 72 36 00-0001)		
07 72 36 00-0003	EA 4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848).....	2,196.86	83.24
07 72 36 00-0004	EA 4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872).....	2,522.60	114.44
07 72 36 00-0005	EA 4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890).....	2,876.91	124.86
07 72 36 00-0006	EA 4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896).....	2,932.76	131.10
07 72 36 00-0007	EA 5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060).....	3,412.53	114.44
07 72 36 00-0008	EA 5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072).....	3,627.37	124.86
07 72 36 00-0009	EA 5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084).....	3,828.90	135.28
07 72 36 00-0010	EA 5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096).....	4,362.52	145.69
07 72 36 00-0011	EA 5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120).....	5,420.81	156.05
07 72 36 00-0012	EA 5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666).....	3,623.02	135.28
07 72 36 00-0013	EA 5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114).....	7,654.58	166.48
07 72 36 00-0014	EA 6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272).....	4,170.24	176.90



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 36 00-0015 Aluminum Covers And Galvanized Steel Curb (07 72 36 00-0001)				
	EA	4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4848A)	2,190.48	83.24
	EA	4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4872A)	2,498.69	114.44
	EA	4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4890A)	2,813.95	124.86
	EA	4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4896A)	2,912.57	131.10
	EA	5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6060A)	2,836.60	114.44
	EA	5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6072A)	3,636.40	124.86
	EA	5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6084A)	3,887.88	135.28
	EA	5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6096A)	3,775.96	145.69
	EA	5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-60120A)	5,334.47	156.05
	EA	5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6666A)	3,664.73	135.28
	EA	5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-66144A)	7,020.48	166.48
	EA	6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-7272A)	3,567.74	176.90
07 72 36 00-0028 Aluminum Covers And Curb (07 72 36 00-0001)				
	EA	4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848B)	2,394.50	83.24
	EA	4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872B)	2,836.60	114.44
	EA	4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890B)	3,113.60	124.86
	EA	4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896B)	3,295.10	131.10
	EA	5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060B)	2,989.62	114.44
	EA	5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072B)	3,795.79	124.86
	EA	5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084B)	4,028.14	135.28
	EA	5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096B)	4,158.50	145.69
	EA	5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120B)	5,060.32	156.05
	EA	5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666B)	3,843.25	135.28
	EA	5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114B)	7,677.16	166.48
	EA	6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272B)	3,950.28	176.90
07 72 36 00-0041 Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb (07 72 36)				
	EA	4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4848B).....	2,369.00	82.99
	EA	4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4872B).....	2,995.98	114.44
	EA	4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4896B).....	3,161.21	131.10
	EA	5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6060B).....	3,410.40	114.44
	EA	5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6096B).....	3,584.71	145.69
07 72 46 Roof Walkways (07 72)				
07 72 46 00-0001 Recycled Rubber Walkway Pads (07 72 46)				
	SF	3/8" Thick, Button Surface, Recycled Rubber Walkway Pad	5.94	1.34
		<i>For Diamond Surface, Add</i>	0.55	
	SF	1/2" Thick, Button Surface, Recycled Rubber Walkway Pad	6.64	1.61
		<i>For Diamond Surface, Add</i>	0.65	
	SF	3/4" Thick, Button Surface, Recycled Rubber Walkway Pad	7.34	1.61
		<i>For Diamond Surface, Add</i>	0.72	
07 72 63 Waste Containment Assemblies (07 72)				
07 72 63 00-0001 Rooftop Oil And Grease Containment System (07 72 63)				
07 72 63 00-0002 Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E) (07 72 63 00-0001)				
	EA	48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E).....	1,526.02	108.43
	EA	60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E).....	1,709.88	108.43
	EA	60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E).....	2,104.39	112.76
	EA	72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E).....	2,093.88	112.76
	EA	72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E).....	2,743.68	121.98
	EA	72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E).....	2,131.50	121.98
	EA	90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E).....	2,372.67	144.53
	EA	108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E).....	3,505.77	180.70
	EA	120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E).....	4,367.53	180.70

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0012 EA 144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E).....	5,549.83	180.70
07 72 63 00-0013 Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD) (07 72 63 00-0001)		
07 72 63 00-0014 EA 48" Length, 48" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100).....	1,885.92	108.43
07 72 63 00-0015 EA 60" Length, 60" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101).....	2,125.01	108.43
07 72 63 00-0016 EA 60" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106).....	2,632.49	112.76
07 72 63 00-0017 EA 72" Length, 72" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102).....	2,679.80	112.76
07 72 63 00-0018 EA 72" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103).....	3,839.28	121.98
07 72 63 00-0019 EA 72" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111).....	4,214.99	121.98
07 72 63 00-0020 EA 90" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105).....	3,907.04	144.53
07 72 63 00-0021 EA 108" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112).....	4,393.80	180.70
07 72 63 00-0022 EA 120" Length, 120" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107).....	5,515.68	180.70
07 72 63 00-0023 EA 144" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113).....	7,052.67	180.70
07 72 63 00-0024 Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63)		
Note: Includes removing old filters and installing new filters.		
07 72 63 00-0025 Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0024)		
07 72 63 00-0026 Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0025)		
07 72 63 00-0027 SET 48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E).....	126.69	
07 72 63 00-0028 SET 60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E).....	179.24	
07 72 63 00-0029 SET 60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E).....	258.05	
07 72 63 00-0030 SET 72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E).....	237.21	
07 72 63 00-0031 SET 72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E).....	447.40	
07 72 63 00-0032 SET 72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E).....	452.65	
07 72 63 00-0033 SET 90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E).....	347.73	
07 72 63 00-0034 SET 108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E).....	452.82	
07 72 63 00-0035 SET 120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E).....	665.64	
07 72 63 00-0036 SET 144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E).....	878.45	
07 72 63 00-0037 Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0024)		
07 72 63 00-0038 Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0037)		
07 72 63 00-0039 SET 48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC).....	266.18	
07 72 63 00-0040 SET 60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC).....	355.52	
07 72 63 00-0041 SET 60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC).....	518.42	
07 72 63 00-0042 SET 72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC).....	481.79	
07 72 63 00-0043 SET 72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC).....	931.07	
07 72 63 00-0044 SET 72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC).....	936.32	
07 72 63 00-0045 SET 90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC).....	692.15	
07 72 63 00-0046 SET 108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC).....	936.50	
07 72 63 00-0047 SET 120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC).....	1,375.26	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 72 63 00-0048	SET	144"	Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC).....	1,832.42	
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07 72 63 00-0049 Heavy Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0037)

07 72 63 00-0050	SET	48"	Length, 48" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C).....	331.87	
07 72 63 00-0051	SET	60"	Length, 60" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C).....	413.32	
07 72 63 00-0052	SET	60"	Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C).....	607.74	
07 72 63 00-0053	SET	72"	Length, 72" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C).....	573.75	
07 72 63 00-0054	SET	72"	Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C).....	1,122.86	
07 72 63 00-0055	SET	72"	Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C).....	1,117.61	
07 72 63 00-0056	SET	90"	Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C).....	813.02	
07 72 63 00-0057	SET	108"	Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C).....	1,128.29	
07 72 63 00-0058	SET	120"	Length, 120" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C).....	1,585.45	
07 72 63 00-0059	SET	144"	Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C).....	2,208.13	

07 73 Roof Protection Board (07 70)

07 73 00 00-0001 Roof Protection Board (Georgia-Pacific DensDeck®) (07 73)

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.

07 73 00 00-0002	SF	1/4"	Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®).....	1.93	0.27
			<i>For No Adhesive, Deduct</i>	-0.44	
			<i>For Hot-Mopped, Deduct</i>	-0.12	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.25	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.40	
07 73 00 00-0003	SF	1/2"	Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®).....	2.19	0.30
			<i>For No Adhesive, Deduct</i>	-0.45	
			<i>For Hot-Mopped, Deduct</i>	-0.11	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.29	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.44	
07 73 00 00-0004	SF	5/8"	Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®).....	2.30	0.32
			<i>For No Adhesive, Deduct</i>	-0.46	
			<i>For Hot-Mopped, Deduct</i>	-0.10	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.32	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.47	
07 73 00 00-0005	SF	1/4"	Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime).....	1.96	0.27
			<i>For No Adhesive, Deduct</i>	-0.44	
			<i>For Hot-Mopped, Deduct</i>	-0.12	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.25	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.40	
07 73 00 00-0006	SF	1/2"	Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime).....	2.23	0.30
			<i>For No Adhesive, Deduct</i>	-0.45	
			<i>For Hot-Mopped, Deduct</i>	-0.11	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.29	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.44	
07 73 00 00-0007	SF	5/8"	Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime).....	2.34	0.32
			<i>For No Adhesive, Deduct</i>	-0.46	
			<i>For Hot-Mopped, Deduct</i>	-0.10	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.32	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.47	

07 76 Roof Pavers (07 70)

07 76 16 Roof Decking Pavers (07 76)

07 76 16 00-0001 Roof Pavers (07 76 16)

Note: For walkway application over roofing system.

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 76	Roof Pavers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 76 16 00-0002 SF Up To 100 SF, 2" Concrete Roof Paver.....	7.49	3.48
For 1-1/2" Thickness, Deduct	-0.61	
For 2-1/2" Thickness, Add	0.61	
For 3" Thickness, Add	1.22	
07 76 16 00-0003 SF >100 To 200 SF, 2" Concrete Roof Paver.....	6.41	2.62
For 1-1/2" Thickness, Deduct	-0.51	
For 2-1/2" Thickness, Add	0.51	
For 3" Thickness, Add	1.02	
07 76 16 00-0004 SF >200 To 400 SF, 2" Concrete Roof Paver.....	5.52	2.09
For 1-1/2" Thickness, Deduct	-0.43	
For 2-1/2" Thickness, Add	0.43	
For 3" Thickness, Add	0.85	
07 76 16 00-0005 SF >400 To 1,000 SF, 2" Concrete Roof Paver.....	4.95	1.82
For 1-1/2" Thickness, Deduct	-0.38	
For 2-1/2" Thickness, Add	0.38	
For 3" Thickness, Add	0.75	
07 76 16 00-0006 SF >1,000 SF, 2" Concrete Roof Paver.....	4.57	1.66
For 1-1/2" Thickness, Deduct	-0.35	
For 2-1/2" Thickness, Add	0.35	
For 3" Thickness, Add	0.69	
07 76 16 00-0007 Roof Paver Pedestal (07 76 16)		
07 76 16 00-0008 EA 2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator).....	12.58	0.54
07 76 16 00-0009 EA 3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator).....	13.12	0.54
07 76 16 00-0010 EA 4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator).....	13.67	0.54
07 76 16 00-0011 EA Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator).....	7.06	0.54
07 76 16 00-0012 EA Stay Bar, Used With Roof Paver Pedestals >16' High (Hanover Elevator).....	6.08	0.54
07 76 16 00-0013 EA 5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal).....	6.23	0.54
Note: Stackable.		
07 76 16 00-0014 EA 1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal.....	3.54	0.54
Note: Used with High Tab and Elevator pedestals.		
07 76 16 00-0015 EA Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator).....	4.58	0.54
Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.		
07 76 19 Composite Insulation Concrete Protection Board (07 76)		
Note: Manufactured by T. Clear Corp. 25 year warranty.		
07 76 19 00-0001 Composite Insulation Concrete Protection Board (07 76 19)		
Note: Manufactured by T. Clear Corp. 25 year warranty.		
07 76 19 00-0002 SF 2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF.....	2.94	
For 20 Year Warranty, Deduct	-0.18	
For 15 Year Warranty, Deduct	-0.36	
For 10 Year Warranty, Deduct	-0.49	
For Winds >90 MPH To 120 MPH Warranty, Add	0.10	
07 76 19 00-0003 SF 3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF.....	3.86	
For 20 Year Warranty, Deduct	-0.26	
For 15 Year Warranty, Deduct	-0.52	
For 10 Year Warranty, Deduct	-0.70	
For Winds >90 MPH To 120 MPH Warranty, Add	0.10	
07 76 19 00-0004 SF 2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF.....	4.54	
For 20 Year Warranty, Deduct	-0.30	
For 15 Year Warranty, Deduct	-0.60	
For 10 Year Warranty, Deduct	-0.81	
For Winds >90 MPH To 120 MPH Warranty, Add	0.10	
07 76 19 00-0005 SF 3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF.....	5.49	
For 20 Year Warranty, Deduct	-0.38	
For 15 Year Warranty, Deduct	-0.75	
For 10 Year Warranty, Deduct	-1.02	
For Winds >90 MPH To 120 MPH Warranty, Add	0.10	
07 80 Fire And Smoke Protection (07)		
07 81 Applied Fireproofing (07 80)		
Note: Includes bonding agents as required.		
07 81 16 Cementitious Fireproofing (07 81)		
07 81 16 00-0001 Cementitious Fireproofing (07 81 16)		
07 81 16 00-0002 Spray On Ceiling (Metal Decking Corrugated Or Fluted) (07 81 16 00-0001)		
07 81 16 00-0003 SF Spray Fireproofing For Ceiling, 1 Hour Rated 1/2" Thick Coverage.....	0.86	0.43
07 81 16 00-0004 SF Spray Fireproofing For Ceiling, 2 Hour Rated 7/8" Thick Coverage.....	1.22	0.52
07 81 16 00-0005 Spray On Roofs And Beams (07 81 16 00-0001)		
07 81 16 00-0006 SF Spray Fireproofing For Beams And Roofs, 1 Hour Rated 1-3/8" Thick Coverage.....	1.85	0.63
07 81 16 00-0007 SF Spray Fireproofing For Beams And Roofs, 2 Hour Rated 1-1/2" Thick Coverage.....	2.00	0.69
07 81 16 00-0008 SF Spray Fireproofing For Beams And Roofs, 2 Hour Rated 1-5/8" Thick Coverage.....	2.11	0.71
07 81 16 00-0009 Spray On Beams (Min. W8x24) (07 81 16 00-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 16 00-0010 SF Spray Fireproofing For Beams, 1 Hour Rated 7/16" Thick Coverage (Min W8x24)	0.74	0.34
07 81 16 00-0011 SF Spray Fireproofing For Beams, 2 Hour Rated 1/2" Thick Coverage (Min W8x24)	0.91	0.43
07 81 16 00-0012 SF Spray Fireproofing For Beams, 3 Hour Rated 7/8" Thick Coverage (Min W8x24)	1.32	0.52
07 81 16 00-0013 SF Spray Fireproofing For Beams, 4 Hour Rated 1-1/4" Thick Coverage (Min W8x24)	1.76	0.61
07 81 16 00-0014 Spray On Columns (W10x49) (07 81 16 00-0001)		
07 81 16 00-0015 SF Spray Fireproofing For Columns, 1 Hour Rated 1-3/16" Thick Coverage (W10x49)	1.76	0.57
07 81 16 00-0016 SF Spray Fireproofing For Columns, 2 Hour Rated 1-1/4" Thick Coverage (W10x49)	1.90	0.61
07 81 16 00-0017 SF Spray Fireproofing For Columns, 3 Hour Rated 1-7/8" Thick Coverage (W10x49)	2.51	0.71
07 81 16 00-0018 SF Spray Fireproofing For Columns, 4 Hour Rated 2-1/2" Thick Coverage (W10x49)	3.28	0.86
07 81 16 00-0019 Spray On Columns (W14x228) (07 81 16 00-0001)		
07 81 16 00-0020 SF Spray Fireproofing For Columns, 2 Hour Rated 5/8" Thick Coverage (W14x228)	1.10	0.43
07 81 16 00-0021 SF Spray Fireproofing For Columns, 3 Hour Rated 7/8" Thick Coverage (W14x228)	1.42	0.52
07 81 16 00-0022 SF Spray Fireproofing For Columns, 4 Hour Rated 1-1/4" Thick Coverage (W14x228)	1.90	0.63
07 81 16 00-0023 Gunite Fireproofing (07 81 16)		
07 81 16 00-0024 SF Fireproofing, Gunite, Non Reinforced, 1" Thick	2.08	0.39
07 81 16 00-0025 SF Fireproofing, Gunite, Reinforced, 1" Thick	3.02	0.39
07 81 16 00-0026 Monokote Fireproofing (07 81 16)		
07 81 16 00-0027 CSF Monokote Fireproofing For Structural Steel	184.11	61.91
Note: Per inch of thickness.		
07 81 16 00-0028 CSF Monokote Fireproofing For Columns	172.51	0.86
Note: Per inch of thickness.		
07 81 16 00-0029 CSF Monokote Fireproofing For Ceiling/Decking	134.88	41.46
Note: Per inch of thickness.		
07 81 23 Intumescent Fireproofing (07 81)		
07 81 23 00-0001 Intumescent Thin Film Fireproofing (Albi Clad TF) (07 81 23)		
07 81 23 00-0002 Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) (07 81 23 00-0001)		
Note: Excludes primer.		
07 81 23 00-0003 SF 1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	8.69	
For >10,000, Deduct	-0.84	
07 81 23 00-0004 SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	14.01	
For >10,000, Deduct	-1.37	
07 81 23 00-0005 Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) (07 81 23 00-0001)		
Note: Excludes primer.		
07 81 23 00-0006 SF 1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	5.61	
For >10,000, Deduct	-0.53	
07 81 23 00-0007 SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	12.54	
For >10,000, Deduct	-1.22	
07 81 23 00-0008 SF 2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	28.49	
For >10,000, Deduct	-2.81	
07 81 23 00-0009 SF 2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	39.26	
For >10,000, Deduct	-3.88	
07 81 23 00-0010 SF 3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	50.02	
For >10,000, Deduct	-4.96	
07 81 23 00-0011 SF 3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	60.81	
For >10,000, Deduct	-6.03	
07 81 23 00-0012 Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) (07 81 23 00-0001)		
Note: Excludes primer.		
07 81 23 00-0013 SF 1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	11.42	
For >10,000, Deduct	-1.11	
07 81 23 00-0014 SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	21.30	
For >10,000, Deduct	-2.09	
07 81 23 00-0015 SF 2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	33.85	
For >10,000, Deduct	-3.35	
07 81 23 00-0016 SF 2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	47.32	
For >10,000, Deduct	-4.69	
07 81 23 00-0017 SF 3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	59.87	
For >10,000, Deduct	-5.94	
07 81 23 00-0018 Intumescent Thin Film Fireproofing (Albi Clad FP) (07 81 23)		

07 Thermal And Moisture Protection**07 80 Fire And Smoke Protection****07 81 Applied Fireproofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
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07 81 23 00-0019	Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) (07 81 23 00-0018)		
	Note: Excludes primer.		
07 81 23 00-0020	SF 1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	5.46	
	For >10,000, Deduct	-0.52	
07 81 23 00-0021	SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	12.51	
	For >10,000, Deduct	-1.23	
07 81 23 00-0022	SF 2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	28.74	
	For >10,000, Deduct	-2.85	
07 81 23 00-0023	SF 2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	39.69	
	For >10,000, Deduct	-3.94	
07 81 23 00-0024	SF 3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	50.65	
	For >10,000, Deduct	-5.03	

07 81 33 Mineral-Fiber Fireproofing (07 81)**07 81 33 00-0001 Cellulose Fireproofing** (07 81 33)

07 81 33 00-0002	SF Cellulose Fireproofing, Per Inch Of Thickness	1.56	0.39
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07 82 Board Fireproofing (07 82)

Note: Type A: 1 hour rating. See CSI section 09 23 13 00-0001 for plaster casing and corner bead, 09 29 00 00-0069 for gypsum board casing and corner bead.

07 82 00 00-0001 Fireproofing On Columns (07 82)**07 82 00 00-0002 Up To 4,500 SF, Fireproofing On Columns** (07 82 00 00-0001)

07 82 00 00-0003	CSF Lath And Cement Plaster, 1 Hour, Mk A, Up To 4,500 SF, Fireproofing On Columns	853.29	580.39
07 82 00 00-0004	CSF Lath And Cement Plaster, 2 Hour, Mk B, Up To 4,500 SF, Fireproofing On Columns	1,541.01	1,036.42
07 82 00 00-0005	CSF Lath And Vermiculite Concrete, 4 Hour, Mk C, Up To 4,500, Fireproofing On Columns	1,370.08	912.05
07 82 00 00-0006	CSF Lath And Gypsum Plaster, 4 Hour, Mk D, Up To 4,500 SF, Fireproofing On Columns	953.97	538.94
07 82 00 00-0007	CSF Lath And Gypsum Plaster, 4 Hour, Mk E, Up To 4,500 SF, Fireproofing On Columns	729.77	456.02
07 82 00 00-0008	CSF Gypsum Board, 2 Hour, Mk F, Up To 4,500 SF, Fireproofing On Columns	1,099.36	704.77
07 82 00 00-0009	CSF Gypsum Board, 2 Hour, Mk G, Up To 4,500 SF, Fireproofing On Columns	641.64	373.11

07 82 00 00-0010 >4,500 SF, Fireproofing On Columns (07 82 00 00-0001)

07 82 00 00-0011	CSF Lath And Cement Plaster, 1 Hour, Mk A >4,500 SF, Fireproofing On Columns	878.12	580.39
07 82 00 00-0012	CSF Lath And Cement Plaster, 2 Hour, Mk B, >4,500 SF, Fireproofing On Columns	1,590.66	1,036.42
07 82 00 00-0013	CSF Lath And Vermiculite Concrete, 4 Hour, Mk C, >4,500 SF, Fireproofing On Columns	1,415.40	912.05
07 82 00 00-0014	CSF Lath And Gypsum Plaster, 4 Hour, Mk D, >4,500 SF, Fireproofing On Columns	822.28	538.94
07 82 00 00-0015	CSF Lath And Gypsum Plaster, 2 Hour, Mk E, >4,500 SF, Fireproofing On Columns	661.86	456.02
07 82 00 00-0016	CSF Gypsum Board, 2 Hour, Mk F, >4,500 SF, Fireproofing On Columns	1,081.66	704.77
07 82 00 00-0017	CSF Gypsum Board, 2 Hour, Mk G, >4,500 SF, Fireproofing On Columns	625.62	373.11

07 84 Firestopping (07 84)**07 84 13 Penetration Firestopping** (07 84)**07 84 13 16 Penetration Firestopping Devices** (07 84 13)**07 84 13 16-0001 Firestopping Systems For Cable Penetrations** (07 84 13 16)**07 84 13 16-0002 Intumescent Firestop Cable Sleeve For New Installations** (07 84 13 16-0001)

Note: Includes putty, escutcheon plates, gaskets and bushings.

07 84 13 16-0003	EA 1" Diameter Intumescent Firestop Sleeve (STI FS100)	41.01	
07 84 13 16-0004	EA 2" Diameter Intumescent Firestop Sleeve (STI FS201)	57.41	
07 84 13 16-0005	EA 4" Diameter Intumescent Firestop Sleeve (STI FS401)	97.33	

07 84 13 16-0006 Intumescent Firestop Cable Pathway For New Or Existing Cable Installations (07 84 13 16-0001)

Note: Includes putty and mounting plates.

07 84 13 16-0007	EA 1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22)	80.90	
07 84 13 16-0008	EA 3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS)	145.99	
07 84 13 16-0009	EA 4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44)	272.31	

07 84 13 16-0010 3M Intumescent Firestopping Multi-Trade Pass Through Device (07 84 13 16)

07 84 13 16-0011	EA 2.5" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	183.18	
07 84 13 16-0012	EA 4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD)	168.69	
07 84 13 16-0013	EA 4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	174.19	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 16-0014				Intumescent Firestopping Pipe Collar <small>(07 84 13 16)</small>		
	07 84 13 16-0015	EA		1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5).....	26.68	7.03
	07 84 13 16-0016	EA		2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0).....	32.75	7.03
	07 84 13 16-0017	EA		3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0).....	38.29	7.74
	07 84 13 16-0018	EA		4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0).....	61.26	8.79
	07 84 13 16-0019	EA		8" Intumescent Firestop Pipe Collar (Hilti CP644 8").....	314.16	10.55
	07 84 13 16-0020	EA		10" Intumescent Firestop Pipe Collar (Hilti CP644 10").....	406.69	11.61
07 84 13 16-0021				Fire Rated Enclosures (Fire Rated Product Specialties Corp.) <small>(07 84 13 16)</small>		
				Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.		
	07 84 13 16-0022	EA		12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9).....	85.51	
				Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
	07 84 13 16-0023	EA		15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9).....	90.79	
				Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
	07 84 13 16-0024	EA		11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH).....	180.05	
				Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.		
	07 84 13 16-0025	EA		14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3).....	114.01	
				Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.		
07 84 13 16-0026				Intumescent Firestopping Wrap Strips <small>(07 84 13 16)</small>		
	07 84 13 16-0027	LF		1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series).....	4.61	
07 84 13 19				Penetration Firestopping Caulk <small>(07 84 13)</small>		
07 84 13 19-0001				Intumescent Firestopping For Sealing Pipe Penetrations <small>(07 84 13 19)</small>		
				Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.		
	07 84 13 19-0002	EA		1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant.....	11.81	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.05	
	07 84 13 19-0003	EA		1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant.....	14.71	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.28	
	07 84 13 19-0004	EA		1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant.....	14.53	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.20	
	07 84 13 19-0005	EA		1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant.....	14.24	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.09	
	07 84 13 19-0006	EA		2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant.....	17.25	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.59	
	07 84 13 19-0007	EA		2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant.....	17.08	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.52	
	07 84 13 19-0008	EA		2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant.....	16.79	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.40	
	07 84 13 19-0009	EA		2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant.....	16.34	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.22	
	07 84 13 19-0010	EA		2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant.....	15.95	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.07	
	07 84 13 19-0011	EA		2.5" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant.....	21.16	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.99	
	07 84 13 19-0012	EA		2.5" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant.....	20.99	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.92	
	07 84 13 19-0013	EA		2.5" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant.....	20.70	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.80	
	07 84 13 19-0014	EA		2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant.....	20.25	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.62	
	07 84 13 19-0015	EA		2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant.....	19.87	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.47	
	07 84 13 19-0016	EA		2.5" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant.....	18.96	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.11	
	07 84 13 19-0017	EA		3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant.....	30.03	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	2.66	
	07 84 13 19-0018	EA		3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant.....	26.90	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.41	
	07 84 13 19-0019	EA		3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant.....	26.61	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.30	
	07 84 13 19-0020	EA		3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant.....	26.16	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.12	
	07 84 13 19-0021	EA		3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant.....	25.78	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.96	
	07 84 13 19-0022	EA		3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant.....	24.87	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.60	
	07 84 13 19-0023	EA		3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant.....	23.70	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.13	
	07 84 13 19-0024	EA		4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant.....	41.51	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	4.92	
	07 84 13 19-0025	EA		4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant.....	41.19	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	4.79	
	07 84 13 19-0026	EA		4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant.....	40.67	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i>	4.58	

07 Thermal And Moisture Protection**07 80 Fire And Smoke Protection****07 84 Firestopping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
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07 84 13 19-0027	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	39.86	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	4.26	
07 84 13 19-0028	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	39.17	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	3.98	
07 84 13 19-0029	EA	4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	33.84	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.85	
07 84 13 19-0030	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	32.67	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.38	
07 84 13 19-0031	EA	4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant	30.88	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.67	
07 84 13 19-0032	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	69.26	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	11.35	
07 84 13 19-0033	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	68.95	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	11.22	
07 84 13 19-0034	EA	6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	68.43	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	11.02	
07 84 13 19-0035	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	67.62	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	10.69	
07 84 13 19-0036	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	66.93	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	10.42	
07 84 13 19-0037	EA	6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	65.30	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	9.76	
07 84 13 19-0038	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	63.19	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	8.92	
07 84 13 19-0039	EA	6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant	59.99	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	7.64	
07 84 13 19-0040	EA	6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant	47.93	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	2.82	
07 84 13 19-0041	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	94.47	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	17.92	
07 84 13 19-0042	EA	8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant	91.26	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	16.64	
07 84 13 19-0043	EA	8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant	84.83	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	14.07	
07 84 13 19-0044	EA	8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant	58.61	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	3.58	
07 84 13 19-0045	EA	10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant	122.54	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	25.65	
07 84 13 19-0046	EA	10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant	103.47	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	18.02	
07 84 13 19-0047	EA	10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant	69.82	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	4.56	

07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations

(07 84 13 19)

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0049	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	14.26	
07 84 13 19-0050	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	14.19	
07 84 13 19-0051	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	14.10	
07 84 13 19-0052	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	16.27	
07 84 13 19-0053	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	16.20	
07 84 13 19-0054	EA	2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	16.11	
07 84 13 19-0055	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	15.97	
07 84 13 19-0056	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	15.85	
07 84 13 19-0057	EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	19.54	
07 84 13 19-0058	EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	19.48	
07 84 13 19-0059	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	19.38	
07 84 13 19-0060	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	19.25	
07 84 13 19-0061	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	19.12	
07 84 13 19-0062	EA	2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	18.81	
07 84 13 19-0063	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	24.63	
07 84 13 19-0064	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	24.57	
07 84 13 19-0065	EA	3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	24.48	
07 84 13 19-0066	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	24.33	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0067	EA			3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	24.21	
07 84 13 19-0068	EA			3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	23.90	
07 84 13 19-0069	EA			3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	23.47	
07 84 13 19-0070	EA			4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	31.56	
07 84 13 19-0071	EA			4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	31.49	
07 84 13 19-0072	EA			4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	31.40	
07 84 13 19-0073	EA			4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	31.25	
07 84 13 19-0074	EA			4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	31.10	
07 84 13 19-0075	EA			4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	30.79	
07 84 13 19-0076	EA			4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	30.39	
07 84 13 19-0077	EA			4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	29.77	
07 84 13 19-0078	EA			6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	46.30	
07 84 13 19-0079	EA			6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	46.23	
07 84 13 19-0080	EA			6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	46.14	
07 84 13 19-0081	EA			6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	46.00	
07 84 13 19-0082	EA			6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	45.88	
07 84 13 19-0083	EA			6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	45.57	
07 84 13 19-0084	EA			6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	45.13	
07 84 13 19-0085	EA			6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	44.55	
07 84 13 19-0086	EA			6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	43.28	
07 84 13 19-0087	EA			8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	58.21	
07 84 13 19-0088	EA			8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	57.62	
07 84 13 19-0089	EA			8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	56.35	
07 84 13 19-0090	EA			8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	52.76	
07 84 13 19-0091	EA			10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	70.65	
07 84 13 19-0092	EA			10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	67.06	
07 84 13 19-0093	EA			10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	62.30	

07 84 16 Annular Space Protection (07 84)

07 84 16 00-0001 Intumescent Firestopping For Electrical Outlet Boxes (07 84 16)

07 84 16 00-0002 Intumescent Putty Pads For Wrapping Outlet Box Exteriors (07 84 16 00-0001)

07 84 16 00-0003	EA			1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	21.32	
07 84 16 00-0004	EA			2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	32.13	
07 84 16 00-0005	EA			3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	33.30	
07 84 16 00-0006	EA			4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	34.47	
07 84 16 00-0007	EA			5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	35.64	
07 84 16 00-0008	EA			6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	46.46	

07 84 16 00-0009 Intumescent Firestop Gasket For Wall Plates (07 84 16 00-0001)

07 84 16 00-0010	EA			Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276).....	8.17	
07 84 16 00-0011	EA			Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274).....	8.57	
07 84 16 00-0012	EA			Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272).....	7.82	
07 84 16 00-0013	EA			Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270).....	8.60	
07 84 16 00-0014	EA			Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266).....	8.30	
07 84 16 00-0015	EA			Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265).....	7.87	

07 84 16 00-0016 Intumescent Fire Barrier Pillows For Sealing Large Openings (07 84 16)

07 84 16 00-0017	EA			2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249).....	26.22	
07 84 16 00-0018	EA			2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269).....	28.20	
07 84 16 00-0019	EA			3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369).....	30.64	

07 Thermal And Moisture Protection**07 80 Fire And Smoke Protection****07 84 Firestopping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 84 16 00-0020		Intumescent Fire Barrier Sheets For Sealing Large Openings (07 84 16)		
		Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.		
07 84 16 00-0021	EA	16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28).....	225.26	
07 84 16 00-0022	EA	36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2).....	326.67	
07 84 16 00-0023	EA	36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3).....	449.99	
07 84 16 00-0024		Endothermic Mat Wrap Fire Barrier (07 84 16)		
		Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.		
07 84 16 00-0025	SF	0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4).....	32.30	
07 84 16 00-0026		Firestopping Caulk For Filling Opening (07 84 16)		
07 84 16 00-0027	GAL	Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+).....	128.53	
07 84 16 00-0028		Firestopping Mortar For Filling Opening (07 84 16)		
07 84 16 00-0029	CF	Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series).....	121.49	
07 84 23		Silicone Firestopping Foams (07 84)		
07 84 23 00-0001		Silicone RTV Foam Seal For Blank Openings (07 84 23)		
07 84 23 00-0002	EA	2" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	26.27	
07 84 23 00-0003	EA	4" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	67.81	
07 84 23 00-0004	EA	6" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	125.94	
07 84 23 00-0005	EA	8" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	199.34	
07 84 23 00-0006	EA	10" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	290.96	
07 84 23 00-0007	EA	12" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	397.93	
07 84 43		Joint Firestopping (07 84)		
07 84 43 00-0001		Intumescent Firestopping Sealant For Joints (07 84 43)		
07 84 43 00-0002	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant.....	255.22	93.47
07 84 43 00-0003	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant.....	301.02	99.31
07 84 43 00-0004	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant.....	335.15	99.31
07 84 43 00-0005	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant.....	352.22	99.31
07 84 43 00-0006	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant.....	403.43	99.31
07 84 43 00-0007	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant.....	466.36	105.16
07 84 43 00-0008	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant.....	529.20	111.00
07 84 43 00-0009	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant.....	483.43	105.16
07 84 43 00-0010	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant.....	575.06	116.84
07 84 43 00-0011	CLF	1/2" x 3/4" Joint, Intumescent Firestop Sealant.....	655.03	122.69
07 84 43 00-0012	CLF	1/2" x 7/8" Joint, Intumescent Firestop Sealant.....	734.97	128.52
07 84 43 00-0013	CLF	1/2" x 1" Joint, Intumescent Firestop Sealant.....	896.78	175.25
07 84 43 00-0014	CLF	3/4" x 3/4" Joint, Intumescent Firestop Sealant.....	988.39	186.96
07 84 43 00-0015	CLF	1" x 1" Joint, Intumescent Firestop Sealant.....	1,477.96	192.78
07 84 43 00-0016		Passive Smoke And Fire Protection Sealant For Joints (07 84 43)		
07 84 43 00-0017	CLF	1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	226.69	93.47
07 84 43 00-0018	CLF	1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	258.20	99.31
07 84 43 00-0019	CLF	1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	278.07	99.31
07 84 43 00-0020	CLF	3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	288.00	99.31
07 84 43 00-0021	CLF	3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	317.80	99.31
07 84 43 00-0022	CLF	3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	359.33	105.16
07 84 43 00-0023	CLF	3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	400.76	111.00
07 84 43 00-0024	CLF	1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	369.27	105.16
07 84 43 00-0025	CLF	1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	432.35	116.84
07 84 43 00-0026	CLF	1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	483.78	122.69
07 84 43 00-0027	CLF	1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	535.18	128.52
07 84 43 00-0028	CLF	1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	668.45	175.25
07 84 43 00-0029	CLF	3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	731.51	186.96
07 84 43 00-0030	CLF	1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	1,021.30	192.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 84 56 Fire Safing (07 84)**07 84 56 13 Fibrous Fire Safing** (07 84 56)**07 84 56 13-0001 Thermal Barrier Wrap** (07 84 56 13)

Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
07 84 56 13-0002	SF 1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A)	6.77
	<i>For Work In Restricted Working Space, Add</i>	0.74
07 84 56 13-0003	SF 1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A)	11.42
Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
	<i>For Work In Restricted Working Space, Add</i>	0.74
07 84 56 13-0004	SF 2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A)	12.54
Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
	<i>For Work In Restricted Working Space, Add</i>	0.74

07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing (07 84 56 13)

07 84 56 13-0006	SF 1/2" Thermal Ceramics FireMaster Blanket Wrap	11.29	6.19
	<i>For Work In Restricted Working Space, Add</i>	2.49	
	<i>For >500 To 5,000, Deduct</i>	-1.10	
	<i>For >5,000, Deduct</i>	-1.94	
07 84 56 13-0007	SF 1" Thermal Ceramics FireMaster Blanket Wrap	13.77	6.19
	<i>For Work In Restricted Working Space, Add</i>	2.49	
	<i>For >500 To 5,000, Deduct</i>	-1.67	
	<i>For >5,000, Deduct</i>	-2.86	
07 84 56 13-0008	SF 1-1/2" Thermal Ceramics FireMaster Blanket Wrap	16.49	6.19
	<i>For Work In Restricted Working Space, Add</i>	2.49	
	<i>For >500 To 5,000, Deduct</i>	-2.30	
	<i>For >5,000, Deduct</i>	-3.86	
07 84 56 13-0009	SF 2" Thermal Ceramics FireMaster Blanket Wrap	19.21	6.19
	<i>For Work In Restricted Working Space, Add</i>	2.49	
	<i>For >500 To 5,000, Deduct</i>	-2.93	
	<i>For >5,000, Deduct</i>	-4.87	

07 90 Joint Protection (07)**07 91 Preformed Joint Seals** (07 90)**07 91 23 Backer Rods** (07 91)**07 91 23 00-0001 Backer Rods** (07 91 23)

07 91 23 00-0002	LF 1/4" Polyethylene Or Polyurethane Backer Rod	0.88	0.27
07 91 23 00-0003	LF 3/8" Polyethylene Or Polyurethane Backer Rod	0.95	0.27
07 91 23 00-0004	LF 1/2" Polyethylene Or Polyurethane Backer Rod	1.03	0.27
07 91 23 00-0005	LF 5/8" Polyethylene Or Polyurethane Backer Rod	1.10	0.27
07 91 23 00-0006	LF 3/4" Polyethylene Or Polyurethane Backer Rod	1.15	0.32
07 91 23 00-0007	LF 7/8" Polyethylene Or Polyurethane Backer Rod	1.22	0.32
07 91 23 00-0008	LF 1" Polyethylene Or Polyurethane Backer Rod	1.36	0.32
07 91 23 00-0009	LF 1-1/4" Polyethylene Or Polyurethane Backer Rod	1.52	0.38
07 91 23 00-0010	LF 1-1/2" Polyethylene Or Polyurethane Backer Rod	1.70	0.43
07 91 23 00-0011	LF 2" Polyethylene Or Polyurethane Backer Rod	2.05	0.48
07 91 23 00-0012	LF 3" Polyethylene Or Polyurethane Backer Rod	3.28	0.59

07 91 26 Joint Fillers (07 91)**07 91 26 00-0001 Butyl Rubber Fillers** (07 91 26)

07 91 26 00-0002	LF 1/4" x 1/4" Butyl Rubber Filler	1.10	0.32
	<i>For Coloring, Add</i>	0.00	
07 91 26 00-0003	LF 1/2" x 1/2" Butyl Rubber Filler	3.16	0.93
	<i>For Coloring, Add</i>	0.02	
07 91 26 00-0004	LF 1/2" x 3/4" Butyl Rubber Filler	3.63	0.98
	<i>For Coloring, Add</i>	0.03	
07 91 26 00-0005	LF 3/4" x 3/4" Butyl Rubber Filler	3.72	1.03
07 91 26 00-0006	LF 1" x 1" Butyl Rubber Filler	3.46	1.14

07 91 26 00-0007 Closed Cell Neoprene (07 91 26)

07 91 26 00-0008	CLF 1/8" x 3" Neoprene Gasket Closed Cell, Adhesive	222.47	62.56
07 91 26 00-0009	CLF 1/8" x 6" Neoprene Gasket Closed Cell, Adhesive	384.94	90.37
07 91 26 00-0010	CLF 1/4" x 3" Neoprene Gasket Closed Cell, Adhesive	293.34	77.47
07 91 26 00-0011	CLF 1/4" x 6" Neoprene Gasket Closed Cell, Adhesive	359.47	81.32
07 91 26 00-0012	CLF 1/2" x 6" Neoprene Gasket Closed Cell, Adhesive	546.80	125.12
07 91 26 00-0013	CLF 1/2" x 9" Neoprene Gasket Closed Cell, Adhesive	645.66	135.53
07 91 26 00-0014	CLF 1/2" x 12" Neoprene Gasket Closed Cell, Adhesive	650.81	98.56

07 91 26 00-0015 Closed Cell Polyvinyl Chloride (07 91 26)

07 91 26 00-0016	CLF 1/8" x 3" Polyethylene Joint Backing, Closed Cell	225.34	77.47
07 91 26 00-0017	CLF 1/8" x 6" Polyethylene Joint Backing, Closed Cell	402.14	125.12
07 91 26 00-0018	CLF 1/4" x 3" Polyethylene Joint Backing, Closed Cell	300.66	106.80

07 Thermal And Moisture Protection**07 90 Joint Protection****07 91 Prefomed Joint Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 26 00-0019	CLF		1/4" x 6" Polyethylene Joint Backing, Closed Cell.....	377.63	112.76
07 91 26 00-0020	CLF		1/2" x 6" Polyethylene Joint Backing, Closed Cell.....	573.72	172.94
07 91 26 00-0021	CLF		1/2" x 9" Polyethylene Joint Backing, Closed Cell.....	685.47	187.69
07 91 26 00-0022	CLF		1/2" x 12" Polyethylene Joint Backing, Closed Cell.....	930.08	224.98
07 91 26 00-0023			Silicon RTV Foam Penetration Seal (07 91 26)		
07 91 26 00-0024	CLF		1/4" x 1/2" Silicon RTV Foam Seal.....	100.01	12.41
07 91 26 00-0025	CLF		1/2" x 1/2" Silicon RTV Foam Seal.....	200.02	24.78
07 91 26 00-0026	CLF		1/2" x 3/4" Silicon RTV Foam Seal.....	298.65	36.81
07 91 26 00-0027	CLF		3/4" x 3/4" Silicon RTV Foam Seal.....	429.43	49.61
07 91 26 00-0028	CLF		1/8" x 1" Silicon RTV Foam Seal.....	100.01	12.41
07 91 26 00-0029	CLF		1/8" x 3" Silicon RTV Foam Seal.....	298.43	36.70
07 91 26 00-0030	CLF		1/4" x 3" Silicon RTV Foam Seal.....	535.82	55.14
07 91 26 00-0031	CLF		1/4" x 6" Silicon RTV Foam Seal.....	1,070.71	109.89
07 91 26 00-0032	CLF		1/2" x 6" Silicon RTV Foam Seal.....	2,066.74	198.36
07 91 26 00-0033	CLF		1/2" x 9" Silicon RTV Foam Seal.....	3,139.97	309.88
07 91 26 00-0034	CLF		1/2" x 12" Silicon RTV Foam Seal.....	4,470.42	495.83
07 91 26 00-0035			Seals O-Ring Type Cord "J-Seal" (07 91 26)		
07 91 26 00-0036	LF		1/4" Seals O-Ring Cord, J-Seal.....	2.32	0.70
07 91 26 00-0037	LF		1/2" Seals O-Ring Cord, J-Seal.....	2.47	0.70
07 91 26 00-0038	LF		3/4" Seals O-Ring Cord, J-Seal.....	2.61	0.75
07 91 26 00-0039	LF		1" Seals O-Ring Cord, J-Seal.....	2.79	0.81
07 91 26 00-0040	LF		1-1/4" Seals O-Ring Cord, J-Seal.....	3.01	0.87
07 91 26 00-0041	LF		1-1/2" Seals O-Ring Cord, J-Seal.....	3.18	0.87
07 91 26 00-0042	LF		1-3/4" Seals O-Ring Cord, J-Seal.....	3.39	0.93
07 91 26 00-0043	LF		2" Seals O-Ring Cord, J-Seal.....	3.54	0.93
07 91 33			Expansion Joint Seal Systems (07 91)		
07 91 33 00-0001			Expansion Joint Seal Systems (Wabo®) (07 91 33)		
07 91 33 00-0002			Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) (07 91 33 00-0001)		
			Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.		
07 91 33 00-0003	LF		1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH).....	46.97	3.73
07 91 33 00-0004	LF		3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH).....	63.24	3.90
07 91 33 00-0005	LF		1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH).....	80.39	4.08
07 91 33 00-0006	LF		1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH).....	99.49	4.26
07 91 33 00-0007	LF		1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH).....	129.47	4.43
07 91 33 00-0008	LF		1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH).....	148.90	4.61
07 91 33 00-0009	LF		2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH).....	173.00	4.79
07 91 33 00-0010			Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)		
			Note: Includes prefomed neoprene joint seal and lubricant adhesive.		
07 91 33 00-0011	LF		0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162).....	23.33	3.73
07 91 33 00-0012	LF		0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175).....	25.59	3.78
07 91 33 00-0013	LF		0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200).....	31.20	3.83
07 91 33 00-0014	LF		0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225).....	33.19	3.90
07 91 33 00-0015	LF		1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250).....	35.54	3.95
07 91 33 00-0016	LF		1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300).....	43.88	4.01
07 91 33 00-0017	LF		1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350).....	54.46	4.08
07 91 33 00-0018	LF		1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400).....	64.62	4.26
07 91 33 00-0019	LF		1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500).....	73.31	4.43
07 91 33 00-0020			Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)		
			Note: Includes prefomed Santoprene® joint seal and lubricant adhesive.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0021 LF 0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100).....	19.31	3.73
07 91 33 00-0022 LF 0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225).....	25.46	3.90
07 91 33 00-0023 LF 1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250).....	31.49	4.08
07 91 33 00-0024 LF 1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300).....	33.30	4.17
07 91 33 00-0025 LF 1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400).....	37.09	4.26
07 91 33 00-0026 LF 1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500).....	53.83	4.43
07 91 33 00-0027 LF 1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600).....	74.56	4.61
 07 91 33 00-0028 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) (07 91 33 00-0001)		
Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0029 LF 1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100).....	17.53	1.48
07 91 33 00-0030 LF 3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150).....	29.64	1.53
07 91 33 00-0031 LF 1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200).....	44.78	1.59
07 91 33 00-0032 LF 1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250).....	56.53	1.66
07 91 33 00-0033 LF 1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300).....	74.50	1.72
07 91 33 00-0034 LF 1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350).....	98.68	1.78
07 91 33 00-0035 LF 2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400).....	121.11	1.83
07 91 33 00-0036 LF 2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500).....	163.45	1.89
07 91 33 00-0037 LF 3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600).....	190.89	1.95
 07 91 33 00-0038 Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) (07 91 33 00-0001)		
Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0039 LF 0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100).....	17.10	1.48
07 91 33 00-0040 LF 1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150).....	22.67	1.53
07 91 33 00-0041 LF 1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200).....	30.52	1.59
07 91 33 00-0042 LF 1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250).....	41.51	1.66
07 91 33 00-0043 LF 2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300).....	47.40	1.72
07 91 33 00-0044 LF 2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350).....	65.92	1.78
07 91 33 00-0045 LF 3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400).....	88.68	1.83
07 91 33 00-0046 LF 3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500).....	95.75	1.89
 07 92 Joint Sealants (07 90)		
07 92 13 Elastomeric Joint Sealants (07 92)		
07 92 13 00-0001 Silicone Sealant And Caulking (07 92 13)		
07 92 13 00-0002 CLF 1/4" x 1/4" Joint, Silicone Sealant And Caulking.....	228.50	93.47
For Coloring, Add	14.96	
For 1 Part Mildew Resistant, Add	14.55	
For High-Modulus Non-Acid Curing, Add	8.31	
07 92 13 00-0003 CLF 1/4" x 3/8" Joint, Silicone Sealant And Caulking.....	255.13	96.40
For Coloring, Add	22.44	
For 1 Part Mildew Resistant, Add	21.82	
For High-Modulus Non-Acid Curing, Add	12.47	
07 92 13 00-0004 CLF 1/4" x 1/2" Joint, Silicone Sealant And Caulking.....	281.72	99.31
For Coloring, Add	29.92	
For 1 Part Mildew Resistant, Add	29.09	
For High-Modulus Non-Acid Curing, Add	16.62	
07 92 13 00-0005 CLF 3/8" x 3/8" Joint, Silicone Sealant And Caulking.....	292.11	99.31
For Coloring, Add	33.66	
For 1 Part Mildew Resistant, Add	32.73	
For High-Modulus Non-Acid Curing, Add	18.70	

07 Thermal And Moisture Protection**07 90 Joint Protection****07 92 Joint Sealants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0006	CLF		3/8" x 1/2" Joint, Silicone Sealant And Caulking	329.16	102.24
			<i>For Coloring, Add</i>	44.88	
			<i>For 1 Part Mildew Resistant, Add</i>	43.63	
			<i>For High-Modulus Non-Acid Curing, Add</i>	24.93	
07 92 13 00-0007	CLF		3/8" x 5/8" Joint, Silicone Sealant And Caulking	366.17	105.16
			<i>For Coloring, Add</i>	56.10	
			<i>For 1 Part Mildew Resistant, Add</i>	54.54	
			<i>For High-Modulus Non-Acid Curing, Add</i>	31.17	
07 92 13 00-0008	CLF		3/8" x 3/4" Joint, Silicone Sealant And Caulking	408.97	111.00
			<i>For Coloring, Add</i>	67.32	
			<i>For 1 Part Mildew Resistant, Add</i>	65.45	
			<i>For High-Modulus Non-Acid Curing, Add</i>	37.40	
07 92 13 00-0009	CLF		1/2" x 1/2" Joint, Silicone Sealant And Caulking	376.56	105.16
			<i>For Coloring, Add</i>	59.84	
			<i>For 1 Part Mildew Resistant, Add</i>	58.18	
			<i>For High-Modulus Non-Acid Curing, Add</i>	33.25	
07 92 13 00-0010	CLF		1/2" x 5/8" Joint, Silicone Sealant And Caulking	441.47	116.84
			<i>For Coloring, Add</i>	74.80	
			<i>For 1 Part Mildew Resistant, Add</i>	72.73	
			<i>For High-Modulus Non-Acid Curing, Add</i>	41.56	
07 92 13 00-0011	CLF		1/2" x 3/4" Joint, Silicone Sealant And Caulking	494.73	122.69
			<i>For Coloring, Add</i>	89.77	
			<i>For 1 Part Mildew Resistant, Add</i>	87.27	
			<i>For High-Modulus Non-Acid Curing, Add</i>	49.87	
07 92 13 00-0012	CLF		1/2" x 7/8" Joint, Silicone Sealant And Caulking	547.95	128.52
			<i>For Coloring, Add</i>	104.73	
			<i>For 1 Part Mildew Resistant, Add</i>	101.82	
			<i>For High-Modulus Non-Acid Curing, Add</i>	58.18	
07 92 13 00-0013	CLF		1/2" x 1" Joint, Silicone Sealant And Caulking	595.34	131.44
			<i>For Coloring, Add</i>	119.69	
			<i>For 1 Part Mildew Resistant, Add</i>	116.36	
			<i>For High-Modulus Non-Acid Curing, Add</i>	66.49	
07 92 13 00-0014	CLF		3/4" x 3/4" Joint, Silicone Sealant And Caulking	642.79	134.36
			<i>For Coloring, Add</i>	134.65	
			<i>For 1 Part Mildew Resistant, Add</i>	130.91	
			<i>For High-Modulus Non-Acid Curing, Add</i>	74.80	
07 92 13 00-0015	CLF		1" x 1" Joint, Silicone Sealant And Caulking	957.03	146.05
			<i>For Coloring, Add</i>	239.37	
			<i>For 1 Part Mildew Resistant, Add</i>	232.73	
			<i>For High-Modulus Non-Acid Curing, Add</i>	132.99	
07 92 13 00-0016			Acrylic/Latex Sealant And Caulking <small>(07 92 13)</small>		
07 92 13 00-0017	CLF		1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking	208.19	93.47
07 92 13 00-0018	CLF		1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	224.63	96.39
07 92 13 00-0019	CLF		1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	241.06	99.31
07 92 13 00-0020	CLF		3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	246.37	99.31
07 92 13 00-0021	CLF		3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	268.18	102.24
07 92 13 00-0022	CLF		3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	289.95	105.16
07 92 13 00-0023	CLF		3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	317.50	111.00
07 92 13 00-0024	CLF		1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	295.26	105.16
07 92 13 00-0025	CLF		1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	339.84	116.84
07 92 13 00-0026	CLF		1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	372.77	122.69
07 92 13 00-0027	CLF		1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking	405.66	128.52
07 92 13 00-0028	CLF		1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking	432.72	131.44
07 92 13 00-0029	CLF		3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	459.85	134.36
07 92 13 00-0030	CLF		1" x 1" Joint, Acrylic/Latex Sealant And Caulking	631.80	146.05
07 92 13 00-0031			Polyurethane Sealant And Caulking <small>(07 92 13)</small>		
			Note: 1 or 2 part, non-sag.		
07 92 13 00-0032	CLF		1/4" x 1/4" Joint, Polyurethane Sealant And Caulking	218.83	93.47
07 92 13 00-0033	CLF		1/4" x 3/8" Joint, Polyurethane Sealant And Caulking	240.59	96.98
07 92 13 00-0034	CLF		1/4" x 1/2" Joint, Polyurethane Sealant And Caulking	262.35	99.31
07 92 13 00-0035	CLF		3/8" x 3/8" Joint, Polyurethane Sealant And Caulking	270.32	99.31
07 92 13 00-0036	CLF		3/8" x 1/2" Joint, Polyurethane Sealant And Caulking	300.11	102.24
07 92 13 00-0037	CLF		3/8" x 5/8" Joint, Polyurethane Sealant And Caulking	329.86	105.16
07 92 13 00-0038	CLF		3/8" x 3/4" Joint, Polyurethane Sealant And Caulking	365.39	111.00
07 92 13 00-0039	CLF		1/2" x 1/2" Joint, Polyurethane Sealant And Caulking	337.82	105.16
07 92 13 00-0040	CLF		1/2" x 5/8" Joint, Polyurethane Sealant And Caulking	393.05	116.84
07 92 13 00-0041	CLF		1/2" x 3/4" Joint, Polyurethane Sealant And Caulking	436.62	122.69
07 92 13 00-0042	CLF		1/2" x 7/8" Joint, Polyurethane Sealant And Caulking	480.16	128.52
07 92 13 00-0043	CLF		1/2" x 1" Joint, Polyurethane Sealant And Caulking	517.86	131.44
07 92 13 00-0044	CLF		3/4" x 3/4" Joint, Polyurethane Sealant And Caulking	555.63	134.36
07 92 13 00-0045	CLF		3/4" x 1" Joint, Polyurethane Sealant And Caulking	674.58	146.05
07 92 13 00-0046			Flexible Polysulfide Sealant And Caulking, Clear <small>(07 92 13)</small>		
			Note: 1 or 2 part, non-sag.		
07 92 13 00-0047	CLF		1/4" x 1/4" Joint, Polysulfide Sealant And Caulking	221.86	93.47
07 92 13 00-0048	CLF		1/4" x 3/8" Joint, Polysulfide Sealant And Caulking	245.14	97.57
07 92 13 00-0049	CLF		1/4" x 1/2" Joint, Polysulfide Sealant And Caulking	268.41	99.31
07 92 13 00-0050	CLF		3/8" x 3/8" Joint, Polysulfide Sealant And Caulking	277.14	99.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0051 CLF 3/8" x 1/2" Joint, Polysulfide Sealant And Caulking	309.22	102.24
07 92 13 00-0052 CLF 3/8" x 5/8" Joint, Polysulfide Sealant And Caulking	341.23	105.16
07 92 13 00-0053 CLF 3/8" x 3/4" Joint, Polysulfide Sealant And Caulking	379.03	111.00
07 92 13 00-0054 CLF 1/2" x 1/2" Joint, Polysulfide Sealant And Caulking	349.95	105.16
07 92 13 00-0055 CLF 1/2" x 5/8" Joint, Polysulfide Sealant And Caulking	408.22	116.84
07 92 13 00-0056 CLF 1/2" x 3/4" Joint, Polysulfide Sealant And Caulking	454.82	122.69
07 92 13 00-0057 CLF 1/2" x 7/8" Joint, Polysulfide Sealant And Caulking	501.39	128.52
07 92 13 00-0058 CLF 1/2" x 1" Joint, Polysulfide Sealant And Caulking	542.12	131.44
07 92 13 00-0059 CLF 3/4" x 3/4" Joint, Polysulfide Sealant And Caulking	582.93	134.36
07 92 13 00-0060 CLF 3/4" x 1" Joint, Polysulfide Sealant And Caulking	710.97	146.05

07 92 13 00-0061 Flexible Polyurethane Security Sealant And Caulking (07 92 13)

Note: 1 or 2 part, non-sag.

07 92 13 00-0062 CLF 1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking	229.26	93.47
07 92 13 00-0063 CLF 1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	256.24	96.98
07 92 13 00-0064 CLF 1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	283.21	99.31
07 92 13 00-0065 CLF 3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	293.78	99.31
07 92 13 00-0066 CLF 3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	331.40	102.24
07 92 13 00-0067 CLF 3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	368.97	105.16
07 92 13 00-0068 CLF 3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	412.32	111.00
07 92 13 00-0069 CLF 1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	379.54	105.16
07 92 13 00-0070 CLF 1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	445.20	116.84
07 92 13 00-0071 CLF 1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	499.20	122.69
07 92 13 00-0072 CLF 1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking	553.16	128.52
07 92 13 00-0073 CLF 1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	601.30	131.44
07 92 13 00-0074 CLF 3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	649.50	134.36
07 92 13 00-0075 CLF 3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	799.74	146.05

07 92 19 Acoustical Joint Sealants (07 92)

07 92 19 00-0001 Acoustical Sealant (07 92 19)

07 92 19 00-0002 CLF 1/4" x 1/4" Joint, Acoustical Sealant	200.79	87.63
For Coloring, Add	9.19	
For 1 Part Mildew Resistant, Add	8.94	
For High-Modulus Non-Acid Curing, Add	5.11	
07 92 19 00-0003 CLF 1/4" x 3/8" Joint, Acoustical Sealant	222.21	93.47
For Coloring, Add	12.69	
For 1 Part Mildew Resistant, Add	12.34	
For High-Modulus Non-Acid Curing, Add	7.05	
07 92 19 00-0004 CLF 1/4" x 1/2" Joint, Acoustical Sealant	239.56	99.31
For Coloring, Add	14.75	
For 1 Part Mildew Resistant, Add	14.34	
For High-Modulus Non-Acid Curing, Add	8.19	
07 92 19 00-0005 CLF 3/8" x 3/8" Joint, Acoustical Sealant	255.44	99.31
For Coloring, Add	20.46	
For 1 Part Mildew Resistant, Add	19.89	
For High-Modulus Non-Acid Curing, Add	11.37	
07 92 19 00-0006 CLF 3/8" x 1/2" Joint, Acoustical Sealant	277.83	102.24
For Coloring, Add	26.40	
For 1 Part Mildew Resistant, Add	25.67	
For High-Modulus Non-Acid Curing, Add	14.67	
07 92 19 00-0007 CLF 1/2" x 1/2" Joint, Acoustical Sealant	313.67	105.16
For Coloring, Add	37.20	
For 1 Part Mildew Resistant, Add	36.17	
For High-Modulus Non-Acid Curing, Add	20.67	

07 95 Expansion Control (07 90)

07 95 13 Expansion Joint Cover Assemblies (07 95)

Note: Includes necessary waterproofing mastics/caulking.

07 95 13 13 Interior Expansion Joint Cover Assemblies (07 95 13)

07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies (07 95 13 13)

07 95 13 13-0002 With 1" Space (07 95 13 13-0001)

07 95 13 13-0003 LF Aluminum Expansion Joint Cover, 1" Opening Floor Assembly Type	31.20	4.02
07 95 13 13-0004 LF Bronze Expansion Joint Cover, 1" Opening Floor Assembly Type	59.40	4.02
07 95 13 13-0005 LF Stainless Steel Expansion Joint Cover, 1" Opening Floor Assembly Type	66.01	4.02

07 95 13 13-0006 With 2" Space (07 95 13 13-0001)

07 95 13 13-0007 LF Aluminum Expansion Joint Cover, 2" Opening Floor Assembly Type	37.97	4.02
07 95 13 13-0008 LF Bronze Expansion Joint Cover, 2" Opening Floor Assembly Type	73.31	4.02
07 95 13 13-0009 LF Stainless Steel Expansion Joint Cover, 2" Opening Floor Assembly Type	90.19	4.02

07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies (07 95 13 13)

07 95 13 13-0011 With 1" Space (07 95 13 13-0010)

07 Thermal And Moisture Protection**07 90 Joint Protection****07 95 Expansion Control**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 95 13 13-0012 LF Aluminum Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type.....	24.43	4.02
07 95 13 13-0013 LF Bronze Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	45.49	4.02
07 95 13 13-0014 LF Stainless Steel Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	53.92	4.02
07 95 13 13-0015 With 2" Space <small>(07 95 13 13-0010)</small>		
07 95 13 13-0016 LF Aluminum Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type.....	28.49	4.02
07 95 13 13-0017 LF Bronze Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type	52.44	4.02
07 95 13 13-0018 LF Stainless Steel Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type	66.01	4.02
07 95 13 16 Exterior Expansion Joint Cover Assemblies <small>(07 95 13)</small>		
07 95 13 16-0001 Exterior Roof Aluminum Expansion Joint Cover Assemblies <small>(07 95 13 16)</small>		
07 95 13 16-0002 Roof To Roof <small>(07 95 13 16-0001)</small>		
07 95 13 16-0003 LF Exterior Roof To Roof Expansion Joint, 1" Opening Aluminum Assemblies	33.28	2.68
07 95 13 16-0004 LF Exterior Roof To Roof Expansion Joint, 2" Opening Aluminum Assemblies	38.98	2.68
07 95 13 16-0005 LF Exterior Roof To Roof Expansion Joint, 3" Opening Aluminum Assemblies	42.91	2.68
07 95 13 16-0006 Roof To Wall <small>(07 95 13 16-0001)</small>		
07 95 13 16-0007 LF Exterior Roof To Wall Expansion Joint, 1" Opening Aluminum Assemblies.....	26.74	2.68
07 95 13 16-0008 LF Exterior Roof To Wall Expansion Joint, 2" Opening Aluminum Assemblies.....	33.71	2.68
07 95 13 16-0009 Flat Wall To Wall <small>(07 95 13 16-0001)</small>		
07 95 13 16-0010 LF Exterior Wall To Wall Expansion Joint, 1" Opening Aluminum Assemblies	20.94	2.68
07 95 13 16-0011 LF Exterior Wall To Wall Expansion Joint, 2" Opening Aluminum Assemblies	25.13	2.68
07 95 13 16-0012 LF Exterior Wall To Wall Expansion Joint, 3" Opening Aluminum Assemblies	30.18	2.68
07 95 13 16-0013 Corner To Flat Wall <small>(07 95 13 16-0001)</small>		
07 95 13 16-0014 LF Exterior Corner To Wall Expansion Joint, 1" Opening Aluminum Assemblies	20.57	2.68
07 95 13 16-0015 LF Exterior Corner To Wall Expansion Joint, 2" Opening Aluminum Assemblies	23.36	2.68
07 95 13 16-0016 LF Exterior Corner To Wall Expansion Joint, 3" Opening Aluminum Assemblies	31.20	2.68

END OF SECTION 07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 Openings

08 01 Operation And Maintenance Of Openings ⁽⁰⁸⁾

08 01 10 Operation And Maintenance Of Doors And Frames ^(08 01)

08 01 11 Operation and Maintenance of Metal Doors and Frames ^(08 01 10)

08 01 11 61 Metal Doors And Frames Repair ^(08 01 11)

08 01 11 61-0001 Hollow Metal Door Repair ^(08 01 11 61)

Note: Repairs are based on holes or damage of less than 1/2 of a square foot.

08 01 11 61-0002	SF	Patch Small Drill Holes	5.24
08 01 11 61-0003	LF	Patch Deep Scrapes Or Cuts In Doors	26.19
08 01 11 61-0004	IN	Patch Holes Larger Than Normal Drill Holes (By Diameter Of Holes)	7.86

08 01 50 Operation And Maintenance Of Windows ^(08 01)

08 01 52 Operation and Maintenance of Wood Windows ^(08 01 50)

08 01 52 61 Wood Window Repairs ^(08 01 52)

08 01 52 61-0001 Window Restoration And Replacement ^(08 01 52 61)

08 01 52 61-0002	EA	Removal And Replacement Of Sash Guides	6.64
08 01 52 61-0003	EA	Removal And Replacement Of Window Arms	19.11
08 01 52 61-0004	EA	Removal And Replacement Of Window Crank Operator	21.31
08 01 52 61-0005	EA	Removal And Replacement Of Brass Window Sash Pull	13.40
08 01 52 61-0006	EA	Removal And Replacement Of Brass Window Sash Lock	11.89
08 01 52 61-0007	EA	Removal And Replacement Of Window Balance, Removable Sash Window	14.47
Note: Channel, spiral or coil balance.			
08 01 52 61-0008	EA	Removal And Replacement Of Window Balance, Sash Window Including The Removal And Replacement Of Wooden Stops And/Or Casing	43.70
Note: Channel, spiral or coil balance.			
For Replacing Two Balances In One Window, Deduct			-16.13

08 01 80 Maintenance of Glazing ^(08 01)

08 01 81 Maintenance of Glass Glazing ^(08 01 80)

08 01 81 00-0001 Glazing Compound Repair ^(08 01 81)

08 01 81 00-0002	LF	Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing	3.35
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08 05 Common Work Results For Openings ⁽⁰⁸⁾

08 05 13 Door Options And Modifications ^(08 05)

Note: Excludes removal and reinstallation of door.

08 05 13 00-0001 Door Vision Panels (Pemko LT-S1) ^(08 05 13)

Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.

08 05 13 00-0002	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	73.39
For 9/16" To 1-1/16" Glazing Pocket, Add			36.70
08 05 13 00-0003	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	92.90
For 9/16" To 1-1/16" Glazing Pocket, Add			46.45
08 05 13 00-0004	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	107.76
For 9/16" To 1-1/16" Glazing Pocket, Add			53.88
08 05 13 00-0005	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	137.48
For 9/16" To 1-1/16" Glazing Pocket, Add			68.74
08 05 13 00-0006	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	178.36
For 9/16" To 1-1/16" Glazing Pocket, Add			89.18
08 05 13 00-0007	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	227.59
For 9/16" To 1-1/16" Glazing Pocket, Add			113.80
08 05 13 00-0008	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	241.53
For 9/16" To 1-1/16" Glazing Pocket, Add			120.77
08 05 13 00-0009	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	125.17
For 9/16" To 1-1/16" Glazing Pocket, Add			33.36
08 05 13 00-0010	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	148.75
For 9/16" To 1-1/16" Glazing Pocket, Add			42.23

08 Openings**08 05 Common Work Results For Openings****08 05 13 Door Options And Modifications**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0011	EA		For >2 To 4 SF, Site Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	168.10	
			For 9/16" To 1-1/16" Glazing Pocket, Add	48.98	
08 05 13 00-0012	EA		For >4 To 6 SF, Site Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	200.98	
			For 9/16" To 1-1/16" Glazing Pocket, Add	62.50	
08 05 13 00-0013	EA		For >6 To 8 SF, Site Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	243.98	
			For 9/16" To 1-1/16" Glazing Pocket, Add	81.07	
08 05 13 00-0014	EA		For >8 To 10 SF, Site Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	294.58	
			For 9/16" To 1-1/16" Glazing Pocket, Add	103.45	
08 05 13 00-0015	EA		For >10 SF, Site Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	313.09	
			For 9/16" To 1-1/16" Glazing Pocket, Add	109.79	
08 05 13 00-0016			Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY) (08 05 13)		
			Note: Factory primed or powder coated.		
08 05 13 00-0017	EA		For Up To 1 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	91.04	
08 05 13 00-0018	EA		For >1 To 2 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	102.18	
08 05 13 00-0019	EA		For >2 To 4 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	135.63	
08 05 13 00-0020	EA		For >4 To 6 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	215.52	
08 05 13 00-0021	EA		For >6 To 8 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	285.19	
08 05 13 00-0022	EA		For >8 To 10 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	354.86	
08 05 13 00-0023	EA		For >10 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	404.09	
08 05 13 00-0024	EA		For Up To 1 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	134.88	
08 05 13 00-0025	EA		For >1 To 2 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	150.40	
08 05 13 00-0026	EA		For >2 To 4 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	188.24	
08 05 13 00-0027	EA		For >4 To 6 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	272.51	
08 05 13 00-0028	EA		For >6 To 8 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	346.57	
08 05 13 00-0029	EA		For >8 To 10 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	420.62	
08 05 13 00-0030	EA		For >10 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	474.23	
08 05 13 00-0031			Door Hardware Preparation (08 05 13)		
08 05 13 00-0032	EA		Prepare Existing Wood Door (Rated) For Mortise Hardware	108.08	
			Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0033	EA		Prepare Existing Wood Door (Non Rated) For Mortise Hardware	49.66	
08 05 13 00-0034	EA		Prepare Existing Wood Door (Rated) For Cylindrical Hardware	87.63	
			Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0035	EA		Prepare Existing Wood Door (Non Rated) For Cylindrical Hardware	14.60	
08 05 13 00-0036	EA		Prepare Existing Wood Door (Rated) For Concealed Vertical Rod	160.68	
			Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0037	EA		Prepare Existing Wood Door (Non Rated) For Concealed Vertical Rod	102.24	
08 05 13 00-0038	EA		Prepare Existing Wood Door (Rated) For Electric Hardware	108.08	
			Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0039	EA		Prepare Existing Door (Non Rated) For Electric Hardware	49.66	
08 05 13 00-0040			Door Modifications (08 05 13)		
08 05 13 00-0041	EA		Removal And Reinstallation Of Door	49.68	
08 05 13 00-0042	EA		Removal And Reinstallation Of Metal Door Frame	97.42	
08 05 13 00-0043	EA		Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile	52.61	
			Note: Excludes removal and reinstallation of door.		
08 05 13 00-0044	EA		Modify Metal Door Frame For Door Swing	666.60	
			Note: Includes removal of door, blank hinge plates, continuous hinge, blank strike plate, new strike plate and reinstallation of door.		
08 05 13 00-0045	EA		For Factory Installed Sound Proofing (STC 28) In Metal Door, Add	90.75	
08 05 13 00-0046	SF		For 16 Gauge Steel Metal Plate Bolted On Door	16.61	
			Note: Includes mounting hardware.		
08 05 13 00-0047	EA		Removal And Reinstallation Of Wood Door Frame	59.13	
08 05 13 00-0048	EA		Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile	26.60	
			Note: Excludes removal and reinstallation of door.		

08 10 Doors And Frames (08)**08 11 Metal Doors And Frames (08 10)**



Openings	08	08
Doors And Frames	08 10	
Metal Doors And Frames	08 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 11 63 Metal Screen And Storm Doors And Frames (08 11)		
08 11 63 13 Steel Screen And Storm Doors And Frames (08 11 63)		
08 11 63 13-0001 Steel Screen Door (08 11 63 13)		
Note: Includes frame, trim, necessary anchors and hardware (closures, chain and spring, latching, screens, etc.).		
08 11 63 13-0002 EA 2'-8" x 7" Steel Screen Door, Residential, With Frame, Trim, Hardware.....	595.68	80.37
08 11 63 13-0003 EA 3' x 7" Steel Screen Door, Residential, With Frame, Trim, Hardware.....	601.55	83.30
08 11 63 13-0004 EA Steel Combination Type Residential Storm Door, With Mesh And Tempered Glass With Frame, Trim, Hardware.....	644.69	83.30
08 11 63 23 Aluminum Screen And Storm Doors And Frames (08 11 63)		
08 11 63 23-0001 Aluminum Combination Type With Tempered Glass At Top And Bottom (08 11 63 23)		
Note: Includes frame trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).		
08 11 63 23-0002 EA Aluminum Combination Type Residential Storm Door, Tempered Glass Top With Frame, Trim, Hardware.....	337.90	46.77
For Special Finished, Add	26.52	
08 11 63 23-0003 EA Aluminum Combination Type Residential Storm Door, Tempered Glass Top And Bottom With Frame, Trim, Hardware.....	352.81	46.77
08 11 63 23-0004 EA Aluminum Screen Door.....	157.25	29.21
08 11 63 23-0005 SF Repair Screen Door.....	4.88	
08 11 73 Sliding Metal Fire Doors (08 11)		
08 11 73 00-0001 Motor Operated Fire Door (08 11 73)		
Note: With fusible link, 3 hour rating. Excludes electrical hook-up of motor.		
08 11 73 00-0002 EA 3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	2,930.94	335.56
08 11 73 00-0003 EA 3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	3,151.47	335.56
08 11 73 00-0004 EA 4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	3,522.99	335.56
08 11 73 00-0005 EA 5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	3,924.37	335.56
08 12 Metal Frames (08 10)		
Note: All door frames include perimeter caulk, sealant (as required), anchors and silencers.		
08 12 13 Hollow Metal Frames (08 12)		
08 12 13 13 Standard Hollow Metal Frames (08 12 13)		
Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.		
08 12 13 13-0001 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames (08 12 13 13)		
08 12 13 13-0002 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames (08 12 13 13-0001)		
08 12 13 13-0003 EA 2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	184.64	43.84
For Auxiliary Frame Reinforcement For Hinges, Add	14.54	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	11.64	
For Type 304 Stainless Steel Frame, Add	178.91	
For Type 316 Stainless Steel Frame, Add	208.00	
For Baked Enamel Finish, Add	42.24	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-9.70	
For 14 Gauge Frame, Add	24.24	
For 12 Gauge Frame, Add	36.84	
08 12 13 13-0004 EA 2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	211.87	48.22
For Auxiliary Frame Reinforcement For Hinges, Add	17.31	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	13.85	
For Type 304 Stainless Steel Frame, Add	212.58	
For Type 316 Stainless Steel Frame, Add	247.20	
For Baked Enamel Finish, Add	49.09	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-11.54	
For 14 Gauge Frame, Add	28.86	
For 12 Gauge Frame, Add	43.86	
08 12 13 13-0005 EA 2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	219.56	51.15
For Auxiliary Frame Reinforcement For Hinges, Add	17.59	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	14.07	
For Type 304 Stainless Steel Frame, Add	216.20	
For Type 316 Stainless Steel Frame, Add	251.38	
For Baked Enamel Finish, Add	50.52	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-11.73	
For 14 Gauge Frame, Add	29.32	
For 12 Gauge Frame, Add	44.56	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0006	EA		2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	228.33	55.53
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	17.59	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	14.07	
			<i>For Type 304 Stainless Steel Frame, Add</i>	216.64	
			<i>For Type 316 Stainless Steel Frame, Add</i>	251.82	
			<i>For Baked Enamel Finish, Add</i>	51.84	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-11.73	
			<i>For 14 Gauge Frame, Add</i>	29.32	
			<i>For 12 Gauge Frame, Add</i>	44.56	
08 12 13 13-0007	EA		2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	233.10	56.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	17.87	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	14.29	
			<i>For Type 304 Stainless Steel Frame, Add</i>	220.12	
			<i>For Type 316 Stainless Steel Frame, Add</i>	255.85	
			<i>For Baked Enamel Finish, Add</i>	52.83	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-11.91	
			<i>For 14 Gauge Frame, Add</i>	29.78	
			<i>For 12 Gauge Frame, Add</i>	45.27	
08 12 13 13-0008	EA		3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	237.87	58.45
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	18.15	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	14.52	
			<i>For Type 304 Stainless Steel Frame, Add</i>	223.59	
			<i>For Type 316 Stainless Steel Frame, Add</i>	259.88	
			<i>For Baked Enamel Finish, Add</i>	53.83	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-12.10	
			<i>For 14 Gauge Frame, Add</i>	30.24	
			<i>For 12 Gauge Frame, Add</i>	45.97	
08 12 13 13-0009	EA		3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	252.03	61.38
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	19.39	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	15.51	
			<i>For Type 304 Stainless Steel Frame, Add</i>	238.84	
			<i>For Type 316 Stainless Steel Frame, Add</i>	277.63	
			<i>For Baked Enamel Finish, Add</i>	57.20	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-12.93	
			<i>For 14 Gauge Frame, Add</i>	32.32	
			<i>For 12 Gauge Frame, Add</i>	49.13	
08 12 13 13-0010	EA		3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	257.87	64.30
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	19.39	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	15.51	
			<i>For Type 304 Stainless Steel Frame, Add</i>	239.13	
			<i>For Type 316 Stainless Steel Frame, Add</i>	277.92	
			<i>For Baked Enamel Finish, Add</i>	58.07	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-12.93	
			<i>For 14 Gauge Frame, Add</i>	32.32	
			<i>For 12 Gauge Frame, Add</i>	49.13	
08 12 13 13-0011	EA		4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	268.33	67.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	20.08	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	16.07	
			<i>For Type 304 Stainless Steel Frame, Add</i>	247.72	
			<i>For Type 316 Stainless Steel Frame, Add</i>	287.89	
			<i>For Baked Enamel Finish, Add</i>	60.33	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-13.39	
			<i>For 14 Gauge Frame, Add</i>	33.47	
			<i>For 12 Gauge Frame, Add</i>	50.88	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0012 EA 5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	278.80	70.14
For Auxiliary Frame Reinforcement For Hinges, Add	20.78	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	16.62	
For Type 304 Stainless Steel Frame, Add	256.33	
For Type 316 Stainless Steel Frame, Add	297.89	
For Baked Enamel Finish, Add	62.60	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-13.85	
For 14 Gauge Frame, Add	34.63	
For 12 Gauge Frame, Add	52.63	
08 12 13 13-0013 EA 5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	284.64	73.07
For Auxiliary Frame Reinforcement For Hinges, Add	20.78	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	16.62	
For Type 304 Stainless Steel Frame, Add	256.62	
For Type 316 Stainless Steel Frame, Add	298.18	
For Baked Enamel Finish, Add	63.47	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-13.85	
For 14 Gauge Frame, Add	34.63	
For 12 Gauge Frame, Add	52.63	
08 12 13 13-0014 EA 5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	289.88	74.53
For Auxiliary Frame Reinforcement For Hinges, Add	21.12	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	16.90	
For Type 304 Stainless Steel Frame, Add	260.93	
For Type 316 Stainless Steel Frame, Add	303.18	
For Baked Enamel Finish, Add	64.61	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-14.08	
For 14 Gauge Frame, Add	35.21	
For 12 Gauge Frame, Add	53.51	
08 12 13 13-0015 EA 6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	295.10	75.99
For Auxiliary Frame Reinforcement For Hinges, Add	21.47	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	17.18	
For Type 304 Stainless Steel Frame, Add	265.23	
For Type 316 Stainless Steel Frame, Add	308.17	
For Baked Enamel Finish, Add	65.73	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-14.31	
For 14 Gauge Frame, Add	35.78	
For 12 Gauge Frame, Add	54.39	
08 12 13 13-0016 EA 7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	307.26	77.45
For Auxiliary Frame Reinforcement For Hinges, Add	22.85	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	18.28	
For Type 304 Stainless Steel Frame, Add	281.99	
For Type 316 Stainless Steel Frame, Add	327.70	
For Baked Enamel Finish, Add	68.94	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-15.24	
For 14 Gauge Frame, Add	38.09	
For 12 Gauge Frame, Add	57.90	
08 12 13 13-0017 EA 8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	319.42	78.91
For Auxiliary Frame Reinforcement For Hinges, Add	24.24	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	19.39	
For Type 304 Stainless Steel Frame, Add	298.77	
For Type 316 Stainless Steel Frame, Add	347.25	
For Baked Enamel Finish, Add	72.15	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-16.16	
For 14 Gauge Frame, Add	40.40	
For 12 Gauge Frame, Add	61.41	

08 12 13 13-0018 >7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door
Frames (08 12 13 13-0001)

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 12 13 13-0019	EA	2' x >7'-2"	Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	195.41	43.84
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	16.16	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	12.93	
			<i>For Type 304 Stainless Steel Frame, Add</i>	198.30	
			<i>For Type 316 Stainless Steel Frame, Add</i>	230.62	
			<i>For Baked Enamel Finish, Add</i>	45.47	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-10.77	
			<i>For 14 Gauge Frame, Add</i>	26.93	
			<i>For 12 Gauge Frame, Add</i>	40.94	
08 12 13 13-0020	EA	2'-4" x >7'-2"	Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	224.70	48.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	19.24	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	15.39	
			<i>For Type 304 Stainless Steel Frame, Add</i>	235.67	
			<i>For Type 316 Stainless Steel Frame, Add</i>	274.15	
			<i>For Baked Enamel Finish, Add</i>	52.94	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-12.83	
			<i>For 14 Gauge Frame, Add</i>	32.06	
			<i>For 12 Gauge Frame, Add</i>	48.74	
08 12 13 13-0021	EA	2'-6" x >7'-2"	Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	232.59	51.15
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	19.55	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	15.64	
			<i>For Type 304 Stainless Steel Frame, Add</i>	239.65	
			<i>For Type 316 Stainless Steel Frame, Add</i>	278.74	
			<i>For Baked Enamel Finish, Add</i>	54.43	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-13.03	
			<i>For 14 Gauge Frame, Add</i>	32.58	
			<i>For 12 Gauge Frame, Add</i>	49.51	
08 12 13 13-0022	EA	2'-8" x >7'-2"	Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	241.36	55.53
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	19.55	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	15.64	
			<i>For Type 304 Stainless Steel Frame, Add</i>	240.09	
			<i>For Type 316 Stainless Steel Frame, Add</i>	279.18	
			<i>For Baked Enamel Finish, Add</i>	55.75	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-13.03	
			<i>For 14 Gauge Frame, Add</i>	32.58	
			<i>For 12 Gauge Frame, Add</i>	49.51	
08 12 13 13-0023	EA	2'-10" x >7'-2"	Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	246.33	56.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	19.85	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	15.88	
			<i>For Type 304 Stainless Steel Frame, Add</i>	243.93	
			<i>For Type 316 Stainless Steel Frame, Add</i>	283.63	
			<i>For Baked Enamel Finish, Add</i>	56.80	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-13.24	
			<i>For 14 Gauge Frame, Add</i>	33.09	
			<i>For 12 Gauge Frame, Add</i>	50.29	
08 12 13 13-0024	EA	3' x >7'-2"	Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	251.31	58.45
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	20.16	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	16.13	
			<i>For Type 304 Stainless Steel Frame, Add</i>	247.78	
			<i>For Type 316 Stainless Steel Frame, Add</i>	288.11	
			<i>For Baked Enamel Finish, Add</i>	57.86	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-13.44	
			<i>For 14 Gauge Frame, Add</i>	33.60	
			<i>For 12 Gauge Frame, Add</i>	51.08	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0025 EA 3'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	266.39	61.38
For Auxiliary Frame Reinforcement For Hinges, Add	21.55	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	17.24	
For Type 304 Stainless Steel Frame, Add	264.69	
For Type 316 Stainless Steel Frame, Add	307.78	
For Baked Enamel Finish, Add	61.50	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-14.36	
For 14 Gauge Frame, Add	35.91	
For 12 Gauge Frame, Add	54.58	
08 12 13 13-0026 EA 3'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	272.23	64.30
For Auxiliary Frame Reinforcement For Hinges, Add	21.55	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	17.24	
For Type 304 Stainless Steel Frame, Add	264.98	
For Type 316 Stainless Steel Frame, Add	308.07	
For Baked Enamel Finish, Add	62.38	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-14.36	
For 14 Gauge Frame, Add	35.91	
For 12 Gauge Frame, Add	54.58	
08 12 13 13-0027 EA 4' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	283.21	67.22
For Auxiliary Frame Reinforcement For Hinges, Add	22.32	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	17.85	
For Type 304 Stainless Steel Frame, Add	274.51	
For Type 316 Stainless Steel Frame, Add	319.14	
For Baked Enamel Finish, Add	64.80	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-14.88	
For 14 Gauge Frame, Add	37.19	
For 12 Gauge Frame, Add	56.53	
08 12 13 13-0028 EA 5' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	294.19	70.14
For Auxiliary Frame Reinforcement For Hinges, Add	23.09	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	18.47	
For Type 304 Stainless Steel Frame, Add	284.03	
For Type 316 Stainless Steel Frame, Add	330.20	
For Baked Enamel Finish, Add	67.21	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-15.39	
For 14 Gauge Frame, Add	38.48	
For 12 Gauge Frame, Add	58.48	
08 12 13 13-0029 EA 5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	300.03	73.07
For Auxiliary Frame Reinforcement For Hinges, Add	23.09	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	18.47	
For Type 304 Stainless Steel Frame, Add	284.33	
For Type 316 Stainless Steel Frame, Add	330.50	
For Baked Enamel Finish, Add	68.09	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-15.39	
For 14 Gauge Frame, Add	38.48	
For 12 Gauge Frame, Add	58.48	
08 12 13 13-0030 EA 5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	305.52	74.53
For Auxiliary Frame Reinforcement For Hinges, Add	23.47	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	18.78	
For Type 304 Stainless Steel Frame, Add	289.08	
For Type 316 Stainless Steel Frame, Add	336.02	
For Baked Enamel Finish, Add	69.30	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-15.65	
For 14 Gauge Frame, Add	39.12	
For 12 Gauge Frame, Add	59.45	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0031	EA		6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	311.00	75.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	23.85	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	19.08	
			<i>For Type 304 Stainless Steel Frame, Add</i>	293.85	
			<i>For Type 316 Stainless Steel Frame, Add</i>	341.56	
			<i>For Baked Enamel Finish, Add</i>	70.50	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-15.90	
			<i>For 14 Gauge Frame, Add</i>	39.76	
			<i>For 12 Gauge Frame, Add</i>	60.43	
08 12 13 13-0032	EA		7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	324.19	77.45
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	25.39	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	20.31	
			<i>For Type 304 Stainless Steel Frame, Add</i>	312.47	
			<i>For Type 316 Stainless Steel Frame, Add</i>	363.25	
			<i>For Baked Enamel Finish, Add</i>	74.02	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-16.93	
			<i>For 14 Gauge Frame, Add</i>	42.32	
			<i>For 12 Gauge Frame, Add</i>	64.33	
08 12 13 13-0033	EA		8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	337.37	78.91
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	26.93	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	21.55	
			<i>For Type 304 Stainless Steel Frame, Add</i>	331.08	
			<i>For Type 316 Stainless Steel Frame, Add</i>	384.95	
			<i>For Baked Enamel Finish, Add</i>	77.54	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-17.96	
			<i>For 14 Gauge Frame, Add</i>	44.89	
			<i>For 12 Gauge Frame, Add</i>	68.23	
08 12 13 13-0034			5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames <small>(08 12 13 13)</small>		
08 12 13 13-0035			6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames <small>(08 12 13 13-0034)</small>		
08 12 13 13-0036	EA		2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	195.41	43.84
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	16.16	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	12.93	
			<i>For Type 304 Stainless Steel Frame, Add</i>	198.30	
			<i>For Type 316 Stainless Steel Frame, Add</i>	230.62	
			<i>For Baked Enamel Finish, Add</i>	45.47	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-10.77	
			<i>For 14 Gauge Frame, Add</i>	26.93	
			<i>For 12 Gauge Frame, Add</i>	40.94	
08 12 13 13-0037	EA		2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	224.70	48.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	19.24	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	15.39	
			<i>For Type 304 Stainless Steel Frame, Add</i>	235.67	
			<i>For Type 316 Stainless Steel Frame, Add</i>	274.15	
			<i>For Baked Enamel Finish, Add</i>	52.94	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-12.83	
			<i>For 14 Gauge Frame, Add</i>	32.06	
			<i>For 12 Gauge Frame, Add</i>	48.74	
08 12 13 13-0038	EA		2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	232.59	51.15
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	19.55	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	15.64	
			<i>For Type 304 Stainless Steel Frame, Add</i>	239.65	
			<i>For Type 316 Stainless Steel Frame, Add</i>	278.74	
			<i>For Baked Enamel Finish, Add</i>	54.43	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-13.03	
			<i>For 14 Gauge Frame, Add</i>	32.58	
			<i>For 12 Gauge Frame, Add</i>	49.51	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0039 EA 2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	241.36	55.53
For Auxiliary Frame Reinforcement For Hinges, Add	19.55	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	15.64	
For Type 304 Stainless Steel Frame, Add	240.09	
For Type 316 Stainless Steel Frame, Add	279.18	
For Baked Enamel Finish, Add	55.75	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-13.03	
For 14 Gauge Frame, Add	32.58	
For 12 Gauge Frame, Add	49.51	
08 12 13 13-0040 EA 2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	246.33	56.99
For Auxiliary Frame Reinforcement For Hinges, Add	19.85	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	15.88	
For Type 304 Stainless Steel Frame, Add	243.93	
For Type 316 Stainless Steel Frame, Add	283.63	
For Baked Enamel Finish, Add	56.80	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-13.24	
For 14 Gauge Frame, Add	33.09	
For 12 Gauge Frame, Add	50.29	
08 12 13 13-0041 EA 3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	251.31	58.45
For Auxiliary Frame Reinforcement For Hinges, Add	20.16	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	16.13	
For Type 304 Stainless Steel Frame, Add	247.78	
For Type 316 Stainless Steel Frame, Add	288.11	
For Baked Enamel Finish, Add	57.86	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-13.44	
For 14 Gauge Frame, Add	33.60	
For 12 Gauge Frame, Add	51.08	
08 12 13 13-0042 EA 3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	266.39	61.38
For Auxiliary Frame Reinforcement For Hinges, Add	21.55	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	17.24	
For Type 304 Stainless Steel Frame, Add	264.69	
For Type 316 Stainless Steel Frame, Add	307.78	
For Baked Enamel Finish, Add	61.50	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-14.36	
For 14 Gauge Frame, Add	35.91	
For 12 Gauge Frame, Add	54.58	
08 12 13 13-0043 EA 3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	272.23	64.30
For Auxiliary Frame Reinforcement For Hinges, Add	21.55	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	17.24	
For Type 304 Stainless Steel Frame, Add	264.98	
For Type 316 Stainless Steel Frame, Add	308.07	
For Baked Enamel Finish, Add	62.38	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-14.36	
For 14 Gauge Frame, Add	35.91	
For 12 Gauge Frame, Add	54.58	
08 12 13 13-0044 EA 4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	283.21	67.22
For Auxiliary Frame Reinforcement For Hinges, Add	22.32	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	17.85	
For Type 304 Stainless Steel Frame, Add	274.51	
For Type 316 Stainless Steel Frame, Add	319.14	
For Baked Enamel Finish, Add	64.80	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-14.88	
For 14 Gauge Frame, Add	37.19	
For 12 Gauge Frame, Add	56.53	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0045	EA		5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	294.19	70.14
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	23.09	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	18.47	
			<i>For Type 304 Stainless Steel Frame, Add</i>	284.03	
			<i>For Type 316 Stainless Steel Frame, Add</i>	330.20	
			<i>For Baked Enamel Finish, Add</i>	67.21	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-15.39	
			<i>For 14 Gauge Frame, Add</i>	38.48	
			<i>For 12 Gauge Frame, Add</i>	58.48	
08 12 13 13-0046	EA		5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	300.03	73.07
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	23.09	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	18.47	
			<i>For Type 304 Stainless Steel Frame, Add</i>	284.33	
			<i>For Type 316 Stainless Steel Frame, Add</i>	330.50	
			<i>For Baked Enamel Finish, Add</i>	68.09	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-15.39	
			<i>For 14 Gauge Frame, Add</i>	38.48	
			<i>For 12 Gauge Frame, Add</i>	58.48	
08 12 13 13-0047	EA		5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	305.52	74.53
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	23.47	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	18.78	
			<i>For Type 304 Stainless Steel Frame, Add</i>	289.08	
			<i>For Type 316 Stainless Steel Frame, Add</i>	336.02	
			<i>For Baked Enamel Finish, Add</i>	69.30	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-15.65	
			<i>For 14 Gauge Frame, Add</i>	39.12	
			<i>For 12 Gauge Frame, Add</i>	59.45	
08 12 13 13-0048	EA		6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	311.00	75.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	23.85	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	19.08	
			<i>For Type 304 Stainless Steel Frame, Add</i>	293.85	
			<i>For Type 316 Stainless Steel Frame, Add</i>	341.56	
			<i>For Baked Enamel Finish, Add</i>	70.50	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-15.90	
			<i>For 14 Gauge Frame, Add</i>	39.76	
			<i>For 12 Gauge Frame, Add</i>	60.43	
08 12 13 13-0049	EA		7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	324.19	77.45
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	25.39	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	20.31	
			<i>For Type 304 Stainless Steel Frame, Add</i>	312.47	
			<i>For Type 316 Stainless Steel Frame, Add</i>	363.25	
			<i>For Baked Enamel Finish, Add</i>	74.02	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-16.93	
			<i>For 14 Gauge Frame, Add</i>	42.32	
			<i>For 12 Gauge Frame, Add</i>	64.33	
08 12 13 13-0050	EA		8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	337.37	78.91
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	26.93	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	21.55	
			<i>For Type 304 Stainless Steel Frame, Add</i>	331.08	
			<i>For Type 316 Stainless Steel Frame, Add</i>	384.95	
			<i>For Baked Enamel Finish, Add</i>	77.54	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-17.96	
			<i>For 14 Gauge Frame, Add</i>	44.89	
			<i>For 12 Gauge Frame, Add</i>	68.23	

08 12 13 13-0051 >7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door
Frames (08 12 13 13-0034)



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0052 EA 2' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	207.38	43.84
For Auxiliary Frame Reinforcement For Hinges, Add	17.96	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	14.36	
For Type 304 Stainless Steel Frame, Add	219.84	
For Type 316 Stainless Steel Frame, Add	255.75	
For Baked Enamel Finish, Add	49.06	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-11.97	
For 14 Gauge Frame, Add	29.93	
For 12 Gauge Frame, Add	45.49	
08 12 13 13-0053 EA 2'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	238.95	48.22
For Auxiliary Frame Reinforcement For Hinges, Add	21.38	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	17.10	
For Type 304 Stainless Steel Frame, Add	261.32	
For Type 316 Stainless Steel Frame, Add	304.07	
For Baked Enamel Finish, Add	57.22	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-14.25	
For 14 Gauge Frame, Add	35.63	
For 12 Gauge Frame, Add	54.15	
08 12 13 13-0054 EA 2'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	247.07	51.15
For Auxiliary Frame Reinforcement For Hinges, Add	21.72	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	17.37	
For Type 304 Stainless Steel Frame, Add	265.72	
For Type 316 Stainless Steel Frame, Add	309.15	
For Baked Enamel Finish, Add	58.78	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-14.48	
For 14 Gauge Frame, Add	36.20	
For 12 Gauge Frame, Add	55.02	
08 12 13 13-0055 EA 2'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	255.84	55.53
For Auxiliary Frame Reinforcement For Hinges, Add	21.72	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	17.37	
For Type 304 Stainless Steel Frame, Add	266.16	
For Type 316 Stainless Steel Frame, Add	309.59	
For Baked Enamel Finish, Add	60.09	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-14.48	
For 14 Gauge Frame, Add	36.20	
For 12 Gauge Frame, Add	55.02	
08 12 13 13-0056 EA 2'-10" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	261.04	56.99
For Auxiliary Frame Reinforcement For Hinges, Add	22.06	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	17.65	
For Type 304 Stainless Steel Frame, Add	270.41	
For Type 316 Stainless Steel Frame, Add	314.53	
For Baked Enamel Finish, Add	61.22	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-14.71	
For 14 Gauge Frame, Add	36.77	
For 12 Gauge Frame, Add	55.88	
08 12 13 13-0057 EA 3' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	266.24	58.45
For Auxiliary Frame Reinforcement For Hinges, Add	22.40	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	17.92	
For Type 304 Stainless Steel Frame, Add	274.66	
For Type 316 Stainless Steel Frame, Add	319.46	
For Baked Enamel Finish, Add	62.34	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-14.93	
For 14 Gauge Frame, Add	37.34	
For 12 Gauge Frame, Add	56.75	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0058	EA		3'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	282.35	61.38
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	23.94	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	19.15	
			<i>For Type 304 Stainless Steel Frame, Add</i>	293.42	
			<i>For Type 316 Stainless Steel Frame, Add</i>	341.30	
			<i>For Baked Enamel Finish, Add</i>	66.29	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-15.96	
			<i>For 14 Gauge Frame, Add</i>	39.90	
			<i>For 12 Gauge Frame, Add</i>	60.65	
08 12 13 13-0059	EA		3'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	288.19	64.30
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	23.94	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	19.15	
			<i>For Type 304 Stainless Steel Frame, Add</i>	293.71	
			<i>For Type 316 Stainless Steel Frame, Add</i>	341.59	
			<i>For Baked Enamel Finish, Add</i>	67.17	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-15.96	
			<i>For 14 Gauge Frame, Add</i>	39.90	
			<i>For 12 Gauge Frame, Add</i>	60.65	
08 12 13 13-0060	EA		4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	299.74	67.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	24.80	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	19.84	
			<i>For Type 304 Stainless Steel Frame, Add</i>	304.26	
			<i>For Type 316 Stainless Steel Frame, Add</i>	353.85	
			<i>For Baked Enamel Finish, Add</i>	69.76	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-16.53	
			<i>For 14 Gauge Frame, Add</i>	41.33	
			<i>For 12 Gauge Frame, Add</i>	62.81	
08 12 13 13-0061	EA		5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	311.29	70.14
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	25.65	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	20.52	
			<i>For Type 304 Stainless Steel Frame, Add</i>	314.81	
			<i>For Type 316 Stainless Steel Frame, Add</i>	366.11	
			<i>For Baked Enamel Finish, Add</i>	72.34	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-17.10	
			<i>For 14 Gauge Frame, Add</i>	42.75	
			<i>For 12 Gauge Frame, Add</i>	64.98	
08 12 13 13-0062	EA		5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	317.13	73.07
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	25.65	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	20.52	
			<i>For Type 304 Stainless Steel Frame, Add</i>	315.11	
			<i>For Type 316 Stainless Steel Frame, Add</i>	366.41	
			<i>For Baked Enamel Finish, Add</i>	73.22	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-17.10	
			<i>For 14 Gauge Frame, Add</i>	42.75	
			<i>For 12 Gauge Frame, Add</i>	64.98	
08 12 13 13-0063	EA		5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	322.91	74.53
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	26.08	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	20.86	
			<i>For Type 304 Stainless Steel Frame, Add</i>	320.38	
			<i>For Type 316 Stainless Steel Frame, Add</i>	372.54	
			<i>For Baked Enamel Finish, Add</i>	74.51	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-17.39	
			<i>For 14 Gauge Frame, Add</i>	43.46	
			<i>For 12 Gauge Frame, Add</i>	66.06	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0064	EA		6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame 328.67		75.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	26.51	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	21.20	
			<i>For Type 304 Stainless Steel Frame, Add</i>	325.66	
			<i>For Type 316 Stainless Steel Frame, Add</i>	378.67	
			<i>For Baked Enamel Finish, Add</i>	75.81	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-17.67	
			<i>For 14 Gauge Frame, Add</i>	44.18	
			<i>For 12 Gauge Frame, Add</i>	67.15	
08 12 13 13-0065	EA		7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame 343.00		77.45
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	28.22	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	22.57	
			<i>For Type 304 Stainless Steel Frame, Add</i>	346.33	
			<i>For Type 316 Stainless Steel Frame, Add</i>	402.76	
			<i>For Baked Enamel Finish, Add</i>	79.67	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-18.81	
			<i>For 14 Gauge Frame, Add</i>	47.03	
			<i>For 12 Gauge Frame, Add</i>	71.48	
08 12 13 13-0066	EA		8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame 357.32		78.91
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	29.93	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	23.94	
			<i>For Type 304 Stainless Steel Frame, Add</i>	366.99	
			<i>For Type 316 Stainless Steel Frame, Add</i>	426.84	
			<i>For Baked Enamel Finish, Add</i>	83.52	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-19.95	
			<i>For 14 Gauge Frame, Add</i>	49.88	
			<i>For 12 Gauge Frame, Add</i>	75.81	
08 12 13 13-0067			6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames (08 12 13 13)		
08 12 13 13-0068			6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames (08 12 13 13-0067)		
08 12 13 13-0069	EA		2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame 258.23		43.84
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	25.58	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	20.47	
			<i>For Type 304 Stainless Steel Frame, Add</i>	311.37	
			<i>For Type 316 Stainless Steel Frame, Add</i>	362.54	
			<i>For Baked Enamel Finish, Add</i>	64.32	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-17.06	
			<i>For 14 Gauge Frame, Add</i>	42.64	
			<i>For 12 Gauge Frame, Add</i>	64.81	
08 12 13 13-0070	EA		2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame 299.48		48.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	30.45	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	24.36	
			<i>For Type 304 Stainless Steel Frame, Add</i>	370.28	
			<i>For Type 316 Stainless Steel Frame, Add</i>	431.19	
			<i>For Baked Enamel Finish, Add</i>	75.38	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-20.30	
			<i>For 14 Gauge Frame, Add</i>	50.76	
			<i>For 12 Gauge Frame, Add</i>	77.15	
08 12 13 13-0071	EA		2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame 308.57		51.15
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	30.94	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	24.75	
			<i>For Type 304 Stainless Steel Frame, Add</i>	376.42	
			<i>For Type 316 Stainless Steel Frame, Add</i>	438.30	
			<i>For Baked Enamel Finish, Add</i>	77.23	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-20.63	
			<i>For 14 Gauge Frame, Add</i>	51.57	
			<i>For 12 Gauge Frame, Add</i>	78.39	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0072	EA		2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	317.34	55.53
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	30.94	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	24.75	
			<i>For Type 304 Stainless Steel Frame, Add</i>	376.86	
			<i>For Type 316 Stainless Steel Frame, Add</i>	438.74	
			<i>For Baked Enamel Finish, Add</i>	78.54	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-20.63	
			<i>For 14 Gauge Frame, Add</i>	51.57	
			<i>For 12 Gauge Frame, Add</i>	78.39	
08 12 13 13-0073	EA		2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	323.51	56.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.43	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	25.14	
			<i>For Type 304 Stainless Steel Frame, Add</i>	382.85	
			<i>For Type 316 Stainless Steel Frame, Add</i>	445.71	
			<i>For Baked Enamel Finish, Add</i>	79.96	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-20.95	
			<i>For 14 Gauge Frame, Add</i>	52.38	
			<i>For 12 Gauge Frame, Add</i>	79.62	
08 12 13 13-0074	EA		3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	329.68	58.45
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.92	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	25.53	
			<i>For Type 304 Stainless Steel Frame, Add</i>	388.85	
			<i>For Type 316 Stainless Steel Frame, Add</i>	452.68	
			<i>For Baked Enamel Finish, Add</i>	81.37	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-21.28	
			<i>For 14 Gauge Frame, Add</i>	53.20	
			<i>For 12 Gauge Frame, Add</i>	80.86	
08 12 13 13-0075	EA		3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	350.15	61.38
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.11	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	27.29	
			<i>For Type 304 Stainless Steel Frame, Add</i>	415.46	
			<i>For Type 316 Stainless Steel Frame, Add</i>	483.68	
			<i>For Baked Enamel Finish, Add</i>	86.63	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-22.74	
			<i>For 14 Gauge Frame, Add</i>	56.85	
			<i>For 12 Gauge Frame, Add</i>	86.41	
08 12 13 13-0076	EA		3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	355.99	64.30
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.11	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	27.29	
			<i>For Type 304 Stainless Steel Frame, Add</i>	415.75	
			<i>For Type 316 Stainless Steel Frame, Add</i>	483.97	
			<i>For Baked Enamel Finish, Add</i>	87.51	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-22.74	
			<i>For 14 Gauge Frame, Add</i>	56.85	
			<i>For 12 Gauge Frame, Add</i>	86.41	
08 12 13 13-0077	EA		4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	369.96	67.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.33	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	28.26	
			<i>For Type 304 Stainless Steel Frame, Add</i>	430.66	
			<i>For Type 316 Stainless Steel Frame, Add</i>	501.31	
			<i>For Baked Enamel Finish, Add</i>	90.82	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-23.55	
			<i>For 14 Gauge Frame, Add</i>	58.88	
			<i>For 12 Gauge Frame, Add</i>	89.50	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0078 EA 5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	383.93	70.14
For Auxiliary Frame Reinforcement For Hinges, Add	36.55	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	29.24	
For Type 304 Stainless Steel Frame, Add	445.57	
For Type 316 Stainless Steel Frame, Add	518.66	
For Baked Enamel Finish, Add	94.14	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-24.36	
For 14 Gauge Frame, Add	60.91	
For 12 Gauge Frame, Add	92.58	
08 12 13 13-0079 EA 5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	389.77	73.07
For Auxiliary Frame Reinforcement For Hinges, Add	36.55	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	29.24	
For Type 304 Stainless Steel Frame, Add	445.86	
For Type 316 Stainless Steel Frame, Add	518.95	
For Baked Enamel Finish, Add	95.01	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-24.36	
For 14 Gauge Frame, Add	60.91	
For 12 Gauge Frame, Add	92.58	
08 12 13 13-0080 EA 5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	396.76	74.53
For Auxiliary Frame Reinforcement For Hinges, Add	37.16	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	29.72	
For Type 304 Stainless Steel Frame, Add	453.31	
For Type 316 Stainless Steel Frame, Add	527.62	
For Baked Enamel Finish, Add	96.67	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-24.77	
For 14 Gauge Frame, Add	61.93	
For 12 Gauge Frame, Add	94.13	
08 12 13 13-0081 EA 6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	403.73	75.99
For Auxiliary Frame Reinforcement For Hinges, Add	37.76	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	30.21	
For Type 304 Stainless Steel Frame, Add	460.77	
For Type 316 Stainless Steel Frame, Add	536.29	
For Baked Enamel Finish, Add	98.32	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-25.18	
For 14 Gauge Frame, Add	62.94	
For 12 Gauge Frame, Add	95.67	
08 12 13 13-0082 EA 7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	422.90	77.45
For Auxiliary Frame Reinforcement For Hinges, Add	40.20	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	32.16	
For Type 304 Stainless Steel Frame, Add	490.15	
For Type 316 Stainless Steel Frame, Add	570.55	
For Baked Enamel Finish, Add	103.64	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-26.80	
For 14 Gauge Frame, Add	67.00	
For 12 Gauge Frame, Add	101.84	
08 12 13 13-0083 EA 8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	442.07	78.91
For Auxiliary Frame Reinforcement For Hinges, Add	42.64	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	34.11	
For Type 304 Stainless Steel Frame, Add	519.54	
For Type 316 Stainless Steel Frame, Add	604.82	
For Baked Enamel Finish, Add	108.95	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-28.43	
For 14 Gauge Frame, Add	71.06	
For 12 Gauge Frame, Add	108.02	

08 12 13 13-0084 >7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door
Frames (08 12 13 13-0067)

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0085	EA	2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	277.18	43.84
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	28.43	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	22.74	
			<i>For Type 304 Stainless Steel Frame, Add</i>	345.48	
			<i>For Type 316 Stainless Steel Frame, Add</i>	402.33	
			<i>For Baked Enamel Finish, Add</i>	70.00	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-18.95	
			<i>For 14 Gauge Frame, Add</i>	47.38	
			<i>For 12 Gauge Frame, Add</i>	72.01	
08 12 13	13-0086	EA	2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	322.04	48.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.84	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	27.07	
			<i>For Type 304 Stainless Steel Frame, Add</i>	410.88	
			<i>For Type 316 Stainless Steel Frame, Add</i>	478.56	
			<i>For Baked Enamel Finish, Add</i>	82.14	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-22.56	
			<i>For 14 Gauge Frame, Add</i>	56.40	
			<i>For 12 Gauge Frame, Add</i>	85.72	
08 12 13	13-0087	EA	2'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	331.49	51.15
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.38	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	27.50	
			<i>For Type 304 Stainless Steel Frame, Add</i>	417.67	
			<i>For Type 316 Stainless Steel Frame, Add</i>	486.43	
			<i>For Baked Enamel Finish, Add</i>	84.10	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-22.92	
			<i>For 14 Gauge Frame, Add</i>	57.30	
			<i>For 12 Gauge Frame, Add</i>	87.10	
08 12 13	13-0088	EA	2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	340.26	55.53
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.38	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	27.50	
			<i>For Type 304 Stainless Steel Frame, Add</i>	418.11	
			<i>For Type 316 Stainless Steel Frame, Add</i>	486.87	
			<i>For Baked Enamel Finish, Add</i>	85.42	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-22.92	
			<i>For 14 Gauge Frame, Add</i>	57.30	
			<i>For 12 Gauge Frame, Add</i>	87.10	
08 12 13	13-0089	EA	2'-10" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	346.79	56.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.92	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	27.94	
			<i>For Type 304 Stainless Steel Frame, Add</i>	424.76	
			<i>For Type 316 Stainless Steel Frame, Add</i>	494.60	
			<i>For Baked Enamel Finish, Add</i>	86.94	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-23.28	
			<i>For 14 Gauge Frame, Add</i>	58.20	
			<i>For 12 Gauge Frame, Add</i>	88.47	
08 12 13	13-0090	EA	3' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	353.32	58.45
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.46	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	28.37	
			<i>For Type 304 Stainless Steel Frame, Add</i>	431.40	
			<i>For Type 316 Stainless Steel Frame, Add</i>	502.33	
			<i>For Baked Enamel Finish, Add</i>	88.46	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-23.64	
			<i>For 14 Gauge Frame, Add</i>	59.11	
			<i>For 12 Gauge Frame, Add</i>	89.84	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0091 EA 3'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	375.41	61.38
For Auxiliary Frame Reinforcement For Hinges, Add	37.90	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	30.32	
For Type 304 Stainless Steel Frame, Add	460.93	
For Type 316 Stainless Steel Frame, Add	536.72	
For Baked Enamel Finish, Add	94.21	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-25.27	
For 14 Gauge Frame, Add	63.17	
For 12 Gauge Frame, Add	96.01	
08 12 13 13-0092 EA 3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	381.25	64.30
For Auxiliary Frame Reinforcement For Hinges, Add	37.90	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	30.32	
For Type 304 Stainless Steel Frame, Add	461.22	
For Type 316 Stainless Steel Frame, Add	537.02	
For Baked Enamel Finish, Add	95.09	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-25.27	
For 14 Gauge Frame, Add	63.17	
For 12 Gauge Frame, Add	96.01	
08 12 13 13-0093 EA 4' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	396.13	67.22
For Auxiliary Frame Reinforcement For Hinges, Add	39.25	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	31.40	
For Type 304 Stainless Steel Frame, Add	477.76	
For Type 316 Stainless Steel Frame, Add	556.27	
For Baked Enamel Finish, Add	98.67	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-26.17	
For 14 Gauge Frame, Add	65.42	
For 12 Gauge Frame, Add	99.44	
08 12 13 13-0094 EA 5' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	411.00	70.14
For Auxiliary Frame Reinforcement For Hinges, Add	40.61	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	32.49	
For Type 304 Stainless Steel Frame, Add	494.29	
For Type 316 Stainless Steel Frame, Add	575.51	
For Baked Enamel Finish, Add	102.26	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-27.07	
For 14 Gauge Frame, Add	67.68	
For 12 Gauge Frame, Add	102.87	
08 12 13 13-0095 EA 5'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	416.84	73.07
For Auxiliary Frame Reinforcement For Hinges, Add	40.61	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	32.49	
For Type 304 Stainless Steel Frame, Add	494.58	
For Type 316 Stainless Steel Frame, Add	575.80	
For Baked Enamel Finish, Add	103.13	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-27.07	
For 14 Gauge Frame, Add	67.68	
For 12 Gauge Frame, Add	102.87	
08 12 13 13-0096 EA 5'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	424.28	74.53
For Auxiliary Frame Reinforcement For Hinges, Add	41.28	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	33.03	
For Type 304 Stainless Steel Frame, Add	502.85	
For Type 316 Stainless Steel Frame, Add	585.42	
For Baked Enamel Finish, Add	104.93	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-27.52	
For 14 Gauge Frame, Add	68.81	
For 12 Gauge Frame, Add	104.58	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0097	EA		6' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	431.71	75.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.96	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	33.57	
			<i>For Type 304 Stainless Steel Frame, Add</i>	511.13	
			<i>For Type 316 Stainless Steel Frame, Add</i>	595.05	
			<i>For Baked Enamel Finish, Add</i>	106.72	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-27.97	
			<i>For 14 Gauge Frame, Add</i>	69.94	
			<i>For 12 Gauge Frame, Add</i>	106.30	
08 12 13 13-0098	EA		7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	452.68	77.45
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	44.67	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	35.73	
			<i>For Type 304 Stainless Steel Frame, Add</i>	543.75	
			<i>For Type 316 Stainless Steel Frame, Add</i>	633.08	
			<i>For Baked Enamel Finish, Add</i>	112.57	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-29.78	
			<i>For 14 Gauge Frame, Add</i>	74.45	
			<i>For 12 Gauge Frame, Add</i>	113.16	
08 12 13 13-0099	EA		8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	473.65	78.91
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	47.37	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	37.90	
			<i>For Type 304 Stainless Steel Frame, Add</i>	576.39	
			<i>For Type 316 Stainless Steel Frame, Add</i>	671.13	
			<i>For Baked Enamel Finish, Add</i>	118.42	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-31.58	
			<i>For 14 Gauge Frame, Add</i>	78.96	
			<i>For 12 Gauge Frame, Add</i>	120.02	
08 12 13 13-0100			6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames ^(08 12 13 13)		
08 12 13 13-0101			6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames ^(08 12 13 13-0100)		
08 12 13 13-0102	EA		2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	271.02	43.84
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	27.50	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	22.00	
			<i>For Type 304 Stainless Steel Frame, Add</i>	334.40	
			<i>For Type 316 Stainless Steel Frame, Add</i>	389.40	
			<i>For Baked Enamel Finish, Add</i>	68.15	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-18.33	
			<i>For 14 Gauge Frame, Add</i>	45.84	
			<i>For 12 Gauge Frame, Add</i>	69.67	
08 12 13 13-0103	EA		2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	314.71	48.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	32.74	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	26.19	
			<i>For Type 304 Stainless Steel Frame, Add</i>	397.69	
			<i>For Type 316 Stainless Steel Frame, Add</i>	463.17	
			<i>For Baked Enamel Finish, Add</i>	79.95	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-21.83	
			<i>For 14 Gauge Frame, Add</i>	54.57	
			<i>For 12 Gauge Frame, Add</i>	82.94	
08 12 13 13-0104	EA		2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	324.04	51.15
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.26	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	26.61	
			<i>For Type 304 Stainless Steel Frame, Add</i>	404.26	
			<i>For Type 316 Stainless Steel Frame, Add</i>	470.79	
			<i>For Baked Enamel Finish, Add</i>	81.87	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-22.18	
			<i>For 14 Gauge Frame, Add</i>	55.44	
			<i>For 12 Gauge Frame, Add</i>	84.27	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0105 EA 2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	332.81	55.53
For Auxiliary Frame Reinforcement For Hinges, Add	33.26	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	26.61	
For Type 304 Stainless Steel Frame, Add	404.70	
For Type 316 Stainless Steel Frame, Add	471.23	
For Baked Enamel Finish, Add	83.18	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-22.18	
For 14 Gauge Frame, Add	55.44	
For 12 Gauge Frame, Add	84.27	
08 12 13 13-0106 EA 2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	339.23	56.99
For Auxiliary Frame Reinforcement For Hinges, Add	33.79	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	27.03	
For Type 304 Stainless Steel Frame, Add	411.15	
For Type 316 Stainless Steel Frame, Add	478.72	
For Baked Enamel Finish, Add	84.67	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-22.53	
For 14 Gauge Frame, Add	56.31	
For 12 Gauge Frame, Add	85.60	
08 12 13 13-0107 EA 3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	345.64	58.45
For Auxiliary Frame Reinforcement For Hinges, Add	34.31	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	27.45	
For Type 304 Stainless Steel Frame, Add	417.58	
For Type 316 Stainless Steel Frame, Add	486.20	
For Baked Enamel Finish, Add	86.16	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-22.87	
For 14 Gauge Frame, Add	57.19	
For 12 Gauge Frame, Add	86.92	
08 12 13 13-0108 EA 3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	367.20	61.38
For Auxiliary Frame Reinforcement For Hinges, Add	36.67	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	29.33	
For Type 304 Stainless Steel Frame, Add	446.15	
For Type 316 Stainless Steel Frame, Add	519.48	
For Baked Enamel Finish, Add	91.75	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-24.45	
For 14 Gauge Frame, Add	61.11	
For 12 Gauge Frame, Add	92.89	
08 12 13 13-0109 EA 3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	373.04	64.30
For Auxiliary Frame Reinforcement For Hinges, Add	36.67	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	29.33	
For Type 304 Stainless Steel Frame, Add	446.44	
For Type 316 Stainless Steel Frame, Add	519.77	
For Baked Enamel Finish, Add	92.62	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-24.45	
For 14 Gauge Frame, Add	61.11	
For 12 Gauge Frame, Add	92.89	
08 12 13 13-0110 EA 4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	387.62	67.22
For Auxiliary Frame Reinforcement For Hinges, Add	37.98	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	30.38	
For Type 304 Stainless Steel Frame, Add	462.45	
For Type 316 Stainless Steel Frame, Add	538.40	
For Baked Enamel Finish, Add	96.12	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-25.32	
For 14 Gauge Frame, Add	63.30	
For 12 Gauge Frame, Add	96.21	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0111	EA	5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	402.20	70.14
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.29	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	31.43	
			<i>For Type 304 Stainless Steel Frame, Add</i>	478.45	
			<i>For Type 316 Stainless Steel Frame, Add</i>	557.03	
			<i>For Baked Enamel Finish, Add</i>	99.62	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-26.19	
			<i>For 14 Gauge Frame, Add</i>	65.48	
			<i>For 12 Gauge Frame, Add</i>	99.53	
08 12 13	13-0112	EA	5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	408.04	73.07
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.29	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	31.43	
			<i>For Type 304 Stainless Steel Frame, Add</i>	478.74	
			<i>For Type 316 Stainless Steel Frame, Add</i>	557.32	
			<i>For Baked Enamel Finish, Add</i>	100.49	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-26.19	
			<i>For 14 Gauge Frame, Add</i>	65.48	
			<i>For 12 Gauge Frame, Add</i>	99.53	
08 12 13	13-0113	EA	5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	415.34	74.53
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.94	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	31.95	
			<i>For Type 304 Stainless Steel Frame, Add</i>	486.76	
			<i>For Type 316 Stainless Steel Frame, Add</i>	566.64	
			<i>For Baked Enamel Finish, Add</i>	102.24	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-26.63	
			<i>For 14 Gauge Frame, Add</i>	66.57	
			<i>For 12 Gauge Frame, Add</i>	101.19	
08 12 13	13-0114	EA	6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	422.61	75.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	40.60	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	32.48	
			<i>For Type 304 Stainless Steel Frame, Add</i>	494.75	
			<i>For Type 316 Stainless Steel Frame, Add</i>	575.94	
			<i>For Baked Enamel Finish, Add</i>	103.99	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-27.06	
			<i>For 14 Gauge Frame, Add</i>	67.66	
			<i>For 12 Gauge Frame, Add</i>	102.84	
08 12 13	13-0115	EA	7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	443.00	77.45
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	43.22	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	34.57	
			<i>For Type 304 Stainless Steel Frame, Add</i>	526.33	
			<i>For Type 316 Stainless Steel Frame, Add</i>	612.76	
			<i>For Baked Enamel Finish, Add</i>	109.67	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-28.81	
			<i>For 14 Gauge Frame, Add</i>	72.03	
			<i>For 12 Gauge Frame, Add</i>	109.48	
08 12 13	13-0116	EA	8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	463.39	78.91
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	45.84	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	36.67	
			<i>For Type 304 Stainless Steel Frame, Add</i>	557.92	
			<i>For Type 316 Stainless Steel Frame, Add</i>	649.59	
			<i>For Baked Enamel Finish, Add</i>	115.34	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-30.56	
			<i>For 14 Gauge Frame, Add</i>	76.39	
			<i>For 12 Gauge Frame, Add</i>	116.12	

08 12 13 13-0117 >7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames (08 12 13 13-0100)



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0118 EA 2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	291.39	43.84
For Auxiliary Frame Reinforcement For Hinges, Add	30.56	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	24.45	
For Type 304 Stainless Steel Frame, Add	371.06	
For Type 316 Stainless Steel Frame, Add	432.18	
For Baked Enamel Finish, Add	74.27	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-20.37	
For 14 Gauge Frame, Add	50.93	
For 12 Gauge Frame, Add	77.41	
08 12 13 13-0119 EA 2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	338.96	48.22
For Auxiliary Frame Reinforcement For Hinges, Add	36.38	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	29.10	
For Type 304 Stainless Steel Frame, Add	441.34	
For Type 316 Stainless Steel Frame, Add	514.09	
For Baked Enamel Finish, Add	87.22	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-24.25	
For 14 Gauge Frame, Add	60.63	
For 12 Gauge Frame, Add	92.15	
08 12 13 13-0120 EA 2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	348.68	51.15
For Auxiliary Frame Reinforcement For Hinges, Add	36.96	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	29.57	
For Type 304 Stainless Steel Frame, Add	448.62	
For Type 316 Stainless Steel Frame, Add	522.53	
For Baked Enamel Finish, Add	89.26	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-24.64	
For 14 Gauge Frame, Add	61.60	
For 12 Gauge Frame, Add	93.63	
08 12 13 13-0121 EA 2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	357.45	55.53
For Auxiliary Frame Reinforcement For Hinges, Add	36.96	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	29.57	
For Type 304 Stainless Steel Frame, Add	449.06	
For Type 316 Stainless Steel Frame, Add	522.97	
For Baked Enamel Finish, Add	90.58	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-24.64	
For 14 Gauge Frame, Add	61.60	
For 12 Gauge Frame, Add	93.63	
08 12 13 13-0122 EA 2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	364.25	56.99
For Auxiliary Frame Reinforcement For Hinges, Add	37.54	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	30.03	
For Type 304 Stainless Steel Frame, Add	456.19	
For Type 316 Stainless Steel Frame, Add	531.27	
For Baked Enamel Finish, Add	92.18	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-25.03	
For 14 Gauge Frame, Add	62.57	
For 12 Gauge Frame, Add	95.10	
08 12 13 13-0123 EA 3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	371.05	58.45
For Auxiliary Frame Reinforcement For Hinges, Add	38.12	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	30.50	
For Type 304 Stainless Steel Frame, Add	463.32	
For Type 316 Stainless Steel Frame, Add	539.56	
For Baked Enamel Finish, Add	93.78	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-25.42	
For 14 Gauge Frame, Add	63.54	
For 12 Gauge Frame, Add	96.58	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0124	EA		3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	394.36	61.38
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	40.74	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	32.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	495.04	
			<i>For Type 316 Stainless Steel Frame, Add</i>	576.52	
			<i>For Baked Enamel Finish, Add</i>	99.90	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-27.16	
			<i>For 14 Gauge Frame, Add</i>	67.90	
			<i>For 12 Gauge Frame, Add</i>	103.21	
08 12 13 13-0125	EA		3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	400.20	64.30
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	40.74	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	32.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	495.33	
			<i>For Type 316 Stainless Steel Frame, Add</i>	576.81	
			<i>For Baked Enamel Finish, Add</i>	100.77	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-27.16	
			<i>For 14 Gauge Frame, Add</i>	67.90	
			<i>For 12 Gauge Frame, Add</i>	103.21	
08 12 13 13-0126	EA		4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	415.75	67.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	42.20	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	33.76	
			<i>For Type 304 Stainless Steel Frame, Add</i>	513.08	
			<i>For Type 316 Stainless Steel Frame, Add</i>	597.47	
			<i>For Baked Enamel Finish, Add</i>	104.56	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-28.13	
			<i>For 14 Gauge Frame, Add</i>	70.33	
			<i>For 12 Gauge Frame, Add</i>	106.90	
08 12 13 13-0127	EA		5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	431.31	70.14
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	43.65	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	34.92	
			<i>For Type 304 Stainless Steel Frame, Add</i>	530.85	
			<i>For Type 316 Stainless Steel Frame, Add</i>	618.16	
			<i>For Baked Enamel Finish, Add</i>	108.35	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-29.10	
			<i>For 14 Gauge Frame, Add</i>	72.76	
			<i>For 12 Gauge Frame, Add</i>	110.59	
08 12 13 13-0128	EA		5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	437.15	73.07
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	43.65	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	34.92	
			<i>For Type 304 Stainless Steel Frame, Add</i>	531.14	
			<i>For Type 316 Stainless Steel Frame, Add</i>	618.45	
			<i>For Baked Enamel Finish, Add</i>	109.23	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-29.10	
			<i>For 14 Gauge Frame, Add</i>	72.76	
			<i>For 12 Gauge Frame, Add</i>	110.59	
08 12 13 13-0129	EA		5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	444.93	74.53
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	44.38	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	35.50	
			<i>For Type 304 Stainless Steel Frame, Add</i>	540.02	
			<i>For Type 316 Stainless Steel Frame, Add</i>	628.78	
			<i>For Baked Enamel Finish, Add</i>	111.12	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-29.59	
			<i>For 14 Gauge Frame, Add</i>	73.97	
			<i>For 12 Gauge Frame, Add</i>	112.43	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0130 EA 6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	452.69	75.99
For Auxiliary Frame Reinforcement For Hinges, Add	45.11	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	36.09	
For Type 304 Stainless Steel Frame, Add	548.89	
For Type 316 Stainless Steel Frame, Add	639.11	
For Baked Enamel Finish, Add	113.01	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-30.07	
For 14 Gauge Frame, Add	75.18	
For 12 Gauge Frame, Add	114.27	
08 12 13 13-0131 EA 7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	475.01	77.45
For Auxiliary Frame Reinforcement For Hinges, Add	48.02	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	38.41	
For Type 304 Stainless Steel Frame, Add	583.94	
For Type 316 Stainless Steel Frame, Add	679.98	
For Baked Enamel Finish, Add	119.27	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-32.01	
For 14 Gauge Frame, Add	80.03	
For 12 Gauge Frame, Add	121.64	
08 12 13 13-0132 EA 8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	497.34	78.91
For Auxiliary Frame Reinforcement For Hinges, Add	50.93	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	40.74	
For Type 304 Stainless Steel Frame, Add	619.03	
For Type 316 Stainless Steel Frame, Add	720.88	
For Baked Enamel Finish, Add	125.53	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-33.95	
For 14 Gauge Frame, Add	84.88	
For 12 Gauge Frame, Add	129.02	
08 12 13 13-0133 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frames <small>(08 12 13 13)</small>		
08 12 13 13-0134 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frames <small>(08 12 13 13-0133)</small>		
08 12 13 13-0135 EA 2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	279.55	43.84
For Auxiliary Frame Reinforcement For Hinges, Add	28.78	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	23.02	
For Type 304 Stainless Steel Frame, Add	349.75	
For Type 316 Stainless Steel Frame, Add	407.31	
For Baked Enamel Finish, Add	70.71	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-19.19	
For 14 Gauge Frame, Add	47.97	
For 12 Gauge Frame, Add	72.91	
08 12 13 13-0136 EA 2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame.....	324.86	48.22
For Auxiliary Frame Reinforcement For Hinges, Add	34.26	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	27.41	
For Type 304 Stainless Steel Frame, Add	415.96	
For Type 316 Stainless Steel Frame, Add	484.48	
For Baked Enamel Finish, Add	82.99	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-22.84	
For 14 Gauge Frame, Add	57.10	
For 12 Gauge Frame, Add	86.80	
08 12 13 13-0137 EA 2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame.....	334.36	51.15
For Auxiliary Frame Reinforcement For Hinges, Add	34.81	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	27.85	
For Type 304 Stainless Steel Frame, Add	422.84	
For Type 316 Stainless Steel Frame, Add	492.46	
For Baked Enamel Finish, Add	84.96	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-23.21	
For 14 Gauge Frame, Add	58.02	
For 12 Gauge Frame, Add	88.19	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0138	EA	2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	343.13	55.53
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.81	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	27.85	
			<i>For Type 304 Stainless Steel Frame, Add</i>	423.28	
			<i>For Type 316 Stainless Steel Frame, Add</i>	492.90	
			<i>For Baked Enamel Finish, Add</i>	86.28	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-23.21	
			<i>For 14 Gauge Frame, Add</i>	58.02	
			<i>For 12 Gauge Frame, Add</i>	88.19	
08 12 13	13-0139	EA	2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	349.70	56.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.36	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	28.29	
			<i>For Type 304 Stainless Steel Frame, Add</i>	430.00	
			<i>For Type 316 Stainless Steel Frame, Add</i>	500.71	
			<i>For Baked Enamel Finish, Add</i>	87.81	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-23.57	
			<i>For 14 Gauge Frame, Add</i>	58.93	
			<i>For 12 Gauge Frame, Add</i>	89.57	
08 12 13	13-0140	EA	3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	356.28	58.45
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.91	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	28.73	
			<i>For Type 304 Stainless Steel Frame, Add</i>	436.73	
			<i>For Type 316 Stainless Steel Frame, Add</i>	508.54	
			<i>For Baked Enamel Finish, Add</i>	89.35	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-23.94	
			<i>For 14 Gauge Frame, Add</i>	59.85	
			<i>For 12 Gauge Frame, Add</i>	90.96	
08 12 13	13-0141	EA	3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	378.57	61.38
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	38.37	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	30.70	
			<i>For Type 304 Stainless Steel Frame, Add</i>	466.61	
			<i>For Type 316 Stainless Steel Frame, Add</i>	543.36	
			<i>For Baked Enamel Finish, Add</i>	95.16	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-25.58	
			<i>For 14 Gauge Frame, Add</i>	63.96	
			<i>For 12 Gauge Frame, Add</i>	97.21	
08 12 13	13-0142	EA	3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	384.41	64.30
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	38.37	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	30.70	
			<i>For Type 304 Stainless Steel Frame, Add</i>	466.91	
			<i>For Type 316 Stainless Steel Frame, Add</i>	543.65	
			<i>For Baked Enamel Finish, Add</i>	96.03	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-25.58	
			<i>For 14 Gauge Frame, Add</i>	63.96	
			<i>For 12 Gauge Frame, Add</i>	97.21	
08 12 13	13-0143	EA	4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	399.40	67.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.74	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	31.80	
			<i>For Type 304 Stainless Steel Frame, Add</i>	483.65	
			<i>For Type 316 Stainless Steel Frame, Add</i>	563.14	
			<i>For Baked Enamel Finish, Add</i>	99.65	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-26.50	
			<i>For 14 Gauge Frame, Add</i>	66.24	
			<i>For 12 Gauge Frame, Add</i>	100.68	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0144 EA 5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	414.39	70.14
For Auxiliary Frame Reinforcement For Hinges, Add	41.12	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	32.89	
For Type 304 Stainless Steel Frame, Add	500.39	
For Type 316 Stainless Steel Frame, Add	582.62	
For Baked Enamel Finish, Add	103.27	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-27.41	
For 14 Gauge Frame, Add	68.53	
For 12 Gauge Frame, Add	104.16	
08 12 13 13-0145 EA 5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	420.23	73.07
For Auxiliary Frame Reinforcement For Hinges, Add	41.12	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	32.89	
For Type 304 Stainless Steel Frame, Add	500.69	
For Type 316 Stainless Steel Frame, Add	582.92	
For Baked Enamel Finish, Add	104.15	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-27.41	
For 14 Gauge Frame, Add	68.53	
For 12 Gauge Frame, Add	104.16	
08 12 13 13-0146 EA 5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	427.72	74.53
For Auxiliary Frame Reinforcement For Hinges, Add	41.80	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	33.44	
For Type 304 Stainless Steel Frame, Add	509.04	
For Type 316 Stainless Steel Frame, Add	592.64	
For Baked Enamel Finish, Add	105.96	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-27.87	
For 14 Gauge Frame, Add	69.67	
For 12 Gauge Frame, Add	105.89	
08 12 13 13-0147 EA 6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	435.20	75.99
For Auxiliary Frame Reinforcement For Hinges, Add	42.48	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	33.99	
For Type 304 Stainless Steel Frame, Add	517.41	
For Type 316 Stainless Steel Frame, Add	602.38	
For Baked Enamel Finish, Add	107.76	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-28.32	
For 14 Gauge Frame, Add	70.81	
For 12 Gauge Frame, Add	107.63	
08 12 13 13-0148 EA 7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	456.40	77.45
For Auxiliary Frame Reinforcement For Hinges, Add	45.23	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	36.18	
For Type 304 Stainless Steel Frame, Add	550.45	
For Type 316 Stainless Steel Frame, Add	640.90	
For Baked Enamel Finish, Add	113.69	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-30.15	
For 14 Gauge Frame, Add	75.38	
For 12 Gauge Frame, Add	114.57	
08 12 13 13-0149 EA 8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	477.60	78.91
For Auxiliary Frame Reinforcement For Hinges, Add	47.97	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	38.37	
For Type 304 Stainless Steel Frame, Add	583.50	
For Type 316 Stainless Steel Frame, Add	679.43	
For Baked Enamel Finish, Add	119.61	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-31.98	
For 14 Gauge Frame, Add	79.95	
For 12 Gauge Frame, Add	121.52	

08 12 13 13-0150 >7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frames (08 12 13 13-0133)

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0151	EA	2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	300.87	43.84
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.98	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	25.58	
			<i>For Type 304 Stainless Steel Frame, Add</i>	388.13	
			<i>For Type 316 Stainless Steel Frame, Add</i>	452.08	
			<i>For Baked Enamel Finish, Add</i>	77.11	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-21.32	
			<i>For 14 Gauge Frame, Add</i>	53.30	
			<i>For 12 Gauge Frame, Add</i>	81.01	
08 12 13	13-0152	EA	2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	350.24	48.22
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	38.07	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	30.45	
			<i>For Type 304 Stainless Steel Frame, Add</i>	461.64	
			<i>For Type 316 Stainless Steel Frame, Add</i>	537.78	
			<i>For Baked Enamel Finish, Add</i>	90.60	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-25.38	
			<i>For 14 Gauge Frame, Add</i>	63.45	
			<i>For 12 Gauge Frame, Add</i>	96.44	
08 12 13	13-0153	EA	2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	360.14	51.15
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	38.68	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	30.94	
			<i>For Type 304 Stainless Steel Frame, Add</i>	469.24	
			<i>For Type 316 Stainless Steel Frame, Add</i>	546.60	
			<i>For Baked Enamel Finish, Add</i>	92.70	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-25.79	
			<i>For 14 Gauge Frame, Add</i>	64.46	
			<i>For 12 Gauge Frame, Add</i>	97.98	
08 12 13	13-0154	EA	2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	368.91	55.53
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	38.68	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	30.94	
			<i>For Type 304 Stainless Steel Frame, Add</i>	469.68	
			<i>For Type 316 Stainless Steel Frame, Add</i>	547.04	
			<i>For Baked Enamel Finish, Add</i>	94.01	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-25.79	
			<i>For 14 Gauge Frame, Add</i>	64.46	
			<i>For 12 Gauge Frame, Add</i>	97.98	
08 12 13	13-0155	EA	2'-10" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	375.89	56.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.29	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	31.43	
			<i>For Type 304 Stainless Steel Frame, Add</i>	477.14	
			<i>For Type 316 Stainless Steel Frame, Add</i>	555.71	
			<i>For Baked Enamel Finish, Add</i>	95.67	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-26.19	
			<i>For 14 Gauge Frame, Add</i>	65.48	
			<i>For 12 Gauge Frame, Add</i>	99.53	
08 12 13	13-0156	EA	3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	382.87	58.45
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.90	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	31.92	
			<i>For Type 304 Stainless Steel Frame, Add</i>	484.59	
			<i>For Type 316 Stainless Steel Frame, Add</i>	564.38	
			<i>For Baked Enamel Finish, Add</i>	97.33	
			<i>For 3/4 Hour Rating, Add</i>	35.00	
			<i>For 1-1/2 Hour Rating, Add</i>	39.99	
			<i>For 3 Hour Rating, Add</i>	50.00	
			<i>For 18 Gauge Frame, Deduct</i>	-26.60	
			<i>For 14 Gauge Frame, Add</i>	66.49	
			<i>For 12 Gauge Frame, Add</i>	101.07	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0157 EA 3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	407.00	61.38
For Auxiliary Frame Reinforcement For Hinges, Add	42.64	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	34.11	
For Type 304 Stainless Steel Frame, Add	517.79	
For Type 316 Stainless Steel Frame, Add	603.06	
For Baked Enamel Finish, Add	103.69	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-28.43	
For 14 Gauge Frame, Add	71.06	
For 12 Gauge Frame, Add	108.02	
08 12 13 13-0158 EA 3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	412.84	64.30
For Auxiliary Frame Reinforcement For Hinges, Add	42.64	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	34.11	
For Type 304 Stainless Steel Frame, Add	518.08	
For Type 316 Stainless Steel Frame, Add	603.35	
For Baked Enamel Finish, Add	104.56	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-28.43	
For 14 Gauge Frame, Add	71.06	
For 12 Gauge Frame, Add	108.02	
08 12 13 13-0159 EA 4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	428.84	67.22
For Auxiliary Frame Reinforcement For Hinges, Add	44.16	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	35.33	
For Type 304 Stainless Steel Frame, Add	536.64	
For Type 316 Stainless Steel Frame, Add	624.96	
For Baked Enamel Finish, Add	108.49	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-29.44	
For 14 Gauge Frame, Add	73.60	
For 12 Gauge Frame, Add	111.87	
08 12 13 13-0160 EA 5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	444.84	70.14
For Auxiliary Frame Reinforcement For Hinges, Add	45.68	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	36.55	
For Type 304 Stainless Steel Frame, Add	555.20	
For Type 316 Stainless Steel Frame, Add	646.57	
For Baked Enamel Finish, Add	112.41	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-30.46	
For 14 Gauge Frame, Add	76.14	
For 12 Gauge Frame, Add	115.73	
08 12 13 13-0161 EA 5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	450.68	73.07
For Auxiliary Frame Reinforcement For Hinges, Add	45.68	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	36.55	
For Type 304 Stainless Steel Frame, Add	555.50	
For Type 316 Stainless Steel Frame, Add	646.86	
For Baked Enamel Finish, Add	113.28	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-30.46	
For 14 Gauge Frame, Add	76.14	
For 12 Gauge Frame, Add	115.73	
08 12 13 13-0162 EA 5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	458.69	74.53
For Auxiliary Frame Reinforcement For Hinges, Add	46.44	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	37.16	
For Type 304 Stainless Steel Frame, Add	564.79	
For Type 316 Stainless Steel Frame, Add	657.68	
For Baked Enamel Finish, Add	115.25	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-30.96	
For 14 Gauge Frame, Add	77.41	
For 12 Gauge Frame, Add	117.66	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0163 EA 6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame.....	466.67	75.99
For Auxiliary Frame Reinforcement For Hinges, Add	47.21	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	37.76	
For Type 304 Stainless Steel Frame, Add	574.06	
For Type 316 Stainless Steel Frame, Add	668.47	
For Baked Enamel Finish, Add	117.21	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-31.47	
For 14 Gauge Frame, Add	78.68	
For 12 Gauge Frame, Add	119.59	
08 12 13 13-0164 EA 7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame.....	489.90	77.45
For Auxiliary Frame Reinforcement For Hinges, Add	50.25	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	40.20	
For Type 304 Stainless Steel Frame, Add	610.75	
For Type 316 Stainless Steel Frame, Add	711.25	
For Baked Enamel Finish, Add	123.74	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-33.50	
For 14 Gauge Frame, Add	83.75	
For 12 Gauge Frame, Add	127.30	
08 12 13 13-0165 EA 8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame.....	513.13	78.91
For Auxiliary Frame Reinforcement For Hinges, Add	53.30	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	42.64	
For Type 304 Stainless Steel Frame, Add	647.45	
For Type 316 Stainless Steel Frame, Add	754.04	
For Baked Enamel Finish, Add	130.27	
For 3/4 Hour Rating, Add	35.00	
For 1-1/2 Hour Rating, Add	39.99	
For 3 Hour Rating, Add	50.00	
For 18 Gauge Frame, Deduct	-35.53	
For 14 Gauge Frame, Add	88.83	
For 12 Gauge Frame, Add	135.02	
08 12 13 13-0166 Sidelights And Transoms (08 12 13 13)		
08 12 13 13-0167 Operable Steel Transom Sash (08 12 13 13-0166)		
Note: Includes hardware.		
08 12 13 13-0168 SF 4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	45.28	8.18
For 18 Gauge Frame, Deduct	-2.89	
For 14 Gauge Frame, Add	7.23	
For 12 Gauge Frame, Add	10.99	
08 12 13 13-0169 SF 5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	47.31	8.48
For 18 Gauge Frame, Deduct	-3.04	
For 14 Gauge Frame, Add	7.59	
For 12 Gauge Frame, Add	11.54	
08 12 13 13-0170 SF 6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	49.41	8.77
For 18 Gauge Frame, Deduct	-3.19	
For 14 Gauge Frame, Add	7.97	
For 12 Gauge Frame, Add	12.11	
08 12 13 13-0171 Sidelights, Steel Frame (08 12 13 13-0166)		
Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0172 SF 4-3/4" Deep Sidelights, 16 Gauge Frame.....	34.91	8.18
For 18 Gauge Frame, Deduct	-1.85	
For 14 Gauge Frame, Add	4.64	
For 12 Gauge Frame, Add	7.05	
08 12 13 13-0173 SF 5-3/4" Deep Sidelights, 16 Gauge Frame.....	36.42	8.48
For 18 Gauge Frame, Deduct	-1.95	
For 14 Gauge Frame, Add	4.87	
For 12 Gauge Frame, Add	7.40	
08 12 13 13-0174 SF 6-3/4" Deep Sidelights, 16 Gauge Frame.....	37.98	8.77
For 18 Gauge Frame, Deduct	-2.04	
For 14 Gauge Frame, Add	5.11	
For 12 Gauge Frame, Add	7.77	
08 12 13 13-0175 Sundry Hollow Metal Frame Sections (08 12 13 13)		
08 12 13 13-0176 Verticals, Mullions (08 12 13 13-0175)		
08 12 13 13-0177 LF 4-3/4" x 1-3/4" Mullions, Vertical 16 Gauge Hollow Metal Frame Section.....	22.79	3.27
For 18 Gauge Frame, Deduct	-1.46	
For 14 Gauge Frame, Add	3.64	
For 12 Gauge Frame, Add	5.53	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0178	LF	4-3/4" x 2" Mullions, Vertical 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	23.38 -1.51 3.79 5.75 8.00 5.00 4.00	3.27
08 12 13	13-0179	LF	5-1/4" x 1-3/4" Mullions, Vertical 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	23.02 -1.46 3.64 5.53 8.00 5.00 4.00	3.39
08 12 13	13-0180	LF	5-1/4" x 2" Mullions, Vertical 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	23.93 -1.55 3.87 5.87 8.00 5.00 4.00	3.39
08 12 13	13-0181	LF	6-3/4" x 1-3/4" Mullions, Vertical 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	23.94 -1.53 3.82 5.81 8.00 5.00 4.00	3.45
08 12 13	13-0182	LF	6-3/4" x 2" Mullions, Vertical 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	24.29 -1.56 3.91 5.94 8.00 5.00 4.00	3.45
08 12 13 13-0183 Horizontals, Rails <small>(08 12 13 13-0175)</small>					
08 12 13	13-0184	LF	4-3/4" x 1-3/4" Rails, Horizontal 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	15.52 -0.73 1.82 2.77 8.00 5.00 4.00	3.27
08 12 13	13-0185	LF	4-3/4" x 2" Rails, Horizontal 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	16.26 -0.80 2.01 3.05 8.00 5.00 4.00	3.27
08 12 13	13-0186	LF	5-1/4" x 1-3/4" Rails, Horizontal 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	15.75 -0.73 1.82 2.77 8.00 5.00 4.00	3.39
08 12 13	13-0187	LF	5-1/4" x 2" Rails, Horizontal 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	16.49 -0.80 2.01 3.05 8.00 5.00 4.00	3.39
08 12 13	13-0188	LF	6-3/4" x 1-3/4" Rails, Horizontal 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	16.30 -0.76 1.91 2.90 8.00 5.00 4.00	3.45
08 12 13	13-0189	LF	6-3/4" x 2" Rails, Horizontal 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	16.95 -0.83 2.07 3.15 8.00 5.00 4.00	3.45
08 12 13 13-0190 Removable Verticals, Mullions <small>(08 12 13 13-0175)</small>					

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0191	EA		4-3/4" x 1-3/4" x 7" Keyed Removable Mullions, Vertical 16 Gauge Hollow Metal Frame Section.....	634.79	22.91
			<i>For 18 Gauge Frame, Deduct</i>	-57.75	
			<i>For 14 Gauge Frame, Add</i>	144.38	
			<i>For 12 Gauge Frame, Add</i>	219.45	
08 12 13 13-0192	EA		4-3/4" x 2" x 7" Keyed Removable Mullions, Vertical 16 Gauge Hollow Metal Frame Section	657.83	22.91
			<i>For 18 Gauge Frame, Deduct</i>	-60.06	
			<i>For 14 Gauge Frame, Add</i>	150.14	
			<i>For 12 Gauge Frame, Add</i>	228.21	
08 12 13 13-0193	EA		5-1/4" x 1-3/4" x 7" Keyed Removable Mullions, Vertical 16 Gauge Hollow Metal Frame Section.....	729.52	23.97
			<i>For 18 Gauge Frame, Deduct</i>	-67.05	
			<i>For 14 Gauge Frame, Add</i>	167.62	
			<i>For 12 Gauge Frame, Add</i>	254.78	
			<i>For 3 Hour Frame, Add</i>	56.00	
			<i>For 1-1/2 Hour Frame, Add</i>	36.00	
			<i>For 3/4 Hour Frame, Add</i>	28.00	
08 12 13 13-0194	EA		5-1/4" x 2" x 7" Keyed Removable Mullions, Vertical 16 Gauge Hollow Metal Frame Section	750.08	23.97
			<i>For 18 Gauge Frame, Deduct</i>	-69.10	
			<i>For 14 Gauge Frame, Add</i>	172.76	
			<i>For 12 Gauge Frame, Add</i>	262.60	
			<i>For 3 Hour Frame, Add</i>	56.00	
			<i>For 1-1/2 Hour Frame, Add</i>	36.00	
			<i>For 3/4 Hour Frame, Add</i>	28.00	
08 12 13 13-0195	EA		6-3/4" x 1-3/4" x 7" Keyed Removable Mullions, Vertical 16 Gauge Hollow Metal Frame Section.....	849.50	24.55
			<i>For 18 Gauge Frame, Deduct</i>	-78.81	
			<i>For 14 Gauge Frame, Add</i>	197.03	
			<i>For 12 Gauge Frame, Add</i>	299.49	
			<i>For 3 Hour Frame, Add</i>	56.00	
			<i>For 1-1/2 Hour Frame, Add</i>	36.00	
			<i>For 3/4 Hour Frame, Add</i>	28.00	
08 12 13 13-0196	EA		6-3/4" x 2" x 7" Keyed Removable Mullions, Vertical 16 Gauge Hollow Metal Frame Section	863.48	24.55
			<i>For 18 Gauge Frame, Deduct</i>	-80.21	
			<i>For 14 Gauge Frame, Add</i>	200.53	
			<i>For 12 Gauge Frame, Add</i>	304.80	
			<i>For 3 Hour Frame, Add</i>	56.00	
			<i>For 1-1/2 Hour Frame, Add</i>	36.00	
			<i>For 3/4 Hour Frame, Add</i>	28.00	

08 12 13 13-0197 Metal Frames Accessories (08 12 13 13)

08 12 13 13-0198	EA		For 1 Foot Extension Of New Door Frame.....	26.12	
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08 13 Metal Doors (08 10)

Note: Includes machining for all hardware. Excludes finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 13 13 Hollow Metal Doors (08 13)

08 13 13 13 Standard Hollow Metal Doors (08 13 13)

Note: Full flush, impregnated honeycomb core, epoxy baked-on primer.

08 13 13 13-0001 20 Gauge 1-3/4" Unrated Door (08 13 13 13)

08 13 13 13-0002 6'-8" High (08 13 13 13-0001)

08 13 13 13-0003	EA		2' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	399.79	32.15
			<i>For Type 304 Stainless Steel Door, Add</i>	271.61	
			<i>For Type 316 Stainless Steel Door, Add</i>	439.35	
			<i>For Embossed Panel, Add</i>	80.52	
			<i>For Galvanized Steel, Add</i>	50.32	
			<i>For Baked Enamel Finish, Add</i>	139.23	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-21.60	
			<i>For >100, Deduct</i>	-31.59	
			<i>For Insulated Door (Polystyrene Core), Add</i>	33.55	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	83.87	
			<i>For Seamless Edge (Welded), Add</i>	41.94	
08 13 13 13-0004	EA		2'-4" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	399.79	32.15
			<i>For Type 304 Stainless Steel Door, Add</i>	271.61	
			<i>For Type 316 Stainless Steel Door, Add</i>	439.35	
			<i>For Embossed Panel, Add</i>	80.52	
			<i>For Galvanized Steel, Add</i>	50.32	
			<i>For Baked Enamel Finish, Add</i>	139.23	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-21.60	
			<i>For >100, Deduct</i>	-31.59	
			<i>For Insulated Door (Polystyrene Core), Add</i>	33.55	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	83.87	
			<i>For Seamless Edge (Welded), Add</i>	41.94	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0005	EA			2'-6" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	409.57	33.61
				<i>For Type 304 Stainless Steel Door, Add</i>	277.24	
				<i>For Type 316 Stainless Steel Door, Add</i>	448.42	
				<i>For Embossed Panel, Add</i>	82.16	
				<i>For Galvanized Steel, Add</i>	51.35	
				<i>For Baked Enamel Finish, Add</i>	143.04	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-22.16	
				<i>For >100, Deduct</i>	-32.40	
				<i>For Insulated Door (Polystyrene Core), Add</i>	34.24	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	85.59	
				<i>For Seamless Edge (Welded), Add</i>	42.79	
08 13 13 13-0006	EA			2'-8" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	414.68	33.61
				<i>For Type 304 Stainless Steel Door, Add</i>	281.33	
				<i>For Type 316 Stainless Steel Door, Add</i>	455.06	
				<i>For Embossed Panel, Add</i>	83.39	
				<i>For Galvanized Steel, Add</i>	52.12	
				<i>For Baked Enamel Finish, Add</i>	144.57	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-22.41	
				<i>For >100, Deduct</i>	-32.78	
				<i>For Insulated Door (Polystyrene Core), Add</i>	34.75	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	86.87	
				<i>For Seamless Edge (Welded), Add</i>	43.43	
08 13 13 13-0007	EA			2'-10" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	418.20	34.34
				<i>For Type 304 Stainless Steel Door, Add</i>	283.04	
				<i>For Type 316 Stainless Steel Door, Add</i>	457.80	
				<i>For Embossed Panel, Add</i>	83.88	
				<i>For Galvanized Steel, Add</i>	52.43	
				<i>For Baked Enamel Finish, Add</i>	146.07	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-22.63	
				<i>For >100, Deduct</i>	-33.08	
				<i>For Insulated Door (Polystyrene Core), Add</i>	34.95	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	87.38	
				<i>For Seamless Edge (Welded), Add</i>	43.69	
08 13 13 13-0008	EA			3' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	421.69	35.07
				<i>For Type 304 Stainless Steel Door, Add</i>	284.75	
				<i>For Type 316 Stainless Steel Door, Add</i>	460.52	
				<i>For Embossed Panel, Add</i>	84.37	
				<i>For Galvanized Steel, Add</i>	52.73	
				<i>For Baked Enamel Finish, Add</i>	147.55	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-22.84	
				<i>For >100, Deduct</i>	-33.38	
				<i>For Insulated Door (Polystyrene Core), Add</i>	35.16	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	87.89	
				<i>For Seamless Edge (Welded), Add</i>	43.94	
08 13 13 13-0009	EA			3'-4" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	448.26	35.07
				<i>For Type 304 Stainless Steel Door, Add</i>	306.00	
				<i>For Type 316 Stainless Steel Door, Add</i>	495.06	
				<i>For Embossed Panel, Add</i>	90.75	
				<i>For Galvanized Steel, Add</i>	56.72	
				<i>For Baked Enamel Finish, Add</i>	155.52	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-24.17	
				<i>For >100, Deduct</i>	-35.37	
				<i>For Insulated Door (Polystyrene Core), Add</i>	37.81	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	94.63	
				<i>For Seamless Edge (Welded), Add</i>	47.27	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0010	EA		3'-6" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	461.41	36.53
			For Type 304 Stainless Steel Door, Add	314.33	
			For Type 316 Stainless Steel Door, Add	508.50	
			For Embossed Panel, Add	93.20	
			For Galvanized Steel, Add	58.25	
			For Baked Enamel Finish, Add	160.34	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-24.90	
			For >100, Deduct	-36.43	
			For Insulated Door (Polystyrene Core), Add	38.83	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	97.09	
			For Seamless Edge (Welded), Add	48.54	
08 13 13 13-0011	EA		4' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	508.13	39.46
			For Type 304 Stainless Steel Door, Add	347.32	
			For Type 316 Stainless Steel Door, Add	561.93	
			For Embossed Panel, Add	103.01	
			For Galvanized Steel, Add	64.38	
			For Baked Enamel Finish, Add	176.11	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-27.38	
			For >100, Deduct	-40.08	
			For Insulated Door (Polystyrene Core), Add	42.92	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	107.31	
			For Seamless Edge (Welded), Add	53.65	
08 13 13 13-0012	PR		Pair 2'-6" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	812.43	63.86
			For Type 304 Stainless Steel Door, Add	554.15	
			For Type 316 Stainless Steel Door, Add	896.51	
			For Embossed Panel, Add	164.33	
			For Galvanized Steel, Add	102.71	
			For Baked Enamel Finish, Add	282.05	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-43.81	
			For >100, Deduct	-64.13	
			For Insulated Door (Polystyrene Core), Add	68.47	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	171.18	
			For Seamless Edge (Welded), Add	85.59	
08 13 13 13-0013	PR		Pair 2'-8" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	822.65	63.86
			For Type 304 Stainless Steel Door, Add	562.33	
			For Type 316 Stainless Steel Door, Add	909.80	
			For Embossed Panel, Add	166.78	
			For Galvanized Steel, Add	104.24	
			For Baked Enamel Finish, Add	285.11	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-44.33	
			For >100, Deduct	-64.89	
			For Insulated Door (Polystyrene Core), Add	69.49	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	173.73	
			For Seamless Edge (Welded), Add	86.87	
08 13 13 13-0014	PR		Pair 2'-10" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	812.99	56.99
			For Type 304 Stainless Steel Door, Add	564.91	
			For Type 316 Stainless Steel Door, Add	914.41	
			For Embossed Panel, Add	167.76	
			For Galvanized Steel, Add	104.85	
			For Baked Enamel Finish, Add	278.09	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-43.50	
			For >100, Deduct	-63.82	
			For Insulated Door (Polystyrene Core), Add	69.90	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	174.75	
			For Seamless Edge (Welded), Add	87.38	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0015	PR			Pair 3' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	836.37	66.64
				For Type 304 Stainless Steel Door, Add	569.14	
				For Type 316 Stainless Steel Door, Add	920.69	
				For Embossed Panel, Add	168.74	
				For Galvanized Steel, Add	105.47	
				For Baked Enamel Finish, Add	290.89	
				For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
				For 45 Minutes Rated Door And FM Label, Add	41.40	
				For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
				For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
				For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
				For >50 To 100, Deduct	-45.15	
				For >100, Deduct	-66.06	
				For Insulated Door (Polystyrene Core), Add	70.31	
				For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	175.78	
				For Seamless Edge (Welded), Add	87.89	
08 13 13 13-0016	PR			Pair 3'-6" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	915.50	69.41
				For Type 304 Stainless Steel Door, Add	628.29	
				For Type 316 Stainless Steel Door, Add	1,016.63	
				For Embossed Panel, Add	186.40	
				For Galvanized Steel, Add	116.50	
				For Baked Enamel Finish, Add	316.30	
				For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
				For 45 Minutes Rated Door And FM Label, Add	41.40	
				For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
				For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
				For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
				For >50 To 100, Deduct	-49.25	
				For >100, Deduct	-72.13	
				For Insulated Door (Polystyrene Core), Add	77.67	
				For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	194.17	
				For Seamless Edge (Welded), Add	97.09	
08 13 13 13-0017	PR			Pair 4' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	1,008.37	74.96
				For Type 304 Stainless Steel Door, Add	694.25	
				For Type 316 Stainless Steel Door, Add	1,123.47	
				For Embossed Panel, Add	206.03	
				For Galvanized Steel, Add	128.77	
				For Baked Enamel Finish, Add	347.49	
				For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
				For 45 Minutes Rated Door And FM Label, Add	41.40	
				For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
				For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
				For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
				For >50 To 100, Deduct	-54.17	
				For >100, Deduct	-79.38	
				For Insulated Door (Polystyrene Core), Add	85.84	
				For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	214.61	
				For Seamless Edge (Welded), Add	107.31	
08 13 13 13-0018				7' High <small>(08 13 13 13-0001)</small>		
08 13 13 13-0019	EA			2' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	408.58	32.15
				For Type 304 Stainless Steel Door, Add	278.64	
				For Type 316 Stainless Steel Door, Add	450.78	
				For Embossed Panel, Add	82.63	
				For Galvanized Steel, Add	51.64	
				For Baked Enamel Finish, Add	141.86	
				For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
				For 45 Minutes Rated Door And FM Label, Add	41.40	
				For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
				For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
				For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
				For >50 To 100, Deduct	-22.04	
				For >100, Deduct	-32.25	
				For Insulated Door (Polystyrene Core), Add	34.43	
				For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	86.07	
				For Seamless Edge (Welded), Add	43.04	
08 13 13 13-0020	EA			2'-4" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	408.58	32.15
				For Type 304 Stainless Steel Door, Add	278.64	
				For Type 316 Stainless Steel Door, Add	450.78	
				For Embossed Panel, Add	82.63	
				For Galvanized Steel, Add	51.64	
				For Baked Enamel Finish, Add	141.86	
				For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
				For 45 Minutes Rated Door And FM Label, Add	41.40	
				For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
				For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
				For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
				For >50 To 100, Deduct	-22.04	
				For >100, Deduct	-32.25	
				For Insulated Door (Polystyrene Core), Add	34.43	
				For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	86.07	
				For Seamless Edge (Welded), Add	43.04	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0021	EA 2'-6" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	418.54	33.61
	For Type 304 Stainless Steel Door, Add	284.42	
	For Type 316 Stainless Steel Door, Add	460.08	
	For Embossed Panel, Add	84.32	
	For Galvanized Steel, Add	52.70	
	For Baked Enamel Finish, Add	145.73	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-22.61	
	For >100, Deduct	-33.07	
	For Insulated Door (Polystyrene Core), Add	35.13	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	87.83	
	For Seamless Edge (Welded), Add	43.92	
08 13 13 13-0022	EA 2'-8" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	423.79	33.61
	For Type 304 Stainless Steel Door, Add	288.62	
	For Type 316 Stainless Steel Door, Add	466.90	
	For Embossed Panel, Add	85.58	
	For Galvanized Steel, Add	53.49	
	For Baked Enamel Finish, Add	147.30	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-22.87	
	For >100, Deduct	-33.46	
	For Insulated Door (Polystyrene Core), Add	35.66	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	89.14	
	For Seamless Edge (Welded), Add	44.57	
08 13 13 13-0023	EA 2'-10" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	427.35	34.34
	For Type 304 Stainless Steel Door, Add	290.36	
	For Type 316 Stainless Steel Door, Add	469.69	
	For Embossed Panel, Add	86.08	
	For Galvanized Steel, Add	53.80	
	For Baked Enamel Finish, Add	148.81	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-23.08	
	For >100, Deduct	-33.77	
	For Insulated Door (Polystyrene Core), Add	35.87	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	89.67	
	For Seamless Edge (Welded), Add	44.83	
08 13 13 13-0024	EA 3' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	430.90	35.07
	For Type 304 Stainless Steel Door, Add	292.12	
	For Type 316 Stainless Steel Door, Add	472.50	
	For Embossed Panel, Add	86.58	
	For Galvanized Steel, Add	54.11	
	For Baked Enamel Finish, Add	150.31	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-23.30	
	For >100, Deduct	-34.07	
	For Insulated Door (Polystyrene Core), Add	36.08	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	90.19	
	For Seamless Edge (Welded), Add	45.10	
08 13 13 13-0025	EA 3'-4" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	458.17	35.07
	For Type 304 Stainless Steel Door, Add	313.93	
	For Type 316 Stainless Steel Door, Add	507.95	
	For Embossed Panel, Add	93.13	
	For Galvanized Steel, Add	58.20	
	For Baked Enamel Finish, Add	158.49	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-24.66	
	For >100, Deduct	-36.12	
	For Insulated Door (Polystyrene Core), Add	38.80	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	97.01	
	For Seamless Edge (Welded), Add	48.50	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0026	EA			3'-6" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	471.59	36.53
				<i>For Type 304 Stainless Steel Door, Add</i>	322.47	
				<i>For Type 316 Stainless Steel Door, Add</i>	521.73	
				<i>For Embossed Panel, Add</i>	95.64	
				<i>For Galvanized Steel, Add</i>	59.78	
				<i>For Baked Enamel Finish, Add</i>	163.40	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-25.41	
				<i>For >100, Deduct</i>	-37.20	
				<i>For Insulated Door (Polystyrene Core), Add</i>	39.85	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	99.63	
				<i>For Seamless Edge (Welded), Add</i>	49.82	
08 13 13 13-0027	EA			4' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	519.37	39.46
				<i>For Type 304 Stainless Steel Door, Add</i>	356.31	
				<i>For Type 316 Stainless Steel Door, Add</i>	576.54	
				<i>For Embossed Panel, Add</i>	105.71	
				<i>For Galvanized Steel, Add</i>	66.07	
				<i>For Baked Enamel Finish, Add</i>	179.48	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-27.94	
				<i>For >100, Deduct</i>	-40.93	
				<i>For Insulated Door (Polystyrene Core), Add</i>	44.05	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	110.12	
				<i>For Seamless Edge (Welded), Add</i>	55.06	
08 13 13 13-0028	PR			Pair 2'-6" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	830.37	63.86
				<i>For Type 304 Stainless Steel Door, Add</i>	568.51	
				<i>For Type 316 Stainless Steel Door, Add</i>	919.83	
				<i>For Embossed Panel, Add</i>	168.64	
				<i>For Galvanized Steel, Add</i>	105.40	
				<i>For Baked Enamel Finish, Add</i>	287.43	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-44.71	
				<i>For >100, Deduct</i>	-65.47	
				<i>For Insulated Door (Polystyrene Core), Add</i>	70.27	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	175.66	
				<i>For Seamless Edge (Welded), Add</i>	87.83	
08 13 13 13-0029	PR			Pair 2'-8" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	840.85	63.86
				<i>For Type 304 Stainless Steel Door, Add</i>	576.89	
				<i>For Type 316 Stainless Steel Door, Add</i>	933.46	
				<i>For Embossed Panel, Add</i>	171.15	
				<i>For Galvanized Steel, Add</i>	106.97	
				<i>For Baked Enamel Finish, Add</i>	290.57	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-45.24	
				<i>For >100, Deduct</i>	-66.26	
				<i>For Insulated Door (Polystyrene Core), Add</i>	71.31	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	178.28	
				<i>For Seamless Edge (Welded), Add</i>	89.14	
08 13 13 13-0030	PR			Pair 2'-10" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	831.31	56.99
				<i>For Type 304 Stainless Steel Door, Add</i>	579.56	
				<i>For Type 316 Stainless Steel Door, Add</i>	938.23	
				<i>For Embossed Panel, Add</i>	172.16	
				<i>For Galvanized Steel, Add</i>	107.60	
				<i>For Baked Enamel Finish, Add</i>	283.59	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-44.42	
				<i>For >100, Deduct</i>	-65.20	
				<i>For Insulated Door (Polystyrene Core), Add</i>	71.73	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	179.33	
				<i>For Seamless Edge (Welded), Add</i>	89.67	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0031	PR		Pair 3' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	854.79	66.64
			For Type 304 Stainless Steel Door, Add	583.88	
			For Type 316 Stainless Steel Door, Add	944.64	
			For Embossed Panel, Add	173.16	
			For Galvanized Steel, Add	108.23	
			For Baked Enamel Finish, Add	296.42	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-46.07	
			For >100, Deduct	-67.44	
			For Insulated Door (Polystyrene Core), Add	72.15	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	180.38	
			For Seamless Edge (Welded), Add	90.19	
08 13 13 13-0032	PR		Pair 3'-6" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	935.85	69.41
			For Type 304 Stainless Steel Door, Add	644.57	
			For Type 316 Stainless Steel Door, Add	1,043.08	
			For Embossed Panel, Add	191.29	
			For Galvanized Steel, Add	119.55	
			For Baked Enamel Finish, Add	322.40	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-50.26	
			For >100, Deduct	-73.66	
			For Insulated Door (Polystyrene Core), Add	79.70	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	199.26	
			For Seamless Edge (Welded), Add	99.63	
08 13 13 13-0033	PR		Pair 4' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	1,030.86	74.96
			For Type 304 Stainless Steel Door, Add	712.24	
			For Type 316 Stainless Steel Door, Add	1,152.71	
			For Embossed Panel, Add	211.42	
			For Galvanized Steel, Add	132.14	
			For Baked Enamel Finish, Add	354.24	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-55.29	
			For >100, Deduct	-81.06	
			For Insulated Door (Polystyrene Core), Add	88.09	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	220.23	
			For Seamless Edge (Welded), Add	110.12	
08 13 13 13-0034			7'-2" High (08 13 13 13-0001)		
08 13 13 13-0035	EA		2' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	417.12	32.15
			For Type 304 Stainless Steel Door, Add	285.47	
			For Type 316 Stainless Steel Door, Add	461.88	
			For Embossed Panel, Add	84.68	
			For Galvanized Steel, Add	52.92	
			For Baked Enamel Finish, Add	144.43	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-22.46	
			For >100, Deduct	-32.89	
			For Insulated Door (Polystyrene Core), Add	35.28	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	88.21	
			For Seamless Edge (Welded), Add	44.10	
08 13 13 13-0036	EA		2'-4" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	417.12	32.15
			For Type 304 Stainless Steel Door, Add	285.47	
			For Type 316 Stainless Steel Door, Add	461.88	
			For Embossed Panel, Add	84.68	
			For Galvanized Steel, Add	52.92	
			For Baked Enamel Finish, Add	144.43	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-22.46	
			For >100, Deduct	-32.89	
			For Insulated Door (Polystyrene Core), Add	35.28	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	88.21	
			For Seamless Edge (Welded), Add	44.10	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0037	EA			2'-6" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	427.26	33.61
				<i>For Type 304 Stainless Steel Door, Add</i>	291.39	
				<i>For Type 316 Stainless Steel Door, Add</i>	471.41	
				<i>For Embossed Panel, Add</i>	86.41	
				<i>For Galvanized Steel, Add</i>	54.01	
				<i>For Baked Enamel Finish, Add</i>	148.34	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-23.04	
				<i>For >100, Deduct</i>	-33.73	
				<i>For Insulated Door (Polystyrene Core), Add</i>	36.00	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	90.01	
				<i>For Seamless Edge (Welded), Add</i>	45.01	
08 13 13 13-0038	EA			2'-8" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	432.63	33.61
				<i>For Type 304 Stainless Steel Door, Add</i>	295.69	
				<i>For Type 316 Stainless Steel Door, Add</i>	478.39	
				<i>For Embossed Panel, Add</i>	87.70	
				<i>For Galvanized Steel, Add</i>	54.81	
				<i>For Baked Enamel Finish, Add</i>	149.96	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-23.31	
				<i>For >100, Deduct</i>	-34.13	
				<i>For Insulated Door (Polystyrene Core), Add</i>	36.54	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	91.35	
				<i>For Seamless Edge (Welded), Add</i>	45.68	
08 13 13 13-0039	EA			2'-10" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	436.25	34.34
				<i>For Type 304 Stainless Steel Door, Add</i>	297.48	
				<i>For Type 316 Stainless Steel Door, Add</i>	481.26	
				<i>For Embossed Panel, Add</i>	88.21	
				<i>For Galvanized Steel, Add</i>	55.13	
				<i>For Baked Enamel Finish, Add</i>	151.48	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-23.53	
				<i>For >100, Deduct</i>	-34.44	
				<i>For Insulated Door (Polystyrene Core), Add</i>	36.76	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	91.89	
				<i>For Seamless Edge (Welded), Add</i>	45.95	
08 13 13 13-0040	EA			3' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	439.85	35.07
				<i>For Type 304 Stainless Steel Door, Add</i>	299.28	
				<i>For Type 316 Stainless Steel Door, Add</i>	484.13	
				<i>For Embossed Panel, Add</i>	88.73	
				<i>For Galvanized Steel, Add</i>	55.46	
				<i>For Baked Enamel Finish, Add</i>	153.00	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-23.75	
				<i>For >100, Deduct</i>	-34.74	
				<i>For Insulated Door (Polystyrene Core), Add</i>	36.97	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	92.43	
				<i>For Seamless Edge (Welded), Add</i>	46.21	
08 13 13 13-0041	EA			3'-4" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	467.79	35.07
				<i>For Type 304 Stainless Steel Door, Add</i>	321.63	
				<i>For Type 316 Stainless Steel Door, Add</i>	520.45	
				<i>For Embossed Panel, Add</i>	95.44	
				<i>For Galvanized Steel, Add</i>	59.65	
				<i>For Baked Enamel Finish, Add</i>	161.38	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-25.14	
				<i>For >100, Deduct</i>	-36.84	
				<i>For Insulated Door (Polystyrene Core), Add</i>	39.77	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	99.41	
				<i>For Seamless Edge (Welded), Add</i>	49.71	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0042	EA		3'-6" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	481.47	36.53
			For Type 304 Stainless Steel Door, Add	330.37	
			For Type 316 Stainless Steel Door, Add	534.57	
			For Embossed Panel, Add	98.02	
			For Galvanized Steel, Add	61.26	
			For Baked Enamel Finish, Add	166.36	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-25.90	
			For >100, Deduct	-37.94	
			For Insulated Door (Polystyrene Core), Add	40.84	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	102.10	
			For Seamless Edge (Welded), Add	51.05	
08 13 13 13-0043	EA		4' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	530.30	39.46
			For Type 304 Stainless Steel Door, Add	365.06	
			For Type 316 Stainless Steel Door, Add	590.75	
			For Embossed Panel, Add	108.33	
			For Galvanized Steel, Add	67.71	
			For Baked Enamel Finish, Add	182.76	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-28.49	
			For >100, Deduct	-41.75	
			For Insulated Door (Polystyrene Core), Add	45.14	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	112.85	
			For Seamless Edge (Welded), Add	56.42	
08 13 13 13-0044	PR		Pair 2'-6" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	847.79	63.86
			For Type 304 Stainless Steel Door, Add	582.44	
			For Type 316 Stainless Steel Door, Add	942.48	
			For Embossed Panel, Add	172.82	
			For Galvanized Steel, Add	108.01	
			For Baked Enamel Finish, Add	292.65	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-45.58	
			For >100, Deduct	-66.78	
			For Insulated Door (Polystyrene Core), Add	72.01	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	180.02	
			For Seamless Edge (Welded), Add	90.01	
08 13 13 13-0045	PR		Pair 2'-8" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	858.54	63.86
			For Type 304 Stainless Steel Door, Add	591.04	
			For Type 316 Stainless Steel Door, Add	956.45	
			For Embossed Panel, Add	175.40	
			For Galvanized Steel, Add	109.62	
			For Baked Enamel Finish, Add	295.88	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-46.12	
			For >100, Deduct	-67.58	
			For Insulated Door (Polystyrene Core), Add	73.08	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	182.71	
			For Seamless Edge (Welded), Add	91.35	
08 13 13 13-0046	PR		Pair 2'-10" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	849.10	56.99
			For Type 304 Stainless Steel Door, Add	593.80	
			For Type 316 Stainless Steel Door, Add	961.36	
			For Embossed Panel, Add	176.43	
			For Galvanized Steel, Add	110.27	
			For Baked Enamel Finish, Add	288.92	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-45.30	
			For >100, Deduct	-66.53	
			For Insulated Door (Polystyrene Core), Add	73.51	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	183.78	
			For Seamless Edge (Welded), Add	91.89	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 13 13	13-0047	PR	Pair 3' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	872.69	66.64
				<i>For Type 304 Stainless Steel Door, Add</i>	598.20	
				<i>For Type 316 Stainless Steel Door, Add</i>	967.91	
				<i>For Embossed Panel, Add</i>	177.46	
				<i>For Galvanized Steel, Add</i>	110.91	
				<i>For Baked Enamel Finish, Add</i>	301.79	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-46.97	
				<i>For >100, Deduct</i>	-68.78	
				<i>For Insulated Door (Polystyrene Core), Add</i>	73.94	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	184.86	
				<i>For Seamless Edge (Welded), Add</i>	92.43	
	08 13 13	13-0048	PR	Pair 3'-6" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	955.62	69.41
				<i>For Type 304 Stainless Steel Door, Add</i>	660.38	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,068.78	
				<i>For Embossed Panel, Add</i>	196.03	
				<i>For Galvanized Steel, Add</i>	122.52	
				<i>For Baked Enamel Finish, Add</i>	328.33	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-51.25	
				<i>For >100, Deduct</i>	-75.14	
				<i>For Insulated Door (Polystyrene Core), Add</i>	81.68	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	204.20	
				<i>For Seamless Edge (Welded), Add</i>	102.10	
	08 13 13	13-0049	PR	Pair 4' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	1,052.71	74.96
				<i>For Type 304 Stainless Steel Door, Add</i>	729.72	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,181.11	
				<i>For Embossed Panel, Add</i>	216.67	
				<i>For Galvanized Steel, Add</i>	135.42	
				<i>For Baked Enamel Finish, Add</i>	360.79	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-56.38	
				<i>For >100, Deduct</i>	-82.70	
				<i>For Insulated Door (Polystyrene Core), Add</i>	90.28	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	225.70	
				<i>For Seamless Edge (Welded), Add</i>	112.85	
	08 13 13	13-0050		18 Gauge 1-3/4" Unrated Door <small>(08 13 13 13)</small>		
	08 13 13	13-0051		6'-8" High <small>(08 13 13 13-0050)</small>		
	08 13 13	13-0052	EA	2' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	426.93	32.15
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	72.53	
				<i>For Type 304 Stainless Steel Door, Add</i>	293.32	
				<i>For Type 316 Stainless Steel Door, Add</i>	474.63	
				<i>For Embossed Panel, Add</i>	87.03	
				<i>For Galvanized Steel, Add</i>	54.39	
				<i>For Baked Enamel Finish, Add</i>	147.37	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-22.95	
				<i>For >100, Deduct</i>	-33.63	
				<i>For 2" Thick Door, Add</i>	27.90	
				<i>For Insulated Door (Polystyrene Core), Add</i>	36.26	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	90.66	
				<i>For Seamless Edge (Welded), Add</i>	45.33	
				<i>For Steel Stiffened, Add</i>	90.66	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0053	EA		2'-4" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	426.93	32.15
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	72.53	
			<i>For Type 304 Stainless Steel Door, Add</i>	293.32	
			<i>For Type 316 Stainless Steel Door, Add</i>	474.63	
			<i>For Embossed Panel, Add</i>	87.03	
			<i>For Galvanized Steel, Add</i>	54.39	
			<i>For Baked Enamel Finish, Add</i>	147.37	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-22.95	
			<i>For >100, Deduct</i>	-33.63	
			<i>For 2" Thick Door, Add</i>	27.90	
			<i>For Insulated Door (Polystyrene Core), Add</i>	36.26	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	90.66	
			<i>For Seamless Edge (Welded), Add</i>	45.33	
			<i>For Steel Stiffened, Add</i>	90.66	
08 13 13 13-0054	EA		2'-6" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	437.27	33.61
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	74.01	
			<i>For Type 304 Stainless Steel Door, Add</i>	299.40	
			<i>For Type 316 Stainless Steel Door, Add</i>	484.43	
			<i>For Embossed Panel, Add</i>	88.81	
			<i>For Galvanized Steel, Add</i>	55.51	
			<i>For Baked Enamel Finish, Add</i>	151.35	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-23.54	
			<i>For >100, Deduct</i>	-34.48	
			<i>For 2" Thick Door, Add</i>	28.51	
			<i>For Insulated Door (Polystyrene Core), Add</i>	37.01	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	92.51	
			<i>For Seamless Edge (Welded), Add</i>	46.26	
			<i>For Steel Stiffened, Add</i>	92.51	
08 13 13 13-0055	EA		2'-8" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	442.79	33.61
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	75.11	
			<i>For Type 304 Stainless Steel Door, Add</i>	303.82	
			<i>For Type 316 Stainless Steel Door, Add</i>	491.60	
			<i>For Embossed Panel, Add</i>	90.14	
			<i>For Galvanized Steel, Add</i>	56.34	
			<i>For Baked Enamel Finish, Add</i>	153.00	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-23.82	
			<i>For >100, Deduct</i>	-34.89	
			<i>For 2" Thick Door, Add</i>	28.91	
			<i>For Insulated Door (Polystyrene Core), Add</i>	37.56	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	93.89	
			<i>For Seamless Edge (Welded), Add</i>	46.95	
			<i>For Steel Stiffened, Add</i>	93.89	
08 13 13 13-0056	EA		2'-10" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	446.47	34.34
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	75.56	
			<i>For Type 304 Stainless Steel Door, Add</i>	305.66	
			<i>For Type 316 Stainless Steel Door, Add</i>	494.55	
			<i>For Embossed Panel, Add</i>	90.67	
			<i>For Galvanized Steel, Add</i>	56.67	
			<i>For Baked Enamel Finish, Add</i>	154.55	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-24.04	
			<i>For >100, Deduct</i>	-35.20	
			<i>For 2" Thick Door, Add</i>	29.11	
			<i>For Insulated Door (Polystyrene Core), Add</i>	37.78	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	94.45	
			<i>For Seamless Edge (Welded), Add</i>	47.22	
			<i>For Steel Stiffened, Add</i>	94.45	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0057 EA 3' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	450.13	35.07
For 18 Gauge, Grade II, Heavy Duty, Add	76.00	
For Type 304 Stainless Steel Door, Add	307.50	
For Type 316 Stainless Steel Door, Add	497.49	
For Embossed Panel, Add	91.20	
For Galvanized Steel, Add	57.00	
For Baked Enamel Finish, Add	156.08	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-24.26	
For >100, Deduct	-35.51	
For 2" Thick Door, Add	29.30	
For Insulated Door (Polystyrene Core), Add	38.00	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	95.00	
For Seamless Edge (Welded), Add	47.50	
For Steel Stiffened, Add	95.00	
08 13 13 13-0058 EA 3'-4" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	478.85	35.07
For 18 Gauge, Grade II, Heavy Duty, Add	81.74	
For Type 304 Stainless Steel Door, Add	330.48	
For Type 316 Stainless Steel Door, Add	534.83	
For Embossed Panel, Add	98.09	
For Galvanized Steel, Add	61.31	
For Baked Enamel Finish, Add	164.70	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-25.70	
For >100, Deduct	-37.67	
For 2" Thick Door, Add	31.38	
For Insulated Door (Polystyrene Core), Add	40.87	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	102.18	
For Seamless Edge (Welded), Add	51.09	
For Steel Stiffened, Add	102.18	
08 13 13 13-0059 EA 3'-6" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	492.83	36.53
For 18 Gauge, Grade II, Heavy Duty, Add	83.95	
For Type 304 Stainless Steel Door, Add	339.46	
For Type 316 Stainless Steel Door, Add	549.34	
For Embossed Panel, Add	100.74	
For Galvanized Steel, Add	62.96	
For Baked Enamel Finish, Add	169.77	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-26.47	
For >100, Deduct	-38.79	
For 2" Thick Door, Add	32.26	
For Insulated Door (Polystyrene Core), Add	41.98	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	104.94	
For Seamless Edge (Welded), Add	52.47	
For Steel Stiffened, Add	104.94	
08 13 13 13-0060 EA 4' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	542.85	39.46
For 18 Gauge, Grade II, Heavy Duty, Add	92.79	
For Type 304 Stainless Steel Door, Add	375.10	
For Type 316 Stainless Steel Door, Add	607.07	
For Embossed Panel, Add	111.35	
For Galvanized Steel, Add	69.59	
For Baked Enamel Finish, Add	186.53	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-29.12	
For >100, Deduct	-42.69	
For 2" Thick Door, Add	35.61	
For Insulated Door (Polystyrene Core), Add	46.39	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	115.99	
For Seamless Edge (Welded), Add	57.99	
For Steel Stiffened, Add	115.99	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0061	PR	Pair 2'-6" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	867.82	63.86
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	148.02	
			<i>For Type 304 Stainless Steel Door, Add</i>	598.47	
			<i>For Type 316 Stainless Steel Door, Add</i>	968.52	
			<i>For Embossed Panel, Add</i>	177.62	
			<i>For Galvanized Steel, Add</i>	111.02	
			<i>For Baked Enamel Finish, Add</i>	298.66	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-46.58	
			<i>For >100, Deduct</i>	-68.28	
			<i>For 2" Thick Door, Add</i>	56.85	
			<i>For Insulated Door (Polystyrene Core), Add</i>	74.01	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	185.03	
			<i>For Seamless Edge (Welded), Add</i>	92.51	
			<i>For Steel Stiffened, Add</i>	185.03	
08 13 13	13-0062	PR	Pair 2'-8" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	878.87	63.86
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	150.23	
			<i>For Type 304 Stainless Steel Door, Add</i>	607.31	
			<i>For Type 316 Stainless Steel Door, Add</i>	982.88	
			<i>For Embossed Panel, Add</i>	180.28	
			<i>For Galvanized Steel, Add</i>	112.67	
			<i>For Baked Enamel Finish, Add</i>	301.98	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-47.14	
			<i>For >100, Deduct</i>	-69.11	
			<i>For 2" Thick Door, Add</i>	57.65	
			<i>For Insulated Door (Polystyrene Core), Add</i>	75.12	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	187.79	
			<i>For Seamless Edge (Welded), Add</i>	93.89	
			<i>For Steel Stiffened, Add</i>	187.79	
08 13 13	13-0063	PR	Pair 2'-10" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	869.54	56.99
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	151.11	
			<i>For Type 304 Stainless Steel Door, Add</i>	610.15	
			<i>For Type 316 Stainless Steel Door, Add</i>	987.93	
			<i>For Embossed Panel, Add</i>	181.33	
			<i>For Galvanized Steel, Add</i>	113.33	
			<i>For Baked Enamel Finish, Add</i>	295.06	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-46.33	
			<i>For >100, Deduct</i>	-68.07	
			<i>For 2" Thick Door, Add</i>	57.63	
			<i>For Insulated Door (Polystyrene Core), Add</i>	75.56	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	188.89	
			<i>For Seamless Edge (Welded), Add</i>	94.45	
			<i>For Steel Stiffened, Add</i>	188.89	
08 13 13	13-0064	PR	Pair 3' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	893.25	66.64
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	152.00	
			<i>For Type 304 Stainless Steel Door, Add</i>	614.65	
			<i>For Type 316 Stainless Steel Door, Add</i>	994.64	
			<i>For Embossed Panel, Add</i>	182.40	
			<i>For Galvanized Steel, Add</i>	114.00	
			<i>For Baked Enamel Finish, Add</i>	307.96	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-47.99	
			<i>For >100, Deduct</i>	-70.33	
			<i>For 2" Thick Door, Add</i>	58.43	
			<i>For Insulated Door (Polystyrene Core), Add</i>	76.00	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	190.00	
			<i>For Seamless Edge (Welded), Add</i>	95.00	
			<i>For Steel Stiffened, Add</i>	190.00	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0065 PR Pair 3'-6" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	978.34	69.41
For 18 Gauge, Grade II, Heavy Duty, Add	167.90	
For Type 304 Stainless Steel Door, Add	678.56	
For Type 316 Stainless Steel Door, Add	1,098.32	
For Embossed Panel, Add	201.48	
For Galvanized Steel, Add	125.93	
For Baked Enamel Finish, Add	335.15	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-52.39	
For >100, Deduct	-76.85	
For 2" Thick Door, Add	64.34	
For Insulated Door (Polystyrene Core), Add	83.95	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	209.88	
For Seamless Edge (Welded), Add	104.94	
For Steel Stiffened, Add	209.88	
08 13 13 13-0066 PR Pair 4' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	1,077.82	74.96
For 18 Gauge, Grade II, Heavy Duty, Add	185.58	
For Type 304 Stainless Steel Door, Add	749.81	
For Type 316 Stainless Steel Door, Add	1,213.75	
For Embossed Panel, Add	222.69	
For Galvanized Steel, Add	139.18	
For Baked Enamel Finish, Add	368.33	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-57.64	
For >100, Deduct	-84.58	
For 2" Thick Door, Add	71.02	
For Insulated Door (Polystyrene Core), Add	92.79	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	231.97	
For Seamless Edge (Welded), Add	115.99	
For Steel Stiffened, Add	231.97	
08 13 13 13-0067 7' High <small>(08 13 13 13-0050)</small>		
08 13 13 13-0068 EA 2' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	435.54	32.15
For 18 Gauge, Grade II, Heavy Duty, Add	74.25	
For Type 304 Stainless Steel Door, Add	300.21	
For Type 316 Stainless Steel Door, Add	485.83	
For Embossed Panel, Add	89.10	
For Galvanized Steel, Add	55.69	
For Baked Enamel Finish, Add	149.95	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-23.38	
For >100, Deduct	-34.27	
For 2" Thick Door, Add	28.52	
For Insulated Door (Polystyrene Core), Add	37.12	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	92.81	
For Seamless Edge (Welded), Add	46.41	
For Steel Stiffened, Add	92.81	
08 13 13 13-0069 EA 2'-4" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	435.54	32.15
For 18 Gauge, Grade II, Heavy Duty, Add	74.25	
For Type 304 Stainless Steel Door, Add	300.21	
For Type 316 Stainless Steel Door, Add	485.83	
For Embossed Panel, Add	89.10	
For Galvanized Steel, Add	55.69	
For Baked Enamel Finish, Add	149.95	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-23.38	
For >100, Deduct	-34.27	
For 2" Thick Door, Add	28.52	
For Insulated Door (Polystyrene Core), Add	37.12	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	92.81	
For Seamless Edge (Welded), Add	46.41	
For Steel Stiffened, Add	92.81	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0070	EA	2'-6" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	446.05	33.61
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	75.77	
			<i>For Type 304 Stainless Steel Door, Add</i>	306.43	
			<i>For Type 316 Stainless Steel Door, Add</i>	495.84	
			<i>For Embossed Panel, Add</i>	90.92	
			<i>For Galvanized Steel, Add</i>	56.82	
			<i>For Baked Enamel Finish, Add</i>	153.98	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-23.98	
			<i>For >100, Deduct</i>	-35.13	
			<i>For 2" Thick Door, Add</i>	29.15	
			<i>For Insulated Door (Polystyrene Core), Add</i>	37.88	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	94.71	
			<i>For Seamless Edge (Welded), Add</i>	47.35	
			<i>For Steel Stiffened, Add</i>	94.71	
08 13 13	13-0071	EA	2'-8" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	451.71	33.61
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	76.90	
			<i>For Type 304 Stainless Steel Door, Add</i>	310.95	
			<i>For Type 316 Stainless Steel Door, Add</i>	503.20	
			<i>For Embossed Panel, Add</i>	92.28	
			<i>For Galvanized Steel, Add</i>	57.67	
			<i>For Baked Enamel Finish, Add</i>	155.68	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-24.27	
			<i>For >100, Deduct</i>	-35.56	
			<i>For 2" Thick Door, Add</i>	29.56	
			<i>For Insulated Door (Polystyrene Core), Add</i>	38.45	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	96.12	
			<i>For Seamless Edge (Welded), Add</i>	48.06	
			<i>For Steel Stiffened, Add</i>	96.12	
08 13 13	13-0072	EA	2'-10" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	455.44	34.34
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	77.35	
			<i>For Type 304 Stainless Steel Door, Add</i>	312.83	
			<i>For Type 316 Stainless Steel Door, Add</i>	506.21	
			<i>For Embossed Panel, Add</i>	92.82	
			<i>For Galvanized Steel, Add</i>	58.01	
			<i>For Baked Enamel Finish, Add</i>	157.24	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-24.49	
			<i>For >100, Deduct</i>	-35.88	
			<i>For 2" Thick Door, Add</i>	29.76	
			<i>For Insulated Door (Polystyrene Core), Add</i>	38.68	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	96.69	
			<i>For Seamless Edge (Welded), Add</i>	48.34	
			<i>For Steel Stiffened, Add</i>	96.69	
08 13 13	13-0073	EA	3' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	459.15	35.07
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	77.80	
			<i>For Type 304 Stainless Steel Door, Add</i>	314.72	
			<i>For Type 316 Stainless Steel Door, Add</i>	509.22	
			<i>For Embossed Panel, Add</i>	93.36	
			<i>For Galvanized Steel, Add</i>	58.35	
			<i>For Baked Enamel Finish, Add</i>	158.79	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-24.71	
			<i>For >100, Deduct</i>	-36.19	
			<i>For 2" Thick Door, Add</i>	29.96	
			<i>For Insulated Door (Polystyrene Core), Add</i>	38.90	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	97.25	
			<i>For Seamless Edge (Welded), Add</i>	48.63	
			<i>For Steel Stiffened, Add</i>	97.25	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0074	EA			3'-4" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	488.55	35.07
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	83.68	
				<i>For Type 304 Stainless Steel Door, Add</i>	338.24	
				<i>For Type 316 Stainless Steel Door, Add</i>	547.44	
				<i>For Embossed Panel, Add</i>	100.42	
				<i>For Galvanized Steel, Add</i>	62.76	
				<i>For Baked Enamel Finish, Add</i>	167.61	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-26.18	
				<i>For >100, Deduct</i>	-38.39	
				<i>For 2" Thick Door, Add</i>	32.09	
				<i>For Insulated Door (Polystyrene Core), Add</i>	41.84	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	104.60	
				<i>For Seamless Edge (Welded), Add</i>	52.30	
				<i>For Steel Stiffened, Add</i>	104.60	
08 13 13 13-0075	EA			3'-6" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	502.79	36.53
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	85.94	
				<i>For Type 304 Stainless Steel Door, Add</i>	347.43	
				<i>For Type 316 Stainless Steel Door, Add</i>	562.29	
				<i>For Embossed Panel, Add</i>	103.13	
				<i>For Galvanized Steel, Add</i>	64.46	
				<i>For Baked Enamel Finish, Add</i>	172.76	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-26.97	
				<i>For >100, Deduct</i>	-39.54	
				<i>For 2" Thick Door, Add</i>	32.98	
				<i>For Insulated Door (Polystyrene Core), Add</i>	42.97	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	107.43	
				<i>For Seamless Edge (Welded), Add</i>	53.72	
				<i>For Steel Stiffened, Add</i>	107.43	
08 13 13 13-0076	EA			4' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	553.86	39.46
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	94.99	
				<i>For Type 304 Stainless Steel Door, Add</i>	383.91	
				<i>For Type 316 Stainless Steel Door, Add</i>	621.38	
				<i>For Embossed Panel, Add</i>	113.99	
				<i>For Galvanized Steel, Add</i>	71.24	
				<i>For Baked Enamel Finish, Add</i>	189.83	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-29.67	
				<i>For >100, Deduct</i>	-43.51	
				<i>For 2" Thick Door, Add</i>	36.41	
				<i>For Insulated Door (Polystyrene Core), Add</i>	47.50	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	118.74	
				<i>For Seamless Edge (Welded), Add</i>	59.37	
				<i>For Steel Stiffened, Add</i>	118.74	
08 13 13 13-0077	PR			Pair 2'-6" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	885.38	63.86
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	151.53	
				<i>For Type 304 Stainless Steel Door, Add</i>	612.51	
				<i>For Type 316 Stainless Steel Door, Add</i>	991.34	
				<i>For Embossed Panel, Add</i>	181.84	
				<i>For Galvanized Steel, Add</i>	113.65	
				<i>For Baked Enamel Finish, Add</i>	303.93	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-47.46	
				<i>For >100, Deduct</i>	-69.60	
				<i>For 2" Thick Door, Add</i>	58.12	
				<i>For Insulated Door (Polystyrene Core), Add</i>	75.77	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	189.42	
				<i>For Seamless Edge (Welded), Add</i>	94.71	
				<i>For Steel Stiffened, Add</i>	189.42	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0078	PR Pair 2'-8" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	896.69	63.86
	For 18 Gauge, Grade II, Heavy Duty, Add	153.79	
	For Type 304 Stainless Steel Door, Add	621.56	
	For Type 316 Stainless Steel Door, Add	1,006.05	
	For Embossed Panel, Add	184.55	
	For Galvanized Steel, Add	115.35	
	For Baked Enamel Finish, Add	307.32	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-48.03	
	For >100, Deduct	-70.44	
	For 2" Thick Door, Add	58.94	
	For Insulated Door (Polystyrene Core), Add	76.90	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	192.24	
	For Seamless Edge (Welded), Add	96.12	
	For Steel Stiffened, Add	192.24	
08 13 13 13-0079	PR Pair 2'-10" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	887.47	56.99
	For 18 Gauge, Grade II, Heavy Duty, Add	154.70	
	For Type 304 Stainless Steel Door, Add	624.49	
	For Type 316 Stainless Steel Door, Add	1,011.24	
	For Embossed Panel, Add	185.64	
	For Galvanized Steel, Add	116.02	
	For Baked Enamel Finish, Add	300.44	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-47.22	
	For >100, Deduct	-69.41	
	For 2" Thick Door, Add	58.93	
	For Insulated Door (Polystyrene Core), Add	77.35	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	193.37	
	For Seamless Edge (Welded), Add	96.69	
	For Steel Stiffened, Add	193.37	
08 13 13 13-0080	PR Pair 3' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	911.29	66.64
	For 18 Gauge, Grade II, Heavy Duty, Add	155.60	
	For Type 304 Stainless Steel Door, Add	629.08	
	For Type 316 Stainless Steel Door, Add	1,018.09	
	For Embossed Panel, Add	186.72	
	For Galvanized Steel, Add	116.70	
	For Baked Enamel Finish, Add	313.37	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-48.90	
	For >100, Deduct	-71.68	
	For 2" Thick Door, Add	59.74	
	For Insulated Door (Polystyrene Core), Add	77.80	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	194.51	
	For Seamless Edge (Welded), Add	97.25	
	For Steel Stiffened, Add	194.51	
08 13 13 13-0081	PR Pair 3'-6" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	998.26	69.41
	For 18 Gauge, Grade II, Heavy Duty, Add	171.89	
	For Type 304 Stainless Steel Door, Add	694.49	
	For Type 316 Stainless Steel Door, Add	1,124.21	
	For Embossed Panel, Add	206.27	
	For Galvanized Steel, Add	128.92	
	For Baked Enamel Finish, Add	341.12	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-53.38	
	For >100, Deduct	-78.34	
	For 2" Thick Door, Add	65.78	
	For Insulated Door (Polystyrene Core), Add	85.94	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	214.86	
	For Seamless Edge (Welded), Add	107.43	
	For Steel Stiffened, Add	214.86	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 13 13	13-0082	PR	Pair 4' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	1,099.84	74.96
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	189.98	
				<i>For Type 304 Stainless Steel Door, Add</i>	767.42	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,242.38	
				<i>For Embossed Panel, Add</i>	227.98	
				<i>For Galvanized Steel, Add</i>	142.49	
				<i>For Baked Enamel Finish, Add</i>	374.93	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-58.74	
				<i>For >100, Deduct</i>	-86.24	
				<i>For 2" Thick Door, Add</i>	72.62	
				<i>For Insulated Door (Polystyrene Core), Add</i>	94.99	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	237.48	
				<i>For Seamless Edge (Welded), Add</i>	118.74	
				<i>For Steel Stiffened, Add</i>	237.48	
	08 13 13	13-0083		7'-2" High <small>(08 13 13 0050)</small>		
	08 13 13	13-0084	EA	2' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	444.15	32.15
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	75.97	
				<i>For Type 304 Stainless Steel Door, Add</i>	307.10	
				<i>For Type 316 Stainless Steel Door, Add</i>	497.02	
				<i>For Embossed Panel, Add</i>	91.16	
				<i>For Galvanized Steel, Add</i>	56.98	
				<i>For Baked Enamel Finish, Add</i>	152.54	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-23.82	
				<i>For >100, Deduct</i>	-34.92	
				<i>For 2" Thick Door, Add</i>	29.15	
				<i>For Insulated Door (Polystyrene Core), Add</i>	37.99	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	94.96	
				<i>For Seamless Edge (Welded), Add</i>	47.48	
				<i>For Steel Stiffened, Add</i>	94.96	
	08 13 13	13-0085	EA	2'-4" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	444.15	32.15
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	75.97	
				<i>For Type 304 Stainless Steel Door, Add</i>	307.10	
				<i>For Type 316 Stainless Steel Door, Add</i>	497.02	
				<i>For Embossed Panel, Add</i>	91.16	
				<i>For Galvanized Steel, Add</i>	56.98	
				<i>For Baked Enamel Finish, Add</i>	152.54	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-23.82	
				<i>For >100, Deduct</i>	-34.92	
				<i>For 2" Thick Door, Add</i>	29.15	
				<i>For Insulated Door (Polystyrene Core), Add</i>	37.99	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	94.96	
				<i>For Seamless Edge (Welded), Add</i>	47.48	
				<i>For Steel Stiffened, Add</i>	94.96	
	08 13 13	13-0086	EA	2'-6" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	454.84	33.61
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	77.52	
				<i>For Type 304 Stainless Steel Door, Add</i>	313.46	
				<i>For Type 316 Stainless Steel Door, Add</i>	507.27	
				<i>For Embossed Panel, Add</i>	93.03	
				<i>For Galvanized Steel, Add</i>	58.14	
				<i>For Baked Enamel Finish, Add</i>	156.62	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-24.42	
				<i>For >100, Deduct</i>	-35.79	
				<i>For 2" Thick Door, Add</i>	29.78	
				<i>For Insulated Door (Polystyrene Core), Add</i>	38.76	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	96.91	
				<i>For Seamless Edge (Welded), Add</i>	48.45	
				<i>For Steel Stiffened, Add</i>	96.91	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0087	EA		2'-8" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	460.62	33.61
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	78.68	
			<i>For Type 304 Stainless Steel Door, Add</i>	318.08	
			<i>For Type 316 Stainless Steel Door, Add</i>	514.78	
			<i>For Embossed Panel, Add</i>	94.42	
			<i>For Galvanized Steel, Add</i>	59.01	
			<i>For Baked Enamel Finish, Add</i>	158.35	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-24.71	
			<i>For >100, Deduct</i>	-36.23	
			<i>For 2" Thick Door, Add</i>	30.20	
			<i>For Insulated Door (Polystyrene Core), Add</i>	39.34	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	98.35	
			<i>For Seamless Edge (Welded), Add</i>	49.18	
			<i>For Steel Stiffened, Add</i>	98.35	
08 13 13 13-0088	EA		3' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	468.17	35.07
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	79.61	
			<i>For Type 304 Stainless Steel Door, Add</i>	321.93	
			<i>For Type 316 Stainless Steel Door, Add</i>	520.95	
			<i>For Embossed Panel, Add</i>	95.53	
			<i>For Galvanized Steel, Add</i>	59.70	
			<i>For Baked Enamel Finish, Add</i>	161.49	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-25.16	
			<i>For >100, Deduct</i>	-36.87	
			<i>For 2" Thick Door, Add</i>	30.61	
			<i>For Insulated Door (Polystyrene Core), Add</i>	39.80	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	99.51	
			<i>For Seamless Edge (Welded), Add</i>	49.75	
			<i>For Steel Stiffened, Add</i>	99.51	
08 13 13 13-0089	EA		3'-4" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	498.25	35.07
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	85.62	
			<i>For Type 304 Stainless Steel Door, Add</i>	346.00	
			<i>For Type 316 Stainless Steel Door, Add</i>	560.05	
			<i>For Embossed Panel, Add</i>	102.75	
			<i>For Galvanized Steel, Add</i>	64.22	
			<i>For Baked Enamel Finish, Add</i>	170.52	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-26.67	
			<i>For >100, Deduct</i>	-39.12	
			<i>For 2" Thick Door, Add</i>	32.79	
			<i>For Insulated Door (Polystyrene Core), Add</i>	42.81	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	107.03	
			<i>For Seamless Edge (Welded), Add</i>	53.51	
			<i>For Steel Stiffened, Add</i>	107.03	
08 13 13 13-0090	EA		3'-6" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	512.75	36.53
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	87.94	
			<i>For Type 304 Stainless Steel Door, Add</i>	355.40	
			<i>For Type 316 Stainless Steel Door, Add</i>	575.24	
			<i>For Embossed Panel, Add</i>	105.52	
			<i>For Galvanized Steel, Add</i>	65.95	
			<i>For Baked Enamel Finish, Add</i>	175.75	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-27.46	
			<i>For >100, Deduct</i>	-40.28	
			<i>For 2" Thick Door, Add</i>	33.70	
			<i>For Insulated Door (Polystyrene Core), Add</i>	43.97	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	109.92	
			<i>For Seamless Edge (Welded), Add</i>	54.96	
			<i>For Steel Stiffened, Add</i>	109.92	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0091	EA			4' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	564.87	39.46
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	97.19	
				<i>For Type 304 Stainless Steel Door, Add</i>	392.71	
				<i>For Type 316 Stainless Steel Door, Add</i>	635.69	
				<i>For Embossed Panel, Add</i>	116.63	
				<i>For Galvanized Steel, Add</i>	72.89	
				<i>For Baked Enamel Finish, Add</i>	193.13	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-30.22	
				<i>For >100, Deduct</i>	-44.34	
				<i>For 2" Thick Door, Add</i>	37.20	
				<i>For Insulated Door (Polystyrene Core), Add</i>	48.60	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	121.49	
				<i>For Seamless Edge (Welded), Add</i>	60.75	
				<i>For Steel Stiffened, Add</i>	121.49	
08 13 13 13-0092	PR			Pair 2'-6" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	902.95	63.86
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	155.05	
				<i>For Type 304 Stainless Steel Door, Add</i>	626.57	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,014.19	
				<i>For Embossed Panel, Add</i>	186.06	
				<i>For Galvanized Steel, Add</i>	116.28	
				<i>For Baked Enamel Finish, Add</i>	309.20	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-48.34	
				<i>For >100, Deduct</i>	-70.91	
				<i>For 2" Thick Door, Add</i>	59.40	
				<i>For Insulated Door (Polystyrene Core), Add</i>	77.52	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	193.81	
				<i>For Seamless Edge (Welded), Add</i>	96.90	
				<i>For Steel Stiffened, Add</i>	193.81	
08 13 13 13-0093	PR			Pair 2'-8" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	914.52	63.86
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	157.36	
				<i>For Type 304 Stainless Steel Door, Add</i>	635.83	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,029.23	
				<i>For Embossed Panel, Add</i>	188.83	
				<i>For Galvanized Steel, Add</i>	118.02	
				<i>For Baked Enamel Finish, Add</i>	312.67	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-48.92	
				<i>For >100, Deduct</i>	-71.78	
				<i>For 2" Thick Door, Add</i>	60.24	
				<i>For Insulated Door (Polystyrene Core), Add</i>	78.68	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	196.70	
				<i>For Seamless Edge (Welded), Add</i>	98.35	
				<i>For Steel Stiffened, Add</i>	196.70	
08 13 13 13-0094	PR			Pair 2'-10" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	905.41	56.99
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	158.29	
				<i>For Type 304 Stainless Steel Door, Add</i>	638.84	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,034.56	
				<i>For Embossed Panel, Add</i>	189.94	
				<i>For Galvanized Steel, Add</i>	118.71	
				<i>For Baked Enamel Finish, Add</i>	305.82	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-48.12	
				<i>For >100, Deduct</i>	-70.76	
				<i>For 2" Thick Door, Add</i>	60.23	
				<i>For Insulated Door (Polystyrene Core), Add</i>	79.14	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	197.86	
				<i>For Seamless Edge (Welded), Add</i>	98.93	
				<i>For Steel Stiffened, Add</i>	197.86	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0095	PR	Pair 3' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	929.33	66.64
		For 18 Gauge, Grade II, Heavy Duty, Add	159.21	
		For Type 304 Stainless Steel Door, Add	643.51	
		For Type 316 Stainless Steel Door, Add	1,041.54	
		For Embossed Panel, Add	191.05	
		For Galvanized Steel, Add	119.41	
		For Baked Enamel Finish, Add	318.78	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-49.80	
		For >100, Deduct	-73.03	
		For 2" Thick Door, Add	61.05	
		For Insulated Door (Polystyrene Core), Add	79.61	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	199.02	
		For Seamless Edge (Welded), Add	99.51	
		For Steel Stiffened, Add	199.02	
08 13 13 13-0096	PR	Pair 3'-6" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	1,018.18	69.41
		For 18 Gauge, Grade II, Heavy Duty, Add	175.87	
		For Type 304 Stainless Steel Door, Add	710.43	
		For Type 316 Stainless Steel Door, Add	1,150.11	
		For Embossed Panel, Add	211.05	
		For Galvanized Steel, Add	131.90	
		For Baked Enamel Finish, Add	347.10	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-54.38	
		For >100, Deduct	-79.83	
		For 2" Thick Door, Add	67.22	
		For Insulated Door (Polystyrene Core), Add	87.94	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	219.84	
		For Seamless Edge (Welded), Add	109.92	
		For Steel Stiffened, Add	219.84	
08 13 13 13-0097	PR	Pair 4' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	1,121.86	74.96
		For 18 Gauge, Grade II, Heavy Duty, Add	194.39	
		For Type 304 Stainless Steel Door, Add	785.04	
		For Type 316 Stainless Steel Door, Add	1,271.01	
		For Embossed Panel, Add	233.26	
		For Galvanized Steel, Add	145.79	
		For Baked Enamel Finish, Add	381.54	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-59.84	
		For >100, Deduct	-87.89	
		For 2" Thick Door, Add	74.21	
		For Insulated Door (Polystyrene Core), Add	97.19	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	242.98	
		For Seamless Edge (Welded), Add	121.49	
		For Steel Stiffened, Add	242.98	
08 13 13 13-0098		8' High (08 13 13 13-0050)		
08 13 13 13-0099	EA	2' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	515.14	32.15
		For 18 Gauge, Grade II, Heavy Duty, Add	90.17	
		For Up To 1' Extra Height, Add	124.75	
		For 1" To 1'-6" Extra Height, Add	238.00	
		For Type 304 Stainless Steel Door, Add	363.89	
		For Type 316 Stainless Steel Door, Add	589.31	
		For Embossed Panel, Add	108.20	
		For Galvanized Steel, Add	67.63	
		For Baked Enamel Finish, Add	173.83	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-27.36	
		For >100, Deduct	-40.24	
		For 2" Thick Door, Add	34.29	
		For Insulated Door (Polystyrene Core), Add	45.08	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	112.71	
		For Seamless Edge (Welded), Add	56.36	
		For Steel Stiffened, Add	112.71	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0100	EA			2'-4" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	515.14	32.15
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	90.17	
				<i>For Up To 1' Extra Height, Add</i>	124.75	
				<i>For 1' To 1'-6" Extra Height, Add</i>	238.00	
				<i>For Type 304 Stainless Steel Door, Add</i>	363.89	
				<i>For Type 316 Stainless Steel Door, Add</i>	589.31	
				<i>For Embossed Panel, Add</i>	108.20	
				<i>For Galvanized Steel, Add</i>	67.63	
				<i>For Baked Enamel Finish, Add</i>	173.83	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-27.36	
				<i>For >100, Deduct</i>	-40.24	
				<i>For 2" Thick Door, Add</i>	34.29	
				<i>For Insulated Door (Polystyrene Core), Add</i>	45.08	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	112.71	
				<i>For Seamless Edge (Welded), Add</i>	56.36	
				<i>For Steel Stiffened, Add</i>	112.71	
08 13 13 13-0101	EA			2'-6" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	527.28	33.61
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	92.01	
				<i>For Up To 1' Extra Height, Add</i>	127.30	
				<i>For 1' To 1'-6" Extra Height, Add</i>	242.87	
				<i>For Type 304 Stainless Steel Door, Add</i>	371.41	
				<i>For Type 316 Stainless Steel Door, Add</i>	601.44	
				<i>For Embossed Panel, Add</i>	110.41	
				<i>For Galvanized Steel, Add</i>	69.01	
				<i>For Baked Enamel Finish, Add</i>	178.35	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-28.04	
				<i>For >100, Deduct</i>	-41.23	
				<i>For 2" Thick Door, Add</i>	35.03	
				<i>For Insulated Door (Polystyrene Core), Add</i>	46.01	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	115.02	
				<i>For Seamless Edge (Welded), Add</i>	57.51	
				<i>For Steel Stiffened, Add</i>	115.02	
08 13 13 13-0102	EA			2'-8" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	534.14	33.61
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	93.38	
				<i>For Up To 1' Extra Height, Add</i>	129.20	
				<i>For 1' To 1'-6" Extra Height, Add</i>	246.49	
				<i>For Type 304 Stainless Steel Door, Add</i>	376.90	
				<i>For Type 316 Stainless Steel Door, Add</i>	610.36	
				<i>For Embossed Panel, Add</i>	112.06	
				<i>For Galvanized Steel, Add</i>	70.04	
				<i>For Baked Enamel Finish, Add</i>	180.41	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-28.39	
				<i>For >100, Deduct</i>	-41.74	
				<i>For 2" Thick Door, Add</i>	35.53	
				<i>For Insulated Door (Polystyrene Core), Add</i>	46.69	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	116.73	
				<i>For Seamless Edge (Welded), Add</i>	58.37	
				<i>For Steel Stiffened, Add</i>	116.73	
08 13 13 13-0103	EA			2'-10" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	538.36	34.34
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	93.93	
				<i>For Up To 1' Extra Height, Add</i>	129.96	
				<i>For 1' To 1'-6" Extra Height, Add</i>	247.94	
				<i>For Type 304 Stainless Steel Door, Add</i>	379.17	
				<i>For Type 316 Stainless Steel Door, Add</i>	614.01	
				<i>For Embossed Panel, Add</i>	112.72	
				<i>For Galvanized Steel, Add</i>	70.45	
				<i>For Baked Enamel Finish, Add</i>	182.12	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-28.64	
				<i>For >100, Deduct</i>	-42.09	
				<i>For 2" Thick Door, Add</i>	35.77	
				<i>For Insulated Door (Polystyrene Core), Add</i>	46.97	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	117.42	
				<i>For Seamless Edge (Welded), Add</i>	58.71	
				<i>For Steel Stiffened, Add</i>	117.42	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR TOTAL DIRECT DEMOLITION
 CSI UOM DESCRIPTION UNIT COST UNIT COST

08 13 13 13-0104	EA	3' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	542.55	35.07
		For 18 Gauge, Grade II, Heavy Duty, Add	94.48	
		For Up To 1' Extra Height, Add	130.72	
		For 1' To 1'-6" Extra Height, Add	249.39	
		For Type 304 Stainless Steel Door, Add	381.44	
		For Type 316 Stainless Steel Door, Add	617.64	
		For Embossed Panel, Add	113.38	
		For Galvanized Steel, Add	70.86	
		For Baked Enamel Finish, Add	183.81	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-28.88	
		For >100, Deduct	-42.44	
		For 2" Thick Door, Add	36.00	
		For Insulated Door (Polystyrene Core), Add	47.24	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	118.10	
		For Seamless Edge (Welded), Add	59.05	
		For Steel Stiffened, Add	118.10	
08 13 13 13-0105	EA	3'-4" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	578.26	35.07
		For 18 Gauge, Grade II, Heavy Duty, Add	101.62	
		For Up To 1' Extra Height, Add	140.60	
		For 1' To 1'-6" Extra Height, Add	268.24	
		For Type 304 Stainless Steel Door, Add	410.00	
		For Type 316 Stainless Steel Door, Add	664.06	
		For Embossed Panel, Add	121.95	
		For Galvanized Steel, Add	76.22	
		For Baked Enamel Finish, Add	194.52	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-30.67	
		For >100, Deduct	-45.12	
		For 2" Thick Door, Add	38.59	
		For Insulated Door (Polystyrene Core), Add	50.81	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	127.03	
		For Seamless Edge (Welded), Add	63.52	
		For Steel Stiffened, Add	127.03	
08 13 13 13-0106	EA	3'-6" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	594.93	36.53
		For 18 Gauge, Grade II, Heavy Duty, Add	104.37	
		For Up To 1' Extra Height, Add	144.40	
		For 1' To 1'-6" Extra Height, Add	275.49	
		For Type 304 Stainless Steel Door, Add	421.14	
		For Type 316 Stainless Steel Door, Add	682.07	
		For Embossed Panel, Add	125.25	
		For Galvanized Steel, Add	78.28	
		For Baked Enamel Finish, Add	200.40	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-31.57	
		For >100, Deduct	-46.45	
		For 2" Thick Door, Add	39.66	
		For Insulated Door (Polystyrene Core), Add	52.19	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	130.47	
		For Seamless Edge (Welded), Add	65.23	
		For Steel Stiffened, Add	130.47	
08 13 13 13-0107	EA	4' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	655.70	39.46
		For 18 Gauge, Grade II, Heavy Duty, Add	115.36	
		For Up To 1' Extra Height, Add	159.60	
		For 1' To 1'-6" Extra Height, Add	304.49	
		For Type 304 Stainless Steel Door, Add	465.38	
		For Type 316 Stainless Steel Door, Add	753.77	
		For Embossed Panel, Add	138.43	
		For Galvanized Steel, Add	86.52	
		For Baked Enamel Finish, Add	220.38	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-34.76	
		For >100, Deduct	-51.15	
		For 2" Thick Door, Add	43.79	
		For Insulated Door (Polystyrene Core), Add	57.68	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	144.20	
		For Seamless Edge (Welded), Add	72.10	
		For Steel Stiffened, Add	144.20	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0108 PR Pair 2'-6" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	1,047.83	63.86
For 18 Gauge, Grade II, Heavy Duty, Add	184.02	
For Up To 1' Extra Height, Add	254.59	
For 1' To 1'-6" Extra Height, Add	485.73	
For Type 304 Stainless Steel Door, Add	742.47	
For Type 316 Stainless Steel Door, Add	1,202.53	
For Embossed Panel, Add	220.83	
For Galvanized Steel, Add	138.02	
For Baked Enamel Finish, Add	352.67	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-55.58	
For >100, Deduct	-81.78	
For 2" Thick Door, Add	69.90	
For Insulated Door (Polystyrene Core), Add	92.01	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	230.03	
For Seamless Edge (Welded), Add	115.01	
For Steel Stiffened, Add	230.03	
08 13 13 13-0109 PR Pair 2'-8" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	1,061.57	63.86
For 18 Gauge, Grade II, Heavy Duty, Add	186.77	
For Up To 1' Extra Height, Add	258.40	
For 1' To 1'-6" Extra Height, Add	492.98	
For Type 304 Stainless Steel Door, Add	753.47	
For Type 316 Stainless Steel Door, Add	1,220.39	
For Embossed Panel, Add	224.12	
For Galvanized Steel, Add	140.08	
For Baked Enamel Finish, Add	356.79	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-56.27	
For >100, Deduct	-82.81	
For 2" Thick Door, Add	70.90	
For Insulated Door (Polystyrene Core), Add	93.39	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	233.46	
For Seamless Edge (Welded), Add	116.73	
For Steel Stiffened, Add	233.46	
08 13 13 13-0110 PR Pair 2'-10" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	1,053.32	56.99
For 18 Gauge, Grade II, Heavy Duty, Add	187.87	
For Up To 1' Extra Height, Add	259.92	
For 1' To 1'-6" Extra Height, Add	495.88	
For Type 304 Stainless Steel Door, Add	757.17	
For Type 316 Stainless Steel Door, Add	1,226.84	
For Embossed Panel, Add	225.44	
For Galvanized Steel, Add	140.90	
For Baked Enamel Finish, Add	350.19	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-55.52	
For >100, Deduct	-81.85	
For 2" Thick Door, Add	70.95	
For Insulated Door (Polystyrene Core), Add	93.93	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	234.84	
For Seamless Edge (Welded), Add	117.42	
For Steel Stiffened, Add	234.84	
08 13 13 13-0111 PR Pair 3' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	1,078.10	66.64
For 18 Gauge, Grade II, Heavy Duty, Add	188.97	
For Up To 1' Extra Height, Add	261.43	
For 1' To 1'-6" Extra Height, Add	498.78	
For Type 304 Stainless Steel Door, Add	762.53	
For Type 316 Stainless Steel Door, Add	1,234.94	
For Embossed Panel, Add	226.76	
For Galvanized Steel, Add	141.72	
For Baked Enamel Finish, Add	363.41	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-57.24	
For >100, Deduct	-84.19	
For 2" Thick Door, Add	71.83	
For Insulated Door (Polystyrene Core), Add	94.48	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	236.21	
For Seamless Edge (Welded), Add	118.10	
For Steel Stiffened, Add	236.21	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0112	PR	Pair 3'-6" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	1,182.53	69.41
		<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	208.74	
		<i>For Up To 1' Extra Height, Add</i>	288.79	
		<i>For 1' To 1'-6" Extra Height, Add</i>	550.97	
		<i>For Type 304 Stainless Steel Door, Add</i>	841.91	
		<i>For Type 316 Stainless Steel Door, Add</i>	1,363.76	
		<i>For Embossed Panel, Add</i>	250.49	
		<i>For Galvanized Steel, Add</i>	156.56	
		<i>For Baked Enamel Finish, Add</i>	396.41	
		<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
		<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
		<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
		<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
		<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-62.60	
		<i>For >100, Deduct</i>	-92.16	
		<i>For 2" Thick Door, Add</i>	79.14	
		<i>For Insulated Door (Polystyrene Core), Add</i>	104.37	
		<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	260.93	
		<i>For Seamless Edge (Welded), Add</i>	130.46	
		<i>For Steel Stiffened, Add</i>	260.93	
08 13 13 13-0113	PR	Pair 4' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	1,303.51	74.96
		<i>For Type 304 Stainless Steel Door, Add</i>	930.36	
		<i>For Type 316 Stainless Steel Door, Add</i>	1,507.15	
		<i>For Embossed Panel, Add</i>	276.86	
		<i>For Galvanized Steel, Add</i>	173.04	
		<i>For Baked Enamel Finish, Add</i>	436.03	
		<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
		<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
		<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
		<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
		<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-68.92	
		<i>For >100, Deduct</i>	-101.51	
		<i>For 2" Thick Door, Add</i>	87.38	
		<i>For Insulated Door (Polystyrene Core), Add</i>	115.36	
		<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	288.40	
		<i>For Seamless Edge (Welded), Add</i>	144.20	
		<i>For Steel Stiffened, Add</i>	288.40	
08 13 13 13-0114		16 Gauge 1-3/4" Unrated Door (08 13 13 13)		
08 13 13 13-0115		6'-8" High (08 13 13 13-0114)		
08 13 13 13-0116	EA	2' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	566.55	32.15
		<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	150.68	
		<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	200.90	
		<i>For Type 304 Stainless Steel Door, Add</i>	405.02	
		<i>For Type 316 Stainless Steel Door, Add</i>	656.14	
		<i>For Embossed Panel, Add</i>	120.54	
		<i>For Galvanized Steel, Add</i>	75.34	
		<i>For Baked Enamel Finish, Add</i>	189.26	
		<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
		<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
		<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
		<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
		<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-29.94	
		<i>For >100, Deduct</i>	-44.10	
		<i>For 2" Thick Door, Add</i>	38.02	
		<i>For Insulated Door (Polystyrene Core), Add</i>	50.23	
		<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	125.56	
		<i>For Seamless Edge (Welded), Add</i>	62.78	
		<i>For Steel Stiffened, Add</i>	125.56	
08 13 13 13-0117	EA	2'-4" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	566.55	32.15
		<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	150.68	
		<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	200.90	
		<i>For Type 304 Stainless Steel Door, Add</i>	405.02	
		<i>For Type 316 Stainless Steel Door, Add</i>	656.14	
		<i>For Embossed Panel, Add</i>	120.54	
		<i>For Galvanized Steel, Add</i>	75.34	
		<i>For Baked Enamel Finish, Add</i>	189.26	
		<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
		<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
		<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
		<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
		<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-29.94	
		<i>For >100, Deduct</i>	-44.10	
		<i>For 2" Thick Door, Add</i>	38.02	
		<i>For Insulated Door (Polystyrene Core), Add</i>	50.23	
		<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	125.56	
		<i>For Seamless Edge (Welded), Add</i>	62.78	
		<i>For Steel Stiffened, Add</i>	125.56	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0118 EA 2'-6" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	579.74	33.61
For 16 Gauge, Grade III, Extra Heavy Duty, Add	153.76	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	205.01	
For Type 304 Stainless Steel Door, Add	413.38	
For Type 316 Stainless Steel Door, Add	669.64	
For Embossed Panel, Add	123.00	
For Galvanized Steel, Add	76.88	
For Baked Enamel Finish, Add	194.09	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-30.67	
For >100, Deduct	-45.16	
For 2" Thick Door, Add	38.84	
For Insulated Door (Polystyrene Core), Add	51.25	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	128.13	
For Seamless Edge (Welded), Add	64.07	
For Steel Stiffened, Add	128.13	
08 13 13 13-0119 EA 2'-8" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	587.39	33.61
For 16 Gauge, Grade III, Extra Heavy Duty, Add	156.05	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	208.07	
For Type 304 Stainless Steel Door, Add	419.50	
For Type 316 Stainless Steel Door, Add	679.58	
For Embossed Panel, Add	124.84	
For Galvanized Steel, Add	78.03	
For Baked Enamel Finish, Add	196.38	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-31.05	
For >100, Deduct	-45.73	
For 2" Thick Door, Add	39.39	
For Insulated Door (Polystyrene Core), Add	52.02	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	130.04	
For Seamless Edge (Welded), Add	65.02	
For Steel Stiffened, Add	130.04	
08 13 13 13-0120 EA 2'-10" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	591.92	34.34
For 16 Gauge, Grade III, Extra Heavy Duty, Add	156.97	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	209.29	
For Type 304 Stainless Steel Door, Add	422.02	
For Type 316 Stainless Steel Door, Add	683.63	
For Embossed Panel, Add	125.58	
For Galvanized Steel, Add	78.48	
For Baked Enamel Finish, Add	198.18	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-31.31	
For >100, Deduct	-46.11	
For 2" Thick Door, Add	39.65	
For Insulated Door (Polystyrene Core), Add	52.32	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	130.81	
For Seamless Edge (Welded), Add	65.40	
For Steel Stiffened, Add	130.81	
08 13 13 13-0121 EA 3' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	596.43	35.07
For 16 Gauge, Grade III, Extra Heavy Duty, Add	157.89	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	210.52	
For Type 304 Stainless Steel Door, Add	424.54	
For Type 316 Stainless Steel Door, Add	687.68	
For Embossed Panel, Add	126.31	
For Galvanized Steel, Add	78.94	
For Baked Enamel Finish, Add	199.97	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-31.58	
For >100, Deduct	-46.49	
For 2" Thick Door, Add	39.91	
For Insulated Door (Polystyrene Core), Add	52.63	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	131.57	
For Seamless Edge (Welded), Add	65.79	
For Steel Stiffened, Add	131.57	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 13 13 13-0122	EA 3'-4" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	636.21	35.07
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	169.82	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	226.43	
	For Type 304 Stainless Steel Door, Add	456.36	
	For Type 316 Stainless Steel Door, Add	739.40	
	For Embossed Panel, Add	135.86	
	For Galvanized Steel, Add	84.91	
	For Baked Enamel Finish, Add	211.91	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-33.56	
	For >100, Deduct	-49.47	
	For 2" Thick Door, Add	42.79	
	For Insulated Door (Polystyrene Core), Add	56.61	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	141.52	
	For Seamless Edge (Welded), Add	70.76	
	For Steel Stiffened, Add	141.52	
08 13 13 13-0123	EA 3'-6" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	654.43	36.53
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	174.41	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	232.54	
	For Type 304 Stainless Steel Door, Add	468.74	
	For Type 316 Stainless Steel Door, Add	759.42	
	For Embossed Panel, Add	139.53	
	For Galvanized Steel, Add	87.20	
	For Baked Enamel Finish, Add	218.25	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-34.55	
	For >100, Deduct	-50.91	
	For 2" Thick Door, Add	43.98	
	For Insulated Door (Polystyrene Core), Add	58.14	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	145.34	
	For Seamless Edge (Welded), Add	72.67	
	For Steel Stiffened, Add	145.34	
08 13 13 13-0124	EA 4' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	721.47	39.46
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	192.77	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	257.02	
	For Type 304 Stainless Steel Door, Add	517.99	
	For Type 316 Stainless Steel Door, Add	839.27	
	For Embossed Panel, Add	154.21	
	For Galvanized Steel, Add	96.38	
	For Baked Enamel Finish, Add	240.11	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-38.05	
	For >100, Deduct	-56.08	
	For 2" Thick Door, Add	48.56	
	For Insulated Door (Polystyrene Core), Add	64.26	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	160.64	
	For Seamless Edge (Welded), Add	80.32	
	For Steel Stiffened, Add	160.64	
08 13 13 13-0125	PR Pair 2'-6" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,152.76	63.86
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	307.51	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	410.02	
	For Type 304 Stainless Steel Door, Add	826.42	
	For Type 316 Stainless Steel Door, Add	1,338.94	
	For Embossed Panel, Add	246.01	
	For Galvanized Steel, Add	153.76	
	For Baked Enamel Finish, Add	384.14	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-60.83	
	For >100, Deduct	-89.65	
	For 2" Thick Door, Add	77.51	
	For Insulated Door (Polystyrene Core), Add	102.50	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	256.26	
	For Seamless Edge (Welded), Add	128.13	
	For Steel Stiffened, Add	256.26	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0126	PR		Pair 2'-8" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,168.06	63.86
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	312.10	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	416.14	
				<i>For Type 304 Stainless Steel Door, Add</i>	838.66	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,358.83	
				<i>For Embossed Panel, Add</i>	249.68	
				<i>For Galvanized Steel, Add</i>	156.05	
				<i>For Baked Enamel Finish, Add</i>	388.73	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-61.60	
				<i>For >100, Deduct</i>	-90.80	
				<i>For 2" Thick Door, Add</i>	78.62	
				<i>For Insulated Door (Polystyrene Core), Add</i>	104.03	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	260.09	
				<i>For Seamless Edge (Welded), Add</i>	130.04	
				<i>For Steel Stiffened, Add</i>	260.09	
08 13 13	13-0127	PR		Pair 2'-10" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,160.44	56.99
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	313.94	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	418.58	
				<i>For Type 304 Stainless Steel Door, Add</i>	842.87	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,366.10	
				<i>For Embossed Panel, Add</i>	251.15	
				<i>For Galvanized Steel, Add</i>	156.97	
				<i>For Baked Enamel Finish, Add</i>	382.33	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-60.87	
				<i>For >100, Deduct</i>	-89.88	
				<i>For 2" Thick Door, Add</i>	78.72	
				<i>For Insulated Door (Polystyrene Core), Add</i>	104.65	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	261.62	
				<i>For Seamless Edge (Welded), Add</i>	130.81	
				<i>For Steel Stiffened, Add</i>	261.62	
08 13 13	13-0128	PR		Pair 3' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,185.85	66.64
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	315.77	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	421.03	
				<i>For Type 304 Stainless Steel Door, Add</i>	848.73	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,375.02	
				<i>For Embossed Panel, Add</i>	252.62	
				<i>For Galvanized Steel, Add</i>	157.89	
				<i>For Baked Enamel Finish, Add</i>	395.74	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-62.62	
				<i>For >100, Deduct</i>	-92.27	
				<i>For 2" Thick Door, Add</i>	79.64	
				<i>For Insulated Door (Polystyrene Core), Add</i>	105.26	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	263.15	
				<i>For Seamless Edge (Welded), Add</i>	131.57	
				<i>For Steel Stiffened, Add</i>	263.15	
08 13 13	13-0129	PR		Pair 3'-6" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,301.55	69.41
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	348.82	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	465.09	
				<i>For Type 304 Stainless Steel Door, Add</i>	937.13	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,518.49	
				<i>For Embossed Panel, Add</i>	279.06	
				<i>For Galvanized Steel, Add</i>	174.41	
				<i>For Baked Enamel Finish, Add</i>	432.11	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-68.55	
				<i>For >100, Deduct</i>	-101.09	
				<i>For 2" Thick Door, Add</i>	87.77	
				<i>For Insulated Door (Polystyrene Core), Add</i>	116.27	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	290.68	
				<i>For Seamless Edge (Welded), Add</i>	145.34	
				<i>For Steel Stiffened, Add</i>	290.68	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0130	PR	Pair 4' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	1,435.05	74.96
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	385.54	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	514.05	
		For Type 304 Stainless Steel Door, Add	1,035.59	
		For Type 316 Stainless Steel Door, Add	1,678.15	
		For Embossed Panel, Add	308.43	
		For Galvanized Steel, Add	192.77	
		For Baked Enamel Finish, Add	475.49	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-75.50	
		For >100, Deduct	-111.38	
		For 2" Thick Door, Add	96.92	
		For Insulated Door (Polystyrene Core), Add	128.51	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	321.28	
		For Seamless Edge (Welded), Add	160.64	
		For Steel Stiffened, Add	321.28	

08 13 13 13-0131 **7' High** (08 13 13 13-0114)

08 13 13 13-0132	EA	2' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	578.47	32.15
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	154.25	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	205.67	
		For Type 304 Stainless Steel Door, Add	414.55	
		For Type 316 Stainless Steel Door, Add	671.64	
		For Embossed Panel, Add	123.40	
		For Galvanized Steel, Add	77.13	
		For Baked Enamel Finish, Add	192.83	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-30.53	
		For >100, Deduct	-44.99	
		For 2" Thick Door, Add	38.88	
		For Insulated Door (Polystyrene Core), Add	51.42	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	128.54	
		For Seamless Edge (Welded), Add	64.27	
		For Steel Stiffened, Add	128.54	
08 13 13 13-0133	EA	2'-4" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated).....	578.47	32.15
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	154.25	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	205.67	
		For Type 304 Stainless Steel Door, Add	414.55	
		For Type 316 Stainless Steel Door, Add	671.64	
		For Embossed Panel, Add	123.40	
		For Galvanized Steel, Add	77.13	
		For Baked Enamel Finish, Add	192.83	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-30.53	
		For >100, Deduct	-44.99	
		For 2" Thick Door, Add	38.88	
		For Insulated Door (Polystyrene Core), Add	51.42	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	128.54	
		For Seamless Edge (Welded), Add	64.27	
		For Steel Stiffened, Add	128.54	
08 13 13 13-0134	EA	2'-6" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated).....	591.90	33.61
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	157.40	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	209.87	
		For Type 304 Stainless Steel Door, Add	423.11	
		For Type 316 Stainless Steel Door, Add	685.45	
		For Embossed Panel, Add	125.92	
		For Galvanized Steel, Add	78.70	
		For Baked Enamel Finish, Add	197.74	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-31.28	
		For >100, Deduct	-46.07	
		For 2" Thick Door, Add	39.72	
		For Insulated Door (Polystyrene Core), Add	52.47	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	131.17	
		For Seamless Edge (Welded), Add	65.59	
		For Steel Stiffened, Add	131.17	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0135 EA 2'-8" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated).....	599.73	33.61
For 16 Gauge, Grade III, Extra Heavy Duty, Add	159.75	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	213.00	
For Type 304 Stainless Steel Door, Add	429.37	
For Type 316 Stainless Steel Door, Add	695.62	
For Embossed Panel, Add	127.80	
For Galvanized Steel, Add	79.88	
For Baked Enamel Finish, Add	200.09	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-31.67	
For >100, Deduct	-46.66	
For 2" Thick Door, Add	40.29	
For Insulated Door (Polystyrene Core), Add	53.25	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	133.13	
For Seamless Edge (Welded), Add	66.56	
For Steel Stiffened, Add	133.13	
08 13 13 13-0136 EA 2'-10" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated).....	604.33	34.34
For 16 Gauge, Grade III, Extra Heavy Duty, Add	160.69	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	214.26	
For Type 304 Stainless Steel Door, Add	431.95	
For Type 316 Stainless Steel Door, Add	699.77	
For Embossed Panel, Add	128.55	
For Galvanized Steel, Add	80.35	
For Baked Enamel Finish, Add	201.91	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-31.93	
For >100, Deduct	-47.04	
For 2" Thick Door, Add	40.55	
For Insulated Door (Polystyrene Core), Add	53.56	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	133.91	
For Seamless Edge (Welded), Add	66.96	
For Steel Stiffened, Add	133.91	
08 13 13 13-0137 EA 3' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated).....	608.92	35.07
For 16 Gauge, Grade III, Extra Heavy Duty, Add	161.63	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	215.51	
For Type 304 Stainless Steel Door, Add	434.53	
For Type 316 Stainless Steel Door, Add	703.92	
For Embossed Panel, Add	129.31	
For Galvanized Steel, Add	80.82	
For Baked Enamel Finish, Add	203.72	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-32.20	
For >100, Deduct	-47.42	
For 2" Thick Door, Add	40.82	
For Insulated Door (Polystyrene Core), Add	53.88	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	134.70	
For Seamless Edge (Welded), Add	67.35	
For Steel Stiffened, Add	134.70	
08 13 13 13-0138 EA 3'-4" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated).....	649.64	35.07
For 16 Gauge, Grade III, Extra Heavy Duty, Add	173.85	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	231.80	
For Type 304 Stainless Steel Door, Add	467.11	
For Type 316 Stainless Steel Door, Add	756.86	
For Embossed Panel, Add	139.08	
For Galvanized Steel, Add	86.93	
For Baked Enamel Finish, Add	215.93	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-34.24	
For >100, Deduct	-50.48	
For 2" Thick Door, Add	43.77	
For Insulated Door (Polystyrene Core), Add	57.95	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	144.88	
For Seamless Edge (Welded), Add	72.44	
For Steel Stiffened, Add	144.88	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0139	EA	3'-6" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated).....	668.23	36.53
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	178.55	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	238.06	
			<i>For Type 304 Stainless Steel Door, Add</i>	479.78	
			<i>For Type 316 Stainless Steel Door, Add</i>	777.36	
			<i>For Embossed Panel, Add</i>	142.84	
			<i>For Galvanized Steel, Add</i>	89.27	
			<i>For Baked Enamel Finish, Add</i>	222.39	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-35.24	
			<i>For >100, Deduct</i>	-51.94	
			<i>For 2" Thick Door, Add</i>	44.98	
			<i>For Insulated Door (Polystyrene Core), Add</i>	59.52	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	148.79	
			<i>For Seamless Edge (Welded), Add</i>	74.40	
			<i>For Steel Stiffened, Add</i>	148.79	
08 13 13	13-0140	EA	4' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	736.72	39.46
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	197.34	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	263.12	
			<i>For Type 304 Stainless Steel Door, Add</i>	530.19	
			<i>For Type 316 Stainless Steel Door, Add</i>	859.10	
			<i>For Embossed Panel, Add</i>	157.87	
			<i>For Galvanized Steel, Add</i>	98.67	
			<i>For Baked Enamel Finish, Add</i>	244.69	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-38.81	
			<i>For >100, Deduct</i>	-57.23	
			<i>For 2" Thick Door, Add</i>	49.66	
			<i>For Insulated Door (Polystyrene Core), Add</i>	65.78	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	164.45	
			<i>For Seamless Edge (Welded), Add</i>	82.23	
			<i>For Steel Stiffened, Add</i>	164.45	
08 13 13	13-0141	PR	Pair 2'-6" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,177.08	63.86
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	314.81	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	419.74	
			<i>For Type 304 Stainless Steel Door, Add</i>	845.87	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,370.55	
			<i>For Embossed Panel, Add</i>	251.85	
			<i>For Galvanized Steel, Add</i>	157.40	
			<i>For Baked Enamel Finish, Add</i>	391.44	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-62.05	
			<i>For >100, Deduct</i>	-91.47	
			<i>For 2" Thick Door, Add</i>	79.27	
			<i>For Insulated Door (Polystyrene Core), Add</i>	104.94	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	262.34	
			<i>For Seamless Edge (Welded), Add</i>	131.17	
			<i>For Steel Stiffened, Add</i>	262.34	
08 13 13	13-0142	PR	Pair 2'-8" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,192.75	63.86
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	319.51	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	426.01	
			<i>For Type 304 Stainless Steel Door, Add</i>	858.41	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,390.93	
			<i>For Embossed Panel, Add</i>	255.61	
			<i>For Galvanized Steel, Add</i>	159.75	
			<i>For Baked Enamel Finish, Add</i>	396.14	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-62.83	
			<i>For >100, Deduct</i>	-92.65	
			<i>For 2" Thick Door, Add</i>	80.41	
			<i>For Insulated Door (Polystyrene Core), Add</i>	106.50	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	266.26	
			<i>For Seamless Edge (Welded), Add</i>	133.13	
			<i>For Steel Stiffened, Add</i>	266.26	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0143	PR	Pair 2'-10" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,185.27	56.99
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	321.39	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	428.52	
			<i>For Type 304 Stainless Steel Door, Add</i>	862.73	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,398.38	
			<i>For Embossed Panel, Add</i>	257.11	
			<i>For Galvanized Steel, Add</i>	160.69	
			<i>For Baked Enamel Finish, Add</i>	389.78	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-62.11	
			<i>For >100, Deduct</i>	-91.74	
			<i>For 2" Thick Door, Add</i>	80.52	
			<i>For Insulated Door (Polystyrene Core), Add</i>	107.13	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	267.82	
			<i>For Seamless Edge (Welded), Add</i>	133.91	
			<i>For Steel Stiffened, Add</i>	267.82	
08 13 13	13-0144	PR	Pair 3' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,210.83	66.64
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	323.27	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	431.02	
			<i>For Type 304 Stainless Steel Door, Add</i>	868.71	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,407.49	
			<i>For Embossed Panel, Add</i>	258.61	
			<i>For Galvanized Steel, Add</i>	161.63	
			<i>For Baked Enamel Finish, Add</i>	403.23	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-63.87	
			<i>For >100, Deduct</i>	-94.14	
			<i>For 2" Thick Door, Add</i>	81.45	
			<i>For Insulated Door (Polystyrene Core), Add</i>	107.76	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	269.39	
			<i>For Seamless Edge (Welded), Add</i>	134.70	
			<i>For Steel Stiffened, Add</i>	269.39	
08 13 13	13-0145	PR	Pair 3'-6" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,329.14	69.41
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	357.10	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	476.13	
			<i>For Type 304 Stainless Steel Door, Add</i>	959.20	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,554.36	
			<i>For Embossed Panel, Add</i>	285.68	
			<i>For Galvanized Steel, Add</i>	178.55	
			<i>For Baked Enamel Finish, Add</i>	440.39	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-69.93	
			<i>For >100, Deduct</i>	-103.16	
			<i>For 2" Thick Door, Add</i>	89.77	
			<i>For Insulated Door (Polystyrene Core), Add</i>	119.03	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	297.58	
			<i>For Seamless Edge (Welded), Add</i>	148.79	
			<i>For Steel Stiffened, Add</i>	297.58	
08 13 13	13-0146	PR	Pair 4' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,465.55	74.96
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	394.69	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	526.25	
			<i>For Type 304 Stainless Steel Door, Add</i>	1,059.99	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,717.80	
			<i>For Embossed Panel, Add</i>	315.75	
			<i>For Galvanized Steel, Add</i>	197.34	
			<i>For Baked Enamel Finish, Add</i>	484.64	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-77.03	
			<i>For >100, Deduct</i>	-113.66	
			<i>For 2" Thick Door, Add</i>	99.13	
			<i>For Insulated Door (Polystyrene Core), Add</i>	131.56	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	328.91	
			<i>For Seamless Edge (Welded), Add</i>	164.45	
			<i>For Steel Stiffened, Add</i>	328.91	
08 13 13	13-0147		7'-2" High <small>(08 13 13-0114)</small>		

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

08 13 13 13-0148	EA 2' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	590.39	32.15
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	157.83	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	210.44	
	For Type 304 Stainless Steel Door, Add	424.09	
	For Type 316 Stainless Steel Door, Add	687.13	
	For Embossed Panel, Add	126.26	
	For Galvanized Steel, Add	78.91	
	For Baked Enamel Finish, Add	196.41	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-31.13	
	For >100, Deduct	-45.89	
	For 2" Thick Door, Add	39.75	
	For Insulated Door (Polystyrene Core), Add	52.61	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	131.52	
	For Seamless Edge (Welded), Add	65.76	
	For Steel Stiffened, Add	131.52	
08 13 13 13-0149	EA 2'-4" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	590.39	32.15
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	157.83	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	210.44	
	For Type 304 Stainless Steel Door, Add	424.09	
	For Type 316 Stainless Steel Door, Add	687.13	
	For Embossed Panel, Add	126.26	
	For Galvanized Steel, Add	78.91	
	For Baked Enamel Finish, Add	196.41	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-31.13	
	For >100, Deduct	-45.89	
	For 2" Thick Door, Add	39.75	
	For Insulated Door (Polystyrene Core), Add	52.61	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	131.52	
	For Seamless Edge (Welded), Add	65.76	
	For Steel Stiffened, Add	131.52	
08 13 13 13-0150	EA 2'-6" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	604.07	33.61
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	161.06	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	214.74	
	For Type 304 Stainless Steel Door, Add	432.84	
	For Type 316 Stainless Steel Door, Add	701.27	
	For Embossed Panel, Add	128.84	
	For Galvanized Steel, Add	80.53	
	For Baked Enamel Finish, Add	201.39	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-31.88	
	For >100, Deduct	-46.99	
	For 2" Thick Door, Add	40.60	
	For Insulated Door (Polystyrene Core), Add	53.69	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	134.21	
	For Seamless Edge (Welded), Add	67.11	
	For Steel Stiffened, Add	134.21	
08 13 13 13-0151	EA 2'-8" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	612.08	33.61
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	163.46	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	217.94	
	For Type 304 Stainless Steel Door, Add	439.25	
	For Type 316 Stainless Steel Door, Add	711.68	
	For Embossed Panel, Add	130.77	
	For Galvanized Steel, Add	81.73	
	For Baked Enamel Finish, Add	203.79	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-32.28	
	For >100, Deduct	-47.59	
	For 2" Thick Door, Add	41.18	
	For Insulated Door (Polystyrene Core), Add	54.49	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	136.22	
	For Seamless Edge (Welded), Add	68.11	
	For Steel Stiffened, Add	136.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0152 EA 2'-10" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	616.75	34.34
For 16 Gauge, Grade III, Extra Heavy Duty, Add	164.42	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	219.22	
For Type 304 Stainless Steel Door, Add	441.88	
For Type 316 Stainless Steel Door, Add	715.91	
For Embossed Panel, Add	131.53	
For Galvanized Steel, Add	82.21	
For Baked Enamel Finish, Add	205.63	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-32.55	
For >100, Deduct	-47.97	
For 2" Thick Door, Add	41.45	
For Insulated Door (Polystyrene Core), Add	54.81	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	137.02	
For Seamless Edge (Welded), Add	68.51	
For Steel Stiffened, Add	137.02	
08 13 13 13-0153 EA 3' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	621.41	35.07
For 16 Gauge, Grade III, Extra Heavy Duty, Add	165.38	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	220.51	
For Type 304 Stainless Steel Door, Add	444.52	
For Type 316 Stainless Steel Door, Add	720.16	
For Embossed Panel, Add	132.30	
For Galvanized Steel, Add	82.69	
For Baked Enamel Finish, Add	207.47	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-32.82	
For >100, Deduct	-48.36	
For 2" Thick Door, Add	41.72	
For Insulated Door (Polystyrene Core), Add	55.13	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	137.82	
For Seamless Edge (Welded), Add	68.91	
For Steel Stiffened, Add	137.82	
08 13 13 13-0154 EA 3'-4" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	663.07	35.07
For 16 Gauge, Grade III, Extra Heavy Duty, Add	177.88	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	237.17	
For Type 304 Stainless Steel Door, Add	477.85	
For Type 316 Stainless Steel Door, Add	774.32	
For Embossed Panel, Add	142.30	
For Galvanized Steel, Add	88.94	
For Baked Enamel Finish, Add	219.96	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-34.91	
For >100, Deduct	-51.48	
For 2" Thick Door, Add	44.74	
For Insulated Door (Polystyrene Core), Add	59.29	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	148.23	
For Seamless Edge (Welded), Add	74.12	
For Steel Stiffened, Add	148.23	
08 13 13 13-0155 EA 3'-6" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	682.03	36.53
For 16 Gauge, Grade III, Extra Heavy Duty, Add	182.69	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	243.58	
For Type 304 Stainless Steel Door, Add	490.82	
For Type 316 Stainless Steel Door, Add	795.30	
For Embossed Panel, Add	146.15	
For Galvanized Steel, Add	91.34	
For Baked Enamel Finish, Add	226.53	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-35.93	
For >100, Deduct	-52.98	
For 2" Thick Door, Add	45.98	
For Insulated Door (Polystyrene Core), Add	60.90	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	152.24	
For Seamless Edge (Welded), Add	76.12	
For Steel Stiffened, Add	152.24	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 13 13 13-0156	EA	4' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	751.97	39.46
		<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	201.92	
		<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	269.22	
		<i>For Type 304 Stainless Steel Door, Add</i>	542.39	
		<i>For Type 316 Stainless Steel Door, Add</i>	878.92	
		<i>For Embossed Panel, Add</i>	161.53	
		<i>For Galvanized Steel, Add</i>	100.96	
		<i>For Baked Enamel Finish, Add</i>	249.26	
		<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
		<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
		<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
		<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
		<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-39.57	
		<i>For >100, Deduct</i>	-58.37	
		<i>For 2" Thick Door, Add</i>	50.77	
		<i>For Insulated Door (Polystyrene Core), Add</i>	67.31	
		<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	168.27	
		<i>For Seamless Edge (Welded), Add</i>	84.13	
		<i>For Steel Stiffened, Add</i>	168.27	
08 13 13 13-0157	PR	Pair 2'-6" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,201.41	63.86
		<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	322.11	
		<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	429.48	
		<i>For Type 304 Stainless Steel Door, Add</i>	865.34	
		<i>For Type 316 Stainless Steel Door, Add</i>	1,402.18	
		<i>For Embossed Panel, Add</i>	257.69	
		<i>For Galvanized Steel, Add</i>	161.05	
		<i>For Baked Enamel Finish, Add</i>	398.74	
		<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
		<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
		<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
		<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
		<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-63.26	
		<i>For >100, Deduct</i>	-93.30	
		<i>For 2" Thick Door, Add</i>	81.04	
		<i>For Insulated Door (Polystyrene Core), Add</i>	107.37	
		<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	268.42	
		<i>For Seamless Edge (Welded), Add</i>	134.21	
		<i>For Steel Stiffened, Add</i>	268.42	
08 13 13 13-0158	PR	Pair 2'-8" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,217.44	63.86
		<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	326.92	
		<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	435.89	
		<i>For Type 304 Stainless Steel Door, Add</i>	878.16	
		<i>For Type 316 Stainless Steel Door, Add</i>	1,423.02	
		<i>For Embossed Panel, Add</i>	261.53	
		<i>For Galvanized Steel, Add</i>	163.46	
		<i>For Baked Enamel Finish, Add</i>	403.55	
		<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
		<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
		<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
		<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
		<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-64.07	
		<i>For >100, Deduct</i>	-94.50	
		<i>For 2" Thick Door, Add</i>	82.20	
		<i>For Insulated Door (Polystyrene Core), Add</i>	108.97	
		<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	272.43	
		<i>For Seamless Edge (Welded), Add</i>	136.22	
		<i>For Steel Stiffened, Add</i>	272.43	
08 13 13 13-0159	PR	Pair 2'-10" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,210.11	56.99
		<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	328.84	
		<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	438.45	
		<i>For Type 304 Stainless Steel Door, Add</i>	882.60	
		<i>For Type 316 Stainless Steel Door, Add</i>	1,430.67	
		<i>For Embossed Panel, Add</i>	263.07	
		<i>For Galvanized Steel, Add</i>	164.42	
		<i>For Baked Enamel Finish, Add</i>	397.23	
		<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
		<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
		<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
		<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
		<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-63.36	
		<i>For >100, Deduct</i>	-93.61	
		<i>For 2" Thick Door, Add</i>	82.32	
		<i>For Insulated Door (Polystyrene Core), Add</i>	109.61	
		<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	274.03	
		<i>For Seamless Edge (Welded), Add</i>	137.02	
		<i>For Steel Stiffened, Add</i>	274.03	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0160 PR Pair 3' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	1,235.81	66.64
For 16 Gauge, Grade III, Extra Heavy Duty, Add	330.76	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	441.02	
For Type 304 Stainless Steel Door, Add	888.70	
For Type 316 Stainless Steel Door, Add	1,439.97	
For Embossed Panel, Add	264.61	
For Galvanized Steel, Add	165.38	
For Baked Enamel Finish, Add	410.72	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-65.12	
For >100, Deduct	-96.02	
For 2" Thick Door, Add	83.27	
For Insulated Door (Polystyrene Core), Add	110.25	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	275.64	
For Seamless Edge (Welded), Add	137.82	
For Steel Stiffened, Add	275.64	
08 13 13 13-0161 PR Pair 3'-6" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,356.74	69.41
For 16 Gauge, Grade III, Extra Heavy Duty, Add	365.38	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	487.17	
For Type 304 Stainless Steel Door, Add	981.28	
For Type 316 Stainless Steel Door, Add	1,590.24	
For Embossed Panel, Add	292.30	
For Galvanized Steel, Add	182.69	
For Baked Enamel Finish, Add	448.67	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-71.31	
For >100, Deduct	-105.23	
For 2" Thick Door, Add	91.77	
For Insulated Door (Polystyrene Core), Add	121.79	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	304.48	
For Seamless Edge (Welded), Add	152.24	
For Steel Stiffened, Add	304.48	
08 13 13 13-0162 PR Pair 4' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	1,496.05	74.96
For 16 Gauge, Grade III, Extra Heavy Duty, Add	403.84	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	538.45	
For Type 304 Stainless Steel Door, Add	1,084.39	
For Type 316 Stainless Steel Door, Add	1,757.45	
For Embossed Panel, Add	323.07	
For Galvanized Steel, Add	201.92	
For Baked Enamel Finish, Add	493.79	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-78.55	
For >100, Deduct	-115.95	
For 2" Thick Door, Add	101.34	
For Insulated Door (Polystyrene Core), Add	134.61	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	336.53	
For Seamless Edge (Welded), Add	168.27	
For Steel Stiffened, Add	336.53	
08 13 13 13-0163 8' High <small>(08 13 13 13-0114)</small>		
08 13 13 13-0164 EA 2' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	688.71	32.15
For 16 Gauge, Grade III, Extra Heavy Duty, Add	187.32	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	249.76	
For Up To 1' Extra Height, Add	172.77	
For Type 304 Stainless Steel Door, Add	502.74	
For Type 316 Stainless Steel Door, Add	814.95	
For Embossed Panel, Add	149.86	
For Galvanized Steel, Add	93.66	
For Baked Enamel Finish, Add	225.90	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-36.04	
For >100, Deduct	-53.26	
For 2" Thick Door, Add	46.88	
For Insulated Door (Polystyrene Core), Add	62.44	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	156.10	
For Seamless Edge (Welded), Add	78.05	
For Steel Stiffened, Add	156.10	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR TOTAL DIRECT DEMOLITION
 CSI UOM DESCRIPTION UNIT COST UNIT COST

08 13 13 13-0165	EA 2'-4" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	688.71	32.15
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	187.32	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	249.76	
	For Up To 1' Extra Height, Add	172.77	
	For Type 304 Stainless Steel Door, Add	502.74	
	For Type 316 Stainless Steel Door, Add	814.95	
	For Embossed Panel, Add	149.86	
	For Galvanized Steel, Add	93.66	
	For Baked Enamel Finish, Add	225.90	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-36.04	
	For >100, Deduct	-53.26	
	For 2" Thick Door, Add	46.88	
	For Insulated Door (Polystyrene Core), Add	62.44	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	156.10	
	For Seamless Edge (Welded), Add	78.05	
	For Steel Stiffened, Add	156.10	
08 13 13 13-0166	EA 2'-6" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	704.40	33.61
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	191.15	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	254.87	
	For Up To 1' Extra Height, Add	176.31	
	For Type 304 Stainless Steel Door, Add	513.11	
	For Type 316 Stainless Steel Door, Add	831.70	
	For Embossed Panel, Add	152.92	
	For Galvanized Steel, Add	95.58	
	For Baked Enamel Finish, Add	231.49	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-36.90	
	For >100, Deduct	-54.51	
	For 2" Thick Door, Add	47.88	
	For Insulated Door (Polystyrene Core), Add	63.72	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	159.30	
	For Seamless Edge (Welded), Add	79.65	
	For Steel Stiffened, Add	159.30	
08 13 13 13-0167	EA 2'-8" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	713.91	33.61
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	194.01	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	258.68	
	For Up To 1' Extra Height, Add	178.94	
	For Type 304 Stainless Steel Door, Add	520.71	
	For Type 316 Stainless Steel Door, Add	844.06	
	For Embossed Panel, Add	155.21	
	For Galvanized Steel, Add	97.00	
	For Baked Enamel Finish, Add	234.34	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-37.38	
	For >100, Deduct	-55.22	
	For 2" Thick Door, Add	48.57	
	For Insulated Door (Polystyrene Core), Add	64.67	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	161.67	
	For Seamless Edge (Welded), Add	80.84	
	For Steel Stiffened, Add	161.67	
08 13 13 13-0168	EA 2'-10" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	719.18	34.34
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	195.15	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	260.20	
	For Up To 1' Extra Height, Add	179.99	
	For Type 304 Stainless Steel Door, Add	523.83	
	For Type 316 Stainless Steel Door, Add	849.07	
	For Embossed Panel, Add	156.12	
	For Galvanized Steel, Add	97.57	
	For Baked Enamel Finish, Add	236.36	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-37.68	
	For >100, Deduct	-55.66	
	For 2" Thick Door, Add	48.88	
	For Insulated Door (Polystyrene Core), Add	65.05	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	162.62	
	For Seamless Edge (Welded), Add	81.31	
	For Steel Stiffened, Add	162.62	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0169	EA	3' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	724.43	35.07
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	196.29	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	261.72	
			<i>For Up To 1' Extra Height, Add</i>	181.04	
			<i>For Type 304 Stainless Steel Door, Add</i>	526.94	
			<i>For Type 316 Stainless Steel Door, Add</i>	854.08	
			<i>For Embossed Panel, Add</i>	157.03	
			<i>For Galvanized Steel, Add</i>	98.14	
			<i>For Baked Enamel Finish, Add</i>	238.37	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-37.98	
			<i>For >100, Deduct</i>	-56.09	
			<i>For 2" Thick Door, Add</i>	49.19	
			<i>For Insulated Door (Polystyrene Core), Add</i>	65.43	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	163.57	
			<i>For Seamless Edge (Welded), Add</i>	81.79	
			<i>For Steel Stiffened, Add</i>	163.57	
08 13 13	13-0170	EA	3'-4" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	773.89	35.07
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	211.13	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	281.50	
			<i>For Up To 1' Extra Height, Add</i>	194.73	
			<i>For Type 304 Stainless Steel Door, Add</i>	566.51	
			<i>For Type 316 Stainless Steel Door, Add</i>	918.38	
			<i>For Embossed Panel, Add</i>	168.90	
			<i>For Galvanized Steel, Add</i>	105.56	
			<i>For Baked Enamel Finish, Add</i>	253.21	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-40.45	
			<i>For >100, Deduct</i>	-59.80	
			<i>For 2" Thick Door, Add</i>	52.78	
			<i>For Insulated Door (Polystyrene Core), Add</i>	70.38	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	175.94	
			<i>For Seamless Edge (Welded), Add</i>	87.97	
			<i>For Steel Stiffened, Add</i>	175.94	
08 13 13	13-0171	EA	3'-6" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	795.84	36.53
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	216.83	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	289.11	
			<i>For Up To 1' Extra Height, Add</i>	199.99	
			<i>For 1' To 1'-6" Extra Height, Add</i>	381.55	
			<i>For Type 304 Stainless Steel Door, Add</i>	581.87	
			<i>For Type 316 Stainless Steel Door, Add</i>	943.25	
			<i>For Embossed Panel, Add</i>	173.46	
			<i>For Galvanized Steel, Add</i>	108.42	
			<i>For Baked Enamel Finish, Add</i>	260.67	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-41.62	
			<i>For >100, Deduct</i>	-61.51	
			<i>For 2" Thick Door, Add</i>	54.23	
			<i>For Insulated Door (Polystyrene Core), Add</i>	72.28	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	180.69	
			<i>For Seamless Edge (Welded), Add</i>	90.35	
			<i>For Steel Stiffened, Add</i>	180.69	
08 13 13	13-0172	EA	4' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	877.76	39.46
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	239.66	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	319.54	
			<i>For Up To 1' Extra Height, Add</i>	221.04	
			<i>For 1' To 1'-6" Extra Height, Add</i>	421.71	
			<i>For Type 304 Stainless Steel Door, Add</i>	643.03	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,042.45	
			<i>For Embossed Panel, Add</i>	191.72	
			<i>For Galvanized Steel, Add</i>	119.83	
			<i>For Baked Enamel Finish, Add</i>	287.00	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-45.86	
			<i>For >100, Deduct</i>	-67.80	
			<i>For 2" Thick Door, Add</i>	59.89	
			<i>For Insulated Door (Polystyrene Core), Add</i>	79.89	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	199.71	
			<i>For Seamless Edge (Welded), Add</i>	99.86	
			<i>For Steel Stiffened, Add</i>	199.71	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0173	PR Pair 2'-6" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,402.08	63.86
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	382.31	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	509.74	
	For Up To 1' Extra Height, Add	352.62	
	For Type 304 Stainless Steel Door, Add	1,025.87	
	For Type 316 Stainless Steel Door, Add	1,663.05	
	For Embossed Panel, Add	305.85	
	For Galvanized Steel, Add	191.15	
	For Baked Enamel Finish, Add	458.94	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-73.30	
	For >100, Deduct	-108.35	
	For 2" Thick Door, Add	95.58	
	For Insulated Door (Polystyrene Core), Add	127.44	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	318.59	
	For Seamless Edge (Welded), Add	159.30	
	For Steel Stiffened, Add	318.59	
08 13 13 13-0174	PR Pair 2'-8" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,421.10	63.86
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	388.01	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	517.35	
	For Up To 1' Extra Height, Add	357.88	
	For Type 304 Stainless Steel Door, Add	1,041.09	
	For Type 316 Stainless Steel Door, Add	1,687.78	
	For Embossed Panel, Add	310.41	
	For Galvanized Steel, Add	194.01	
	For Baked Enamel Finish, Add	464.65	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-74.25	
	For >100, Deduct	-109.78	
	For 2" Thick Door, Add	96.96	
	For Insulated Door (Polystyrene Core), Add	129.34	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	323.35	
	For Seamless Edge (Welded), Add	161.67	
	For Steel Stiffened, Add	323.35	
08 13 13 13-0175	PR Pair 2'-10" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,414.97	56.99
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	390.30	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	520.40	
	For Up To 1' Extra Height, Add	359.98	
	For Type 304 Stainless Steel Door, Add	1,046.49	
	For Type 316 Stainless Steel Door, Add	1,696.99	
	For Embossed Panel, Add	312.24	
	For Galvanized Steel, Add	195.15	
	For Baked Enamel Finish, Add	458.69	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-73.60	
	For >100, Deduct	-108.97	
	For 2" Thick Door, Add	97.17	
	For Insulated Door (Polystyrene Core), Add	130.10	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	325.25	
	For Seamless Edge (Welded), Add	162.62	
	For Steel Stiffened, Add	325.25	
08 13 13 13-0176	PR Pair 3' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,441.87	66.64
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	392.58	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	523.44	
	For Up To 1' Extra Height, Add	362.09	
	For 1" To 1'-6" Extra Height, Add	690.81	
	For Type 304 Stainless Steel Door, Add	1,053.54	
	For Type 316 Stainless Steel Door, Add	1,707.84	
	For Embossed Panel, Add	314.06	
	For Galvanized Steel, Add	196.29	
	For Baked Enamel Finish, Add	472.54	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-75.43	
	For >100, Deduct	-111.47	
	For 2" Thick Door, Add	98.21	
	For Insulated Door (Polystyrene Core), Add	130.86	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	327.15	
	For Seamless Edge (Welded), Add	163.58	
	For Steel Stiffened, Add	327.15	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0177 PR Pair 3'-6" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,584.36	69.41
For 16 Gauge, Grade III, Extra Heavy Duty, Add	433.66	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	578.22	
For Up To 1' Extra Height, Add	399.98	
For 1' To 1'-6" Extra Height, Add	763.10	
For Type 304 Stainless Steel Door, Add	1,163.37	
For Type 316 Stainless Steel Door, Add	1,886.14	
For Embossed Panel, Add	346.93	
For Galvanized Steel, Add	216.83	
For Baked Enamel Finish, Add	516.95	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-82.69	
For >100, Deduct	-122.30	
For 2" Thick Door, Add	108.27	
For Insulated Door (Polystyrene Core), Add	144.55	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	361.39	
For Seamless Edge (Welded), Add	180.69	
For Steel Stiffened, Add	361.39	
08 13 13 13-0178 PR Pair 4' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,747.63	74.96
For 1' To 1'-6" Extra Height, Add	843.43	
For Seamless Edge (Welded), Add	199.71	
For Steel Stiffened, Add	399.43	

08 14 Wood Doors (08 10)

Note: Includes machining for all hardware, except mortised locks. Excludes finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 14 16 Flush Wood Doors (08 14)

08 14 16 00-0001 Hollow Core Doors, 1-3/8" Thick (08 14 16)

08 14 16 00-0002 Birch Faced (08 14 16 00-0001)

08 14 16 00-0003 EA 2'-0" Or 2'-4" x 7' x 1-3/8" Hollow Core, Birch Faced Door.....	203.78	32.15
For Each 1' Of Additional Door Height, Add	33.48	
For >50 To 100, Deduct	-11.80	
For >100, Deduct	-16.89	
08 14 16 00-0004 EA 2'-6" x 7' x 1-3/8" Hollow Core, Birch Faced Door.....	216.59	33.61
For Each 1' Of Additional Door Height, Add	35.85	
For >50 To 100, Deduct	-12.51	
For >100, Deduct	-17.92	
08 14 16 00-0005 EA 2'-8" x 7' x 1-3/8" Hollow Core, Birch Faced Door.....	223.86	33.61
For Each 1' Of Additional Door Height, Add	37.59	
For >50 To 100, Deduct	-12.87	
For >100, Deduct	-18.47	
08 14 16 00-0006 EA 3' x 7' x 1-3/8" Hollow Core, Birch Faced Door.....	229.32	35.07
For Each 1' Of Additional Door Height, Add	38.20	
For >50 To 100, Deduct	-13.22	
For >100, Deduct	-18.95	
08 14 16 00-0007 EA 3'-4" x 7' x 1-3/8" Hollow Core, Birch Faced Door.....	244.87	35.07
For Each 1' Of Additional Door Height, Add	41.94	
For >50 To 100, Deduct	-14.00	
For >100, Deduct	-20.12	
08 14 16 00-0008 EA 3'-6" x 7' x 1-3/8" Hollow Core, Birch Faced Door.....	258.98	36.53
For Each 1' Of Additional Door Height, Add	44.62	
For >50 To 100, Deduct	-14.78	
For >100, Deduct	-21.25	
08 14 16 00-0009 PR Pair 2' x 7' x 1-3/8" Hollow Core, Birch Faced Door.....	401.13	61.09
For Each 1' Of Additional Door Height, Add	66.95	
For >50 To 100, Deduct	-23.11	
For >100, Deduct	-33.14	
08 14 16 00-0010 PR Pair 2'-6" x 7' x 1-3/8" Hollow Core, Birch Faced Door.....	426.45	63.86
For Each 1' Of Additional Door Height, Add	71.70	
For >50 To 100, Deduct	-24.52	
For >100, Deduct	-35.18	
08 14 16 00-0011 PR Pair 3' x 7' x 1-3/8" Hollow Core, Birch Faced Door.....	451.63	66.64
For Each 1' Of Additional Door Height, Add	76.41	
For >50 To 100, Deduct	-25.91	
For >100, Deduct	-37.20	

08 14 16 00-0012 Lauan Faced (08 14 16 00-0001)

08 14 16 00-0013 EA 2'-0" Or 2'-4" x 7' x 1-3/8" Hollow Core, Lauan Faced Door.....	168.59	32.15
For Each 1' Of Additional Door Height, Add	25.03	
For >50 To 100, Deduct	-10.04	
For >100, Deduct	-14.25	
08 14 16 00-0014 EA 2'-6" x 7' x 1-3/8" Hollow Core, Lauan Faced Door.....	178.58	33.61
For Each 1' Of Additional Door Height, Add	26.73	
For >50 To 100, Deduct	-10.61	
For >100, Deduct	-15.07	

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0015	EA		2'-8" x 7' x 1-3/8" Hollow Core, Luan Faced Door.....	184.54	33.61
			<i>For Each 1' Of Additional Door Height, Add</i>	28.16	
			<i>For >50 To 100, Deduct</i>	-10.91	
			<i>For >100, Deduct</i>	-15.52	
08 14 16 00-0016	EA		3' x 7' x 1-3/8" Hollow Core, Luan Faced Door.....	191.67	35.07
			<i>For Each 1' Of Additional Door Height, Add</i>	29.17	
			<i>For >50 To 100, Deduct</i>	-11.34	
			<i>For >100, Deduct</i>	-16.13	
08 14 16 00-0017	EA		3'-4" x 7' x 1-3/8" Hollow Core, Luan Faced Door.....	203.29	35.07
			<i>For Each 1' Of Additional Door Height, Add</i>	31.96	
			<i>For >50 To 100, Deduct</i>	-11.92	
			<i>For >100, Deduct</i>	-17.00	
08 14 16 00-0018	EA		3'-6" x 7' x 1-3/8" Hollow Core, Luan Faced Door.....	214.75	36.53
			<i>For Each 1' Of Additional Door Height, Add</i>	34.00	
			<i>For >50 To 100, Deduct</i>	-12.56	
			<i>For >100, Deduct</i>	-17.93	
08 14 16 00-0019	PR		Pair 2' x 7' x 1-3/8" Hollow Core, Luan Faced Door.....	330.74	61.09
			<i>For Each 1' Of Additional Door Height, Add</i>	50.06	
			<i>For >50 To 100, Deduct</i>	-19.59	
			<i>For >100, Deduct</i>	-27.86	
08 14 16 00-0020	PR		Pair 2'-6" x 7' x 1-3/8" Hollow Core, Luan Faced Door.....	350.46	63.86
			<i>For Each 1' Of Additional Door Height, Add</i>	53.46	
			<i>For >50 To 100, Deduct</i>	-20.72	
			<i>For >100, Deduct</i>	-29.48	
08 14 16 00-0021	PR		Pair 3' x 7' x 1-3/8" Hollow Core, Luan Faced Door.....	376.37	66.64
			<i>For Each 1' Of Additional Door Height, Add</i>	58.34	
			<i>For >50 To 100, Deduct</i>	-22.15	
			<i>For >100, Deduct</i>	-31.56	
08 14 16 00-0022			Tempered Hardboard Faced (08 14 16 00-0001)		
08 14 16 00-0023	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	171.41	32.15
			<i>For Each 1' Of Additional Door Height, Add</i>	25.71	
			<i>For >50 To 100, Deduct</i>	-10.18	
			<i>For >100, Deduct</i>	-14.46	
08 14 16 00-0024	EA		2'-6" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	182.14	33.61
			<i>For Each 1' Of Additional Door Height, Add</i>	27.58	
			<i>For >50 To 100, Deduct</i>	-10.79	
			<i>For >100, Deduct</i>	-15.34	
08 14 16 00-0025	EA		2'-8" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	185.85	33.61
			<i>For Each 1' Of Additional Door Height, Add</i>	28.47	
			<i>For >50 To 100, Deduct</i>	-10.97	
			<i>For >100, Deduct</i>	-15.62	
08 14 16 00-0026	EA		3' x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	196.18	35.07
			<i>For Each 1' Of Additional Door Height, Add</i>	30.25	
			<i>For >50 To 100, Deduct</i>	-11.56	
			<i>For >100, Deduct</i>	-16.47	
08 14 16 00-0027	EA		3'-4" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	210.04	35.07
			<i>For Each 1' Of Additional Door Height, Add</i>	33.58	
			<i>For >50 To 100, Deduct</i>	-12.26	
			<i>For >100, Deduct</i>	-17.51	
08 14 16 00-0028	EA		3'-6" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	221.92	36.53
			<i>For Each 1' Of Additional Door Height, Add</i>	35.72	
			<i>For >50 To 100, Deduct</i>	-12.92	
			<i>For >100, Deduct</i>	-18.47	
08 14 16 00-0029	PR		Pair 2' x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	336.39	61.09
			<i>For Each 1' Of Additional Door Height, Add</i>	51.42	
			<i>For >50 To 100, Deduct</i>	-19.87	
			<i>For >100, Deduct</i>	-28.28	
08 14 16 00-0030	PR		Pair 2'-6" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	357.56	63.86
			<i>For Each 1' Of Additional Door Height, Add</i>	55.16	
			<i>For >50 To 100, Deduct</i>	-21.07	
			<i>For >100, Deduct</i>	-30.01	
08 14 16 00-0031	PR		Pair 3' x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	385.36	66.64
			<i>For Each 1' Of Additional Door Height, Add</i>	60.50	
			<i>For >50 To 100, Deduct</i>	-22.60	
			<i>For >100, Deduct</i>	-32.23	
08 14 16 00-0032			Solid Core Doors, 1-3/8" Thick, 5 Ply (08 14 16)		
08 14 16 00-0033			Birch Faced (08 14 16 00-0032)		
08 14 16 00-0034	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Solid Core, Birch Faced Door.....	241.89	32.15
			<i>For 7 Ply Core, Add</i>	26.64	
			<i>For Solid Wood Staved Core (Glued Block), Add</i>	44.40	
			<i>Note: Not used in conjunction with fire rating >20 minutes.</i>		
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	42.62	
			<i>For >50 To 100, Deduct</i>	-13.70	
			<i>For >100, Deduct</i>	-19.75	



Openings	08	08
Doors And Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0035 EA 2'-6" x 7' x 1-3/8" Solid Core, Birch Faced Door	254.15	33.61
For 7 Ply Core, Add	28.04	
For Solid Wood Staved Core (Glued Block), Add	46.73	
Note: Not used in conjunction with fire rating >20 minutes.		
For Machining for Mortise Lock, Add	35.00	
For Each 1' Of Additional Door Height, Add	44.86	
For >50 To 100, Deduct	-14.39	
For >100, Deduct	-20.74	
08 14 16 00-0036 EA 2'-8" x 7' x 1-3/8" Solid Core, Birch Faced Door	263.47	33.61
For 7 Ply Core, Add	29.44	
For Solid Wood Staved Core (Glued Block), Add	49.06	
Note: Not used in conjunction with fire rating >20 minutes.		
For Machining for Mortise Lock, Add	35.00	
For Each 1' Of Additional Door Height, Add	47.10	
For >50 To 100, Deduct	-14.85	
For >100, Deduct	-21.44	
08 14 16 00-0037 EA 3' x 7' x 1-3/8" Solid Core, Birch Faced Door	277.77	35.07
For 7 Ply Core, Add	31.14	
For Solid Wood Staved Core (Glued Block), Add	51.91	
Note: Not used in conjunction with fire rating >20 minutes.		
For Machining for Mortise Lock, Add	35.00	
For Each 1' Of Additional Door Height, Add	49.83	
For >50 To 100, Deduct	-15.64	
For >100, Deduct	-22.59	
08 14 16 00-0038 EA 3'-4" x 7' x 1-3/8" Solid Core, Birch Faced Door	300.55	35.07
For 7 Ply Core, Add	34.56	
For Solid Wood Staved Core (Glued Block), Add	57.60	
Note: Not used in conjunction with fire rating >20 minutes.		
For Machining for Mortise Lock, Add	35.00	
For Each 1' Of Additional Door Height, Add	55.30	
For >50 To 100, Deduct	-16.78	
For >100, Deduct	-24.29	
08 14 16 00-0039 EA 3'-6" x 7' x 1-3/8" Solid Core, Birch Faced Door	318.21	36.53
For 7 Ply Core, Add	36.77	
For Solid Wood Staved Core (Glued Block), Add	61.29	
Note: Not used in conjunction with fire rating >20 minutes.		
For Machining for Mortise Lock, Add	35.00	
For Each 1' Of Additional Door Height, Add	58.83	
For >50 To 100, Deduct	-17.74	
For >100, Deduct	-25.69	
08 14 16 00-0040 PR Pair 2' x 7' x 1-3/8" Solid Core, Birch Faced Door.....	477.34	61.09
For 7 Ply Core, Add	53.28	
For Solid Wood Staved Core (Glued Block), Add	88.80	
Note: Not used in conjunction with fire rating >20 minutes.		
For Machining for Mortise Lock, Add	35.00	
For Each 1' Of Additional Door Height, Add	85.24	
For >50 To 100, Deduct	-26.92	
For >100, Deduct	-38.85	
08 14 16 00-0041 PR Pair 2'-6" x 7' x 1-3/8" Solid Core, Birch Faced Door	501.57	63.86
For 7 Ply Core, Add	56.08	
For Solid Wood Staved Core (Glued Block), Add	93.46	
Note: Not used in conjunction with fire rating >20 minutes.		
For Machining for Mortise Lock, Add	35.00	
For Each 1' Of Additional Door Height, Add	89.72	
For >50 To 100, Deduct	-28.27	
For >100, Deduct	-40.81	
08 14 16 00-0042 PR Pair 3' x 7' x 1-3/8" Solid Core, Birch Faced Door.....	548.53	66.64
For 7 Ply Core, Add	62.29	
For Solid Wood Staved Core (Glued Block), Add	103.82	
Note: Not used in conjunction with fire rating >20 minutes.		
For Machining for Mortise Lock, Add	35.00	
For Each 1' Of Additional Door Height, Add	99.66	
For >50 To 100, Deduct	-30.76	
For >100, Deduct	-44.47	
08 14 16 00-0043 Luan Faced <small>(08 14 16 00-0032)</small>		
08 14 16 00-0044 EA 2'-0" Or 2'-4" x 7' x 1-3/8" Solid Core, Luan Faced Door.....	196.56	32.15
For 7 Ply Core, Add	19.84	
For Machining for Mortise Lock, Add	35.00	
For Each 1' Of Additional Door Height, Add	31.74	
For >50 To 100, Deduct	-11.44	
For >100, Deduct	-16.35	
08 14 16 00-0045 EA 2'-6" x 7' x 1-3/8" Solid Core, Luan Faced Door.....	206.73	33.61
For 7 Ply Core, Add	20.93	
For Machining for Mortise Lock, Add	35.00	
For Each 1' Of Additional Door Height, Add	33.48	
For >50 To 100, Deduct	-12.02	
For >100, Deduct	-17.19	
08 14 16 00-0046 EA 2'-8" x 7' x 1-3/8" Solid Core, Luan Faced Door.....	214.02	33.61
For 7 Ply Core, Add	22.02	
For Machining for Mortise Lock, Add	35.00	
For Each 1' Of Additional Door Height, Add	35.23	
For >50 To 100, Deduct	-12.38	
For >100, Deduct	-17.73	

08 Openings
08 10 Doors And Frames
08 14 Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0047	EA		3' x 7' x 1-3/8" Solid Core, Lauan Faced Door	224.28	35.07
			<i>For 7 Ply Core, Add</i>	23.12	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	36.99	
			<i>For >50 To 100, Deduct</i>	-12.97	
			<i>For >100, Deduct</i>	-18.57	
08 14 16 00-0048	EA		3'-4" x 7' x 1-3/8" Solid Core, Lauan Faced Door	241.23	35.07
			<i>For 7 Ply Core, Add</i>	25.66	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	41.06	
			<i>For >50 To 100, Deduct</i>	-13.82	
			<i>For >100, Deduct</i>	-19.85	
08 14 16 00-0049	EA		3'-6" x 7' x 1-3/8" Solid Core, Lauan Faced Door	257.54	36.53
			<i>For 7 Ply Core, Add</i>	27.67	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	44.27	
			<i>For >50 To 100, Deduct</i>	-14.70	
			<i>For >100, Deduct</i>	-21.14	
08 14 16 00-0050	PR		Pair 2' x 7' x 1-3/8" Solid Core, Lauan Faced Door	386.69	61.09
			<i>For 7 Ply Core, Add</i>	39.68	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	63.49	
			<i>For >50 To 100, Deduct</i>	-22.39	
			<i>For >100, Deduct</i>	-32.06	
08 14 16 00-0051	PR		Pair 2'-6" x 7' x 1-3/8" Solid Core, Lauan Faced Door	406.74	63.86
			<i>For 7 Ply Core, Add</i>	41.85	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	66.96	
			<i>For >50 To 100, Deduct</i>	-23.53	
			<i>For >100, Deduct</i>	-33.70	
08 14 16 00-0052	PR		Pair 3' x 7' x 1-3/8" Solid Core, Lauan Faced Door	441.54	66.64
			<i>For 7 Ply Core, Add</i>	46.24	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	73.98	
			<i>For >50 To 100, Deduct</i>	-25.41	
			<i>For >100, Deduct</i>	-36.45	
08 14 16 00-0053			Tempered Hardboard Faced <small>(08 14 16 00-0032)</small>		
08 14 16 00-0054	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Solid Core, Hardboard Faced Door	213.66	32.15
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	35.85	
			<i>For >50 To 100, Deduct</i>	-12.29	
			<i>For >100, Deduct</i>	-17.63	
08 14 16 00-0055	EA		2'-8" x 7' x 1-3/8" Solid Core, Hardboard Faced Door	225.26	33.61
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	37.93	
			<i>For >50 To 100, Deduct</i>	-12.94	
			<i>For >100, Deduct</i>	-18.58	
08 14 16 00-0056	EA		2'-8" x 7' x 1-3/8" Solid Core, Hardboard Faced Door	233.91	33.61
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	40.01	
			<i>For >50 To 100, Deduct</i>	-13.38	
			<i>For >100, Deduct</i>	-19.22	
08 14 16 00-0057	EA		3' x 7' x 1-3/8" Solid Core, Hardboard Faced Door	240.03	35.07
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	40.77	
			<i>For >50 To 100, Deduct</i>	-13.76	
			<i>For >100, Deduct</i>	-19.76	
08 14 16 00-0058	EA		3'-4" x 7' x 1-3/8" Solid Core, Hardboard Faced Door	258.77	35.07
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	45.27	
			<i>For >50 To 100, Deduct</i>	-14.69	
			<i>For >100, Deduct</i>	-21.16	
08 14 16 00-0059	EA		3'-6" x 7' x 1-3/8" Solid Core, Hardboard Faced Door	295.88	36.53
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	53.47	
			<i>For >50 To 100, Deduct</i>	-16.62	
			<i>For >100, Deduct</i>	-24.02	
08 14 16 00-0060	PR		Pair 2' x 7' x 1-3/8" Solid Core, Hardboard Faced Door	420.89	61.09
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	71.70	
			<i>For >50 To 100, Deduct</i>	-24.10	
			<i>For >100, Deduct</i>	-34.62	
08 14 16 00-0061	PR		Pair 2'-6" x 7' x 1-3/8" Solid Core, Hardboard Faced Door	443.76	63.86
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	75.85	
			<i>For >50 To 100, Deduct</i>	-25.38	
			<i>For >100, Deduct</i>	-36.48	
08 14 16 00-0062	PR		Pair 3' x 7' x 1-3/8" Solid Core, Hardboard Faced Door	473.06	66.64
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	81.55	
			<i>For >50 To 100, Deduct</i>	-26.98	
			<i>For >100, Deduct</i>	-38.81	



Openings	08	08
Doors And Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0063 Plastic Laminated Wood Doors <small>(08 14 16 00-0032)</small>		
08 14 16 00-0064 EA 2'-0" Or 2'-4" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door	373.66	32.15
For Machining for Mortise Lock, Add	35.00	
For Each 1' Of Additional Door Height, Add	74.25	
For >50 To 100, Deduct	-20.29	
For >100, Deduct	-29.63	
08 14 16 00-0065 EA 2'-6" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door	393.60	33.61
For Machining for Mortise Lock, Add	35.00	
For Each 1' Of Additional Door Height, Add	78.33	
For >50 To 100, Deduct	-21.36	
For >100, Deduct	-31.20	
08 14 16 00-0066 EA 2'-8" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door	410.60	33.61
For Machining for Mortise Lock, Add	35.00	
For Each 1' Of Additional Door Height, Add	82.41	
For >50 To 100, Deduct	-22.21	
For >100, Deduct	-32.48	
08 14 16 00-0067 EA 3' x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door	430.65	35.07
For Machining for Mortise Lock, Add	35.00	
For Each 1' Of Additional Door Height, Add	86.52	
For >50 To 100, Deduct	-23.29	
For >100, Deduct	-34.05	
08 14 16 00-0068 EA 3'-4" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door	470.29	35.07
For Machining for Mortise Lock, Add	35.00	
For Each 1' Of Additional Door Height, Add	96.04	
For >50 To 100, Deduct	-25.27	
For >100, Deduct	-37.03	
08 14 16 00-0069 EA 3'-6" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door	498.83	36.53
For Machining for Mortise Lock, Add	35.00	
For Each 1' Of Additional Door Height, Add	102.18	
For >50 To 100, Deduct	-26.77	
For >100, Deduct	-39.24	
08 14 16 00-0070 PR Pair 2' x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door	740.90	61.09
For Machining for Mortise Lock, Add	35.00	
For Each 1' Of Additional Door Height, Add	148.50	
For >50 To 100, Deduct	-40.10	
For >100, Deduct	-58.62	
08 14 16 00-0071 PR Pair 2'-6" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door	780.41	63.86
For Machining for Mortise Lock, Add	35.00	
For Each 1' Of Additional Door Height, Add	156.65	
For >50 To 100, Deduct	-42.21	
For >100, Deduct	-61.72	
08 14 16 00-0072 PR Pair 3' x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door	854.29	66.64
For Machining for Mortise Lock, Add	35.00	
For Each 1' Of Additional Door Height, Add	173.04	
For >50 To 100, Deduct	-46.05	
For >100, Deduct	-67.40	
08 14 16 00-0073 Hollow Core Doors, 1-3/4" Thick <small>(08 14 16)</small>		
08 14 16 00-0074 Birch Faced <small>(08 14 16 00-0073)</small>		
08 14 16 00-0075 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Hollow Core, Birch Faced Door	238.64	32.15
For Each 1' Of Additional Door Height, Add	41.84	
For >50 To 100, Deduct	-13.54	
For >100, Deduct	-19.51	
08 14 16 00-0076 EA 2'-6" x 7' x 1-3/4" Hollow Core, Birch Faced Door	248.12	33.61
For Each 1' Of Additional Door Height, Add	43.42	
For >50 To 100, Deduct	-14.09	
For >100, Deduct	-20.29	
08 14 16 00-0077 EA 2'-8" x 7' x 1-3/4" Hollow Core, Birch Faced Door	250.58	33.61
For Each 1' Of Additional Door Height, Add	44.01	
For >50 To 100, Deduct	-14.21	
For >100, Deduct	-20.47	
08 14 16 00-0078 EA 3' x 7' x 1-3/4" Hollow Core, Birch Faced Door	264.21	35.07
For Each 1' Of Additional Door Height, Add	46.58	
For >50 To 100, Deduct	-14.96	
For >100, Deduct	-21.57	
08 14 16 00-0079 EA 3'-4" x 7' x 1-3/4" Hollow Core, Birch Faced Door	292.68	35.07
For Each 1' Of Additional Door Height, Add	53.41	
For >50 To 100, Deduct	-16.39	
For >100, Deduct	-23.70	
08 14 16 00-0080 EA 3'-6" x 7' x 1-3/4" Hollow Core, Birch Faced Door	353.37	36.53
For Each 1' Of Additional Door Height, Add	67.27	
For >50 To 100, Deduct	-19.50	
For >100, Deduct	-28.33	
08 14 16 00-0081 PR Pair 2'-6" x 7' x 1-3/4" Hollow Core, Birch Faced Door	470.85	61.09
For Each 1' Of Additional Door Height, Add	83.69	
For >50 To 100, Deduct	-26.60	
For >100, Deduct	-38.37	
08 14 16 00-0082 PR Pair 2'-6" x 7' x 1-3/4" Hollow Core, Birch Faced Door	489.56	63.86
For Each 1' Of Additional Door Height, Add	86.84	
For >50 To 100, Deduct	-27.67	
For >100, Deduct	-39.91	

08 Openings
08 10 Doors And Frames
08 14 Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0083	PR		Pair 3' x 7' x 1-3/4" Hollow Core, Birch Faced Door.....	521.41	66.64
			<i>For Each 1' Of Additional Door Height, Add</i>	93.15	
			<i>For >50 To 100, Deduct</i>	-29.40	
			<i>For >100, Deduct</i>	-42.44	
08 14 16 00-0084			Lauan Faced <small>(08 14 16 00-0073)</small>		
08 14 16 00-0085	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Hollow Core, Lauan Faced Door.....	196.78	32.15
			<i>For Each 1' Of Additional Door Height, Add</i>	31.80	
			<i>For >50 To 100, Deduct</i>	-11.45	
			<i>For >100, Deduct</i>	-16.37	
08 14 16 00-0086	EA		2'-6" x 7' x 1-3/4" Hollow Core, Lauan Faced Door.....	208.83	33.61
			<i>For Each 1' Of Additional Door Height, Add</i>	33.99	
			<i>For >50 To 100, Deduct</i>	-12.12	
			<i>For >100, Deduct</i>	-17.34	
08 14 16 00-0087	EA		2'-8" x 7' x 1-3/4" Hollow Core, Lauan Faced Door.....	216.24	33.61
			<i>For Each 1' Of Additional Door Height, Add</i>	35.76	
			<i>For >50 To 100, Deduct</i>	-12.49	
			<i>For >100, Deduct</i>	-17.90	
08 14 16 00-0088	EA		3' x 7' x 1-3/4" Hollow Core, Lauan Faced Door.....	222.09	35.07
			<i>For Each 1' Of Additional Door Height, Add</i>	36.47	
			<i>For >50 To 100, Deduct</i>	-12.86	
			<i>For >100, Deduct</i>	-18.41	
08 14 16 00-0089	EA		3'-4" x 7' x 1-3/4" Hollow Core, Lauan Faced Door.....	238.80	35.07
			<i>For Each 1' Of Additional Door Height, Add</i>	40.48	
			<i>For >50 To 100, Deduct</i>	-13.69	
			<i>For >100, Deduct</i>	-19.66	
08 14 16 00-0090	EA		3'-6" x 7' x 1-3/4" Hollow Core, Lauan Faced Door.....	263.24	36.53
			<i>For Each 1' Of Additional Door Height, Add</i>	45.64	
			<i>For >50 To 100, Deduct</i>	-14.99	
			<i>For >100, Deduct</i>	-21.57	
08 14 16 00-0091	PR		Pair 2'-6" x 7' x 1-3/4" Hollow Core, Lauan Faced Door.....	387.12	61.09
			<i>For Each 1' Of Additional Door Height, Add</i>	63.59	
			<i>For >50 To 100, Deduct</i>	-22.41	
			<i>For >100, Deduct</i>	-32.09	
08 14 16 00-0092	PR		Pair 2'-6" x 7' x 1-3/4" Hollow Core, Lauan Faced Door.....	410.96	63.86
			<i>For Each 1' Of Additional Door Height, Add</i>	67.98	
			<i>For >50 To 100, Deduct</i>	-23.74	
			<i>For >100, Deduct</i>	-34.02	
08 14 16 00-0093	PR		Pair 3' x 7' x 1-3/4" Hollow Core, Lauan Faced Door.....	437.13	66.64
			<i>For Each 1' Of Additional Door Height, Add</i>	72.93	
			<i>For >50 To 100, Deduct</i>	-25.19	
			<i>For >100, Deduct</i>	-36.12	
08 14 16 00-0094			Tempered Hardboard <small>(08 14 16 00-0073)</small>		
08 14 16 00-0095	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door.....	197.76	32.15
			<i>For Each 1' Of Additional Door Height, Add</i>	32.03	
			<i>For >50 To 100, Deduct</i>	-11.50	
			<i>For >100, Deduct</i>	-16.44	
08 14 16 00-0096	EA		2'-6" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door.....	204.37	33.61
			<i>For Each 1' Of Additional Door Height, Add</i>	32.92	
			<i>For >50 To 100, Deduct</i>	-11.90	
			<i>For >100, Deduct</i>	-17.01	
08 14 16 00-0097	EA		2'-8" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door.....	211.81	33.61
			<i>For Each 1' Of Additional Door Height, Add</i>	34.70	
			<i>For >50 To 100, Deduct</i>	-12.27	
			<i>For >100, Deduct</i>	-17.57	
08 14 16 00-0098	EA		3' x 7' x 1-3/4" Hollow Core, Hardboard Faced Door.....	222.13	35.07
			<i>For Each 1' Of Additional Door Height, Add</i>	36.48	
			<i>For >50 To 100, Deduct</i>	-12.86	
			<i>For >100, Deduct</i>	-18.41	
08 14 16 00-0099	EA		3'-4" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door.....	230.61	35.07
			<i>For Each 1' Of Additional Door Height, Add</i>	38.51	
			<i>For >50 To 100, Deduct</i>	-13.28	
			<i>For >100, Deduct</i>	-19.05	
08 14 16 00-0100	EA		3'-6" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door.....	261.11	36.53
			<i>For Each 1' Of Additional Door Height, Add</i>	45.13	
			<i>For >50 To 100, Deduct</i>	-14.88	
			<i>For >100, Deduct</i>	-21.41	
08 14 16 00-0101	PR		Pair 2' x 7' x 1-3/4" Hollow Core, Hardboard Faced Door.....	389.06	61.09
			<i>For Each 1' Of Additional Door Height, Add</i>	64.06	
			<i>For >50 To 100, Deduct</i>	-22.51	
			<i>For >100, Deduct</i>	-32.23	
08 14 16 00-0102	PR		Pair 2'-6" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door.....	402.03	63.86
			<i>For Each 1' Of Additional Door Height, Add</i>	65.83	
			<i>For >50 To 100, Deduct</i>	-23.29	
			<i>For >100, Deduct</i>	-33.35	
08 14 16 00-0103	PR		Pair 3' x 7' x 1-3/4" Hollow Core, Hardboard Faced Door.....	437.25	66.64
			<i>For Each 1' Of Additional Door Height, Add</i>	72.96	
			<i>For >50 To 100, Deduct</i>	-25.19	
			<i>For >100, Deduct</i>	-36.13	
08 14 16 00-0104			Oak Or Maple Faced <small>(08 14 16 00-0073)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0105	EA			2'-0" Or 2'-4" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	293.69 55.05 -16.29 -23.63	32.15
08 14 16 00-0106	EA			2'-6" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	305.24 57.12 -16.94 -24.57	33.61
08 14 16 00-0107	EA			2'-8" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	308.47 57.90 -17.10 -24.82	33.61
08 14 16 00-0108	EA			3' x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	325.49 61.28 -18.03 -26.17	35.07
08 14 16 00-0109	EA			3'-4" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	362.95 70.27 -19.90 -28.97	35.07
08 14 16 00-0110	EA			3'-6" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	441.89 88.52 -23.92 -34.97	36.53
08 14 16 00-0111	PR			Pair 2' x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	580.94 110.11 -32.10 -46.62	61.09
08 14 16 00-0112	PR			Pair 2'-6" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	603.82 114.26 -33.38 -48.48	63.86
08 14 16 00-0113	PR			Pair 3' x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	643.98 122.57 -35.53 -51.63	66.64
08 14 16 00-0114				Walnut Faced <small>(08 14 16 00-0073)</small>		
08 14 16 00-0115	EA			2'-0" Or 2'-4" x 7' x 1-3/4" Hollow Core, Walnut Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	375.06 74.58 -20.36 -29.74	32.15
08 14 16 00-0116	EA			2'-6" x 7' x 1-3/4" Hollow Core, Walnut Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	380.16 75.11 -20.69 -30.19	33.61
08 14 16 00-0117	EA			2'-8" x 7' x 1-3/4" Hollow Core, Walnut Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	393.92 78.41 -21.38 -31.22	33.61
08 14 16 00-0118	EA			3' x 7' x 1-3/4" Hollow Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	401.07 79.42 -21.81 -31.83	35.07
08 14 16 00-0119	EA			3'-4" x 7' x 1-3/4" Hollow Core, Walnut Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	437.99 88.28 -23.65 -34.60	35.07
08 14 16 00-0120	EA			3'-6" x 7' x 1-3/4" Hollow Core, Walnut Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	536.29 111.17 -28.64 -42.05	36.53
08 14 16 00-0121	PR			Pair 2' x 7' x 1-3/4" Hollow Core, Walnut Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	743.41 149.10 -40.22 -58.81	61.09
08 14 16 00-0122	PR			Pair 2'-6" x 7' x 1-3/4" Hollow Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	753.61 150.21 -40.87 -59.71	63.86
08 14 16 00-0123	PR			Pair 3' x 7' x 1-3/4" Hollow Core, Walnut Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	795.12 158.84 -43.09 -62.97	66.64
08 14 16 00-0124				Solid Core Doors, 1-3/4" Thick, 5 Ply <small>(08 14 16)</small>		
08 14 16 00-0125				Birch Faced <small>(08 14 16 00-0124)</small>		

08 Openings
08 10 Doors And Frames
08 14 Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0126	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Solid Core, Birch Faced Door.....	280.46	32.15
			For 7 Ply Core, Add	32.42	
			For Solid Wood Staved Core (Glued Block), Add	54.04	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	57.26	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	25.94	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	116.73	
			For Commercial Grade 1 Hour Fire Rated Door, Add	162.12	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	259.39	
			For Each 1' Of Additional Door Height, Add	51.88	
			For >50 To 100, Deduct	-15.63	
			For >100, Deduct	-22.64	
08 14 16 00-0127	EA		2'-6" x 7' x 1-3/4" Solid Core, Birch Faced Door.....	272.00	33.61
			For 7 Ply Core, Add	30.72	
			For Solid Wood Staved Core (Glued Block), Add	51.20	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	54.56	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	24.57	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	110.58	
			For Commercial Grade 1 Hour Fire Rated Door, Add	153.59	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	245.74	
			For Each 1' Of Additional Door Height, Add	49.15	
			For >50 To 100, Deduct	-15.28	
			For >100, Deduct	-22.08	
08 14 16 00-0128	EA		2'-8" x 7' x 1-3/4" Solid Core, Birch Faced Door.....	280.54	33.61
			For 7 Ply Core, Add	32.00	
			For Solid Wood Staved Core (Glued Block), Add	53.33	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	56.69	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	25.60	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	115.19	
			For Commercial Grade 1 Hour Fire Rated Door, Add	159.99	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	255.98	
			For Each 1' Of Additional Door Height, Add	51.20	
			For >50 To 100, Deduct	-15.71	
			For >100, Deduct	-22.72	
08 14 16 00-0129	EA		3' x 7' x 1-3/4" Solid Core, Birch Faced Door.....	294.83	35.07
			For 7 Ply Core, Add	33.70	
			For Solid Wood Staved Core (Glued Block), Add	56.17	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	59.68	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	26.96	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	121.33	
			For Commercial Grade 1 Hour Fire Rated Door, Add	168.52	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	269.63	
			For Each 1' Of Additional Door Height, Add	53.93	
			For >50 To 100, Deduct	-16.50	
			For >100, Deduct	-23.87	
08 14 16 00-0130	EA		3'-4" x 7' x 1-3/4" Solid Core, Birch Faced Door.....	319.55	35.07
			For 7 Ply Core, Add	37.41	
			For Solid Wood Staved Core (Glued Block), Add	62.35	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	65.86	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	29.93	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	134.68	
			For Commercial Grade 1 Hour Fire Rated Door, Add	187.06	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	299.29	
			For Each 1' Of Additional Door Height, Add	59.86	
			For >50 To 100, Deduct	-17.73	
			For >100, Deduct	-25.72	
08 14 16 00-0131	EA		3'-6" x 7' x 1-3/4" Solid Core, Birch Faced Door.....	375.89	36.53
			For 7 Ply Core, Add	45.42	
			For Solid Wood Staved Core (Glued Block), Add	75.71	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	79.36	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	36.34	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	163.52	
			For Commercial Grade 1 Hour Fire Rated Door, Add	227.12	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	363.38	
			For Each 1' Of Additional Door Height, Add	72.68	
			For >50 To 100, Deduct	-20.62	
			For >100, Deduct	-30.02	



Openings	08	08
Doors And Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0132 PR Pair 2' x 7' x 1-3/4" Solid Core, Birch Faced Door.....	554.49	61.09
For 7 Ply Core, Add	64.85	
For Solid Wood Staved Core (Glued Block), Add	108.08	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	114.19	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	51.88	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	233.46	
For Commercial Grade 1 Hour Fire Rated Door, Add	324.25	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	518.80	
For Each 1' Of Additional Door Height, Add	103.76	
For >50 To 100, Deduct	-30.78	
For >100, Deduct	-44.64	
08 14 16 00-0133 PR Pair 2'-6" x 7' x 1-3/4" Solid Core, Birch Faced Door.....	537.28	63.86
For 7 Ply Core, Add	61.43	
For Solid Wood Staved Core (Glued Block), Add	102.39	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	108.78	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	49.15	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	221.16	
For Commercial Grade 1 Hour Fire Rated Door, Add	307.17	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	491.47	
For Each 1' Of Additional Door Height, Add	98.29	
For >50 To 100, Deduct	-30.06	
For >100, Deduct	-43.49	
08 14 16 00-0134 PR Pair 3' x 7' x 1-3/4" Solid Core, Birch Faced Door.....	582.66	66.64
For 7 Ply Core, Add	67.41	
For Solid Wood Staved Core (Glued Block), Add	112.35	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	119.01	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	53.93	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	242.67	
For Commercial Grade 1 Hour Fire Rated Door, Add	337.04	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	539.27	
For Each 1' Of Additional Door Height, Add	107.85	
For >50 To 100, Deduct	-32.46	
For >100, Deduct	-47.03	
08 14 16 00-0135 Lauan Faced <small>(08 14 16 00-0124)</small>		
08 14 16 00-0136 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Solid Core, Lauan Faced Door.....	244.33	32.15
For 7 Ply Core, Add	27.00	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	21.60	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	97.22	
For Commercial Grade 1 Hour Fire Rated Door, Add	135.02	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	216.04	
For Each 1' Of Additional Door Height, Add	43.21	
For >50 To 100, Deduct	-13.82	
For >100, Deduct	-19.93	
08 14 16 00-0137 EA 2'-6" x 7' x 1-3/4" Solid Core, Lauan Faced Door.....	247.77	33.61
For 7 Ply Core, Add	27.08	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	21.67	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	97.50	
For Commercial Grade 1 Hour Fire Rated Door, Add	135.41	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	216.66	
For Each 1' Of Additional Door Height, Add	43.33	
For >50 To 100, Deduct	-14.07	
For >100, Deduct	-20.26	
08 14 16 00-0138 EA 2'-8" x 7' x 1-3/4" Solid Core, Lauan Faced Door.....	252.96	33.61
For 7 Ply Core, Add	27.86	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	22.29	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	100.30	
For Commercial Grade 1 Hour Fire Rated Door, Add	139.31	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	222.89	
For Each 1' Of Additional Door Height, Add	44.58	
For >50 To 100, Deduct	-14.33	
For >100, Deduct	-20.65	
08 14 16 00-0139 EA 3' x 7' x 1-3/4" Solid Core, Lauan Faced Door.....	259.63	35.07
For 7 Ply Core, Add	28.42	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	22.74	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	102.32	
For Commercial Grade 1 Hour Fire Rated Door, Add	142.12	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	227.39	
For Each 1' Of Additional Door Height, Add	45.48	
For >50 To 100, Deduct	-14.74	
For >100, Deduct	-21.23	

08 Openings
08 10 Doors And Frames
08 14 Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0140	EA		3'-4" x 7' x 1-3/4" Solid Core, Lauan Faced Door.....	276.76	35.07
			<i>For 7 Ply Core, Add</i>	30.99	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	24.79	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	111.57	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	154.97	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	247.94	
			<i>For Each 1' Of Additional Door Height, Add</i>	49.59	
			<i>For >50 To 100, Deduct</i>	-15.59	
			<i>For >100, Deduct</i>	-22.51	
08 14 16 00-0141	EA		3'-6" x 7' x 1-3/4" Solid Core, Lauan Faced Door.....	294.43	36.53
			<i>For 7 Ply Core, Add</i>	33.20	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	26.56	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	119.53	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	166.02	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	265.63	
			<i>For Each 1' Of Additional Door Height, Add</i>	53.13	
			<i>For >50 To 100, Deduct</i>	-16.55	
			<i>For >100, Deduct</i>	-23.91	
08 14 16 00-0142	PR		Pair 2' x 7' x 1-3/4" Solid Core, Lauan Faced Door.....	482.23	61.09
			<i>For 7 Ply Core, Add</i>	54.01	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	43.21	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	194.44	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	270.05	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	432.08	
			<i>For Each 1' Of Additional Door Height, Add</i>	86.42	
			<i>For >50 To 100, Deduct</i>	-27.17	
			<i>For >100, Deduct</i>	-39.22	
08 14 16 00-0143	PR		Pair 2'-6" x 7' x 1-3/4" Solid Core, Lauan Faced Door.....	488.85	63.86
			<i>For 7 Ply Core, Add</i>	54.17	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	43.34	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	195.01	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	270.85	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	433.36	
			<i>For Each 1' Of Additional Door Height, Add</i>	86.67	
			<i>For >50 To 100, Deduct</i>	-27.64	
			<i>For >100, Deduct</i>	-39.86	
08 14 16 00-0144	PR		Pair 3' x 7' x 1-3/4" Solid Core, Lauan Faced Door.....	512.29	66.64
			<i>For 7 Ply Core, Add</i>	56.85	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	45.48	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	204.67	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	284.27	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	454.82	
			<i>For Each 1' Of Additional Door Height, Add</i>	90.96	
			<i>For >50 To 100, Deduct</i>	-28.95	
			<i>For >100, Deduct</i>	-41.75	
08 14 16 00-0145			Plastic Laminated <small>(08 14 16 00-0124)</small>		
08 14 16 00-0146	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Solid Core Plastic Laminated Door.....	591.35	32.15
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	63.25	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	284.61	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	395.29	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	632.46	
			<i>For Each 1' Of Additional Door Height, Add</i>	126.49	
			<i>For >50 To 100, Deduct</i>	-31.18	
			<i>For >100, Deduct</i>	-45.96	
08 14 16 00-0147	EA		2'-6" x 7' x 1-3/4" Solid Core Plastic Laminated Door.....	610.74	33.61
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	65.22	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	293.50	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	407.64	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	652.22	
			<i>For Each 1' Of Additional Door Height, Add</i>	130.44	
			<i>For >50 To 100, Deduct</i>	-32.22	
			<i>For >100, Deduct</i>	-47.49	
08 14 16 00-0148	EA		2'-8" x 7' x 1-3/4" Solid Core Plastic Laminated Door.....	610.74	33.61
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	65.22	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	293.50	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	407.64	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	652.22	
			<i>For Each 1' Of Additional Door Height, Add</i>	130.44	
			<i>For >50 To 100, Deduct</i>	-32.22	
			<i>For >100, Deduct</i>	-47.49	



Openings	08	08
Doors And Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0149 EA 3'-0" x 7' x 1-3/4" Solid Core Plastic Laminated Door	678.95	35.07
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	73.06	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	328.76	
For Commercial Grade 1 Hour Fire Rated Door, Add	456.61	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	730.57	
For Each 1' Of Additional Door Height, Add	146.11	
For >50 To 100, Deduct	-35.70	
For >100, Deduct	-52.67	
08 14 16 00-0150 EA 3'-4" x 7' x 1-3/4" Solid Core Plastic Laminated Door	712.29	35.07
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	77.06	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	346.76	
For Commercial Grade 1 Hour Fire Rated Door, Add	481.61	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	770.58	
For Each 1' Of Additional Door Height, Add	154.12	
For >50 To 100, Deduct	-37.37	
For >100, Deduct	-55.18	
08 14 16 00-0151 EA 3'-6" x 7' x 1-3/4" Solid Core Plastic Laminated Door	731.88	36.53
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	79.06	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	355.76	
For Commercial Grade 1 Hour Fire Rated Door, Add	494.11	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	790.57	
For Each 1' Of Additional Door Height, Add	158.11	
For >50 To 100, Deduct	-38.42	
For >100, Deduct	-56.72	
08 14 16 00-0152 PR Pair 2' x 7' x 1-3/4" Solid Core Plastic Laminated Door	1,176.26	61.09
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	126.49	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	569.21	
For Commercial Grade 1 Hour Fire Rated Door, Add	790.58	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	1,264.92	
For Each 1' Of Additional Door Height, Add	252.98	
For >50 To 100, Deduct	-61.87	
For >100, Deduct	-91.27	
08 14 16 00-0153 PR Pair 2'-6" x 7' x 1-3/4" Solid Core Plastic Laminated Door	1,214.75	63.86
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	130.44	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	587.00	
For Commercial Grade 1 Hour Fire Rated Door, Add	815.27	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	1,304.44	
For Each 1' Of Additional Door Height, Add	260.89	
For >50 To 100, Deduct	-63.93	
For >100, Deduct	-94.30	
08 14 16 00-0154 PR Pair 3' x 7' x 1-3/4" Solid Core Plastic Laminated Door	1,350.88	66.64
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	146.11	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	657.51	
For Commercial Grade 1 Hour Fire Rated Door, Add	913.21	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	1,461.13	
For Each 1' Of Additional Door Height, Add	292.23	
For >50 To 100, Deduct	-70.88	
For >100, Deduct	-104.65	
08 14 16 00-0155 Oak Or Maple Faced (08 14 16 00-0124)		
08 14 16 00-0156 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	356.26	32.15
For 7 Ply Core, Add	43.79	
For Solid Wood Staved Core (Glued Block), Add	72.99	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	76.21	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	35.04	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	157.66	
For Commercial Grade 1 Hour Fire Rated Door, Add	218.97	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	350.35	
For Each 1' Of Additional Door Height, Add	70.07	
For >50 To 100, Deduct	-19.42	
For >100, Deduct	-28.33	
08 14 16 00-0157 EA 2'-6" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	359.18	33.61
For 7 Ply Core, Add	43.79	
For Solid Wood Staved Core (Glued Block), Add	72.99	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	76.35	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	35.04	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	157.66	
For Commercial Grade 1 Hour Fire Rated Door, Add	218.97	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	350.35	
For Each 1' Of Additional Door Height, Add	70.07	
For >50 To 100, Deduct	-19.64	
For >100, Deduct	-28.62	

08 Openings
08 10 Doors And Frames
08 14 Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0158	EA		2'-8" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	362.18	33.61
			For 7 Ply Core, Add	44.24	
			For Solid Wood Staved Core (Glued Block), Add	73.74	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	77.10	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	35.40	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	159.28	
			For Commercial Grade 1 Hour Fire Rated Door, Add	221.22	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	353.95	
			For Each 1' Of Additional Door Height, Add	70.79	
			For >50 To 100, Deduct	-19.79	
			For >100, Deduct	-28.84	
08 14 16 00-0159	EA		3' x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	367.82	35.07
			For 7 Ply Core, Add	44.65	
			For Solid Wood Staved Core (Glued Block), Add	74.42	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	77.93	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	35.72	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	160.75	
			For Commercial Grade 1 Hour Fire Rated Door, Add	223.26	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	357.22	
			For Each 1' Of Additional Door Height, Add	71.44	
			For >50 To 100, Deduct	-20.14	
			For >100, Deduct	-29.34	
08 14 16 00-0160	EA		3'-4" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	400.52	35.07
			For 7 Ply Core, Add	49.56	
			For Solid Wood Staved Core (Glued Block), Add	82.60	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	86.10	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	39.65	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	178.41	
			For Commercial Grade 1 Hour Fire Rated Door, Add	247.79	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	396.46	
			For Each 1' Of Additional Door Height, Add	79.29	
			For >50 To 100, Deduct	-21.78	
			For >100, Deduct	-31.79	
08 14 16 00-0161	EA		3'-6" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	487.65	36.53
			For 7 Ply Core, Add	62.19	
			For Solid Wood Staved Core (Glued Block), Add	103.65	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	107.30	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	49.75	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	223.87	
			For Commercial Grade 1 Hour Fire Rated Door, Add	310.94	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	497.50	
			For Each 1' Of Additional Door Height, Add	99.50	
			For >50 To 100, Deduct	-26.21	
			For >100, Deduct	-38.40	
08 14 16 00-0162	PR		Pair 2' x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	681.83	61.09
			For 7 Ply Core, Add	83.95	
			For Solid Wood Staved Core (Glued Block), Add	139.92	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	146.03	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	67.16	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	302.22	
			For Commercial Grade 1 Hour Fire Rated Door, Add	419.75	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	671.60	
			For Each 1' Of Additional Door Height, Add	134.32	
			For >50 To 100, Deduct	-37.15	
			For >100, Deduct	-54.19	
08 14 16 00-0163	PR		Pair 2'-6" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	691.34	63.86
			For 7 Ply Core, Add	84.54	
			For Solid Wood Staved Core (Glued Block), Add	140.91	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	147.29	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	67.63	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	304.35	
			For Commercial Grade 1 Hour Fire Rated Door, Add	422.72	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	676.34	
			For Each 1' Of Additional Door Height, Add	135.27	
			For >50 To 100, Deduct	-37.76	
			For >100, Deduct	-55.04	



Openings	08	08
Doors And Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0164 PR Pair 3' x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	727.28	66.64
For 7 Ply Core, Add	89.10	
For Solid Wood Staved Core (Glued Block), Add	148.50	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	155.17	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	71.28	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	320.77	
For Commercial Grade 1 Hour Fire Rated Door, Add	445.51	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	712.81	
For Each 1' Of Additional Door Height, Add	142.56	
For >50 To 100, Deduct	-39.70	
For >100, Deduct	-57.88	
08 14 16 00-0165 Walnut Faced <small>(08 14 16 00-0124)</small>		
08 14 16 00-0166 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Solid Core, Walnut Faced Door	512.26	32.15
For 7 Ply Core, Add	67.19	
For Solid Wood Staved Core (Glued Block), Add	156.79	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	115.21	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	53.76	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	241.90	
For Commercial Grade 1 Hour Fire Rated Door, Add	335.97	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	537.55	
For Each 1' Of Additional Door Height, Add	107.51	
For >50 To 100, Deduct	-27.22	
For >100, Deduct	-40.03	
08 14 16 00-0167 EA 2'-6" x 7' x 1-3/4" Solid Core, Walnut Faced Door	515.31	33.61
For 7 Ply Core, Add	67.21	
For Solid Wood Staved Core (Glued Block), Add	156.83	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	115.38	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	53.77	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	241.97	
For Commercial Grade 1 Hour Fire Rated Door, Add	336.07	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	537.71	
For Each 1' Of Additional Door Height, Add	107.54	
For >50 To 100, Deduct	-27.45	
For >100, Deduct	-40.33	
08 14 16 00-0168 EA 2'-8" x 7' x 1-3/4" Solid Core, Walnut Faced Door	519.95	33.61
For 7 Ply Core, Add	67.91	
For Solid Wood Staved Core (Glued Block), Add	158.46	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	116.54	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	54.33	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	244.47	
For Commercial Grade 1 Hour Fire Rated Door, Add	339.55	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	543.28	
For Each 1' Of Additional Door Height, Add	108.66	
For >50 To 100, Deduct	-27.68	
For >100, Deduct	-40.68	
08 14 16 00-0169 EA 3' x 7' x 1-3/4" Solid Core, Walnut Faced Door	546.98	35.07
For 7 Ply Core, Add	71.53	
For Solid Wood Staved Core (Glued Block), Add	166.89	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	122.72	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	57.22	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	257.49	
For Commercial Grade 1 Hour Fire Rated Door, Add	357.63	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	572.21	
For Each 1' Of Additional Door Height, Add	114.44	
For >50 To 100, Deduct	-29.10	
For >100, Deduct	-42.78	
08 14 16 00-0170 EA 3'-4" x 7' x 1-3/4" Solid Core, Walnut Faced Door	578.32	35.07
For 7 Ply Core, Add	76.23	
For Solid Wood Staved Core (Glued Block), Add	177.86	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	130.55	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	60.98	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	274.42	
For Commercial Grade 1 Hour Fire Rated Door, Add	381.14	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	609.82	
For Each 1' Of Additional Door Height, Add	121.96	
For >50 To 100, Deduct	-30.67	
For >100, Deduct	-45.13	

08 Openings
08 10 Doors And Frames
08 14 Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0171	EA		3'-6" x 7' x 1-3/4" Solid Core, Walnut Faced Door.....	713.40	36.53
			For 7 Ply Core, Add	96.05	
			For Solid Wood Staved Core (Glued Block), Add	224.12	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	163.74	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	76.84	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	345.78	
			For Commercial Grade 1 Hour Fire Rated Door, Add	480.25	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	768.40	
			For Each 1' Of Additional Door Height, Add	153.68	
			For >50 To 100, Deduct	-37.50	
			For >100, Deduct	-55.33	
08 14 16 00-0172	PR		Pair 2' x 7' x 1-3/4" Solid Core, Walnut Faced Door.....	981.02	61.09
			For 7 Ply Core, Add	128.83	
			For Solid Wood Staved Core (Glued Block), Add	300.60	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	220.82	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	103.06	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	463.78	
			For Commercial Grade 1 Hour Fire Rated Door, Add	644.15	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	1,030.63	
			For Each 1' Of Additional Door Height, Add	206.13	
			For >50 To 100, Deduct	-52.11	
			For >100, Deduct	-76.63	
08 14 16 00-0173	PR		Pair 2'-6" x 7' x 1-3/4" Solid Core, Walnut Faced Door.....	992.57	63.86
			For 7 Ply Core, Add	129.73	
			For Solid Wood Staved Core (Glued Block), Add	302.70	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	222.60	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	103.78	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	467.02	
			For Commercial Grade 1 Hour Fire Rated Door, Add	648.64	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	1,037.82	
			For Each 1' Of Additional Door Height, Add	207.56	
			For >50 To 100, Deduct	-52.82	
			For >100, Deduct	-77.64	
08 14 16 00-0174	PR		Pair 3' x 7' x 1-3/4" Solid Core, Walnut Faced Door.....	1,073.33	66.64
			For 7 Ply Core, Add	141.01	
			For Solid Wood Staved Core (Glued Block), Add	329.02	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	241.68	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	112.81	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	507.63	
			For Commercial Grade 1 Hour Fire Rated Door, Add	705.05	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	1,128.07	
			For Each 1' Of Additional Door Height, Add	225.61	
			For >50 To 100, Deduct	-57.00	
			For >100, Deduct	-83.83	
08 14 16 00-0175			Manufacturer Prefinished Options For Flush Wood Doors (08 14 16)		
08 14 16 00-0176	EA		Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door.....	37.07	
			Note: Includes any standard manufacturer color on six sides.		
			For Custom Color To Match Non Standard Manufacturer Finish, Add	12.34	
08 14 23			Clad Wood Doors (08 14)		
08 14 23 13			Metal-Faced Wood Doors (08 14 23)		
			See CSI section 08 70 00 00-0000 for finish hardware.		
08 14 66			Wood Screen Doors (08 14)		
08 14 66 00-0001			Wood Screen Storm Door, Residential Grade (08 14 66)		
			Note: Includes frame, trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).		
08 14 66 00-0002	EA		2'-8" x 6'-8" Wood Screen Door, Residential, With Frame, Trim, Hardware.....	386.11	84.17
08 14 66 00-0003	EA		3' x 6'-8" Wood Screen Door, Residential, With Frame, Trim, Hardware.....	399.10	93.52
08 14 66 00-0004	EA		2'-8" x 7" Wood Screen Door, Residential, With Frame, Trim, Hardware.....	386.11	84.17
08 14 66 00-0005	EA		3' x 7" Wood Screen Door, Residential, With Frame, Trim, Hardware.....	399.10	93.52
08 14 73			Sliding Wood Doors (08 14)		
08 14 73 00-0001			Pocket Door (08 14 73)		
			Note: Includes door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0054 for accessories to be added.		
08 14 73 00-0002			1-3/8" Thick (08 14 73 00-0001)		
			See CSI section 08 14 73 00-0054 for all jambs and track hardware.		
08 14 73 00-0003			6'-8" High (08 14 73 00-0002)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0004 EA 2' x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	490.50	20.46
For Oak, Add	124.09	
For Ash/Hickory, Add	180.74	
For Walnut, Add	263.46	
For Cherry, Add	428.46	
08 14 73 00-0005 EA 2'-4" x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	504.32	21.92
For Oak, Add	127.10	
For Ash/Hickory, Add	185.12	
For Walnut, Add	269.85	
For Cherry, Add	438.85	
08 14 73 00-0006 EA 2'-6" x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	520.87	23.38
For Oak, Add	130.86	
For Ash/Hickory, Add	190.60	
For Walnut, Add	277.83	
For Cherry, Add	451.84	
08 14 73 00-0007 EA 2'-8" x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	531.96	24.85
For Oak, Add	133.11	
For Ash/Hickory, Add	193.88	
For Walnut, Add	282.62	
For Cherry, Add	459.62	
08 14 73 00-0008 EA 2'-10" x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	548.51	26.30
For Oak, Add	136.87	
For Ash/Hickory, Add	199.36	
For Walnut, Add	290.60	
For Cherry, Add	472.60	
08 14 73 00-0009 EA 3' x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	562.34	27.76
For Oak, Add	139.88	
For Ash/Hickory, Add	203.74	
For Walnut, Add	296.99	
For Cherry, Add	482.99	
08 14 73 00-0010 EA Pair 2' x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	972.25	36.53
For Oak, Add	248.17	
For Ash/Hickory, Add	361.47	
For Walnut, Add	526.92	
For Cherry, Add	856.92	
08 14 73 00-0011 EA Pair 2'-6" x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	1,027.14	39.46
For Oak, Add	261.71	
For Ash/Hickory, Add	381.19	
For Walnut, Add	555.66	
For Cherry, Add	903.66	
08 14 73 00-0012 EA Pair 3' x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	1,098.39	42.38
For Oak, Add	279.76	
For Ash/Hickory, Add	407.48	
For Walnut, Add	593.99	
For Cherry, Add	965.99	
08 14 73 00-0013 7' High <small>(08 14 73 00-0002)</small>		
08 14 73 00-0014 EA 2' x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	585.87	20.46
For Oak, Add	127.52	
For Ash/Hickory, Add	127.52	
For Walnut, Add	209.81	
For Cherry, Add	394.01	
08 14 73 00-0015 EA 2'-4" x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	613.31	21.92
For Oak, Add	133.26	
For Ash/Hickory, Add	133.26	
For Walnut, Add	219.25	
For Cherry, Add	411.73	
08 14 73 00-0016 EA 2'-6" x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	632.58	23.38
For Oak, Add	137.08	
For Ash/Hickory, Add	137.08	
For Walnut, Add	225.54	
For Cherry, Add	423.56	
08 14 73 00-0017 EA 2'-8" x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	649.13	24.85
For Oak, Add	140.27	
For Ash/Hickory, Add	140.27	
For Walnut, Add	230.79	
For Cherry, Add	433.41	
08 14 73 00-0018 EA 2'-10" x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	662.96	26.30
For Oak, Add	142.82	
For Ash/Hickory, Add	142.82	
For Walnut, Add	234.99	
For Cherry, Add	441.29	
08 14 73 00-0019 EA 3' x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	682.23	27.76
For Oak, Add	146.65	
For Ash/Hickory, Add	146.65	
For Walnut, Add	241.28	
For Cherry, Add	453.10	
08 14 73 00-0020 EA Pair 2' x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	1,162.99	36.53
For Oak, Add	255.04	
For Ash/Hickory, Add	255.04	
For Walnut, Add	419.62	
For Cherry, Add	788.01	

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0021 EA Pair 2'-6" x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	1,250.57	39.46
For Oak, Add	274.17	
For Ash/Hickory, Add	274.17	
For Walnut, Add	451.09	
For Cherry, Add	847.11	
08 14 73 00-0022 EA Pair 3' x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	1,338.17	42.38
For Oak, Add	293.30	
For Ash/Hickory, Add	293.30	
For Walnut, Add	482.56	
For Cherry, Add	906.22	
08 14 73 00-0023 1-3/4" Thick <small>(08 14 73 00-0001)</small>		
See CSI section 08 14 73 00-0054 for all jambs and track hardware.		
08 14 73 00-0024 6'-8" High <small>(08 14 73 00-0023)</small>		
08 14 73 00-0025 EA 2' x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	749.36	20.46
For Oak, Add	165.78	
For Ash/Hickory, Add	165.78	
For Walnut, Add	272.75	
For Cherry, Add	512.21	
08 14 73 00-0026 EA 2'-4" x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	784.98	21.92
For Oak, Add	173.43	
For Ash/Hickory, Add	173.43	
For Walnut, Add	285.34	
For Cherry, Add	535.85	
08 14 73 00-0027 EA 2'-6" x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	804.24	23.38
For Oak, Add	177.25	
For Ash/Hickory, Add	177.25	
For Walnut, Add	291.63	
For Cherry, Add	547.67	
08 14 73 00-0028 EA 2'-8" x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	826.24	24.85
For Oak, Add	181.72	
For Ash/Hickory, Add	181.72	
For Walnut, Add	298.98	
For Cherry, Add	561.46	
08 14 73 00-0029 EA 2'-10" x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	845.52	26.30
For Oak, Add	185.54	
For Ash/Hickory, Add	185.54	
For Walnut, Add	305.27	
For Cherry, Add	573.28	
08 14 73 00-0030 EA 3' x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	864.80	27.76
For Oak, Add	189.37	
For Ash/Hickory, Add	189.37	
For Walnut, Add	311.57	
For Cherry, Add	585.10	
08 14 73 00-0031 EA Pair 2' x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	1,489.97	36.53
For Oak, Add	331.55	
For Ash/Hickory, Add	331.55	
For Walnut, Add	545.51	
For Cherry, Add	1,024.42	
08 14 73 00-0032 EA Pair 2'-6" x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	1,593.90	39.46
For Oak, Add	354.51	
For Ash/Hickory, Add	354.51	
For Walnut, Add	583.27	
For Cherry, Add	1,095.34	
08 14 73 00-0033 EA Pair 3' x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	1,703.29	42.38
For Oak, Add	378.74	
For Ash/Hickory, Add	378.74	
For Walnut, Add	623.13	
For Cherry, Add	1,170.20	
08 14 73 00-0034 7' High <small>(08 14 73 00-0023)</small>		
08 14 73 00-0035 EA 2' x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	803.85	20.46
For Oak, Add	178.53	
For Ash/Hickory, Add	178.53	
For Walnut, Add	293.73	
For Cherry, Add	551.61	
08 14 73 00-0036 EA 2'-4" x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	844.92	21.92
For Oak, Add	187.46	
For Ash/Hickory, Add	187.46	
For Walnut, Add	308.42	
For Cherry, Add	579.19	
08 14 73 00-0037 EA 2'-6" x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	866.91	23.38
For Oak, Add	191.92	
For Ash/Hickory, Add	191.92	
For Walnut, Add	315.76	
For Cherry, Add	592.98	
08 14 73 00-0038 EA 2'-8" x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	888.91	24.85
For Oak, Add	196.38	
For Ash/Hickory, Add	196.38	
For Walnut, Add	323.11	
For Cherry, Add	606.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0039 EA 2'-10" x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	908.19	26.30
For Oak, Add	200.21	
For Ash/Hickory, Add	200.21	
For Walnut, Add	329.40	
For Cherry, Add	618.59	
08 14 73 00-0040 EA 3' x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	930.19	27.76
For Oak, Add	204.67	
For Ash/Hickory, Add	204.67	
For Walnut, Add	336.74	
For Cherry, Add	632.38	
08 14 73 00-0041 EA Pair 2' x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	1,598.96	36.53
For Oak, Add	357.06	
For Ash/Hickory, Add	357.06	
For Walnut, Add	587.47	
For Cherry, Add	1,103.22	
08 14 73 00-0042 EA Pair 2'-6" x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	1,719.24	39.46
For Oak, Add	383.84	
For Ash/Hickory, Add	383.84	
For Walnut, Add	631.53	
For Cherry, Add	1,185.96	
08 14 73 00-0043 EA Pair 3' x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	1,834.08	42.38
For Oak, Add	409.34	
For Ash/Hickory, Add	409.34	
For Walnut, Add	673.49	
For Cherry, Add	1,264.76	
08 14 73 00-0044 8' High <small>(08 14 73 00-0023)</small>		
08 14 73 00-0045 EA 2' x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	858.35	20.46
For Oak, Add	191.28	
For Ash/Hickory, Add	191.28	
For Walnut, Add	314.71	
For Cherry, Add	591.01	
08 14 73 00-0046 EA 2'-4" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	899.42	21.92
For Oak, Add	200.21	
For Ash/Hickory, Add	200.21	
For Walnut, Add	329.40	
For Cherry, Add	618.59	
08 14 73 00-0047 EA 2'-6" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	924.14	23.38
For Oak, Add	205.31	
For Ash/Hickory, Add	205.31	
For Walnut, Add	337.80	
For Cherry, Add	634.35	
08 14 73 00-0048 EA 2'-8" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	948.85	24.85
For Oak, Add	210.41	
For Ash/Hickory, Add	210.41	
For Walnut, Add	346.18	
For Cherry, Add	650.11	
08 14 73 00-0049 EA 2'-10" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	968.13	26.30
For Oak, Add	214.23	
For Ash/Hickory, Add	214.23	
For Walnut, Add	352.48	
For Cherry, Add	661.93	
08 14 73 00-0050 EA 3' x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	992.86	27.76
For Oak, Add	219.34	
For Ash/Hickory, Add	219.34	
For Walnut, Add	360.87	
For Cherry, Add	677.69	
08 14 73 00-0051 EA Pair 2' x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	1,707.95	36.53
For Oak, Add	382.56	
For Ash/Hickory, Add	382.56	
For Walnut, Add	629.43	
For Cherry, Add	1,182.02	
08 14 73 00-0052 EA Pair 2'-6" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	1,833.68	39.46
For Oak, Add	410.62	
For Ash/Hickory, Add	410.62	
For Walnut, Add	675.59	
For Cherry, Add	1,268.70	
08 14 73 00-0053 EA Pair 3' x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	1,959.42	42.38
For Oak, Add	438.67	
For Ash/Hickory, Add	438.67	
For Walnut, Add	721.74	
For Cherry, Add	1,355.38	
08 14 73 00-0054 Accessories <small>(08 14 73 00-0001)</small>		
08 14 73 00-0055 Jamb Replacement <small>(08 14 73 00-0054)</small>		
08 14 73 00-0056 EA 4-9/16 Or 4-3/4" Jamb, Birch.....	89.79	
For Oak, Add	6.84	
For Ash/Hickory, Add	10.72	
For Walnut, Add	23.44	
For Cherry, Add	37.12	

08 Openings
08 10 Doors And Frames
08 14 Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0057	EA		5-1/4" Jamb, Birch	91.74	
			For Oak, Add	7.06	
			For Ash/Hickory, Add	11.06	
			For Walnut, Add	24.19	
			For Cherry, Add	38.32	
08 14 73 00-0058	EA		6-9/16" Or 6-3/4" Jamb, Birch	104.44	
			For Oak, Add	8.50	
			For Ash/Hickory, Add	13.31	
			For Walnut, Add	29.11	
			For Cherry, Add	46.10	
08 14 73 00-0059			Track And Hardware Replacement Kits (08 14 73 00-0054)		
			Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.		
08 14 73 00-0060	EA		Up To 2'-6" x 6'-8" Door Track And Hardware.....	207.35	
08 14 73 00-0061	EA		2'-8" x 6'-8" Door Track And Hardware	209.40	
08 14 73 00-0062	EA		3' x 6'-8" Door Track And Hardware.....	213.48	
08 14 73 00-0063	EA		Up To 2'-6" x 7' Door Track And Hardware.....	252.32	
08 14 73 00-0064	EA		2'-8" x 7' Door Track And Hardware.....	254.36	
08 14 73 00-0065	EA		3' x 7' Door Track And Hardware	258.45	
08 14 73 00-0066	EA		Up To 2'-6" x 8' Door Track And Hardware.....	272.76	
08 14 73 00-0067	EA		2'-8" x 8' Door Track And Hardware.....	274.80	
08 14 73 00-0068	EA		3' x 8' Door Track And Hardware	278.89	
08 14 73 00-0069	EA		Double Door Converging Kit	29.21	
08 14 73 00-0070			Lauan Faced Hollow Core Flush Bi-Pass Doors (08 14 73)		
08 14 73 00-0071	EA		4'-0", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Pass.....	211.07	46.74
08 14 73 00-0072	EA		5'-0", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Pass.....	224.92	49.66
08 14 73 00-0073	EA		6'-0", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Pass.....	245.25	52.58
08 14 73 00-0074	EA		8'-0", Four 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Pass.....	343.57	55.50
08 14 73 00-0075			Birch Faced Hollow Core Flush Bi-Pass Doors (08 14 73)		
08 14 73 00-0076	EA		4'-0", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Pass.....	226.47	46.74
08 14 73 00-0077	EA		5'-0", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Pass.....	248.94	49.66
08 14 73 00-0078	EA		6'-0", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Pass.....	271.69	52.58
08 14 73 00-0079	EA		8'-0", Four 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Pass.....	374.38	55.50
08 14 73 00-0080			Molded High Density Fiberboard Hollow Core Paneled Bi-Pass Doors (08 14 73)		
08 14 73 00-0081	EA		4'-0", Two 1-3/8" Primed Doors, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Pass.....	226.91	46.74
08 14 73 00-0082	EA		5'-0", Two 1-3/8" Primed Doors, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Pass.....	247.87	49.66
08 14 73 00-0083	EA		6'-0", Two 1-3/8" Primed Doors, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Pass.....	269.91	52.58
08 14 73 00-0084	EA		8'-0", Four 1-3/8" Primed Doors, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Pass.....	375.25	55.50
08 14 76 Bifolding Wood Doors (08 14)					
08 14 76 00-0001			Bi-Fold Wood Doors (08 14 76)		
			Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes door frame and knobs.		
08 14 76 00-0002			Lauan Faced Hollow Core Flush Bi-Fold Doors (08 14 76 00-0001)		
08 14 76 00-0003	EA		2'-0", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	107.81	35.05
08 14 76 00-0004	EA		2'-6", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	113.66	37.98
08 14 76 00-0005	EA		2'-8", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	122.02	40.89
08 14 76 00-0006	EA		3'-0", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	127.86	43.82
08 14 76 00-0007	EA		4'-0", Four 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	165.85	46.74
08 14 76 00-0008	EA		5'-0", Four 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	171.69	49.66
08 14 76 00-0009	EA		6'-0", Four 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	182.87	52.58
08 14 76 00-0010			Birch Faced Hollow Core Flush Bi-Fold Doors (08 14 76 00-0001)		
08 14 76 00-0011	EA		2'-0", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold	113.96	35.05
08 14 76 00-0012	EA		2'-6", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold	121.83	37.98
08 14 76 00-0013	EA		2'-8", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold	131.54	40.89
08 14 76 00-0014	EA		3'-0", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold	137.38	43.82
08 14 76 00-0015	EA		4'-0", Four 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold.....	179.02	46.74
08 14 76 00-0016	EA		5'-0", Four 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold.....	192.22	49.66
08 14 76 00-0017	EA		6'-0", Four 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold.....	206.21	52.58
08 14 76 00-0018			Oak Faced Hollow Core Flush Bi-Fold Doors (08 14 76 00-0001)		
08 14 76 00-0019	EA		2'-0", Two 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold	114.25	35.05
08 14 76 00-0020	EA		2'-6", Two 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold	125.77	37.98
08 14 76 00-0021	EA		2'-8", Two 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold	135.18	40.89
08 14 76 00-0022	EA		3'-0", Two 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold	141.02	43.82
08 14 76 00-0023	EA		4'-0", Four 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold	182.20	46.74
08 14 76 00-0024	EA		5'-0", Four 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold	189.32	49.66
08 14 76 00-0025	EA		6'-0", Four 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold	206.21	52.58



Openings	08	08
Doors And Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 76 00-0026 Pine Raised Panel Bi-Fold Doors (08 14 76 00-0001)		
08 14 76 00-0027 EA 2'-0", Two 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	297.14	35.05
08 14 76 00-0028 EA 2'-6", Two 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	339.68	37.98
08 14 76 00-0029 EA 2'-8", Two 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	388.15	40.89
08 14 76 00-0030 EA 3'-0", Two 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	393.99	43.82
08 14 76 00-0031 EA 4'-0", Four 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	547.55	46.74
08 14 76 00-0032 EA 5'-0", Four 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	626.76	49.66
08 14 76 00-0033 EA 6'-0", Four 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	717.88	52.58
08 14 76 00-0034 Oak Raised Panel Bi-Fold Doors (08 14 76 00-0001)		
08 14 76 00-0035 EA 2'-0", Two 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold.....	381.42	35.05
08 14 76 00-0036 EA 2'-6", Two 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold.....	414.04	37.98
08 14 76 00-0037 EA 2'-8", Two 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold.....	452.59	40.89
08 14 76 00-0038 EA 3'-0", Two 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold.....	458.43	43.82
08 14 76 00-0039 EA 4'-0", Four 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold.....	716.10	46.74
08 14 76 00-0040 EA 5'-0", Four 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold.....	775.48	49.66
08 14 76 00-0041 EA 6'-0", Four 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold.....	846.77	52.58
08 14 76 00-0042 Molded High Density Fiberboard Hollow Core Paneled Bi-Fold Doors (08 14 76 00-0001)		
08 14 76 00-0043 EA 2'-0", Two 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	109.97	35.05
08 14 76 00-0044 EA 2'-6", Two 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	118.35	37.98
08 14 76 00-0045 EA 2'-8", Two 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	129.55	40.89
08 14 76 00-0046 EA 3'-0", Two 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	130.88	43.82
08 14 76 00-0047 EA 4'-0", Four 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	162.28	46.74
08 14 76 00-0048 EA 5'-0", Four 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	175.20	49.66
08 14 76 00-0049 EA 6'-0", Four 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	196.34	52.58
08 15 Plastic Doors (08 10)		
Note: Includes machining for all hardware, except mortised locks. Excludes finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.		
08 15 13 Laminated Plastic Doors (08 15)		
See CSI section 08 70 00 00-0000 for finish hardware.		
08 16 Composite Doors (08 10)		
Note: Includes machining for all hardware. Excludes finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.		
08 16 13 Fiberglass Doors (08 16)		
See CSI section 08 70 00 00-0000 for finish hardware.		
08 16 13 00-0001 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors (08 16 13)		
08 16 13 00-0002 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0001)		
08 16 13 00-0003 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0002)		
Note: White, tan, brown or gray finish. Includes factory hardware prep and 25 Mil resin rich gel coat.		
08 16 13 00-0004 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003)		
Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0005 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0004)		
08 16 13 00-0006 EA 3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	1,959.94	35.07
For Custom Color Finish, Add		102.85
For Stainless Steel Continuous Hinge, Add		228.93
08 16 13 00-0007 EA 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,092.67	36.53
For Custom Color Finish, Add		102.85
For Stainless Steel Continuous Hinge, Add		228.93
08 16 13 00-0008 EA 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,294.31	39.46
For Custom Color Finish, Add		102.85
For Stainless Steel Continuous Hinge, Add		228.93
08 16 13 00-0009 PR Pair 3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,583.97	66.64
For Custom Color Finish, Add		205.70
For Stainless Steel Continuous Hinge, Add		457.86
08 16 13 00-0010 PR Pair 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,818.32	69.41
For Custom Color Finish, Add		205.70
For Stainless Steel Continuous Hinge, Add		457.86
08 16 13 00-0011 PR Pair 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,251.83	74.96
For Custom Color Finish, Add		205.70
For Stainless Steel Continuous Hinge, Add		457.86

08	Openings
08 10	Doors And Frames
08 16	Composite Doors



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 16 13 00-0012	7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0004)</small>		
08 16 13 00-0013	EA 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	1,959.94	35.07
	<i>For Custom Color Finish, Add</i>	102.85	
	<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0014	EA 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,145.47	36.53
	<i>For Custom Color Finish, Add</i>	102.85	
	<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0015	EA 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,350.41	39.46
	<i>For Custom Color Finish, Add</i>	102.85	
	<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0016	PR Pair 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,583.97	66.64
	<i>For Custom Color Finish, Add</i>	205.70	
	<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0017	PR Pair 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,052.62	69.41
	<i>For Custom Color Finish, Add</i>	205.70	
	<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0018	PR Pair 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,364.03	74.96
	<i>For Custom Color Finish, Add</i>	205.70	
	<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0019	Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0003)</small>		
	Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0020	45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0019)</small>		
08 16 13 00-0021	6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0020)</small>		
08 16 13 00-0022	EA 3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,329.54	35.07
	<i>For Custom Color Finish, Add</i>	102.85	
	<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0023	EA 3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,377.57	36.53
	<i>For Custom Color Finish, Add</i>	102.85	
	<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0024	EA 4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,712.31	39.46
	<i>For Custom Color Finish, Add</i>	102.85	
	<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0025	PR Pair 3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,121.87	66.64
	<i>For Custom Color Finish, Add</i>	205.70	
	<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0026	PR Pair 3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,172.52	69.41
	<i>For Custom Color Finish, Add</i>	205.70	
	<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0027	PR Pair 4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,886.53	74.96
	<i>For Custom Color Finish, Add</i>	205.70	
	<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0028	7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0020)</small>		
08 16 13 00-0029	EA 3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,329.54	35.07
	<i>For Custom Color Finish, Add</i>	102.85	
	<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0030	EA 3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,549.17	36.53
	<i>For Custom Color Finish, Add</i>	102.85	
	<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0031	EA 4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,776.11	39.46
	<i>For Custom Color Finish, Add</i>	102.85	
	<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0032	PR Pair 3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,121.87	66.64
	<i>For Custom Color Finish, Add</i>	205.70	
	<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0033	PR Pair 3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,516.82	69.41
	<i>For Custom Color Finish, Add</i>	205.70	
	<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0034	PR			Pair 4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	5,015.23	74.96
				<i>For Custom Color Finish, Add</i>	205.70	
				<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0035				60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0019)</small>		
08 16 13 00-0036				6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0035)</small>		
08 16 13 00-0037	EA			3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,329.54	35.07
				<i>For Custom Color Finish, Add</i>	102.85	
				<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0038	EA			3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,377.57	36.53
				<i>For Custom Color Finish, Add</i>	102.85	
				<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0039	EA			4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,712.31	39.46
				<i>For Custom Color Finish, Add</i>	102.85	
				<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0040	PR			Pair 3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,121.87	66.64
				<i>For Custom Color Finish, Add</i>	205.70	
				<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0041	PR			Pair 3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,172.52	69.41
				<i>For Custom Color Finish, Add</i>	205.70	
				<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0042	PR			Pair 4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,886.53	74.96
				<i>For Custom Color Finish, Add</i>	205.70	
				<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0043				7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0035)</small>		
08 16 13 00-0044	EA			3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,329.54	35.07
				<i>For Custom Color Finish, Add</i>	102.85	
				<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0045	EA			3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,549.17	36.53
				<i>For Custom Color Finish, Add</i>	102.85	
				<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0046	EA			4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,776.11	39.46
				<i>For Custom Color Finish, Add</i>	102.85	
				<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0047	PR			Pair 3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,121.87	66.64
				<i>For Custom Color Finish, Add</i>	205.70	
				<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0048	PR			Pair 3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,516.82	69.41
				<i>For Custom Color Finish, Add</i>	205.70	
				<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0049	PR			Pair 4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	5,015.23	74.96
				<i>For Custom Color Finish, Add</i>	205.70	
				<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0050				90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0019)</small>		
08 16 13 00-0051				6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0050)</small>		
08 16 13 00-0052	EA			3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,329.54	35.07
				<i>For Custom Color Finish, Add</i>	102.85	
				<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0053	EA			3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,377.57	36.53
				<i>For Custom Color Finish, Add</i>	102.85	
				<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0054	EA			4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,712.31	39.46
				<i>For Custom Color Finish, Add</i>	102.85	
				<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	

08	Openings
08 10	Doors And Frames
08 16	Composite Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0055	PR		Pair 3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,121.87	66.64
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0056	PR		Pair 3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,172.52	69.41
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0057	PR		Pair 4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,886.53	74.96
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0058			7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0050)		
08 16 13 00-0059	EA		3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,329.54	35.07
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0060	EA		3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,549.17	36.53
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0061	EA		4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,776.11	39.46
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0062	PR		Pair 3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,121.87	66.64
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0063	PR		Pair 3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,516.82	69.41
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0064	PR		Pair 4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	5,015.23	74.96
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0065			Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003)		
			Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0066			6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0065)		
08 16 13 00-0067	EA		3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,073.24	35.07
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0068			7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0065)		
08 16 13 00-0069	EA		3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,073.24	35.07
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0070			Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf) (08 16 13 00-0002)		
08 16 13 00-0071	SI		1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf).....	0.28	
08 16 13 00-0072	SI		1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf).....	0.29	
08 16 13 00-0073	SI		1/4" Wire, Factory Installed Vision Glass (Chem-Pruf).....	0.38	
08 16 13 00-0074	SI		1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf).....	0.36	
08 16 13 00-0075	SI		Factory Installed Molded Louver (Chem-Pruf).....	0.72	
08 16 13 00-0076	SI		Factory Installed Molded Louver With Insect Screen (Chem-Pruf).....	0.81	
08 16 13 00-0077	LF		Weather Strip (Chem-Pruf).....	7.70	
08 16 13 00-0078	LF		Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf).....	9.90	
08 16 13 00-0079	LF		1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf).....	20.90	
08 16 13 00-0080	LF		Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf).....	23.10	
08 16 13 00-0081	LF		2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf).....	45.10	
08 16 13 00-0082			Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0001)		
08 16 13 00-0083			Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0082)		
			Note: White, tan, brown or gray finish. Includes factory hardware prep.		



Openings	08	08
Doors And Frames	08 10	
Composite Doors	08 16	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0084 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0083)</small> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0085 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0084)</small>		
08 16 13 00-0086 EA 3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,494.18	35.07
<i>For Custom Color Finish, Add</i>	102.85	
<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0087 EA 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,514.41	36.53
<i>For Custom Color Finish, Add</i>	102.85	
<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0088 EA 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,586.80	39.46
<i>For Custom Color Finish, Add</i>	102.85	
<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0089 PR Pair 3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,771.05	66.64
<i>For Custom Color Finish, Add</i>	205.70	
<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0090 PR Pair 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,811.20	69.41
<i>For Custom Color Finish, Add</i>	205.70	
<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0091 PR Pair 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,955.41	74.96
<i>For Custom Color Finish, Add</i>	205.70	
<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0092 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0084)</small>		
08 16 13 00-0093 EA 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,494.18	35.07
<i>For Custom Color Finish, Add</i>	102.85	
<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0094 EA 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,580.96	36.53
<i>For Custom Color Finish, Add</i>	102.85	
<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0095 EA 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,586.80	39.46
<i>For Custom Color Finish, Add</i>	102.85	
<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0096 PR Pair 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,771.05	66.64
<i>For Custom Color Finish, Add</i>	205.70	
<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0097 PR Pair 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,944.30	69.41
<i>For Custom Color Finish, Add</i>	205.70	
<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0098 PR Pair 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,955.41	74.96
<i>For Custom Color Finish, Add</i>	205.70	
<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0099 Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0083)</small> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0100 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0099)</small>		
08 16 13 00-0101 6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0100)</small>		
08 16 13 00-0102 EA 3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,492.43	35.07
<i>For Custom Color Finish, Add</i>	102.85	
<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0103 EA 3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,543.27	36.53
<i>For Custom Color Finish, Add</i>	102.85	
<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0104 EA 4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,663.58	39.46
<i>For Custom Color Finish, Add</i>	102.85	
<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0105 PR Pair 3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,492.03	66.64
<i>For Custom Color Finish, Add</i>	205.70	
<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0106 PR Pair 3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,593.41	69.41
<i>For Custom Color Finish, Add</i>	205.70	
<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	

08	Openings
08 10	Doors And Frames
08 16	Composite Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0107	PR		Pair 4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,833.45	74.96
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0108			7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0100)</small>		
08 16 13 00-0109	EA		3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,492.43	35.07
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0110	EA		3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,561.91	36.53
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0111	EA		4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,720.81	39.46
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0112	PR		Pair 3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,492.03	66.64
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0113	PR		Pair 3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,630.68	69.41
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0114	PR		Pair 4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,947.92	74.96
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0115			60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0099)</small>		
08 16 13 00-0116			6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0115)</small>		
08 16 13 00-0117	EA		3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,492.43	35.07
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0118	EA		3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,543.27	36.53
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0119	EA		4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,663.58	39.46
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0120	PR		Pair 3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,492.03	66.64
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0121	PR		Pair 3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,593.41	69.41
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0122	PR		Pair 4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,833.45	74.96
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0123			7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0115)</small>		
08 16 13 00-0124	EA		3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,492.43	35.07
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0125	EA		3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,561.91	36.53
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0126	EA		4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,720.81	39.46
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0127	PR		Pair 3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,492.03	66.64
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	



Openings	08	08
Doors And Frames	08 10	
Composite Doors	08 16	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0128 PR Pair 3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,630.68 205.70 457.86	69.41
08 16 13 00-0129 PR Pair 4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,947.92 205.70 457.86	74.96
08 16 13 00-0130 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0099)		
08 16 13 00-0131 6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0130)		
08 16 13 00-0132 EA 3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,492.43 102.85 228.93	35.07
08 16 13 00-0133 EA 3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,543.27 102.85 228.93	36.53
08 16 13 00-0134 EA 4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,663.58 102.85 228.93	39.46
08 16 13 00-0135 PR Pair 3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,492.03 205.70 457.86	66.64
08 16 13 00-0136 PR Pair 3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,593.41 205.70 457.86	69.41
08 16 13 00-0137 PR Pair 4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,833.45 205.70 457.86	74.96
08 16 13 00-0138 7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0130)		
08 16 13 00-0139 EA 3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,492.43 102.85 228.93	35.07
08 16 13 00-0140 EA 3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,561.91 102.85 228.93	36.53
08 16 13 00-0141 EA 4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,720.81 102.85 228.93	39.46
08 16 13 00-0142 PR Pair 3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,492.03 205.70 457.86	66.64
08 16 13 00-0143 PR Pair 3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,630.68 205.70 457.86	69.41
08 16 13 00-0144 PR Pair 4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,947.92 205.70 457.86	74.96
08 16 13 00-0145 Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0083) Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0146 6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0145)		
08 16 13 00-0147 EA 3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	1,693.83 102.85 228.93	35.07
08 16 13 00-0148 7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0145)		

08	Openings
08 10	Doors And Frames
08 16	Composite Doors



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 16 13 00-0149	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,693.83	35.07
		<i>For Custom Color Finish, Add</i>	102.85	
		<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	

08 16 13 00-0150 Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) (08 16 13 00-0082)

08 16 13 00-0151	SI	1/4" Tempered, Factory Installed Vision Glass (Skule Door).....	0.63	
08 16 13 00-0152	SI	1/4" Laminated, Factory Installed Vision Glass (Skule Door).....	0.65	
08 16 13 00-0153	SI	1/4" Wire, Factory Installed Vision Glass (Skule Door).....	0.68	
08 16 13 00-0154	SI	1/2" Insulated, Factory Installed Vision Glass (Skule Door).....	0.98	
08 16 13 00-0155	SI	Factory Installed Molded Louver (Skule Door).....	0.39	
08 16 13 00-0156	SI	Factory Installed Molded Louver With Insect Screen (Skule Door).....	0.62	
08 16 13 00-0157	LF	Weather Strip (Skule Door).....	5.32	
08 16 13 00-0158	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door).....	6.66	
08 16 13 00-0159	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door).....	21.30	
08 16 13 00-0160	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door).....	75.87	
08 16 13 00-0161	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door).....	29.28	

08 17 Integrated Door Opening Assemblies (08 10)

08 17 23 Integrated Metal Door Opening Assemblies (08 17)

08 17 23 00-0001 Pre-Hung Interior Door Units (08 17 23)
Note: All prehung doors include door, frame, and trim, all mounting hardware (standard duty ball bearing hinges).
Excludes lockset.

08 17 23 00-0002 Hollow Core Doors, 1-3/8" Thick (08 17 23 00-0001)

08 17 23 00-0003 Birch Faced (08 17 23 00-0002)

08 17 23 00-0004	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	327.57	36.53
		<i>For Each 1' Of Additional Door Height, Add</i>	61.08	
08 17 23 00-0005	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	343.20	36.53
		<i>For Each 1' Of Additional Door Height, Add</i>	64.83	
08 17 23 00-0006	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	361.78	38.00
		<i>For Each 1' Of Additional Door Height, Add</i>	68.59	
08 17 23 00-0007	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	369.35	39.46
		<i>For Each 1' Of Additional Door Height, Add</i>	69.71	
08 17 23 00-0008	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	397.71	39.46
		<i>For Each 1' Of Additional Door Height, Add</i>	76.51	
08 17 23 00-0009	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	421.05	40.91
		<i>For Each 1' Of Additional Door Height, Add</i>	81.41	
08 17 23 00-0010	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	628.81	59.92
		<i>For Each 1' Of Additional Door Height, Add</i>	122.16	
08 17 23 00-0011	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	668.89	64.30
		<i>For Each 1' Of Additional Door Height, Add</i>	129.67	
08 17 23 00-0012	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	718.24	68.69
		<i>For Each 1' Of Additional Door Height, Add</i>	139.41	

08 17 23 00-0013 Lauan Faced (08 17 23 00-0002)

08 17 23 00-0014	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	294.27	36.53
		<i>For Each 1' Of Additional Door Height, Add</i>	53.09	
08 17 23 00-0015	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	309.28	36.53
		<i>For Each 1' Of Additional Door Height, Add</i>	56.69	
08 17 23 00-0016	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	324.84	38.00
		<i>For Each 1' Of Additional Door Height, Add</i>	59.72	
08 17 23 00-0017	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	336.70	39.46
		<i>For Each 1' Of Additional Door Height, Add</i>	61.87	
08 17 23 00-0018	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	361.34	39.46
		<i>For Each 1' Of Additional Door Height, Add</i>	67.78	
08 17 23 00-0019	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	382.33	40.91
		<i>For Each 1' Of Additional Door Height, Add</i>	72.12	
08 17 23 00-0020	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	562.25	59.92
		<i>For Each 1' Of Additional Door Height, Add</i>	106.18	
08 17 23 00-0021	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	600.95	64.30
		<i>For Each 1' Of Additional Door Height, Add</i>	113.37	
08 17 23 00-0022	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door.....	653.01	68.69
		<i>For Each 1' Of Additional Door Height, Add</i>	123.75	

08 17 23 00-0023 Tempered Hardboard Faced (08 17 23 00-0002)

08 17 23 00-0024	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	246.47	36.53
		<i>For Each 1' Of Additional Door Height, Add</i>	41.62	
08 17 23 00-0025	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	259.12	36.53
		<i>For Each 1' Of Additional Door Height, Add</i>	44.65	
08 17 23 00-0026	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	268.04	38.00
		<i>For Each 1' Of Additional Door Height, Add</i>	46.09	
08 17 23 00-0027	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	282.97	39.46
		<i>For Each 1' Of Additional Door Height, Add</i>	48.97	
08 17 23 00-0028	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	305.40	39.46
		<i>For Each 1' Of Additional Door Height, Add</i>	54.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0029 EA 3'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	322.83 57.84	40.91
08 17 23 00-0030 EA Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	466.64 83.23	59.92
08 17 23 00-0031 EA Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	500.68 89.30	64.30
08 17 23 00-0032 EA Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	545.46 97.95	68.69
08 17 23 00-0033 Solid Core Doors, 1-3/8" Thick (08 17 23 00-0001)		
08 17 23 00-0034 Birch Faced (08 17 23 00-0033)		
08 17 23 00-0035 EA 2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	447.81 89.94	36.53
08 17 23 00-0036 EA 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	467.52 94.67	36.53
08 17 23 00-0037 EA 2'-8" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	490.11 99.39	38.00
08 17 23 00-0038 EA 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	517.02 105.15	39.46
08 17 23 00-0039 EA 3'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	565.12 116.69	39.46
08 17 23 00-0040 EA 3'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	610.55 126.89	40.91
08 17 23 00-0041 EA Pair 2' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	869.31 179.88	59.92
08 17 23 00-0042 EA Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	917.49 189.34	64.30
08 17 23 00-0043 EA Pair 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	1,013.57 210.29	68.69
08 17 23 00-0044 Luan Faced (08 17 23 00-0033)		
08 17 23 00-0045 EA 2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	397.51 77.87	36.53
08 17 23 00-0046 EA 2'-6" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	415.35 82.15	36.53
08 17 23 00-0047 EA 2'-8" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	436.09 86.42	38.00
08 17 23 00-0048 EA 3' x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	457.01 90.74	39.46
08 17 23 00-0049 EA 3'-4" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	498.60 100.73	39.46
08 17 23 00-0050 EA 3'-6" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	528.38 107.17	40.91
08 17 23 00-0051 EA Pair 2' x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	768.70 155.73	59.92
08 17 23 00-0052 EA Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	813.18 164.30	64.30
08 17 23 00-0053 EA Pair 3' x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	893.55 181.49	68.69
08 17 23 00-0054 Tempered Hardboard Faced (08 17 23 00-0033)		
08 17 23 00-0055 EA 2'-0" - 2'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	352.72 67.12	36.53
08 17 23 00-0056 EA 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	368.91 71.00	36.53
08 17 23 00-0057 EA 2'-8" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	388.07 74.90	38.00
08 17 23 00-0058 EA 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	397.00 76.34	39.46
08 17 23 00-0059 EA 3'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	432.08 84.76	39.46
08 17 23 00-0060 EA 3'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	457.62 90.19	40.91
08 17 23 00-0061 PR Pair 2' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	679.12 134.23	59.92
08 17 23 00-0062 PR Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	720.26 142.00	64.30
08 17 23 00-0063 PR Pair 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	773.52 152.68	68.69
08 17 23 00-0064 Hollow Core Doors, 1-3/4" Thick (08 17 23 00-0001)		
08 17 23 00-0065 Birch Faced (08 17 23 00-0064)		
08 17 23 00-0066 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	391.15 76.34	36.53
08 17 23 00-0067 EA 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	403.16 79.22	36.53
08 17 23 00-0068 EA 2'-8" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i>	410.52 80.29	38.00

08 Openings**08 10 Doors And Frames****08 17 Integrated Door Opening Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0069	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door.....	433.01	39.46
			<i>For Each 1' Of Additional Door Height, Add</i>	84.98	
08 17 23 00-0070	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door.....	484.95	39.46
			<i>For Each 1' Of Additional Door Height, Add</i>	97.45	
08 17 23 00-0071	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door.....	548.55	40.91
			<i>For Each 1' Of Additional Door Height, Add</i>	112.01	
08 17 23 00-0072	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door.....	756.02	59.92
			<i>For Each 1' Of Additional Door Height, Add</i>	152.68	
08 17 23 00-0073	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door.....	788.77	64.30
			<i>For Each 1' Of Additional Door Height, Add</i>	158.44	
08 17 23 00-0074	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door.....	845.58	68.69
			<i>For Each 1' Of Additional Door Height, Add</i>	169.97	
08 17 23 00-0075			Lauan Faced (08 17 23 00-0064)		
08 17 23 00-0076	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door.....	354.07	36.53
			<i>For Each 1' Of Additional Door Height, Add</i>	67.44	
08 17 23 00-0077	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door.....	373.44	36.53
			<i>For Each 1' Of Additional Door Height, Add</i>	72.09	
08 17 23 00-0078	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door.....	392.07	38.00
			<i>For Each 1' Of Additional Door Height, Add</i>	75.86	
08 17 23 00-0079	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door.....	401.21	39.46
			<i>For Each 1' Of Additional Door Height, Add</i>	77.35	
08 17 23 00-0080	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door.....	436.65	39.46
			<i>For Each 1' Of Additional Door Height, Add</i>	85.86	
08 17 23 00-0081	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door.....	462.46	40.91
			<i>For Each 1' Of Additional Door Height, Add</i>	91.35	
08 17 23 00-0082	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door.....	681.85	59.92
			<i>For Each 1' Of Additional Door Height, Add</i>	134.88	
08 17 23 00-0083	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door.....	729.33	64.30
			<i>For Each 1' Of Additional Door Height, Add</i>	144.18	
08 17 23 00-0084	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door.....	781.98	68.69
			<i>For Each 1' Of Additional Door Height, Add</i>	154.71	
08 17 23 00-0085			Tempered Hardboard Faced (08 17 23 00-0064)		
08 17 23 00-0086	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	289.11	36.53
			<i>For Each 1' Of Additional Door Height, Add</i>	51.85	
08 17 23 00-0087	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	295.14	36.53
			<i>For Each 1' Of Additional Door Height, Add</i>	53.30	
08 17 23 00-0088	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	310.06	38.00
			<i>For Each 1' Of Additional Door Height, Add</i>	56.18	
08 17 23 00-0089	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	324.99	39.46
			<i>For Each 1' Of Additional Door Height, Add</i>	59.06	
08 17 23 00-0090	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	338.70	39.46
			<i>For Each 1' Of Additional Door Height, Add</i>	62.35	
08 17 23 00-0091	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	358.26	40.91
			<i>For Each 1' Of Additional Door Height, Add</i>	66.34	
08 17 23 00-0092	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	551.91	59.92
			<i>For Each 1' Of Additional Door Height, Add</i>	103.70	
08 17 23 00-0093	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	572.72	64.30
			<i>For Each 1' Of Additional Door Height, Add</i>	106.59	
08 17 23 00-0094	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	629.54	68.69
			<i>For Each 1' Of Additional Door Height, Add</i>	118.12	
08 17 23 00-0095			Solid Core Doors, 1-3/4" Thick (08 17 23 00-0001)		
08 17 23 00-0096			Birch Faced (08 17 23 00-0095)		
08 17 23 00-0097	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	505.19	36.53
			<i>For Each 1' Of Additional Door Height, Add</i>	103.71	
08 17 23 00-0098	EA		2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	523.19	36.53
			<i>For Each 1' Of Additional Door Height, Add</i>	108.03	
08 17 23 00-0099	EA		2'-8" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	532.13	38.00
			<i>For Each 1' Of Additional Door Height, Add</i>	109.47	
08 17 23 00-0100	EA		3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	553.04	39.46
			<i>For Each 1' Of Additional Door Height, Add</i>	113.79	
08 17 23 00-0101	EA		3'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	605.19	39.46
			<i>For Each 1' Of Additional Door Height, Add</i>	126.31	
08 17 23 00-0102	EA		3'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	660.78	40.91
			<i>For Each 1' Of Additional Door Height, Add</i>	138.95	
08 17 23 00-0103	EA		Pair 2' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	984.09	59.92
			<i>For Each 1' Of Additional Door Height, Add</i>	207.42	
08 17 23 00-0104	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	1,028.82	64.30
			<i>For Each 1' Of Additional Door Height, Add</i>	216.06	
08 17 23 00-0105	EA		Pair 3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	1,085.62	68.69
			<i>For Each 1' Of Additional Door Height, Add</i>	227.58	
08 17 23 00-0106			Lauan Faced (08 17 23 00-0095)		
08 17 23 00-0107	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door.....	514.69	36.53
			<i>For Each 1' Of Additional Door Height, Add</i>	105.99	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0108	EA			2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	515.97 106.30	36.53
08 17 23 00-0109	EA			2'-8" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	531.61 109.35	38.00
08 17 23 00-0110	EA			3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	543.75 111.56	39.46
08 17 23 00-0111	EA			3'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	585.76 121.64	39.46
08 17 23 00-0112	EA			3'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	621.12 129.43	40.91
08 17 23 00-0113	EA			Pair 2' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	1,003.09 211.98	59.92
08 17 23 00-0114	EA			Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	1,014.40 212.59	64.30
08 17 23 00-0115	EA			Pair 3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	1,067.04 223.12	68.69
08 17 23 00-0116 Tempered Hardboard Faced <small>(08 17 23 00-0095)</small>						
08 17 23 00-0117	EA			2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	415.16 82.10	36.53
08 17 23 00-0118	EA			2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	421.15 83.54	36.53
08 17 23 00-0119	EA			2'-8" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	430.09 84.98	38.00
08 17 23 00-0120	EA			3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	445.02 87.87	39.46
08 17 23 00-0121	EA			3'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	471.87 94.31	39.46
08 17 23 00-0122	EA			3'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	499.96 100.35	40.91
08 17 23 00-0123	EA			Pair 2' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	804.00 164.20	59.92
08 17 23 00-0124	EA			Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	824.76 167.08	64.30
08 17 23 00-0125	EA			Pair 3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	869.58 175.73	68.69
08 17 23 00-0126 Oak Or Maple Faced <small>(08 17 23 00-0095)</small>						
08 17 23 00-0127	EA			2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	616.42 130.40	36.53
08 17 23 00-0128	EA			2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	619.73 131.20	36.53
08 17 23 00-0129	EA			2'-8" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	650.73 137.94	38.00
08 17 23 00-0130	EA			3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	660.99 139.70	39.46
08 17 23 00-0131	EA			3'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	724.08 154.84	39.46
08 17 23 00-0132	EA			3'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	801.77 172.79	40.91
08 17 23 00-0133	EA			Pair 2' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	1,206.52 260.81	59.92
08 17 23 00-0134	EA			Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	1,221.93 262.40	64.30
08 17 23 00-0135	EA			Pair 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	1,301.52 279.40	68.69
08 17 23 00-0136 Walnut Faced <small>(08 17 23 00-0095)</small>						
08 17 23 00-0137	EA			2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	786.10 171.13	36.53
08 17 23 00-0138	EA			2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	815.74 178.24	36.53
08 17 23 00-0139	EA			2'-8" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	828.60 180.63	38.00
08 17 23 00-0140	EA			3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	861.21 187.75	39.46
08 17 23 00-0141	EA			3'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	947.28 208.41	39.46
08 17 23 00-0142	EA			3'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	1,037.11 229.26	40.91
08 17 23 00-0143	EA			Pair 2' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	1,545.89 342.25	59.92
08 17 23 00-0144	EA			Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	1,613.94 356.48	64.30
08 17 23 00-0145	EA			Pair 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	1,701.97 375.50	68.69

08 30 Specialty Doors And Frames (08)

08	Openings
08 30	Specialty Doors And Frames
08 31	Access Doors And Panels



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 31 Access Doors And Panels (08 30)

See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.

08 31 13 Access Doors And Frames (08 31)

08 31 13 00-0001 Stainless Steel Access Doors (08 31 13)

08 31 13 00-0002 Fire Rated Stainless Steel Access Doors (08 31 13 00-0001)

08 31 13 00-0003	EA	12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch.....	324.05	34.25
08 31 13 00-0004	EA	12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	379.13	36.49
08 31 13 00-0005	EA	18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	445.01	38.60
08 31 13 00-0006	EA	24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	516.01	40.55
08 31 13 00-0007	EA	24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch.....	528.30	40.76
08 31 13 00-0008	EA	24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch.....	684.15	42.02

08 31 13 00-0009 Stainless Steel Access Doors (08 31 13 00-0001)

08 31 13 00-0010	EA	8" x 8" Stainless Steel Access Door With Cam Latch.....	119.45	26.27
08 31 13 00-0011	EA	12" x 12" Stainless Steel Access Door With Cam Latch.....	145.09	34.25
08 31 13 00-0012	EA	12" x 18" Stainless Steel Access Door With Cam Latch.....	213.43	36.49
08 31 13 00-0013	EA	18" x 18" Stainless Steel Access Door With Cam Latch.....	229.38	38.60
08 31 13 00-0014	EA	24" x 18" Stainless Steel Access Door With Cam Latch.....	268.64	40.55
08 31 13 00-0015	EA	24" x 24" Stainless Steel Access Door With Cam Latch.....	309.18	40.76

08 31 13 00-0016 Steel Access Doors (08 31 13)

Note: Includes paintable powder coated finish.

08 31 13 00-0017 Fire Rated Steel Access Doors (08 31 13 00-0016)

08 31 13 00-0018	EA	12" x 12" Fire Rated Steel Access Door With Cam Latch.....	171.70	34.46
08 31 13 00-0019	EA	12" x 18" Fire Rated Steel Access Door With Cam Latch.....	213.44	36.49
08 31 13 00-0020	EA	18" x 18" Fire Rated Steel Access Door With Cam Latch.....	213.01	38.60
08 31 13 00-0021	EA	24" x 18" Fire Rated Steel Access Door With Cam Latch.....	253.68	40.76
08 31 13 00-0022	EA	24" x 24" Fire Rated Steel Access Door With Cam Latch.....	265.42	40.76
08 31 13 00-0023	EA	24" x 36" Fire Rated Steel Access Door With Cam Latch.....	350.10	42.02
08 31 13 00-0024	EA	24" x 48" Fire Rated Steel Access Door With Cam Latch.....	404.47	43.78
08 31 13 00-0025	EA	36" x 36" Fire Rated Steel Access Door With Cam Latch.....	501.62	43.78
08 31 13 00-0026	EA	48" x 48" Fire Rated Steel Access Door With Cam Latch.....	644.31	52.53

08 31 13 00-0027 Steel Access Doors (08 31 13 00-0016)

08 31 13 00-0028	EA	8" x 8" Steel Access Door With Cam Latch.....	86.01	26.41
08 31 13 00-0029	EA	12" x 12" Steel Access Door With Cam Latch.....	92.14	34.46
08 31 13 00-0030	EA	12" x 18" Steel Access Door With Cam Latch.....	106.51	36.49
08 31 13 00-0031	EA	18" x 18" Steel Access Door With Cam Latch.....	109.34	38.60
08 31 13 00-0032	EA	24" x 18" Steel Access Door With Cam Latch.....	130.44	40.76
08 31 13 00-0033	EA	24" x 24" Steel Access Door With Cam Latch.....	133.68	40.76
08 31 13 00-0034	EA	24" x 36" Steel Access Door With Cam Latch.....	173.38	42.02
08 31 13 00-0035	EA	36" x 36" Steel Access Door With Cam Latch.....	230.90	43.78

08 31 13 00-0036 Steel Recessed Access Doors For Drywall Application (08 31 13)

Note: Includes paintable powder coated finish.

08 31 13 00-0037	EA	8" x 8" Recessed Steel Access Door With Cam Latch.....	124.91	26.27
		<i>For Recessed Doors In Acoustical Tile, Add</i>	10.16	
08 31 13 00-0038	EA	12" x 12" Recessed Steel Access Door With Cam Latch.....	130.61	28.16
		<i>For Recessed Doors In Acoustical Tile, Add</i>	11.36	
08 31 13 00-0039	EA	12" x 18" Recessed Steel Access Door With Cam Latch.....	140.46	29.76
		<i>For Recessed Doors In Acoustical Tile, Add</i>	11.69	
08 31 13 00-0040	EA	18" x 18" Recessed Steel Access Door With Cam Latch.....	165.41	31.52
		<i>For Recessed Doors In Acoustical Tile, Add</i>	9.86	
08 31 13 00-0041	EA	24" x 18" Recessed Steel Access Door With Cam Latch.....	174.01	33.27
		<i>For Recessed Doors In Acoustical Tile, Add</i>	10.50	
08 31 13 00-0042	EA	24" x 24" Recessed Steel Access Door With Cam Latch.....	191.08	33.27
		<i>For Recessed Doors In Acoustical Tile, Add</i>	7.94	
08 31 13 00-0043	EA	24" x 36" Recessed Steel Access Door With Cam Latch.....	237.93	42.02
		<i>For Recessed Doors In Acoustical Tile, Add</i>	10.54	
08 31 13 00-0044	EA	36" x 36" Recessed Steel Access Door With Cam Latch.....	342.81	43.78
		<i>For Recessed Doors In Acoustical Tile, Add</i>	-3.27	

08 31 13 00-0045 Steel Crawl Space Doors And Frames (08 31 13)

Note: Includes paintable powder coated finish.

08 31 13 00-0046	EA	24" x 24" Steel Crawl Space Door With Cam Latch.....	143.10	44.33
08 31 13 00-0047	EA	30" x 24" Steel Crawl Space Door With Cam Latch.....	202.28	53.72
08 31 13 00-0048	EA	30" x 30" Steel Crawl Space Door With Cam Latch.....	226.95	58.34

08 32 Sliding Glass Doors (08 30)

Note: Includes stock frames, trim, necessary anchors and Usual hardware.

08 32 13 Sliding Aluminum-Framed Glass Doors (08 32)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 32 13 00-001 Residential Sliding Aluminum-Framed Glass Doors (08 32 13)		
08 32 13 00-002 5/8" Insulating Glass, Sliding Aluminum-Framed Glass Doors (08 32 13 00-0001)		
08 32 13 00-0003 SF Up To 6' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware.....	17.69	2.63
For Custom Quality, Add	2.68	
For Tempered Glass, Add	1.42	
For Anodized Or Colored Aluminum Frames, Add	1.93	
08 32 13 00-0004 SF >6' Up To 12' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware.....	14.32	1.63
For Custom Quality, Add	2.57	
For Tempered Glass, Add	1.42	
For Anodized Or Colored Aluminum Frames, Add	1.85	
08 32 13 00-0005 1" Insulating Glass, Sliding Aluminum-Framed Glass Doors (08 32 13 00-0001)		
08 32 13 00-0006 SF >6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware.....	19.61	2.63
For Custom Quality, Add	3.16	
For Tempered Glass, Add	1.42	
For Anodized Or Colored Aluminum Frames, Add	2.28	
08 32 13 00-0007 SF >6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware.....	16.21	1.63
For Custom Quality, Add	3.04	
For Tempered Glass, Add	1.42	
For Anodized Or Colored Aluminum Frames, Add	2.19	
08 32 19 Sliding Wood-Framed Glass Doors (08 32)		
08 32 19 00-0001 Residential Wood Sliding Doors With 5/8" Glass (08 32 19)		
08 32 19 00-0002 EA 6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	1,897.97	78.91
08 32 19 00-0003 EA 8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,316.83	96.45
08 32 19 00-0004 EA 9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,677.82	111.06
08 32 19 00-0005 EA 6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,100.44	78.91
08 32 19 00-0006 EA 8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,578.34	96.45
08 32 19 00-0007 EA 9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	3,001.45	111.06
08 33 Coiling Doors And Grilles (08 30)		
08 33 13 Coiling Counter Doors (08 33)		
08 33 13 00-0001 Aluminum Overhead Coiling Counter Shutters (08 33 13)		
Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Excludes steel framing supports.		
08 33 13 00-0002 EA 4' x 4', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	1,638.93	268.45
For Steel Doors, Deduct	-35.00	
For Stainless Steel Doors, Add	78.00	
For Fire Rated, Add	65.00	
For Motor Operator (With Safety Reverse), Add	717.11	
08 33 13 00-0003 EA 6' x 4', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	1,845.50	268.45
For Steel Doors, Deduct	-71.00	
For Stainless Steel Doors, Add	130.00	
For Fire Rated, Add	65.00	
For Motor Operator (With Safety Reverse), Add	717.11	
08 33 13 00-0004 EA 8' x 4', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	2,085.92	285.22
For Steel Doors, Deduct	-115.00	
For Stainless Steel Doors, Add	225.00	
For Fire Rated, Add	65.00	
For Motor Operator (With Safety Reverse), Add	720.50	
08 33 13 00-0005 EA 10' x 4', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	2,422.24	335.56
For Steel Doors, Deduct	-142.00	
For Stainless Steel Doors, Add	315.00	
For Fire Rated, Add	65.00	
For Motor Operator (With Safety Reverse), Add	733.47	
08 33 13 00-0006 EA 4' x 6', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	1,798.32	268.45
For Steel Doors, Deduct	-40.00	
For Stainless Steel Doors, Add	85.00	
For Fire Rated, Add	65.00	
For Motor Operator (With Safety Reverse), Add	717.11	
08 33 13 00-0007 EA 6' x 6', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	2,079.46	298.24
For Steel Doors, Deduct	-80.00	
For Stainless Steel Doors, Add	145.00	
For Fire Rated, Add	65.00	
For Motor Operator (With Safety Reverse), Add	724.57	
08 33 13 00-0008 EA 10' x 6', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	2,585.81	335.56
For Steel Doors, Deduct	-156.00	
For Stainless Steel Doors, Add	240.00	
For Fire Rated, Add	65.00	
For Motor Operator (With Safety Reverse), Add	733.89	
08 33 13 00-0009 Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters (08 33 13)		
Note: Includes stainless steel frame and sill, necessary anchors, track and hardware. Includes clear anodized aluminum finish. Excludes steel framing supports.		

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0010	EA		4' x 4', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	5,925.93	268.45
			<i>For Steel Doors, Deduct</i>	-35.00	
			<i>For Stainless Steel Doors, Add</i>	78.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	717.11	
08 33 13 00-0011	EA		6' x 4', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	6,298.01	268.45
			<i>For Steel Doors, Deduct</i>	-71.00	
			<i>For Stainless Steel Doors, Add</i>	130.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	717.11	
08 33 13 00-0012	EA		8' x 4', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	6,717.93	285.22
			<i>For Steel Doors, Deduct</i>	-115.00	
			<i>For Stainless Steel Doors, Add</i>	225.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	720.50	
08 33 13 00-0013	EA		10' x 4', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	7,257.82	335.56
			<i>For Steel Doors, Deduct</i>	-142.00	
			<i>For Stainless Steel Doors, Add</i>	315.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	733.47	
08 33 13 00-0014	EA		4' x 6', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	6,144.47	268.45
			<i>For Steel Doors, Deduct</i>	-40.00	
			<i>For Stainless Steel Doors, Add</i>	85.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	717.11	
08 33 13 00-0015	EA		6' x 6', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	6,561.80	298.24
			<i>For Steel Doors, Deduct</i>	-80.00	
			<i>For Stainless Steel Doors, Add</i>	145.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	724.57	
08 33 13 00-0016	EA		10' x 6', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	7,713.08	335.56
			<i>For Steel Doors, Deduct</i>	-156.00	
			<i>For Stainless Steel Doors, Add</i>	240.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	733.89	

08 33 23 Overhead Coiling Doors (08 33)

08 33 23 00-0001 Galvanized Steel Overhead Coiling Doors (Width x Height) (08 33 23)

08 33 23 00-0002 26 Gauge Galvanized Steel Overhead Coiling Doors, Storage Unit Style (08 33 23 00-0001)

08 33 23 00-0003	EA	4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	532.18	160.74
08 33 23 00-0004	EA	4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	590.43	175.36
08 33 23 00-0005	EA	5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	587.04	175.36
08 33 23 00-0006	EA	5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	649.78	189.97
08 33 23 00-0007	EA	6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	641.96	189.97
08 33 23 00-0008	EA	6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	704.30	204.58
08 33 23 00-0009	EA	6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	779.62	219.20
08 33 23 00-0010	EA	8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	687.66	189.97
08 33 23 00-0011	EA	8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	741.19	204.58
08 33 23 00-0012	EA	8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	805.44	219.20
08 33 23 00-0013	EA	8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	902.42	233.81
08 33 23 00-0014	EA	10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	829.96	233.81
08 33 23 00-0015	EA	10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	880.13	233.81
08 33 23 00-0016	EA	10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	976.27	248.42
08 33 23 00-0017	EA	10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,039.99	263.04

08 33 23 00-0018 24 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 00-0001)

Note: With curtain hood (barrel cover).

08 33 23 00-0019	EA	8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	1,980.76	189.97
		<i>For Insulated, Add</i>	1,229.11	
08 33 23 00-0020	EA	8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,065.32	204.58
		<i>For Insulated, Add</i>	1,272.80	
08 33 23 00-0021	EA	8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,286.06	233.81
		<i>For Insulated, Add</i>	1,398.90	
08 33 23 00-0022	EA	8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,454.87	233.81
		<i>For Insulated, Add</i>	1,525.51	
08 33 23 00-0023	EA	10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,222.93	233.81
		<i>For Insulated, Add</i>	1,351.55	
08 33 23 00-0024	EA	10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,349.12	233.81
		<i>For Insulated, Add</i>	1,446.20	
08 33 23 00-0025	EA	10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,533.69	263.04
		<i>For Insulated, Add</i>	1,545.21	
08 33 23 00-0026	EA	10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,715.55	263.04
		<i>For Insulated, Add</i>	1,681.61	
08 33 23 00-0027	EA	12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,446.64	263.04
		<i>For Insulated, Add</i>	1,479.92	
08 33 23 00-0028	EA	12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,651.35	292.26
		<i>For Insulated, Add</i>	1,593.96	
08 33 23 00-0029	EA	12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,943.69	365.33
		<i>For Insulated, Add</i>	1,714.58	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0030	EA		12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	3,209.34 1,913.82	365.33
08 33 23 00-0031	EA		14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	3,181.67 1,893.06	365.33
08 33 23 00-0032	EA		14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	3,485.97 2,121.29	365.33
08 33 23 00-0033	EA		14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	3,808.72 2,363.35	365.33
08 33 23 00-0034			22 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 00-0001) Note: With curtain hood (barrel cover).		
08 33 23 00-0035	EA		4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	1,730.00 206.90 344.83 1,060.79	175.36
08 33 23 00-0036	EA		4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	1,897.21 227.59 379.31 1,166.43	189.97
08 33 23 00-0037	EA		4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	2,017.56 241.25 402.09 1,236.95	204.58
08 33 23 00-0038	EA		6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	1,913.55 230.04 383.40 1,178.69	189.97
08 33 23 00-0039	EA		6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	2,096.16 253.04 421.74 1,295.90	204.58
08 33 23 00-0040	EA		6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	2,295.48 274.18 456.97 1,405.97	233.81
08 33 23 00-0041	EA		6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	2,787.61 339.24 565.40 1,735.64	263.04
08 33 23 00-0042	EA		6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	3,279.81 404.29 673.82 2,065.31	292.26
08 33 23 00-0043	EA		8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	2,076.02 254.41 424.02 1,300.54	189.97
08 33 23 00-0044	EA		8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	2,333.27 279.85 466.41 1,434.31	233.81
08 33 23 00-0045	EA		8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	2,604.46 302.99 504.99 1,558.79	292.26
08 33 23 00-0046	EA		8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	3,077.15 365.14 608.57 1,873.91	321.49
08 33 23 00-0047	EA		8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	3,550.09 427.28 712.14 2,189.03	350.71
08 33 23 00-0048	EA		10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	2,649.05 307.49 512.48 1,582.36	299.57
08 33 23 00-0049	EA		10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	3,009.09 341.77 569.61 1,763.63	365.33
08 33 23 00-0050	EA		10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	3,588.65 406.81 678.01 2,099.78	438.39
08 33 23 00-0051	EA		10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	4,197.70 471.85 786.41 2,438.13	526.07
08 33 23 00-0052	EA		10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	4,813.42 529.06 881.77 2,741.77	642.98

08 Openings
08 30 Specialty Doors And Frames
08 33 Coiling Doors And Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0053	EA		10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,310.88	701.43
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	586.27	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	977.12	
			<i>For Insulated, Add</i>	3,036.53	
08 33 23 00-0054	EA		10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,808.91	759.88
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	643.48	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	1,072.47	
			<i>For Insulated, Add</i>	3,331.34	
08 33 23 00-0055	EA		10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,306.07	818.33
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	700.45	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	1,167.42	
			<i>For Insulated, Add</i>	3,624.98	
08 33 23 00-0056	EA		12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,995.30	350.71
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	344.06	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	573.44	
			<i>For Insulated, Add</i>	1,772.94	
08 33 23 00-0057	EA		12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,407.41	438.39
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	379.62	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	632.70	
			<i>For Insulated, Add</i>	1,963.85	
08 33 23 00-0058	EA		12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,098.42	496.84
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	465.75	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	776.25	
			<i>For Insulated, Add</i>	2,403.26	
08 33 23 00-0059	EA		12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,848.26	584.52
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	551.88	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	919.80	
			<i>For Insulated, Add</i>	2,847.09	
08 33 23 00-0060	EA		12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,576.14	701.43
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	626.06	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	1,043.43	
			<i>For Insulated, Add</i>	3,235.48	
08 33 23 00-0061	EA		12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,187.28	759.88
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	700.24	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	1,167.06	
			<i>For Insulated, Add</i>	3,615.11	
08 33 23 00-0062	EA		12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,858.02	847.56
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	774.42	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	1,290.69	
			<i>For Insulated, Add</i>	3,999.22	
08 33 23 00-0063	EA		12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,528.34	935.24
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	848.59	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	1,414.32	
			<i>For Insulated, Add</i>	4,383.28	
08 33 23 00-0064			20 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 00-0001)		
			Note: With curtain hood (barrel cover)		
08 33 23 00-0065	EA		14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,807.93	438.39
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	439.70	
			<i>For Insulated, Add</i>	2,264.24	
08 33 23 00-0066	EA		14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,322.74	496.84
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	499.40	
			<i>For Insulated, Add</i>	2,571.50	
08 33 23 00-0067	EA		14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,943.61	555.30
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	574.98	
			<i>For Insulated, Add</i>	2,958.18	
08 33 23 00-0068	EA		14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,498.89	613.75
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	640.64	
			<i>For Insulated, Add</i>	3,295.27	
08 33 23 00-0069	EA		14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,206.06	730.65
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	711.71	
			<i>For Insulated, Add</i>	3,668.16	
08 33 23 00-0070	EA		14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,796.01	789.11
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	782.69	
			<i>For Insulated, Add</i>	4,031.80	
08 33 23 00-0071	EA		14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,160.46	876.78
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	960.93	
			<i>For Insulated, Add</i>	4,936.21	
08 33 23 00-0072	EA		14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,522.29	964.46
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	1,139.17	
			<i>For Insulated, Add</i>	5,840.42	
08 33 23 00-0073	EA		16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,717.99	526.07
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	549.89	
			<i>For Insulated, Add</i>	2,828.35	
08 33 23 00-0074	EA		16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,304.18	584.52
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	620.27	
			<i>For Insulated, Add</i>	3,189.03	
08 33 23 00-0075	EA		16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,884.27	672.20
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	680.99	
			<i>For Insulated, Add</i>	3,505.77	
08 33 23 00-0076	EA		16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,482.38	759.88
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	744.50	
			<i>For Insulated, Add</i>	3,836.44	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0077	EA		16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	7,076.84 816.07 4,203.06	818.33
08 33 23 00-0078	EA		16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	7,773.23 902.84 4,645.78	876.78
08 33 23 00-0079	EA		16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	8,830.74 1,043.95 5,360.08	935.24
08 33 23 00-0080	EA		16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	9,888.34 1,186.52 6,081.73	993.69
08 33 23 00-0081	EA		18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	5,124.97 575.79 2,975.43	642.98
08 33 23 00-0082	EA		18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	5,648.41 636.90 3,289.68	701.43
08 33 23 00-0083	EA		18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	6,485.88 736.17 3,799.21	789.11
08 33 23 00-0084	EA		18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	7,199.20 816.74 4,215.26	876.78
08 33 23 00-0085	EA		18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	7,858.11 898.06 4,630.61	935.24
08 33 23 00-0086	EA		18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	8,517.99 979.47 5,046.47	993.69
08 33 23 00-0087	EA		18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	9,757.79 1,147.82 5,897.04	1,052.14
08 33 23 00-0088	EA		18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	11,025.00 1,320.63 6,769.69	1,110.59
08 33 23 00-0089	EA		20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	5,768.22 654.87 3,379.54	701.43
08 33 23 00-0090	EA		20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	6,770.67 787.75 4,052.66	759.88
08 33 23 00-0091			18 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 00-0001) Note: With curtain hood (barrel cover).		
08 33 23 00-0092	EA		20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	8,084.58 4,919.14	847.56
08 33 23 00-0093	EA		20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	9,193.33 5,671.20	906.01
08 33 23 00-0094	EA		20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	10,475.55 6,553.65	964.46
08 33 23 00-0095	EA		20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	11,921.78 7,559.85	1,022.92
08 33 23 00-0096	EA		20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	13,374.56 8,571.77	1,081.37
08 33 23 00-0097	EA		20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	14,857.62 9,604.40	1,139.82
08 33 23 00-0098	EA		22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	6,465.94 3,824.11	759.88
08 33 23 00-0099	EA		22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	7,634.78 4,621.52	818.33
08 33 23 00-0100	EA		22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	9,051.08 5,564.51	906.01
08 33 23 00-0101	EA		22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	10,517.10 6,586.53	964.46
08 33 23 00-0102	EA		22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	11,992.32 7,612.75	1,022.92
08 33 23 00-0103	EA		22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	13,628.26 8,762.05	1,081.37
08 33 23 00-0104	EA		22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	15,272.62 9,915.65	1,139.82
08 33 23 00-0105	EA		22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	16,903.83 11,060.85	1,198.27
08 33 23 00-0106	EA		24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	7,099.21 4,219.84	818.33
08 33 23 00-0107	EA		24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	7,935.87 4,767.76	876.78
08 33 23 00-0108	EA		24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	9,823.39 6,066.24	964.46
08 33 23 00-0109	EA		24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	11,472.90 7,223.19	1,022.92
08 33 23 00-0110	EA		24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	13,051.32 8,329.34	1,081.37

08 Openings
08 30 Specialty Doors And Frames
08 33 Coiling Doors And Grilles



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 33 23 00-0111	EA	24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	14,795.95 9,558.14	1,139.82
08 33 23 00-0112	EA	24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	16,842.23 11,014.65	1,198.27
08 33 23 00-0113	EA	24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	18,947.31 12,512.75	1,256.72
08 33 23 00-0114 Aluminum Overhead Coiling Doors (Width x Height) (08 33 23)				
08 33 23 00-0115 0.04" Aluminum Overhead Coiling Doors (08 33 23 00-0114)				
08 33 23 00-0116	EA	4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,339.06	175.36
08 33 23 00-0117	EA	4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,465.24	189.97
08 33 23 00-0118	EA	4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,856.07	204.58
08 33 23 00-0119	EA	6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,661.07	189.97
08 33 23 00-0120	EA	6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,810.21	204.58
08 33 23 00-0121	EA	6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,988.53	233.81
08 33 23 00-0122	EA	6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,202.81	263.04
08 33 23 00-0123	EA	6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,419.79	292.26
08 33 23 00-0124	EA	8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,809.04	189.97
08 33 23 00-0125	EA	8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,058.97	233.81
08 33 23 00-0126	EA	8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,340.67	292.26
08 33 23 00-0127	EA	8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,555.09	321.49
08 33 23 00-0128	EA	8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,770.64	350.71
08 33 23 00-0129	EA	10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,382.61	306.87
08 33 23 00-0130	EA	10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,660.58	365.33
08 33 23 00-0131	EA	10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,005.19	438.39
08 33 23 00-0132	EA	10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,380.40	526.07
08 33 23 00-0133	EA	10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,956.30	642.98
08 33 23 00-0134	EA	10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,413.86	701.43
08 33 23 00-0135	EA	10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,868.73	759.88
08 33 23 00-0136	EA	10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,325.31	818.33
08 33 23 00-0137	EA	12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,627.43	350.71
08 33 23 00-0138	EA	12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,191.54	438.39
08 33 23 00-0139	EA	12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,611.54	496.84
08 33 23 00-0140	EA	12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,092.20	584.52
08 33 23 00-0141	EA	12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,738.74	701.43
08 33 23 00-0142	EA	12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,270.10	759.88
08 33 23 00-0143	EA	12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,632.82	847.56
08 33 23 00-0144	EA	12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,997.24	935.24
08 33 23 00-0145 0.05" Aluminum Overhead Coiling Doors (08 33 23 00-0145)				
08 33 23 00-0146	EA	14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	3,041.34	438.39
08 33 23 00-0147	EA	14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	3,591.08	496.84
08 33 23 00-0148	EA	14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,130.80	555.30
08 33 23 00-0149	EA	14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,630.07	613.75
08 33 23 00-0150	EA	14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,278.42	730.65
08 33 23 00-0151	EA	14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,810.19	789.11
08 33 23 00-0152	EA	14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,410.37	876.78
08 33 23 00-0153	EA	14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,008.02	964.46
08 33 23 00-0154	EA	16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	3,607.48	526.07
08 33 23 00-0155	EA	16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,181.75	584.52
08 33 23 00-0156	EA	16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,791.27	672.20
08 33 23 00-0157	EA	16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,416.83	759.88
08 33 23 00-0158	EA	16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,031.20	818.33
08 33 23 00-0159	EA	16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,684.49	876.78
08 33 23 00-0160	EA	16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,305.94	935.24
08 33 23 00-0161	EA	16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,888.02	993.69
08 33 23 00-0162	EA	18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,124.85	642.98
08 33 23 00-0163	EA	18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,737.89	701.43
08 33 23 00-0164	EA	18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,468.69	789.11
08 33 23 00-0165	EA	18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,190.05	876.78
08 33 23 00-0166	EA	18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,860.19	935.24
08 33 23 00-0167	EA	18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,525.54	993.69
08 33 23 00-0168	EA	18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,189.95	1,052.14
08 33 23 00-0169	EA	18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,857.20	1,110.59
08 33 23 00-0170	EA	20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,625.17	701.43
08 33 23 00-0171	EA	20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,250.31	759.88
08 33 23 00-0172	EA	20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,275.76	847.56
08 33 23 00-0173	EA	20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,895.69	906.01
08 33 23 00-0174	EA	20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,633.02	964.46
08 33 23 00-0175	EA	20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,397.39	1,022.92
08 33 23 00-0176	EA	20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,117.01	1,081.37
08 33 23 00-0177	EA	20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,866.54	1,139.82
08 33 23 00-0178	EA	22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,314.36	759.88
08 33 23 00-0179	EA	22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,082.42	818.33
08 33 23 00-0180	EA	22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,002.00	906.01
08 33 23 00-0181	EA	22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,843.07	964.46
08 33 23 00-0182	EA	22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,686.88	1,022.92
08 33 23 00-0183	EA	22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,535.87	1,081.37



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0184	EA		22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,339.19	1,139.82
08 33 23 00-0185	EA		22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,146.73	1,198.27
08 33 23 00-0186	EA		24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,827.52	818.33
08 33 23 00-0187	EA		24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,336.07	876.78
08 33 23 00-0188	EA		24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,588.18	964.46
08 33 23 00-0189	EA		24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,538.27	1,022.92
08 33 23 00-0190	EA		24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,432.12	1,081.37
08 33 23 00-0191	EA		24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,328.95	1,139.82
08 33 23 00-0192	EA		24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,356.80	1,198.27
08 33 23 00-0193	EA		24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,426.82	1,256.72
08 33 23 00-0194			Removal And Reinstallation Of Roll-Up Door And Support (08 33 23)		
			Note: Includes storage, cleaning and supply materials.		
08 33 23 00-0195	SF		Removal And Reinstallation Of Metal Roll-up Door And Supports.....	12.58	
08 33 23 00-0196			Overhead Coiling Door Accessories (08 33 23)		
08 33 23 00-0197	LF		Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only.....	2.30	0.73
08 33 23 00-0198	LF		Top Of Door (Lintel), Weather Strip Seal For Coiling Doors	17.07	0.88
08 33 23 00-0199	LF		Side Of Door (Guides), Weather Strip Seal For Coiling Doors.....	16.28	0.88
08 33 23 00-0200	EA		Cylinder Lock For Coiling Doors	153.97	36.53
08 33 23 00-0201	EA		Jackshaft Operator For Coiling Doors.....	1,043.59	116.90
			Note: Includes three button inside station controls and mounting hardware.		
08 33 23 00-0202	EA		Remote Transmitter Kit For Coiling Door Operators	200.10	58.45
08 33 26			Overhead Coiling Grilles (08 33)		
			Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.		
08 33 26 00-0001			Steel Overhead Coiling Grilles (Width x Height) (08 33 26)		
08 33 26 00-0002	EA		4' x 4', Steel Overhead Coiling Grilles, Manual Lift	2,129.51	117.44
			For Aluminum With Clear Or Anodized Bronze Finish, Add	430.55	
			For Staggered Brick Pattern, Add	44.85	
			For Lexan Lattice Pattern, Add	269.09	
08 33 26 00-0003	EA		6' x 4', Steel Overhead Coiling Grilles, Manual Lift	2,358.93	117.44
			For Aluminum With Clear Or Anodized Bronze Finish, Add	465.61	
			For Staggered Brick Pattern, Add	50.58	
			For Lexan Lattice Pattern, Add	303.51	
08 33 26 00-0004	EA		8' x 4', Steel Overhead Coiling Grilles, Manual Lift	2,702.35	156.57
			For Aluminum With Clear Or Anodized Bronze Finish, Add	541.19	
			For Staggered Brick Pattern, Add	56.37	
			For Lexan Lattice Pattern, Add	338.24	
08 33 26 00-0005	EA		12' x 4', Steel Overhead Coiling Grilles, Manual Lift	3,254.48	156.57
			For Aluminum With Clear Or Anodized Bronze Finish, Add	673.70	
			For Staggered Brick Pattern, Add	70.18	
			For Lexan Lattice Pattern, Add	421.06	
08 33 26 00-0006	EA		16' x 4', Steel Overhead Coiling Grilles, Manual Lift	4,382.70	234.89
			For Aluminum With Clear Or Anodized Bronze Finish, Add	890.78	
			For Staggered Brick Pattern, Add	92.79	
			For Lexan Lattice Pattern, Add	556.74	
08 33 26 00-0007	EA		20' x 4', Steel Overhead Coiling Grilles, Manual Lift	5,510.93	313.08
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,107.87	
			For Staggered Brick Pattern, Add	115.40	
			For Lexan Lattice Pattern, Add	692.42	
08 33 26 00-0008	EA		24' x 4', Steel Overhead Coiling Grilles, Manual Lift	6,894.00	375.83
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,396.44	
			For Staggered Brick Pattern, Add	145.46	
			For Lexan Lattice Pattern, Add	872.77	
08 33 26 00-0009	EA		30' x 4', Steel Overhead Coiling Grilles, Manual Lift	8,454.32	469.78
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,706.90	
			For Staggered Brick Pattern, Add	177.80	
			For Lexan Lattice Pattern, Add	1,066.81	
08 33 26 00-0010	EA		4' x 6', Steel Overhead Coiling Grilles, Manual Lift	2,304.64	117.44
			For Aluminum With Clear Or Anodized Bronze Finish, Add	472.58	
			For Staggered Brick Pattern, Add	49.23	
			For Lexan Lattice Pattern, Add	295.36	
08 33 26 00-0011	EA		6' x 6', Steel Overhead Coiling Grilles, Manual Lift	2,634.15	117.44
			For Aluminum With Clear Or Anodized Bronze Finish, Add	551.66	
			For Staggered Brick Pattern, Add	57.46	
			For Lexan Lattice Pattern, Add	344.79	
08 33 26 00-0012	EA		8' x 6', Steel Overhead Coiling Grilles, Manual Lift	2,940.37	156.64
			For Aluminum With Clear Or Anodized Bronze Finish, Add	598.31	
			For Staggered Brick Pattern, Add	62.32	
			For Lexan Lattice Pattern, Add	373.94	
08 33 26 00-0013	EA		12' x 6', Steel Overhead Coiling Grilles, Manual Lift	3,576.53	156.64
			For Aluminum With Clear Or Anodized Bronze Finish, Add	750.99	
			For Staggered Brick Pattern, Add	78.23	
			For Lexan Lattice Pattern, Add	469.37	
08 33 26 00-0014	EA		16' x 6', Steel Overhead Coiling Grilles, Manual Lift	4,834.42	234.89
			For Aluminum With Clear Or Anodized Bronze Finish, Add	999.19	
			For Staggered Brick Pattern, Add	104.08	
			For Lexan Lattice Pattern, Add	624.50	

08 Openings**08 30 Specialty Doors And Frames****08 33 Coiling Doors And Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0015	EA		20' x 6', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	6,089.92 1,247.40 129.94 779.62	313.08
08 33 26 00-0016	EA		24' x 6', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	7,647.40 1,577.25 164.30 985.78	375.83
08 33 26 00-0017	EA		30' x 6', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	9,204.70 1,886.99 196.56 1,179.37	469.78
08 33 26 00-0018	EA		4' x 8', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	2,633.39 535.45 55.78 334.66	140.94
08 33 26 00-0019	EA		6' x 8', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	3,031.47 630.99 65.73 394.37	140.94
08 33 26 00-0020	EA		8' x 8', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	3,631.24 750.58 78.19 469.11	176.17
08 33 26 00-0021	EA		12' x 8', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	4,205.34 888.36 92.54 555.23	176.17
08 33 26 00-0022	EA		16' x 8', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	5,689.84 1,171.97 122.08 732.48	281.87
08 33 26 00-0023	EA		20' x 8', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	7,069.58 1,455.58 151.62 909.74	352.33
08 33 26 00-0024	EA		24' x 8', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	8,963.52 1,861.56 193.91 1,163.47	422.81
08 33 26 00-0025	EA		30' x 8', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	10,928.09 2,269.52 236.41 1,418.45	516.75
08 33 26 00-0026	EA		4' x 10', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	2,921.92 604.70 62.99 377.94	140.94
08 33 26 00-0027	EA		6' x 10', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	3,449.51 731.32 76.18 457.07	140.94
08 33 26 00-0028	EA		8' x 10', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	4,096.03 862.49 89.84 539.05	176.17
08 33 26 00-0029	EA		12' x 10', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	4,815.01 1,035.04 107.82 646.90	176.17
08 33 26 00-0030	EA		16' x 10', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	6,488.94 1,363.75 142.06 852.35	281.87
08 33 26 00-0031	EA		20' x 10', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	8,056.58 1,692.46 176.30 1,057.79	352.33
08 33 26 00-0032	EA		24' x 10', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	10,156.02 2,147.76 223.72 1,342.35	422.81
08 33 26 00-0033	EA		30' x 10', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	12,769.44 2,711.45 282.44 1,694.66	516.75
08 33 26 00-0034	EA		4' x 12', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	3,252.34 684.00 71.25 427.50	140.94
08 33 26 00-0035	EA		6' x 12', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	3,347.98 706.95 73.64 441.84	140.94



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0036	EA			8' x 12', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	4,065.59 854.82 89.04 534.26	176.17
08 33 26 00-0037	EA			12' x 12', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	5,503.32 1,199.88 124.99 749.92	176.17
08 33 26 00-0038	EA			16' x 12', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	7,618.55 1,634.86 170.30 1,021.79	281.87
08 33 26 00-0039	EA			20' x 12', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	9,629.01 2,069.84 215.61 1,293.65	352.33
08 33 26 00-0040	EA			24' x 12', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	11,684.15 2,514.51 261.93 1,571.57	422.81
08 33 26 00-0041	EA			30' x 12', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	14,588.71 3,148.07 327.92 1,967.55	516.75
08 33 26 00-0042	EA			4' x 14', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	3,843.31 825.83 86.02 516.14	140.94
08 33 26 00-0043	EA			6' x 14', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	4,488.55 980.69 102.16 612.93	140.94
08 33 26 00-0044	EA			8' x 14', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	5,240.87 1,137.25 118.46 710.78	176.17
08 33 26 00-0045	EA			12' x 14', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	6,596.29 1,462.55 152.35 914.09	176.17
08 33 26 00-0046	EA			16' x 14', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	8,745.60 1,905.35 198.47 1,190.85	281.87
08 33 26 00-0047	EA			20' x 14', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	10,788.66 2,348.16 244.60 1,467.60	352.33
08 33 26 00-0048	EA			24' x 14', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	12,888.16 2,803.47 292.03 1,752.17	422.81
08 33 26 00-0049	EA			30' x 14', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	16,550.17 3,618.82 376.96 2,261.76	516.75
08 33 26 00-0050				Coiling Grilles Accessories (08 33 26)		
08 33 26 00-0051	EA			Add For Motor Operator Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	2,089.45	28.53
08 33 26 00-0052	LF			For Safety Edge Bottom Bar, Electric, Add	57.78	
08 33 26 00-0053	LF			For Overhead Framed Rolling Grille Supports	68.93	
08 33 36				Side Coiling Grilles (08 33)		
08 33 36 00-0001				Steel Side Coiling Grilles (Width x Height) (08 33 36)		
08 33 36 00-0002	EA			12' x 8', Steel Side Coiling Grilles, Manually Operated <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	5,333.91 1,009.89 105.20 631.18	394.08
08 33 36 00-0003	EA			18' x 8', Steel Side Coiling Grilles, Manually Operated <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	7,624.64 1,482.78 154.46 926.74	506.22
08 33 36 00-0004	EA			24' x 8', Steel Side Coiling Grilles, Manually Operated <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	9,938.42 1,947.54 202.87 1,217.21	638.29
08 33 36 00-0005	EA			30' x 8', Steel Side Coiling Grilles, Manually Operated <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	12,157.58 2,434.42 253.59 1,521.51	704.67

08 Openings**08 30 Specialty Doors And Frames****08 33 Coiling Doors And Grilles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 36 00-0006 EA 12' x 10', Steel Side Coiling Grilles, Manually Operated For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add For Lexan Lattice Pattern, Add	6,539.83 1,261.47 131.40 788.42	449.32
08 33 36 00-0007 EA 18' x 10', Steel Side Coiling Grilles, Manually Operated For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add For Lexan Lattice Pattern, Add	9,377.19 1,854.59 193.19 1,159.12	577.10
08 33 36 00-0008 EA 24' x 10', Steel Side Coiling Grilles, Manually Operated For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add For Lexan Lattice Pattern, Add	12,038.04 2,390.16 248.98 1,493.85	727.42
08 33 36 00-0009 EA 30' x 10', Steel Side Coiling Grilles, Manually Operated For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add For Lexan Lattice Pattern, Add	14,980.25 3,042.14 316.89 1,901.34	803.32
08 33 36 00-0010 EA 12' x 12', Steel Side Coiling Grilles, Manually Operated For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add For Lexan Lattice Pattern, Add	7,755.58 1,514.21 157.73 946.38	506.22
08 33 36 00-0011 EA 18' x 12', Steel Side Coiling Grilles, Manually Operated For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add For Lexan Lattice Pattern, Add	11,122.40 2,221.97 231.45 1,388.73	650.17
08 33 36 00-0012 EA 24' x 12', Steel Side Coiling Grilles, Manually Operated For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add For Lexan Lattice Pattern, Add	14,502.38 2,921.31 304.30 1,825.82	819.77
08 33 36 00-0013 EA 30' x 12', Steel Side Coiling Grilles, Manually Operated For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add For Lexan Lattice Pattern, Add	17,800.33 3,651.63 380.38 2,282.27	904.33
08 33 36 00-0014 EA 12' x 14', Steel Side Coiling Grilles, Manually Operated For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add For Lexan Lattice Pattern, Add	8,974.93 1,770.49 184.43 1,106.56	559.71
08 33 36 00-0015 EA 18' x 14', Steel Side Coiling Grilles, Manually Operated For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add For Lexan Lattice Pattern, Add	12,878.71 2,593.77 270.18 1,621.10	718.76
08 33 36 00-0016 EA 24' x 14', Steel Side Coiling Grilles, Manually Operated For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add For Lexan Lattice Pattern, Add	16,782.01 3,408.19 355.02 2,130.12	906.20
08 33 36 00-0017 EA 30' x 14', Steel Side Coiling Grilles, Manually Operated For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add For Lexan Lattice Pattern, Add	20,600.02 4,258.03 443.54 2,661.27	1,000.64
08 33 39 High Speed Doors (08 33)		
08 33 39 00-0001 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39) Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.		
08 33 39 00-0002 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0001)		
08 33 39 00-0003 6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		
08 33 39 00-0004 EA 6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,325.30	233.81
08 33 39 00-0005 EA 6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,473.69	243.75
08 33 39 00-0006 EA 6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,645.55	253.68
08 33 39 00-0007 EA 6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,886.76	263.62
08 33 39 00-0008 EA 6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,133.07	273.56
08 33 39 00-0009 EA 6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,550.74	283.49
08 33 39 00-0010 EA 6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,846.02	293.43
08 33 39 00-0011 7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		
08 33 39 00-0012 EA 7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,507.35	243.75
08 33 39 00-0013 EA 7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,697.57	253.68
08 33 39 00-0014 EA 7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,937.76	263.62
08 33 39 00-0015 EA 7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,192.23	273.56
08 33 39 00-0016 EA 7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,529.32	283.49
08 33 39 00-0017 EA 7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,936.80	293.43
08 33 39 00-0018 EA 7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,257.58	303.36
08 33 39 00-0019 8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0020 EA 8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,730.21	253.68
08 33 39 00-0021 EA 8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,969.38	263.62
08 33 39 00-0022 EA 8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,234.05	273.56
08 33 39 00-0023 EA 8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,581.34	283.49
08 33 39 00-0024 EA 8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,893.96	293.43
08 33 39 00-0025 EA 8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,338.16	303.36
08 33 39 00-0026 EA 8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,701.77	313.30
08 33 39 00-0027 9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		
08 33 39 00-0028 EA 9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,003.04	263.62
08 33 39 00-0029 EA 9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,265.67	273.56
08 33 39 00-0030 EA 9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,612.96	283.49
08 33 39 00-0031 EA 9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,935.78	293.43
08 33 39 00-0032 EA 9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,274.92	303.36
08 33 39 00-0033 EA 9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,627.31	313.30
08 33 39 00-0034 EA 9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,014.39	323.24
08 33 39 00-0035 10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		
08 33 39 00-0036 EA 10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,292.19	273.56
08 33 39 00-0037 EA 10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,646.62	283.49
08 33 39 00-0038 EA 10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,966.38	293.43
08 33 39 00-0039 EA 10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,308.58	303.36
08 33 39 00-0040 EA 10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,688.51	313.30
08 33 39 00-0041 EA 10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,761.43	323.24
08 33 39 00-0042 EA 10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,410.64	333.17
08 33 39 00-0043 11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		
08 33 39 00-0044 EA 11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,666.00	283.49
08 33 39 00-0045 EA 11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,993.92	293.43
08 33 39 00-0046 EA 11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,340.20	303.36
08 33 39 00-0047 EA 11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,721.15	313.30
08 33 39 00-0048 EA 11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,969.51	323.24
08 33 39 00-0049 EA 11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,465.72	333.17
08 33 39 00-0050 EA 11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,871.15	343.11
08 33 39 00-0051 12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		
08 33 39 00-0052 EA 12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,003.10	293.43
08 33 39 00-0053 EA 12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,358.56	303.36
08 33 39 00-0054 EA 12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,746.65	313.30
08 33 39 00-0055 EA 12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,004.19	323.24
08 33 39 00-0056 EA 12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,344.34	333.17
08 33 39 00-0057 EA 12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,918.07	343.11
08 33 39 00-0058 EA 12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,315.34	353.06
08 33 39 00-0059 Rytec® PredaDoor® Door Options (08 33 39 00-0001)		
08 33 39 00-0060 EA Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	331.50	58.45
08 33 39 00-0061 EA >10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	550.80	58.45
08 33 39 00-0062 SF Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors.....	8.26	
08 33 39 00-0063 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0063)		
Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.		
08 33 39 00-0064 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0063)		
08 33 39 00-0065 8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)		
08 33 39 00-0066 EA 8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	13,714.59	350.71
	For NEMA 4X Control Box, Add	675.00
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00
	For AC Variable Speed Motor And Controls, Add	2,750.00
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0067	EA		8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	14,347.48	360.65
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 39 00-0068	EA		8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	14,896.74	370.58
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 39 00-0069	EA		8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,488.83	380.53
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 39 00-0070	EA		8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,162.52	390.47
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 39 00-0071	EA		8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,507.77	400.40
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 39 00-0072	EA		8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,057.03	410.34
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 39 00-0073			9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 39 00-0064)</small>		
08 33 39 00-0074	EA		9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	14,347.48	360.65
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 39 00-0075	EA		9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	14,896.74	370.58
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 39 00-0076	EA		9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,488.83	380.53
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 39 00-0077	EA		9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,162.52	390.47
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 39 00-0078	EA		9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,507.77	400.40
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 39 00-0079	EA		9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,057.03	410.34
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 39 00-0080	EA		9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,770.50	420.27
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	



Openings	08	08
Specialty Doors And Frames	08 30	
Coiling Doors And Grilles	08 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0081 10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 39 00-0064)</small>		
08 33 39 00-0082 EA 10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	14,896.74	370.58
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 39 00-0083 EA 10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,488.83	380.53
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 39 00-0084 EA 10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,162.52	390.47
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 39 00-0085 EA 10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,507.77	400.40
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 39 00-0086 EA 10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,057.03	410.34
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 39 00-0087 EA 10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,770.50	420.27
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 39 00-0088 EA 10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,443.18	430.21
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 39 00-0089 11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 39 00-0064)</small>		
08 33 39 00-0090 EA 11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,488.83	380.53
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 39 00-0091 EA 11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,162.52	390.47
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 39 00-0092 EA 11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,507.77	400.40
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 39 00-0093 EA 11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,057.03	410.34
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 39 00-0094 EA 11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,770.50	420.27
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 39 00-0095 EA 11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,443.18	430.21
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
For 316 Stainless Steel Side Frame Tower, Add	6,600.00	

08 Openings**08 30 Specialty Doors And Frames****08 33 Coiling Doors And Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0096	EA		11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	19,197.46 675.00 1,100.00 2,750.00 4,400.00 6,600.00	440.15
08 33 39 00-0097 12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)					
08 33 39 00-0098	EA		12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	16,162.52 675.00 1,100.00 2,750.00 4,400.00 6,600.00	390.47
08 33 39 00-0099	EA		12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	16,507.77 675.00 1,100.00 2,750.00 4,400.00 6,600.00	400.40
08 33 39 00-0100	EA		12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	17,057.03 675.00 1,100.00 2,750.00 4,400.00 6,600.00	410.34
08 33 39 00-0101	EA		12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	17,770.50 675.00 1,100.00 2,750.00 4,400.00 6,600.00	420.27
08 33 39 00-0102	EA		12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	18,443.18 675.00 1,100.00 2,750.00 4,400.00 6,600.00	430.21
08 33 39 00-0103	EA		12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	19,197.46 675.00 1,100.00 2,750.00 4,400.00 6,600.00	440.15
08 33 39 00-0104	EA		12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	19,734.47 675.00 1,100.00 2,750.00 4,400.00 6,600.00	450.08
08 33 39 00-0105 13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)					
08 33 39 00-0106	EA		13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	16,928.01 675.00 1,100.00 2,750.00 5,480.00 7,370.00	400.40
08 33 39 00-0107	EA		13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	17,635.37 675.00 1,100.00 2,750.00 5,480.00 7,370.00	410.34
08 33 39 00-0108	EA		13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	18,304.98 675.00 1,100.00 2,750.00 5,480.00 7,370.00	420.27
08 33 39 00-0109	EA		13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	19,085.78 675.00 1,100.00 2,750.00 5,480.00 7,370.00	430.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0110 EA 13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	19,863.52 675.00 1,100.00 2,750.00 5,480.00 7,370.00	440.15
08 33 39 00-0111 EA 13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	20,436.23 675.00 1,100.00 2,750.00 5,480.00 7,370.00	450.08
08 33 39 00-0112 EA 13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	20,867.16 675.00 1,100.00 2,750.00 5,480.00 7,370.00	460.02
08 33 39 00-0113 14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)		
08 33 39 00-0114 EA 14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	17,635.37 675.00 1,100.00 2,750.00 5,480.00 7,370.00	410.34
08 33 39 00-0115 EA 14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	18,304.98 675.00 1,100.00 2,750.00 5,480.00 7,370.00	420.27
08 33 39 00-0116 EA 14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	19,085.78 675.00 1,100.00 2,750.00 5,480.00 7,370.00	430.21
08 33 39 00-0117 EA 14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	19,863.52 675.00 1,100.00 2,750.00 5,480.00 7,370.00	440.15
08 33 39 00-0118 EA 14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	20,436.23 675.00 1,100.00 2,750.00 5,480.00 7,370.00	450.08
08 33 39 00-0119 EA 14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	20,867.16 675.00 1,100.00 2,750.00 5,480.00 7,370.00	460.02
08 33 39 00-0120 EA 14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	21,516.37 675.00 1,100.00 2,750.00 5,480.00 7,370.00	469.96
08 33 39 00-0121 Rytec® Fast-Seal® Door Options (08 33 39 00-0063)		
08 33 39 00-0122 LF Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Multiply linear foot price x width of door.	30.60	
08 33 39 00-0123 EA Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors.....	331.50	
08 33 39 00-0124 EA >10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors.....	550.80	
08 33 39 00-0125 EA >15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors.....	810.00	
08 33 39 00-0126 EA One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors.....	193.80	
08 33 39 00-0127 EA Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors..... Note: Door must be at least 90" wide.	382.50	
08 33 39 00-0128 EA Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors..... Note: Door must be at least 102" wide.	484.50	
08 33 39 00-0129 EA Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors..... Note: Door must be at least 136" wide.	765.00	
08 33 39 00-0130 EA One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors.....	224.40	

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0131	EA		Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....443.70 Note: Door must be at least 108" wide.	443.70	
08 33 39 00-0132	EA		Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....550.80 Note: Door must be at least 144" wide.	550.80	
08 33 39 00-0133	EA		Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....887.40 Note: Door must be at least 192" wide.	887.40	
08 33 39 00-0134			Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) <small>(08 33 39)</small> Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weatherseal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.		
08 33 39 00-0135			Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) <small>(08 33 39 00-0134)</small>		
08 33 39 00-0136			8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 39 00-0135)</small>		
08 33 39 00-0137	EA		8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....19,575.74	19,575.74	467.62
08 33 39 00-0138	EA		8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....20,147.43	20,147.43	477.56
08 33 39 00-0139	EA		8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....20,719.13	20,719.13	487.49
08 33 39 00-0140	EA		8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....21,291.84	21,291.84	497.43
08 33 39 00-0141	EA		8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....21,863.53	21,863.53	507.37
08 33 39 00-0142	EA		8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....22,435.22	22,435.22	517.30
08 33 39 00-0143	EA		8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....24,109.54	24,109.54	527.24
08 33 39 00-0144			9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 39 00-0135)</small>		
08 33 39 00-0145	EA		9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....20,147.43	20,147.43	477.56
08 33 39 00-0146	EA		9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....20,719.13	20,719.13	487.49
08 33 39 00-0147	EA		9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....21,291.84	21,291.84	497.43
08 33 39 00-0148	EA		9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....21,863.53	21,863.53	507.37
08 33 39 00-0149	EA		9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....22,435.22	22,435.22	517.30
08 33 39 00-0150	EA		9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....23,006.92	23,006.92	527.24
08 33 39 00-0151	EA		9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....24,681.23	24,681.23	537.17
08 33 39 00-0152			10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 39 00-0135)</small>		
08 33 39 00-0153	EA		10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....20,719.13	20,719.13	487.49
08 33 39 00-0154	EA		10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....21,291.84	21,291.84	497.43
08 33 39 00-0155	EA		10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....21,863.53	21,863.53	507.37
08 33 39 00-0156	EA		10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....22,435.22	22,435.22	517.30
08 33 39 00-0157	EA		10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....23,006.92	23,006.92	527.24
08 33 39 00-0158	EA		10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....23,578.61	23,578.61	537.17
08 33 39 00-0159	EA		10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....25,252.92	25,252.92	547.11
08 33 39 00-0160			11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 39 00-0135)</small>		
08 33 39 00-0161	EA		11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....21,291.84	21,291.84	497.43
08 33 39 00-0162	EA		11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....21,863.53	21,863.53	507.37
08 33 39 00-0163	EA		11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....22,435.22	22,435.22	517.30
08 33 39 00-0164	EA		11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....23,006.92	23,006.92	527.24
08 33 39 00-0165	EA		11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....23,578.61	23,578.61	537.17
08 33 39 00-0166	EA		11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....24,150.30	24,150.30	547.11
08 33 39 00-0167	EA		11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....25,823.61	25,823.61	557.05
08 33 39 00-0168			12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 39 00-0135)</small>		
08 33 39 00-0169	EA		12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....21,863.53	21,863.53	507.37
08 33 39 00-0170	EA		12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....22,435.22	22,435.22	517.30
08 33 39 00-0171	EA		12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....23,006.92	23,006.92	527.24
08 33 39 00-0172	EA		12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....23,578.61	23,578.61	537.17
08 33 39 00-0173	EA		12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....24,150.30	24,150.30	547.11
08 33 39 00-0174	EA		12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....24,722.01	24,722.01	557.05
08 33 39 00-0175	EA		12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....26,396.32	26,396.32	566.98
08 33 39 00-0176			13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 39 00-0135)</small>		
08 33 39 00-0177	EA		13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....22,435.22	22,435.22	517.30
08 33 39 00-0178	EA		13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....23,006.92	23,006.92	527.24
08 33 39 00-0179	EA		13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) .....23,578.61	23,578.61	537.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0180 EA 13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,150.30	547.11
08 33 39 00-0181 EA 13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,722.01	557.05
08 33 39 00-0182 EA 13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,293.70	566.98
08 33 39 00-0183 EA 13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,968.01	576.92
08 33 39 00-0184 14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 39 00-0135)</small>		
08 33 39 00-0185 EA 14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,109.54	527.24
08 33 39 00-0186 EA 14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,681.23	537.17
08 33 39 00-0187 EA 14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,252.92	547.11
08 33 39 00-0188 EA 14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,823.61	557.05
08 33 39 00-0189 EA 14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,396.32	566.98
08 33 39 00-0190 EA 14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,968.01	576.92
08 33 39 00-0191 EA 14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	27,534.60	586.86
08 33 39 00-0192 Rytec® Spiral® Door Options <small>(08 33 39 00-0134)</small>		
08 33 39 00-0193 EA Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors..... Note: Per door price.	331.50	
08 33 39 00-0194 EA Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors..... Note: Maximum of 4 per door.	224.40	
08 33 39 00-0195 EA >13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors..... Note: Maximum of 4 per door.	331.50	
08 33 39 00-0196 EA Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors	609.25	29.23
08 33 39 00-0197 EA Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	1,769.30	58.45
08 33 39 00-0198 EA >13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	3,202.40	58.45
08 33 39 00-0199 EA >16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	3,646.10	58.45
08 33 39 00-0200 Activation And Control Box Options For High Speed Doors <small>(08 33 39)</small>		
08 33 39 00-0201 EA Pull Cord For High-Speed Rolling Doors	140.05	29.23
08 33 39 00-0202 EA Emergency Stop, Pushbutton Control For High-Speed Rolling Doors	110.83	14.61
08 33 39 00-0203 EA NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors.....	141.43	14.61
08 33 39 00-0204 EA On/Off Key Switch, Remote Control For High-Speed Rolling Doors.....	151.63	14.61
08 33 39 00-0205 EA Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors.....	279.13	14.61
08 33 39 00-0206 EA Radio Control For High-Speed Rolling Doors	419.18	26.30
08 33 39 00-0207 EA Floor Loop For High-Speed Rolling Doors..... Note: Excludes sealant.	536.08	
08 33 39 00-0208 EA Reflective Type Photo Eye For High-Speed Rolling Doors.....	357.68	26.30
08 33 39 00-0209 EA Thru-Beam Type Photo Eye For High-Speed Rolling Doors.....	475.28	26.30
08 33 39 00-0210 EA Motion Detector For High-Speed Rolling Doors.....	422.67	17.54
08 33 39 00-0211 EA Remote Warning Horn For High-Speed Rolling Doors	282.85	29.23
08 33 39 00-0212 EA Remote Strobe Light For High-Speed Rolling Doors	389.95	29.23
08 33 39 00-0213 EA Remote Warning Horn And Strobe Light For High-Speed Rolling Doors..... Note: Includes wall box and mounting hardware.	446.05	29.23
08 33 39 00-0214 EA Red And Green Red Light For High-Speed Rolling Doors..... Note: Includes mounting hardware.	558.25	29.23
08 33 43 Overhead Coiling Smoke Curtains <small>(08 33)</small>		
08 33 43 00-0001 Elevator Smoke Guard <small>(08 33 43)</small>		
08 33 43 00-0002 EA Elevator Smoke Guard, 55" Width Housing (Smoke Guard 400).....	7,775.69	394.08
08 33 43 00-0003 EA Elevator Smoke Guard, 64" Width Housing (Smoke Guard 400).....	8,057.19	394.08
08 33 43 00-0004 EA Elevator Smoke Guard, 73" Width Housing (Smoke Guard 400).....	8,338.69	394.08
08 34 Special Function Doors <small>(08 30)</small>		
08 34 53 Security Doors And Frames <small>(08 34)</small>		
08 34 53 00-0001 Metal Security Doors, Bullet Resistant <small>(08 34 53)</small> Note: Includes door, frame, hardware hinges, lockset and cylinder, all UL 753 Listed.		
08 34 53 00-0002 SF Metal Security Door	41.16	5.51
08 34 53 00-0003 EA Up To 3' x 7' (.38 caliber) Medium-Small Arms Metal Security Door	1,676.28	274.82
08 34 53 00-0004 EA Up To 3' x 7' (.44 caliber) Super-Small Arms Metal Security Door.....	1,980.08	291.73
08 34 53 00-0005 Metal Security Doors <small>(08 34 53)</small> Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.		
08 34 53 00-0006 EA Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O)	631.94	50.34
08 34 53 00-0007 EA Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O)	631.94	50.34
08 34 53 00-0008 EA Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O)	897.59	50.34



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 34 73 Sound Control Door Assemblies (08 34)

08 34 73 13 Metal Sound Control Door Assemblies (08 34 73)

08 34 73 13-0001 Steel Acoustical Door Assembly (08 34 73 13)

Note: Includes seal.

08 34 73 13-0002 Steel Acoustical Doors (08 34 73 13-0001)

Note: Includes hinges.

08 34 73 13-0003	EA	3' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated)	2,002.54	35.07
		<i>For 60 Minutes Fire Rated, Add</i>	116.72	
		<i>For 3" x 33" Vision Lite, Add</i>	811.07	
		<i>For 20" x 64" Vision Lite, Add</i>	867.93	
08 34 73 13-0004	EA	3'-6" x 7', 14 Gauge, STC 52, Steel Acoustical Door (Unrated)	2,122.19	36.53
		<i>For 60 Minutes Fire Rated, Add</i>	116.72	
		<i>For 3" x 33" Vision Lite, Add</i>	811.07	
		<i>For 20" x 64" Vision Lite, Add</i>	867.93	
08 34 73 13-0005	EA	4' x 7', 14 Gauge, STC 53, Steel Acoustical Door (Unrated)	2,244.75	39.46
		<i>For 60 Minutes Fire Rated, Add</i>	116.72	
		<i>For 3" x 33" Vision Lite, Add</i>	811.07	
		<i>For 20" x 64" Vision Lite, Add</i>	867.93	
08 34 73 13-0006	PR	Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors (Unrated)	3,998.06	66.64
		<i>For 1 Hour Fire Rated, Add</i>	233.44	
		<i>For 3" x 33" Windows, Add</i>	1,622.14	
		<i>For 20" x 64" Windows, Add</i>	1,735.86	

08 34 73 13-0007 Steel Acoustical Door Frames (08 34 73 13-0001)

08 34 73 13-0008	EA	3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	1,631.29	58.45
08 34 73 13-0009	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	1,674.19	58.45
08 34 73 13-0010	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	1,717.09	58.45
08 34 73 13-0011	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	1,759.99	58.45
08 34 73 13-0012	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	1,866.45	64.30
08 34 73 13-0013	EA	3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	1,914.34	64.30
08 34 73 13-0014	EA	3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	1,957.23	64.30
08 34 73 13-0015	EA	3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,010.44	64.30
08 34 73 13-0016	EA	4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,106.74	67.22
08 34 73 13-0017	EA	4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,149.64	67.22
08 34 73 13-0018	EA	4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,192.54	67.22
08 34 73 13-0019	EA	4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,240.42	67.22
08 34 73 13-0020	EA	6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	3,741.42	75.99
08 34 73 13-0021	EA	6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	3,782.32	75.99
08 34 73 13-0022	EA	6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	3,826.22	75.99
08 34 73 13-0023	EA	6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	3,871.11	75.99

08 34 73 16 Wood Sound Control Door Assemblies (08 34 73)

08 34 73 16-0001 Wood Acoustical Door Assembly (08 34 73 16)

Note: Includes the prefinished door, frame, hinges and seals.

08 34 73 16-0002	EA	3' x 7', STC 41, Wood Acoustical Door System (Unrated)	1,983.98	105.22
08 34 73 16-0003	EA	3' x 7', STC 49, Wood Acoustical Door System (Unrated)	2,732.20	105.22

08 35 Folding Doors And Grilles (08 30)

08 35 13 Folding Doors (08 35)

08 35 13 13 Accordion Folding Doors (08 35 13)

08 35 13 13-0001 Accordion Folding Doors (08 35 13 13)

Note: Includes track, fittings and hardware, complete.

08 35 13 13-0002	SF	Fire-Resistant, Vinyl Fabric Installed On Welded Steel Frames, Accordion Folding Door	47.58	5.84
08 35 13 13-0003	SF	1/32" Thick, Single Ply Vinyl, Accordion Folding Door	9.82	5.84
08 35 13 13-0004	SF	0.04" Thick, Fire-Resistant, Rigid Vinyl Panels, Accordion Folding Door	21.64	5.84
08 35 13 13-0005	SF	3/8" Thick, Fire-Resistant, Wood Veneer, Vinyl Or High Pressure Laminate, High Density Engineered Wood Core Panel, Accordion Folding Door	30.56	5.84

08 36 Panel Doors (08 30)

08 36 13 Sectional Doors (08 36)

08 36 13 00-0001 Sectional Wood Overhead Doors (08 36 13)

08 36 13 00-0002 Wood Sectional Overhead Doors (08 36 13 00-0001)

Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0003	EA	8' x 8', Wood Sectional Door, Manual Lift	1,878.25	233.81
08 36 13 00-0004	EA	10' x 10', Wood Sectional Door, Manual Lift	2,364.84	259.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0005 EA 12' x 12', Wood Sectional Door, Manual Lift	3,036.86	310.96
08 36 13 00-0006 EA 14' x 14', Wood Sectional Door, Manual Lift	4,461.45	360.07
08 36 13 00-0007 EA 12' x 16', Wood Sectional Door, Manual Lift	4,717.11	467.62
08 36 13 00-0008 EA 20' x 8', Wood Sectional Door, Manual Lift	4,361.72	584.52
08 36 13 00-0009 EA 20' x 16', Wood Sectional Door, Manual Lift	8,233.72	779.17
 08 36 13 00-0010 Residential Grade, Wood Sectional Overhead Doors <small>(08 36 13 00-0001)</small>		
Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.		
08 36 13 00-0011 EA 9' x 7', Residential Grade, Wood Sectional Door, Manual Lift	973.17	116.90
For Hardboard Face, Add	115.00	
For Insulation, Add	117.00	
For Motor Operator With Remote Controls, Add	341.34	
For Each Glass Vision Panel In Door, Add	50.00	
08 36 13 00-0012 EA 16' x 7', Residential Grade, Wood Sectional Door, Manual Lift	1,582.84	116.90
For Hardboard Face, Add	115.00	
For Insulation, Add	117.00	
For Motor Operator With Remote Controls, Add	358.71	
For Each Glass Vision Panel In Door, Add	50.00	
 08 36 13 00-0013 Sectional Metal Overhead Doors <small>(08 36 13)</small>		
Note: Includes tracks and all hardware.		
08 36 13 00-0014 Galvanized Steel Sectional Overhead Doors <small>(08 36 13 00-0013)</small>		
08 36 13 00-0015 Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors <small>(08 36 13 00-0014)</small>		
Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0016 EA 8' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	888.37	204.58
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	69.48	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	119.80	
For Aluminum, Mill Finish, Add	54.63	
For Aluminum, Anodized Finish, Add	152.86	
08 36 13 00-0017 EA 8' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,046.12	233.81
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	83.88	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	144.63	
For Aluminum, Mill Finish, Add	65.95	
For Aluminum, Anodized Finish, Add	184.54	
08 36 13 00-0018 EA 8' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,291.82	292.26
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	102.56	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	176.83	
For Aluminum, Mill Finish, Add	80.63	
For Aluminum, Anodized Finish, Add	225.63	
08 36 13 00-0019 EA 10' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,001.90	233.81
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	77.47	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	133.57	
For Aluminum, Mill Finish, Add	60.91	
For Aluminum, Anodized Finish, Add	170.44	
08 36 13 00-0020 EA 10' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,235.18	292.26
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	94.35	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	162.67	
For Aluminum, Mill Finish, Add	74.18	
For Aluminum, Anodized Finish, Add	207.56	
08 36 13 00-0021 EA 10' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,555.63	379.94
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	115.38	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	198.94	
For Aluminum, Mill Finish, Add	90.72	
For Aluminum, Anodized Finish, Add	253.84	
08 36 13 00-0022 EA 10' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,841.18	467.62
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	131.36	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	226.49	
For Aluminum, Mill Finish, Add	103.28	
For Aluminum, Anodized Finish, Add	288.99	
08 36 13 00-0023 EA 12' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,197.95	292.26
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	88.95	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	153.36	
For Aluminum, Mill Finish, Add	69.93	
For Aluminum, Anodized Finish, Add	195.68	
08 36 13 00-0024 EA 12' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,499.77	379.94
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	107.28	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	184.97	
For Aluminum, Mill Finish, Add	84.35	
For Aluminum, Anodized Finish, Add	236.02	
08 36 13 00-0025 EA 12' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,831.08	467.62
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	129.90	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	223.96	
For Aluminum, Mill Finish, Add	102.13	
For Aluminum, Anodized Finish, Add	285.77	
08 36 13 00-0026 EA 12' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,160.84	555.30
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	152.29	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	262.56	
For Aluminum, Mill Finish, Add	119.73	
For Aluminum, Anodized Finish, Add	335.03	

08	Openings
08 30	Specialty Doors And Frames
08 36	Panel Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0027 EA 12' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,580.09	672.20
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	179.18	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	308.92	
For Aluminum, Mill Finish, Add	140.87	
For Aluminum, Anodized Finish, Add	394.19	
08 36 13 00-0028 EA 14' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,426.07	379.94
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	96.60	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	166.55	
For Aluminum, Mill Finish, Add	75.95	
For Aluminum, Anodized Finish, Add	212.51	
08 36 13 00-0029 EA 14' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,754.27	467.62
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	118.76	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	204.76	
For Aluminum, Mill Finish, Add	93.37	
For Aluminum, Anodized Finish, Add	261.27	
08 36 13 00-0030 EA 14' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,165.76	584.52
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	144.52	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	249.18	
For Aluminum, Mill Finish, Add	113.62	
For Aluminum, Anodized Finish, Add	317.95	
08 36 13 00-0031 EA 14' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,497.07	672.20
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	167.14	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	288.17	
For Aluminum, Mill Finish, Add	131.40	
For Aluminum, Anodized Finish, Add	367.70	
08 36 13 00-0032 EA 14' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,869.50	759.88
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	195.71	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	337.44	
For Aluminum, Mill Finish, Add	153.87	
For Aluminum, Anodized Finish, Add	430.57	
08 36 13 00-0033 EA 16' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,727.11	467.62
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	114.82	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	197.97	
For Aluminum, Mill Finish, Add	90.27	
For Aluminum, Anodized Finish, Add	252.61	
08 36 13 00-0034 EA 16' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,137.05	584.52
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	140.36	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	242.00	
For Aluminum, Mill Finish, Add	110.35	
For Aluminum, Anodized Finish, Add	308.79	
08 36 13 00-0035 EA 16' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,511.80	672.20
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	169.27	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	291.85	
For Aluminum, Mill Finish, Add	133.08	
For Aluminum, Anodized Finish, Add	372.40	
08 36 13 00-0036 EA 16' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,985.88	759.88
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	212.59	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	366.53	
For Aluminum, Mill Finish, Add	167.14	
For Aluminum, Anodized Finish, Add	467.69	
08 36 13 00-0037 EA 16' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,476.52	876.78
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	249.83	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	430.74	
For Aluminum, Mill Finish, Add	196.42	
For Aluminum, Anodized Finish, Add	549.62	
08 36 13 00-0038 EA 18' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,196.80	584.52
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	149.02	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	256.94	
For Aluminum, Mill Finish, Add	117.16	
For Aluminum, Anodized Finish, Add	327.85	
08 36 13 00-0039 EA 18' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,618.88	672.20
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	184.80	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	318.62	
For Aluminum, Mill Finish, Add	145.29	
For Aluminum, Anodized Finish, Add	406.56	
08 36 13 00-0040 EA 18' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,156.58	759.88
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	237.34	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	409.21	
For Aluminum, Mill Finish, Add	186.60	
For Aluminum, Anodized Finish, Add	522.15	
08 36 13 00-0041 EA 18' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,647.99	876.78
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	274.69	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	473.60	
For Aluminum, Mill Finish, Add	215.96	
For Aluminum, Anodized Finish, Add	604.32	
08 36 13 00-0042 EA 18' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,187.51	993.69
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	319.02	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	550.03	
For Aluminum, Mill Finish, Add	250.81	
For Aluminum, Anodized Finish, Add	701.84	
08 36 13 00-0043 EA 20' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,497.07	672.20
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	167.14	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	288.17	
For Aluminum, Mill Finish, Add	131.40	
For Aluminum, Anodized Finish, Add	367.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0044 EA 20' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	2,919.16 202.91 349.85 159.53 446.41	759.88
08 36 13 00-0045 EA 20' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	3,588.25 266.03 458.67 209.15 585.26	876.78
08 36 13 00-0046 EA 20' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	4,079.66 303.38 523.07 238.52 667.43	993.69
08 36 13 00-0047 EA 20' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	5,010.23 404.41 697.26 317.95 889.70	1,110.59
08 36 13 00-0048 EA 22' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	2,782.60 183.11 315.71 143.96 402.85	759.88
08 36 13 00-0049 EA 22' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	3,421.44 241.84 416.97 190.14 532.05	876.78
08 36 13 00-0050 EA 22' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	4,044.75 298.32 514.34 234.54 656.30	993.69
08 36 13 00-0051 EA 22' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	4,759.62 368.07 634.60 289.38 809.75	1,110.59
08 36 13 00-0052 EA 22' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	5,361.94 421.51 726.74 331.39 927.32	1,227.50
08 36 13 00-0053 EA 24' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	3,091.69 194.03 334.53 152.54 426.86	876.78
08 36 13 00-0054 EA 24' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	3,754.56 256.24 441.79 201.46 563.73	993.69
08 36 13 00-0055 EA 24' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	4,551.68 337.92 582.62 265.67 743.42	1,110.59
08 36 13 00-0056 EA 24' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	5,085.73 381.46 657.69 299.90 839.21	1,227.50
08 36 13 00-0057 EA 24' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	5,702.05 436.92 753.31 343.51 961.23	1,344.40
08 36 13 00-0058 Insulated, 24 Gauge Galvanized Steel Sectional Doors <small>(08 36 13 00-0014)</small> Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.		
08 36 13 00-0059 EA 8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,116.70 80.66 225.70 35.38 155.66	204.58
08 36 13 00-0060 EA 8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,329.53 98.26 274.95 43.10 189.62	233.81

08	Openings
08 30	Specialty Doors And Frames
08 36	Panel Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0061	EA		8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,633.72	292.26
			<i>For Aluminum, Mill Finish, Add</i>	119.61	
			<i>For Aluminum, Anodized Finish, Add</i>	334.69	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	52.46	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	230.82	
08 36 13 00-0062	EA		10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,298.06	233.81
			<i>For Aluminum, Mill Finish, Add</i>	94.67	
			<i>For Aluminum, Anodized Finish, Add</i>	264.91	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	41.52	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	182.70	
08 36 13 00-0063	EA		10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,594.95	292.26
			<i>For Aluminum, Mill Finish, Add</i>	115.19	
			<i>For Aluminum, Anodized Finish, Add</i>	322.33	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	50.52	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	222.29	
08 36 13 00-0064	EA		10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,028.58	379.94
			<i>For Aluminum, Mill Finish, Add</i>	144.63	
			<i>For Aluminum, Anodized Finish, Add</i>	404.72	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	63.44	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	279.11	
08 36 13 00-0065	EA		10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,357.59	467.62
			<i>For Aluminum, Mill Finish, Add</i>	162.15	
			<i>For Aluminum, Anodized Finish, Add</i>	453.73	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	71.12	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	312.92	
08 36 13 00-0066	EA		12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,535.69	292.26
			<i>For Aluminum, Mill Finish, Add</i>	108.43	
			<i>For Aluminum, Anodized Finish, Add</i>	303.42	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	47.56	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	209.26	
08 36 13 00-0067	EA		12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,916.64	379.94
			<i>For Aluminum, Mill Finish, Add</i>	131.87	
			<i>For Aluminum, Anodized Finish, Add</i>	369.01	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	57.84	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	254.49	
08 36 13 00-0068	EA		12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,337.84	467.62
			<i>For Aluminum, Mill Finish, Add</i>	159.90	
			<i>For Aluminum, Anodized Finish, Add</i>	447.43	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	70.13	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	308.57	
08 36 13 00-0069	EA		12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,734.88	555.30
			<i>For Aluminum, Mill Finish, Add</i>	185.17	
			<i>For Aluminum, Anodized Finish, Add</i>	518.15	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	81.21	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	357.34	
08 36 13 00-0070	EA		12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,319.88	672.20
			<i>For Aluminum, Mill Finish, Add</i>	225.20	
			<i>For Aluminum, Anodized Finish, Add</i>	630.18	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	98.77	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	434.61	
08 36 13 00-0071	EA		14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,829.58	379.94
			<i>For Aluminum, Mill Finish, Add</i>	121.95	
			<i>For Aluminum, Anodized Finish, Add</i>	341.23	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	53.49	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	235.33	
08 36 13 00-0072	EA		14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,268.33	467.62
			<i>For Aluminum, Mill Finish, Add</i>	151.97	
			<i>For Aluminum, Anodized Finish, Add</i>	425.26	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	66.65	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	293.28	
08 36 13 00-0073	EA		14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,761.88	584.52
			<i>For Aluminum, Mill Finish, Add</i>	181.58	
			<i>For Aluminum, Anodized Finish, Add</i>	508.11	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	79.64	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	350.42	
08 36 13 00-0074	EA		14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,252.56	672.20
			<i>For Aluminum, Mill Finish, Add</i>	217.53	
			<i>For Aluminum, Anodized Finish, Add</i>	608.70	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	95.41	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	419.80	
08 36 13 00-0075	EA		14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,731.56	759.88
			<i>For Aluminum, Mill Finish, Add</i>	252.15	
			<i>For Aluminum, Anodized Finish, Add</i>	705.56	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	110.59	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	486.60	
08 36 13 00-0076	EA		16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,192.97	467.62
			<i>For Aluminum, Mill Finish, Add</i>	143.38	
			<i>For Aluminum, Anodized Finish, Add</i>	401.22	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	62.89	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	276.70	
08 36 13 00-0077	EA		16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,820.41	584.52
			<i>For Aluminum, Mill Finish, Add</i>	188.26	
			<i>For Aluminum, Anodized Finish, Add</i>	526.78	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	82.57	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	363.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0078 EA 16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,292.08 222.04 621.31 97.38 428.49	672.20
08 36 13 00-0079 EA 16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,766.68 256.15 716.77 112.35 494.32	759.88
08 36 13 00-0080 EA 16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,451.20 307.53 860.54 134.88 593.48	876.78
08 36 13 00-0081 EA 18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,536.52 155.89 436.22 68.37 300.84	584.52
08 36 13 00-0082 EA 18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,136.23 204.27 571.59 89.59 394.20	672.20
08 36 13 00-0083 EA 18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,637.90 241.47 675.69 105.91 465.99	759.88
08 36 13 00-0084 EA 18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,525.82 316.04 884.34 138.61 609.89	876.78
08 36 13 00-0085 EA 18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,963.76 339.31 949.46 148.82 654.80	993.69
08 36 13 00-0086 EA 20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,122.33 202.68 567.16 88.90 391.14	672.20
08 36 13 00-0087 EA 20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,670.11 245.14 685.96 107.52 473.08	759.88
08 36 13 00-0088 EA 20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,675.81 333.13 932.19 146.11 642.89	876.78
08 36 13 00-0089 EA 20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,097.65 354.57 992.17 155.51 684.26	993.69
08 36 13 00-0090 EA 20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,914.60 421.05 1,178.19 184.67 812.55	1,110.59
08 36 13 00-0091 EA 22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,429.39 217.70 609.17 95.48 420.12	759.88
08 36 13 00-0092 EA 22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,229.51 282.26 789.82 123.80 544.70	876.78
08 36 13 00-0093 EA 22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,017.18 345.40 966.50 151.49 666.55	993.69
08 36 13 00-0094 EA 22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,637.31 389.44 1,089.74 170.81 751.54	1,110.59

08	Openings
08 30	Specialty Doors And Frames
08 36	Panel Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0095 EA 22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,424.95	1,227.50
For Aluminum, Mill Finish, Add	452.58	
For Aluminum, Anodized Finish, Add	1,266.42	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	198.50	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	873.39	
08 36 13 00-0096 EA 24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,824.90	876.78
For Aluminum, Mill Finish, Add	236.13	
For Aluminum, Anodized Finish, Add	660.75	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	103.57	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	455.69	
08 36 13 00-0097 EA 24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,706.23	993.69
For Aluminum, Mill Finish, Add	309.95	
For Aluminum, Anodized Finish, Add	867.31	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	135.94	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	598.14	
08 36 13 00-0098 EA 24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,452.21	1,110.59
For Aluminum, Mill Finish, Add	368.33	
For Aluminum, Anodized Finish, Add	1,030.69	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	161.55	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	710.82	
08 36 13 00-0099 EA 24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,241.31	1,227.50
For Aluminum, Mill Finish, Add	431.64	
For Aluminum, Anodized Finish, Add	1,207.84	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	189.32	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	832.99	
08 36 13 00-0100 EA 24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,018.00	1,344.40
For Aluminum, Mill Finish, Add	493.53	
For Aluminum, Anodized Finish, Add	1,381.01	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	216.46	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	952.42	
08 36 13 00-0101 Residential Grade, Galvanized Steel Sectional Overhead Doors (08 36 13 00-0013)		
Note: Includes track and hardware. Excludes frame.		
08 36 13 00-0102 EA 9' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	842.16	116.90
For Aluminum And Fiberglass, Add	170.47	
For Each Glass Vision Panel In Door, Add	27.00	
For Insulated Door, Add	291.45	
08 36 13 00-0103 EA 9' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	940.85	116.90
For Aluminum And Fiberglass, Add	201.06	
For Each Glass Vision Panel In Door, Add	27.00	
For Insulated Door, Add	343.75	
08 36 13 00-0104 EA 16' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,243.03	133.74
For Aluminum And Fiberglass, Add	281.91	
For Each Glass Vision Panel In Door, Add	27.00	
For Insulated Door, Add	481.98	
08 36 13 00-0105 EA 16' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,398.10	133.74
For Aluminum And Fiberglass, Add	329.99	
For Each Glass Vision Panel In Door, Add	27.00	
For Insulated Door, Add	564.17	
08 36 13 00-0106 Remove And Reinstall Sectional Metal Overhead Doors And Supports (08 36 13 00-0013)		
Note: Includes storage, cleaning and supply materials.		
08 36 13 00-0107 SF Removal And Reinstallation Of Sectional Metal Overhead Door And Supports.....	8.44	
08 36 13 00-0108 Sectional Fiberglass Overhead Doors (08 36 13)		
08 36 13 00-0109 Fiberglass Sectional Overhead Doors (08 36 13 00-0108)		
08 36 13 00-0110 Non-Insulated, Fiberglass Sectional Doors (08 36 13 00-0109)		
Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0111 EA 8' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	1,295.51	204.58
08 36 13 00-0112 EA 8' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	1,536.13	233.81
08 36 13 00-0113 EA 8' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	1,820.67	292.26
08 36 13 00-0114 EA 10' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	1,518.64	233.81
08 36 13 00-0115 EA 10' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	1,808.82	263.04
08 36 13 00-0116 EA 10' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	2,262.71	365.33
08 36 13 00-0117 EA 10' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	2,719.18	467.62
08 36 13 00-0118 EA 12' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	1,795.89	292.26
08 36 13 00-0119 EA 12' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	2,252.51	365.33
08 36 13 00-0120 EA 12' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	2,703.13	438.39
08 36 13 00-0121 EA 12' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,298.78	584.52
08 36 13 00-0122 EA 12' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,839.72	701.43
08 36 13 00-0123 EA 14' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	2,189.91	409.17
08 36 13 00-0124 EA 14' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	2,657.95	467.62
08 36 13 00-0125 EA 14' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,246.30	584.52
08 36 13 00-0126 EA 14' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,833.89	701.43
08 36 13 00-0127 EA 14' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	4,306.19	759.88
08 36 13 00-0128 EA 16' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	2,487.40	467.62
08 36 13 00-0129 EA 16' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	2,989.37	526.07
08 36 13 00-0130 EA 16' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,617.25	642.98
08 36 13 00-0131 EA 16' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	4,237.68	759.88



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 36 13 00-0132	EA	16' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,741.34	818.33
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08 36 13 00-0133

Insulated, Fiberglass Sectional Doors (08 36 13 00-0109)

Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.

08 36 13 00-0134	EA	8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	1,587.99	204.58
08 36 13 00-0135	EA	8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	1,888.74	233.81
08 36 13 00-0136	EA	8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,228.59	292.26
08 36 13 00-0137	EA	10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	1,865.47	233.81
08 36 13 00-0138	EA	10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,232.15	263.04
08 36 13 00-0139	EA	10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,768.29	365.33
08 36 13 00-0140	EA	10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,307.98	467.62
08 36 13 00-0141	EA	12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,195.64	292.26
08 36 13 00-0142	EA	12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,754.72	365.33
08 36 13 00-0143	EA	12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,305.89	438.39
08 36 13 00-0144	EA	12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,001.59	584.52
08 36 13 00-0145	EA	12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,644.03	701.43
08 36 13 00-0146	EA	14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,642.58	409.17
08 36 13 00-0147	EA	14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,226.55	467.62
08 36 13 00-0148	EA	14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,931.79	584.52
08 36 13 00-0149	EA	14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,636.27	701.43
08 36 13 00-0150	EA	14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,225.95	759.88
08 36 13 00-0151	EA	16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,999.72	467.62
08 36 13 00-0152	EA	16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,628.68	526.07
08 36 13 00-0153	EA	16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,386.45	642.98
08 36 13 00-0154	EA	16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,134.83	759.88
08 36 13 00-0155	EA	16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,765.98	818.33

08 36 13 00-0156

Sectional Overhead Door Accessories (08 36 13)

08 36 13 00-0157

Sectional Overhead Door Accessories (08 36 13 00-0156)

See CSI section 08 33 26 00-0052 for safety edge bottom bar.

08 36 13 00-0158	LF	Flap Seal For Sectional Overhead Doors	2.30	
08 36 13 00-0159	LF	Weather Seal At Top Of Door For Sectional Overhead Doors.....	3.38	
08 36 13 00-0160	LF	Astragal Only, Weather Strip At Bottom Of Door For Sectional Overhead Doors.....	1.81	
08 36 13 00-0161	EA	Cylinder Lock For Sectional Overhead Doors.....	210.01	
08 36 13 00-0162	EA	Manual Chain Hoist For Sectional Overhead Doors	345.37	
08 36 13 00-0163	EA	Electric Chain Lift Operator For Sectional Overhead Doors.....	1,491.41	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0164	EA	1/2 HP Trolley Operator For Sectional Overhead Doors.....	644.82	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0165	SF	Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors.....	19.06	
		Note: Additional cost for factory supplied.		
08 36 13 00-0166	SF	>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors.....	11.89	
		Note: Additional cost for factory supplied.		
08 36 13 00-0167	SF	Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors	19.93	
		Note: Additional cost for factory supplied.		
08 36 13 00-0168	SF	>2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors.....	13.59	
		Note: Additional cost for factory supplied.		
08 36 13 00-0169	SF	Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors	32.06	
		Note: Additional cost for factory supplied.		
08 36 13 00-0170	SF	>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors.....	21.64	
		Note: Additional cost for factory supplied.		
08 36 13 00-0171	EA	Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door	283.04	
		Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0172	EA	Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door	440.92	
		Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0173	EA	Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door	656.58	
		Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0174	SF	25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	0.80	
		Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36 13 00-0175	SF	50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	1.03	
		Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36 13 00-0176	SF	100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	1.36	
		Note: Additional cost for factory supplied/installed spring. Per SF of Door.		

08 38 Traffic Doors (08 30)

08 38 13 Flexible Strip Doors (08 38)

08 38 13 00-0001 Clear Polyvinyl Chloride (PVC) Strip Doors (08 38 13)

08 38 13 00-0002	SF	8" Smooth Strip, 0.080" Thick, 50% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	6.85	2.93
		For Cooler/Freezer Doors, USDA Grade, Add	0.39	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	0.82	
08 38 13 00-0003	SF	8" Smooth Strip, 0.080" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	8.75	3.22
		For Cooler/Freezer Doors, USDA Grade, Add	0.55	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	1.16	

08	Openings
08 30	Specialty Doors And Frames
08 38	Traffic Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 13 00-0004 SF 12" Smooth Strip, 0.120" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	7.87	2.93
For Cooler/Freezer Doors, USDA Grade, Add	0.49	
Note: Low temperature to -40 degree F.		
For Ribbed Strip Material, Add	1.04	
08 38 13 00-0005 SF 12" Smooth Strip, 0.120" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	9.42	3.22
For Cooler/Freezer Doors, USDA Grade, Add	0.62	
Note: Low temperature to -40 degree F.		
For Ribbed Strip Material, Add	1.30	
08 38 13 00-0006 SF 16" Smooth Strip, 0.160" Thick, 75% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	9.21	2.93
For Cooler/Freezer Doors, USDA Grade, Add	0.63	
Note: Low temperature to -40 degree F.		
For Ribbed Strip Material, Add	1.32	
08 38 13 00-0007 Clear Polyvinyl Chloride (PVC) Replacement Strips (08 38 13)		
08 38 13 00-0008 EA 8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip	18.38	5.84
For Cooler/Freezer Doors, USDA Grade, Add	1.25	
Note: Low temperature to -40 degree F.		
For Ribbed Strip Material, Add	2.63	
08 38 13 00-0009 EA 8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip	20.26	5.84
For Cooler/Freezer Doors, USDA Grade, Add	1.44	
Note: Low temperature to -40 degree F.		
For Ribbed Strip Material, Add	3.03	
08 38 13 00-0010 EA 12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip	38.54	5.84
For Cooler/Freezer Doors, USDA Grade, Add	3.27	
Note: Low temperature to -40 degree F.		
For Ribbed Strip Material, Add	6.87	
08 38 13 00-0011 EA 12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip	46.47	5.84
For Cooler/Freezer Doors, USDA Grade, Add	4.06	
Note: Low temperature to -40 degree F.		
For Ribbed Strip Material, Add	8.53	
08 38 13 00-0012 EA 12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip	54.68	5.84
For Cooler/Freezer Doors, USDA Grade, Add	4.88	
Note: Low temperature to -40 degree F.		
For Ribbed Strip Material, Add	10.26	
08 38 13 00-0013 EA 16" Smooth Strip, 0.160" Thick, 15' Long, Replacement Strip	90.44	5.84
For Cooler/Freezer Doors, USDA Grade, Add	8.46	
Note: Low temperature to -40 degree F.		
For Ribbed Strip Material, Add	17.77	
08 38 16 Flexible Traffic Doors (08 38)		
Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.		
08 38 16 00-0001 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro) (08 38 16)		
08 38 16 00-0002 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0001)		
08 38 16 00-0003 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0002)		
08 38 16 00-0004 EA 72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	1,308.67	58.45
08 38 16 00-0005 EA 72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	1,411.11	58.45
08 38 16 00-0006 EA 96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	2,898.30	67.22
08 38 16 00-0007 EA 96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	3,250.72	73.07
08 38 16 00-0008 EA 108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	5,023.60	73.07
08 38 16 00-0009 EA 108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	5,252.94	73.07
08 38 16 00-0010 EA 120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	5,851.30	87.68
08 38 16 00-0011 Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0002)		
08 38 16 00-0012 EA 72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	1,451.28	58.45
08 38 16 00-0013 EA 72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	1,565.37	58.45
08 38 16 00-0014 EA 96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	3,423.62	67.22
08 38 16 00-0015 EA 96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	3,773.71	73.07
08 38 16 00-0016 EA 108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	5,623.39	73.07
08 38 16 00-0017 EA 108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	5,856.68	73.07
08 38 16 00-0018 EA 120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	6,522.98	87.68
08 38 16 00-0019 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliason FMP) (08 38 16)		
Note: Includes pebble embossed finish and a 14" x 16" vinyl window.		
08 38 16 00-0020 Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0019)		



Openings	08	08
Specialty Doors And Frames	08 30	
Traffic Doors	08 38	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 16 00-0021 84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0020)</small>		
08 38 16 00-0022 EA 24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	657.78	32.15
08 38 16 00-0023 EA 40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	707.77	32.15
08 38 16 00-0024 96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0020)</small>		
08 38 16 00-0025 EA 24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	707.77	32.15
08 38 16 00-0026 EA 40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	721.87	32.15
08 38 16 00-0027 Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0019)</small>		
08 38 16 00-0028 84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0027)</small>		
08 38 16 00-0029 EA 48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,298.01	55.53
08 38 16 00-0030 EA 80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,398.00	55.53
08 38 16 00-0031 96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0027)</small>		
08 38 16 00-0032 EA 48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,398.00	55.53
08 38 16 00-0033 EA 80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,426.20	55.53
08 38 19 Rigid Traffic Doors <small>(08 38)</small>		
Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.		
08 38 19 00-0001 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3) <small>(08 38 19)</small>		
Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.		
08 38 19 00-0002 Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0001)</small>		
08 38 19 00-0003 84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0002)</small>		
08 38 19 00-0004 EA 24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	330.91	32.15
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0005 EA 28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	353.98	32.15
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0006 EA 30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	365.89	33.61
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0007 EA 32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	379.99	33.61
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0008 EA 36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	397.03	35.07
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0009 EA 40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	427.79	35.07
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0010 EA 42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	445.51	39.46
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0011 96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0002)</small>		

08	Openings
08 30	Specialty Doors And Frames
08 38	Traffic Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0012	EA		24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	370.65	32.15
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0013	EA		28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	388.59	32.15
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0014	EA		30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	401.78	33.61
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0015	EA		32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	412.03	33.61
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0016	EA		36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	449.58	35.07
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0017	EA		40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	457.27	35.07
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0018	EA		42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	473.71	39.46
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0019			Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0001)		
08 38 19 00-0020			84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0019)		
08 38 19 00-0021	EA		48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	644.28	55.53
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0022	EA		56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	690.43	55.53
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0023	EA		60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	708.37	55.53
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0024	EA		64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	736.57	55.53
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0025	EA		72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	770.63	58.45
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0026	EA		80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	832.16	58.45
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0027	EA		84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	850.11	58.45
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0028			96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0019)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0029	EA			48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	723.75	55.53
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0030	EA			56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	759.65	55.53
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0031	EA			60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	780.16	55.53
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0032	EA			64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	800.66	55.53
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0033	EA			72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	875.74	58.45
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0034	EA			80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	891.13	58.45
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0035	EA			84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	906.51	58.45
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0036				3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliason P-11 Plus) <small>(08 38 19)</small>		
				Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.		
08 38 19 00-0037				Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0036)</small>		
08 38 19 00-0038				84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0037)</small>		
08 38 19 00-0039	EA			24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	566.77	32.15
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0040	EA			28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	627.01	32.15
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0041	EA			30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	654.30	33.61
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0042	EA			32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	679.93	33.61
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0043	EA			36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	690.57	35.07
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0044	EA			40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	743.12	35.07
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0045	EA			42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	799.30	39.46
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0046	EA			44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	808.27	39.46
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0047				96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0037)</small>		
08 38 19 00-0048	EA			24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	618.04	32.15
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0049	EA			28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	680.85	32.15
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0050	EA			30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	708.14	33.61
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0051	EA			32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	740.18	33.61
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0052	EA			36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	766.19	35.07
				For Each 15" x 20" Window, Add	6.00	
				For Each 18" x 30" Window, Add	19.00	

08	Openings
08 30	Specialty Doors And Frames
08 38	Traffic Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0053	EA		40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	817.47 6.00 19.00	35.07
08 38 19 00-0054	EA		42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	846.73 6.00 19.00	39.46
08 38 19 00-0055	EA		44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	878.77 6.00 19.00	39.46
08 38 19 00-0056			Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0036)</small>		
08 38 19 00-0057			84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0056)</small>		
08 38 19 00-0058	EA		48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,115.99 6.00 19.00	55.53
08 38 19 00-0059	EA		56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,236.49 6.00 19.00	55.53
08 38 19 00-0060	EA		60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,285.20 6.00 19.00	55.53
08 38 19 00-0061	EA		64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,336.47 6.00 19.00	55.53
08 38 19 00-0062	EA		72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,357.71 6.00 19.00	58.45
08 38 19 00-0063	EA		80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,462.82 6.00 19.00	58.45
08 38 19 00-0064	EA		84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,557.68 6.00 19.00	58.45
08 38 19 00-0065	EA		88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,575.62 6.00 19.00	58.45
08 38 19 00-0066			96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0056)</small>		
08 38 19 00-0067	EA		48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,218.54 6.00 19.00	55.53
08 38 19 00-0068	EA		56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,344.16 6.00 19.00	55.53
08 38 19 00-0069	EA		60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,392.87 6.00 19.00	55.53
08 38 19 00-0070	EA		64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,456.96 6.00 19.00	55.53
08 38 19 00-0071	EA		72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,508.97 6.00 19.00	58.45
08 38 19 00-0072	EA		80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,611.51 6.00 19.00	58.45
08 38 19 00-0073	EA		84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,652.53 6.00 19.00	58.45
08 38 19 00-0074	EA		88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,716.62 6.00 19.00	58.45
08 38 19 00-0075			3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliason PMP-2) <small>(08 38 19)</small> Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.		
08 38 19 00-0076			Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0075)</small>		
08 38 19 00-0077			84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0076)</small>		
08 38 19 00-0078	EA		24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	597.53 6.00 19.00	32.15
08 38 19 00-0079	EA		28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	674.44 6.00 19.00	32.15



Openings	08	08
Specialty Doors And Frames	08 30	
Traffic Doors	08 38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0080	EA		30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door 697.88 <i>For Each 15" x 20" Window, Add 6.00</i> <i>For Each 18" x 30" Window, Add 19.00</i>	697.88	33.61
08 38 19 00-0081	EA		32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door 705.57 <i>For Each 15" x 20" Window, Add 6.00</i> <i>For Each 18" x 30" Window, Add 19.00</i>	705.57	33.61
08 38 19 00-0082	EA		36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door 716.20 <i>For Each 15" x 20" Window, Add 6.00</i> <i>For Each 18" x 30" Window, Add 19.00</i>	716.20	35.07
08 38 19 00-0083	EA		40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door 787.98 <i>For Each 15" x 20" Window, Add 6.00</i> <i>For Each 18" x 30" Window, Add 19.00</i>	787.98	35.07
08 38 19 00-0084	EA		42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door 855.70 <i>For Each 15" x 20" Window, Add 6.00</i> <i>For Each 18" x 30" Window, Add 19.00</i>	855.70	39.46
08 38 19 00-0085	EA		44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door 864.67 <i>For Each 15" x 20" Window, Add 6.00</i> <i>For Each 18" x 30" Window, Add 19.00</i>	864.67	39.46
08 38 19 00-0086			96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0076)</small>		
08 38 19 00-0087	EA		24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door 614.20 <i>For Each 15" x 20" Window, Add 6.00</i> <i>For Each 18" x 30" Window, Add 19.00</i>	614.20	32.15
08 38 19 00-0088	EA		28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door 709.05 <i>For Each 15" x 20" Window, Add 6.00</i> <i>For Each 18" x 30" Window, Add 19.00</i>	709.05	32.15
08 38 19 00-0089	EA		30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door 733.77 <i>For Each 15" x 20" Window, Add 6.00</i> <i>For Each 18" x 30" Window, Add 19.00</i>	733.77	33.61
08 38 19 00-0090	EA		32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door 744.03 <i>For Each 15" x 20" Window, Add 6.00</i> <i>For Each 18" x 30" Window, Add 19.00</i>	744.03	33.61
08 38 19 00-0091	EA		36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door 749.53 <i>For Each 15" x 20" Window, Add 6.00</i> <i>For Each 18" x 30" Window, Add 19.00</i>	749.53	35.07
08 38 19 00-0092	EA		40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door 802.08 <i>For Each 15" x 20" Window, Add 6.00</i> <i>For Each 18" x 30" Window, Add 19.00</i>	802.08	35.07
08 38 19 00-0093	EA		42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door 868.52 <i>For Each 15" x 20" Window, Add 6.00</i> <i>For Each 18" x 30" Window, Add 19.00</i>	868.52	39.46
08 38 19 00-0094	EA		44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door 878.77 <i>For Each 15" x 20" Window, Add 6.00</i> <i>For Each 18" x 30" Window, Add 19.00</i>	878.77	39.46
08 38 19 00-0095			Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0075)</small>		
08 38 19 00-0096			84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0095)</small>		
08 38 19 00-0097	EA		48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door 1,177.52 <i>For Each 15" x 20" Window, Add 6.00</i> <i>For Each 18" x 30" Window, Add 19.00</i>	1,177.52	55.53
08 38 19 00-0098	EA		56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door 1,331.34 <i>For Each 15" x 20" Window, Add 6.00</i> <i>For Each 18" x 30" Window, Add 19.00</i>	1,331.34	55.53
08 38 19 00-0099	EA		60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door 1,372.36 <i>For Each 15" x 20" Window, Add 6.00</i> <i>For Each 18" x 30" Window, Add 19.00</i>	1,372.36	55.53
08 38 19 00-0100	EA		64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door 1,387.74 <i>For Each 15" x 20" Window, Add 6.00</i> <i>For Each 18" x 30" Window, Add 19.00</i>	1,387.74	55.53
08 38 19 00-0101	EA		72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door 1,408.98 <i>For Each 15" x 20" Window, Add 6.00</i> <i>For Each 18" x 30" Window, Add 19.00</i>	1,408.98	58.45
08 38 19 00-0102	EA		80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door 1,552.55 <i>For Each 15" x 20" Window, Add 6.00</i> <i>For Each 18" x 30" Window, Add 19.00</i>	1,552.55	58.45
08 38 19 00-0103	EA		84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door 1,670.48 <i>For Each 15" x 20" Window, Add 6.00</i> <i>For Each 18" x 30" Window, Add 19.00</i>	1,670.48	58.45
08 38 19 00-0104	EA		88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door 1,688.42 <i>For Each 15" x 20" Window, Add 6.00</i> <i>For Each 18" x 30" Window, Add 19.00</i>	1,688.42	58.45
08 38 19 00-0105			96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0095)</small>		

08	Openings
08 30	Specialty Doors And Frames
08 38	Traffic Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0106	EA		48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,210.85 6.00 19.00	55.53
08 38 19 00-0107	EA		56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,400.56 6.00 19.00	55.53
08 38 19 00-0108	EA		60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,444.14 6.00 19.00	55.53
08 38 19 00-0109	EA		64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,464.65 6.00 19.00	55.53
08 38 19 00-0110	EA		72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,475.64 6.00 19.00	58.45
08 38 19 00-0111	EA		80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,580.75 6.00 19.00	58.45
08 38 19 00-0112	EA		84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,696.11 6.00 19.00	58.45
08 38 19 00-0113	EA		88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,716.62 6.00 19.00	58.45
08 38 19 00-0114			1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliaon SCP-2) <small>(08 38 19)</small> Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.		
08 38 19 00-0115			Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0114)</small>		
08 38 19 00-0116			84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0115)</small>		
08 38 19 00-0117	EA		24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	751.35 22.00 28.00 41.00	32.15
08 38 19 00-0118	EA		28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	819.29 22.00 28.00 41.00	32.15
08 38 19 00-0119	EA		30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	840.16 22.00 28.00 41.00	33.61
08 38 19 00-0120	EA		32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	856.83 22.00 28.00 41.00	33.61
08 38 19 00-0121	EA		36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	887.97 22.00 28.00 41.00	35.07
08 38 19 00-0122	EA		40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	920.01 22.00 28.00 41.00	35.07
08 38 19 00-0123	EA		42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	954.40 22.00 28.00 41.00	39.46
08 38 19 00-0124	EA		44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	976.19 22.00 28.00 41.00	39.46
08 38 19 00-0125			96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0115)</small>		
08 38 19 00-0126	EA		24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	809.03 22.00 28.00 41.00	32.15
08 38 19 00-0127	EA		28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	880.82 22.00 28.00 41.00	32.15
08 38 19 00-0128	EA		30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	902.97 22.00 28.00 41.00	33.61



Openings	08	08
Specialty Doors And Frames	08 30	
Traffic Doors	08 38	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0129 EA 32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	911.95	33.61
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0130 EA 36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	940.52	35.07
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0131 EA 40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	982.82	35.07
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0132 EA 42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,012.08	39.46
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0133 EA 44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,033.87	39.46
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0134 Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic		
Doors (08 38 19 00-0114)		
08 38 19 00-0135 84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact		
Traffic Doors (08 38 19 00-0134)		
08 38 19 00-0136 EA 48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,485.16	55.53
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0137 EA 56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,621.04	55.53
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0138 EA 60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,656.93	55.53
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0139 EA 64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,690.25	55.53
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0140 EA 72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,752.52	58.45
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0141 EA 80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,816.61	58.45
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0142 EA 84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,867.88	58.45
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0143 EA 88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,911.46	58.45
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0144 96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact		
Traffic Doors (08 38 19 00-0134)		
08 38 19 00-0145 EA 48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,600.53	55.53
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0146 EA 56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,744.09	55.53
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0147 EA 60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,782.55	55.53
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0148 EA 64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,800.49	55.53
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0149 EA 72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,857.63	58.45
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	

08	Openings
08 30	Specialty Doors And Frames
08 38	Traffic Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0150	EA		80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,942.23	58.45
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0151	EA		84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,983.24	58.45
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0152	EA		88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,026.83	58.45
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0153			1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliaison HCP-10) <small>(08 38 19 00-0153)</small>		
			<small>Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.</small>		
08 38 19 00-0154			Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0153)</small>		
08 38 19 00-0155			84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0154)</small>		
08 38 19 00-0156	EA		24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	738.53	32.15
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0157	EA		28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	775.71	32.15
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0158	EA		30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	811.96	33.61
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0159	EA		32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	833.75	33.61
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0160	EA		36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	890.53	35.07
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0161	EA		40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	934.11	35.07
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0162	EA		42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	977.47	39.46
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0163	EA		44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,018.49	39.46
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0164			90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0154)</small>		
08 38 19 00-0165	EA		24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	764.17	32.15
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0166	EA		28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	809.03	32.15
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0167	EA		30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	833.75	33.61
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0168	EA		32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	864.52	33.61
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0169	EA		36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	925.14	35.07
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0170	EA		40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	977.70	35.07
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0171	EA		42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,018.49	39.46
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0172	EA		44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,056.95	39.46
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0173			96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0154)</small>		
08 38 19 00-0174	EA		24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	829.54	32.15
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0175	EA		28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	838.52	32.15
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 38 19 00-0176	EA		30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	878.62	33.61
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0177	EA		32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	906.82	33.61
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0178	EA		36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	968.72	35.07
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0179	EA		40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,031.53	35.07
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0180	EA		42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,069.76	39.46
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0181	EA		44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,108.22	39.46
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0182			Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0153)</small>		
	08 38 19 00-0183			84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0182)</small>		
	08 38 19 00-0184	EA		48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,459.53	55.53
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0185	EA		56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,533.87	55.53
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0186	EA		60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,600.53	55.53
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0187	EA		64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,644.11	55.53
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0188	EA		72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,757.64	58.45
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0189	EA		80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,844.81	58.45
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0190	EA		84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,914.03	58.45
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0191	EA		88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,996.06	58.45
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0192			90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0182)</small>		
	08 38 19 00-0193	EA		48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,510.80	55.53
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0194	EA		56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,600.53	55.53
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0195	EA		60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,644.11	55.53
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0196	EA		64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,705.64	55.53
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0197	EA		72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,826.86	58.45
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0198	EA		80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,931.97	58.45
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0199	EA		84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,996.06	58.45
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0200	EA		88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,072.97	58.45
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0201			96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0182)</small>		
	08 38 19 00-0202	EA		48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,641.54	55.53
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	

08	Openings
08 30	Specialty Doors And Frames
08 38	Traffic Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0203	EA		56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,659.49	55.53
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0204	EA		60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,733.84	55.53
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0205	EA		64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,790.24	55.53
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0206	EA		72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,914.03	58.45
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0207	EA		80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,039.64	58.45
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0208	EA		84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,098.61	58.45
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0209	EA		88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,175.52	58.45
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0210			1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliason HFG-10) <small>(08 38 19 00-0210)</small>		
			Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.		
08 38 19 00-0211			Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0210)</small>		
08 38 19 00-0212			84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0211)</small>		
08 38 19 00-0213	EA		24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	738.53	32.15
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0214	EA		28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	775.71	32.15
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0215	EA		30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	811.96	33.61
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0216	EA		32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	833.75	33.61
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0217	EA		36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	890.53	35.07
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0218	EA		40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	934.11	35.07
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0219	EA		42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	977.47	39.46
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0220	EA		44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,018.49	39.46
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0221			90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0211)</small>		
08 38 19 00-0222	EA		24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	764.17	32.15
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0223	EA		28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	809.03	32.15
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0224	EA		30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	833.75	33.61
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0225	EA		32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	864.52	33.61
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0226	EA		36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	925.14	35.07
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0227	EA		40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	977.70	35.07
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0228	EA		42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,018.49	39.46
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0229	EA		44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,056.95	39.46
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	



Openings	08	08
Specialty Doors And Frames	08 30	
Traffic Doors	08 38	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0230 96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0211)</small>		
08 38 19 00-0231 EA 24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	829.54	32.15
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0232 EA 28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	838.52	32.15
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0233 EA 30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	878.62	33.61
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0234 EA 32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	906.82	33.61
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0235 EA 36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	968.72	35.07
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0236 EA 40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,031.53	35.07
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0237 EA 42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,069.76	39.46
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0238 EA 44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,108.22	39.46
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0239 Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0210)</small>		
08 38 19 00-0240 84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0239)</small>		
08 38 19 00-0241 EA 48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,459.53	55.53
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0242 EA 56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,533.87	55.53
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0243 EA 60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,600.53	55.53
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0244 EA 64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,644.11	55.53
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0245 EA 72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,757.64	58.45
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0246 EA 80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,844.81	58.45
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0247 EA 84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,914.03	58.45
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0248 EA 88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,996.06	58.45
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0249 90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0239)</small>		
08 38 19 00-0250 EA 48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,510.80	55.53
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0251 EA 56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,600.53	55.53
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0252 EA 60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,644.11	55.53
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0253 EA 64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,705.64	55.53
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0254 EA 72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,826.86	58.45
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0255 EA 80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,931.97	58.45
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0256 EA 84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,996.06	58.45
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	

08	Openings
08 30	Specialty Doors And Frames
08 38	Traffic Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0257 EA 88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,072.97 6.00 19.00	58.45
08 38 19 00-0258 96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0239)		
08 38 19 00-0259 EA 48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,641.54 6.00 19.00	55.53
08 38 19 00-0260 EA 56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,659.49 6.00 19.00	55.53
08 38 19 00-0261 EA 60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,733.84 6.00 19.00	55.53
08 38 19 00-0262 EA 64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,790.24 6.00 19.00	55.53
08 38 19 00-0263 EA 72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,914.03 6.00 19.00	58.45
08 38 19 00-0264 EA 80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,039.64 6.00 19.00	58.45
08 38 19 00-0265 EA 84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,098.61 6.00 19.00	58.45
08 38 19 00-0266 EA 88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,175.52 6.00 19.00	58.45
08 38 19 00-0267 Rigid Impact Traffic Door Accessories (08 38 19)		
08 38 19 00-0268 Bumper Strips For Impact Traffic Doors (08 38 19 00-0267) Note: Includes two bumpers per set.		
08 38 19 00-0269 SET 24" Wide, Bumper Strips For Impact Traffic Doors	70.81	23.38
08 38 19 00-0270 SET 30" Wide, Bumper Strips For Impact Traffic Doors	77.22	23.38
08 38 19 00-0271 SET 36" Wide, Bumper Strips For Impact Traffic Doors	82.34	23.38
08 38 19 00-0272 SET 48" Wide, Bumper Strips For Impact Traffic Doors	91.32	23.38
08 38 19 00-0273 Easy Spring Bumpers For Impact Traffic Doors (08 38 19 00-0267) Note: Includes two bumpers per set.		
08 38 19 00-0274 SET 18" Height, Easy Spring Bumpers For Impact Traffic Doors	174.64	23.38
08 38 19 00-0275 SET 24" Height, Easy Spring Bumpers For Impact Traffic Doors	228.47	23.38
08 38 19 00-0276 SET 36" Height, Easy Spring Bumpers For Impact Traffic Doors	332.30	23.38
08 38 19 00-0277 SET 42" Height, Easy Spring Bumpers For Impact Traffic Doors	382.29	23.38
08 38 19 00-0278 SET 48" Height, Easy Spring Bumpers For Impact Traffic Doors	433.57	23.38
08 38 19 00-0279 Scuff Plates For Impact Traffic Doors (08 38 19 00-0267) Note: Includes two 0.090" thermoplastic plates per set.		
08 38 19 00-0280 12" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)		
08 38 19 00-0281 SET 24" Wide x 12" High, Impact Traffic Door Scuff Plates.....	82.34	23.38
08 38 19 00-0282 SET 30" Wide x 12" High, Impact Traffic Door Scuff Plates.....	87.47	23.38
08 38 19 00-0283 SET 36" Wide x 12" High, Impact Traffic Door Scuff Plates.....	93.88	23.38
08 38 19 00-0284 SET 42" Wide x 12" High, Impact Traffic Door Scuff Plates.....	102.85	23.38
08 38 19 00-0285 SET 48" Wide x 12" High, Impact Traffic Door Scuff Plates.....	107.98	23.38
08 38 19 00-0286 24" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)		
08 38 19 00-0287 SET 24" Wide x 24" High, Impact Traffic Door Scuff Plates.....	107.98	23.38
08 38 19 00-0288 SET 30" Wide x 24" High, Impact Traffic Door Scuff Plates.....	131.05	23.38
08 38 19 00-0289 SET 36" Wide x 24" High, Impact Traffic Door Scuff Plates.....	143.87	23.38
08 38 19 00-0290 SET 42" Wide x 24" High, Impact Traffic Door Scuff Plates.....	161.82	23.38
08 38 19 00-0291 SET 48" Wide x 24" High, Impact Traffic Door Scuff Plates.....	173.35	23.38
08 38 19 00-0292 30" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)		
08 38 19 00-0293 SET 24" Wide x 30" High, Impact Traffic Door Scuff Plates.....	131.05	23.38
08 38 19 00-0294 SET 30" Wide x 30" High, Impact Traffic Door Scuff Plates.....	151.56	23.38
08 38 19 00-0295 SET 36" Wide x 30" High, Impact Traffic Door Scuff Plates.....	166.94	23.38
08 38 19 00-0296 SET 42" Wide x 30" High, Impact Traffic Door Scuff Plates.....	195.15	23.38
08 38 19 00-0297 SET 48" Wide x 30" High, Impact Traffic Door Scuff Plates.....	214.37	23.38
08 38 19 00-0298 36" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)		
08 38 19 00-0299 SET 24" Wide x 36" High, Impact Traffic Door Scuff Plates.....	143.87	23.38
08 38 19 00-0300 SET 30" Wide x 36" High, Impact Traffic Door Scuff Plates.....	166.94	23.38



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 38 19 00-0301	SET 36" Wide x 36" High, Impact Traffic Door Scuff Plates	192.58	23.38
	08 38 19 00-0302	SET 42" Wide x 36" High, Impact Traffic Door Scuff Plates	206.68	23.38
	08 38 19 00-0303	SET 48" Wide x 36" High, Impact Traffic Door Scuff Plates	228.47	23.38
08 38 19 00-0304	48" High, Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0279)</small>			
	08 38 19 00-0305	SET 24" Wide x 48" High, Impact Traffic Door Scuff Plates	173.35	23.38
	08 38 19 00-0306	SET 30" Wide x 48" High, Impact Traffic Door Scuff Plates	214.37	23.38
	08 38 19 00-0307	SET 36" Wide x 48" High, Impact Traffic Door Scuff Plates	228.47	23.38
	08 38 19 00-0308	SET 42" Wide x 48" High, Impact Traffic Door Scuff Plates	255.39	23.38
	08 38 19 00-0309	SET 48" Wide x 48" High, Impact Traffic Door Scuff Plates	284.87	23.38
08 38 19 00-0310	Base Plates For Impact Traffic Doors <small>(08 38 19 00-0267)</small> Note: Includes two base plates per set.			
08 38 19 00-0311	Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0310)</small>			
08 38 19 00-0312	12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0311)</small>			
	08 38 19 00-0313	SET 24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	79.78	23.38
	08 38 19 00-0314	SET 30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	84.91	23.38
	08 38 19 00-0315	SET 36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	87.47	23.38
	08 38 19 00-0316	SET 42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	99.01	23.38
	08 38 19 00-0317	SET 48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	104.14	23.38
08 38 19 00-0318	24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0311)</small>			
	08 38 19 00-0319	SET 24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	99.01	23.38
	08 38 19 00-0320	SET 30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	106.70	23.38
	08 38 19 00-0321	SET 36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	114.39	23.38
	08 38 19 00-0322	SET 42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	120.80	23.38
	08 38 19 00-0323	SET 48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	131.05	23.38
08 38 19 00-0324	30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0311)</small>			
	08 38 19 00-0325	SET 24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	111.83	23.38
	08 38 19 00-0326	SET 30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	118.24	23.38
	08 38 19 00-0327	SET 36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	133.62	23.38
	08 38 19 00-0328	SET 42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	150.28	23.38
	08 38 19 00-0329	SET 48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	157.97	23.38
08 38 19 00-0330	36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0311)</small>			
	08 38 19 00-0331	SET 24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	118.24	23.38
	08 38 19 00-0332	SET 30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	131.05	23.38
	08 38 19 00-0333	SET 36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	150.28	23.38
	08 38 19 00-0334	SET 42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	165.66	23.38
	08 38 19 00-0335	SET 48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	174.64	23.38
08 38 19 00-0336	48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0311)</small>			
	08 38 19 00-0337	SET 24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	147.72	23.38
	08 38 19 00-0338	SET 30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	165.66	23.38
	08 38 19 00-0339	SET 36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	190.02	23.38
	08 38 19 00-0340	SET 42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	201.55	23.38
	08 38 19 00-0341	SET 48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	216.94	23.38
08 38 19 00-0342	Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0310)</small>			
08 38 19 00-0343	12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0342)</small>			
	08 38 19 00-0344	SET 24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	102.85	23.38
	08 38 19 00-0345	SET 30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	107.98	23.38
	08 38 19 00-0346	SET 36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	123.36	23.38
	08 38 19 00-0347	SET 42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	131.05	23.38
	08 38 19 00-0348	SET 48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	152.84	23.38
08 38 19 00-0349	24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0342)</small>			
	08 38 19 00-0350	SET 24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	138.74	23.38
	08 38 19 00-0351	SET 30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	161.82	23.38
	08 38 19 00-0352	SET 36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	184.89	23.38
	08 38 19 00-0353	SET 42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	213.09	23.38
	08 38 19 00-0354	SET 48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	238.73	23.38
08 38 19 00-0355	30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0342)</small>			

08	Openings
08 30	Specialty Doors And Frames
08 38	Traffic Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0356 SET 24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	156.69	23.38
08 38 19 00-0357 SET 30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	187.45	23.38
08 38 19 00-0358 SET 36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	215.65	23.38
08 38 19 00-0359 SET 42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	245.14	23.38
08 38 19 00-0360 SET 48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	279.75	23.38
08 38 19 00-0361 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08		
<small>38 19 00-0342)</small>		
08 38 19 00-0362 SET 24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	179.76	23.38
08 38 19 00-0363 SET 30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	213.09	23.38
08 38 19 00-0364 SET 36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	251.55	23.38
08 38 19 00-0365 SET 42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	288.72	23.38
08 38 19 00-0366 SET 48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	320.76	23.38
08 38 19 00-0367 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08		
<small>38 19 00-0342)</small>		
08 38 19 00-0368 SET 24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	220.78	23.38
08 38 19 00-0369 SET 30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	300.26	23.38
08 38 19 00-0370 SET 36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	320.76	23.38
08 38 19 00-0371 SET 42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	382.29	23.38
08 38 19 00-0372 SET 48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	418.18	23.38
08 38 19 00-0373 One Galvanized And One Stainless Steel, 18 Gauge Base Plates For		
Impact Traffic Doors (08 38 19 00-0310)		
08 38 19 00-0374 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates		
For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0375 SET 24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	92.60	23.38
08 38 19 00-0376 SET 30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	99.01	23.38
08 38 19 00-0377 SET 36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	106.70	23.38
08 38 19 00-0378 SET 42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	115.67	23.38
08 38 19 00-0379 SET 48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	129.77	23.38
08 38 19 00-0380 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates		
For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0381 SET 24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	120.80	23.38
08 38 19 00-0382 SET 30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	136.18	23.38
08 38 19 00-0383 SET 36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	151.56	23.38
08 38 19 00-0384 SET 42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	168.23	23.38
08 38 19 00-0385 SET 48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	187.45	23.38
08 38 19 00-0386 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates		
For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0387 SET 24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	136.18	23.38
08 38 19 00-0388 SET 30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	155.41	23.38
08 38 19 00-0389 SET 36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	177.20	23.38
08 38 19 00-0390 SET 42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	204.12	23.38
08 38 19 00-0391 SET 48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	222.06	23.38
08 38 19 00-0392 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates		
For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0393 SET 24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	151.56	23.38
08 38 19 00-0394 SET 30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	177.20	23.38
08 38 19 00-0395 SET 36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	204.12	23.38
08 38 19 00-0396 SET 42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	231.04	23.38
08 38 19 00-0397 SET 48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	250.26	23.38
08 38 19 00-0398 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates		
For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0399 SET 24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	187.45	23.38
08 38 19 00-0400 SET 30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	227.19	23.38
08 38 19 00-0401 SET 36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	250.26	23.38
08 38 19 00-0402 SET 42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	296.41	23.38
08 38 19 00-0403 SET 48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	309.23	23.38
08 38 19 00-0404 Jamb Guards For Impact Traffic Doors (08 38 19 00-0267)		
08 38 19 00-0405 EA 3" x 9", Jamb Guard For Impact Traffic Doors	125.37	29.23
08 38 19 00-0406 EA 5" x 18", Jamb Guard For Impact Traffic Doors	163.82	29.23
08 38 19 00-0407 EA 5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors.....	304.82	29.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0408 Other Impact Traffic Door Accessories (08 38 19 00-0267)		
08 38 19 00-0409 EA Push Plate For Impact Traffic Doors.....	35.12	14.61
08 38 19 00-0410 EA Pull Handle For Impact Traffic Doors.....	44.09	14.61
08 38 19 00-0411 EA Deadbolt Lock For Impact Traffic Doors	99.21	14.61
08 38 19 00-0412 PR Lock Hole Reinforcements For Impact Traffic Doors	122.28	14.61
08 38 19 00-0413 PR Padlock Brackets For Impact Traffic Doors.....	53.06	14.61
08 38 19 00-0414 Impact Traffic Door Knock Down Frames (08 38 19)		
Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.		
08 38 19 00-0415 Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0414)		
08 38 19 00-0416 84" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)		
08 38 19 00-0417 EA 24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	316.63	43.84
08 38 19 00-0418 EA 28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	369.01	48.22
08 38 19 00-0419 EA 30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	379.20	51.15
08 38 19 00-0420 EA 32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	391.78	55.53
08 38 19 00-0421 EA 36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	402.53	58.45
08 38 19 00-0422 EA 40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	420.13	61.38
08 38 19 00-0423 EA 42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	433.85	64.30
08 38 19 00-0424 EA 44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	444.00	67.22
08 38 19 00-0425 90" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)		
08 38 19 00-0426 EA 24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	322.34	43.84
08 38 19 00-0427 EA 28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	375.81	48.22
08 38 19 00-0428 EA 30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	386.13	51.15
08 38 19 00-0429 EA 32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	398.80	55.53
08 38 19 00-0430 EA 36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	409.67	58.45
08 38 19 00-0431 EA 40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	427.57	61.38
08 38 19 00-0432 EA 42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	441.47	64.30
08 38 19 00-0433 EA 44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	451.74	67.22
08 38 19 00-0434 96" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)		
08 38 19 00-0435 EA 24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	329.95	43.84
08 38 19 00-0436 EA 28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	384.86	48.22
08 38 19 00-0437 EA 30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	395.32	51.15
08 38 19 00-0438 EA 32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	405.87	55.53
08 38 19 00-0439 EA 36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	419.16	58.45
08 38 19 00-0440 EA 40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	435.00	61.38
08 38 19 00-0441 EA 42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	451.61	64.30
08 38 19 00-0442 EA 44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	462.59	65.76
08 38 19 00-0443 Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0414)		
08 38 19 00-0444 84" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)		
08 38 19 00-0445 EA 48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	450.60	67.22
08 38 19 00-0446 EA 56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	458.86	68.39
08 38 19 00-0447 EA 60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	467.35	70.14
08 38 19 00-0448 EA 64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	480.56	73.07
08 38 19 00-0449 EA 72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	489.92	75.99
08 38 19 00-0450 EA 80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	504.43	76.58
08 38 19 00-0451 EA 84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	514.66	77.45
08 38 19 00-0452 EA 88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	527.41	78.91
08 38 19 00-0453 90" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)		
08 38 19 00-0454 EA 48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	458.50	67.22
08 38 19 00-0455 EA 56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	466.87	68.39
08 38 19 00-0456 EA 60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	475.53	70.14
08 38 19 00-0457 EA 64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	488.92	73.07
08 38 19 00-0458 EA 72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	498.38	75.99
08 38 19 00-0459 EA 80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	513.21	76.58
08 38 19 00-0460 EA 84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	523.66	77.45
08 38 19 00-0461 EA 88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	536.65	78.91
08 38 19 00-0462 96" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)		
08 38 19 00-0463 EA 48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	467.72	67.22
08 38 19 00-0464 EA 56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	474.87	68.39
08 38 19 00-0465 EA 60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	486.38	70.14
08 38 19 00-0466 EA 64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	497.27	73.07
08 38 19 00-0467 EA 72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	509.60	75.99
08 38 19 00-0468 EA 80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	526.15	76.58
08 38 19 00-0469 EA 84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	535.60	77.45
08 38 19 00-0470 EA 88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	548.37	78.91

08 Openings**08 40 Entrances, Storefronts, And Curtain Walls****08 38 Traffic Doors**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**08 40 Entrances, Storefronts, And Curtain Walls** (08)**08 42 Entrances** (08 40)**08 42 13 Aluminum-Framed Entrances** (08 42)**08 42 13 00-0001 Aluminum Framed Entrance Doors** (08 42 13)

Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. Special-Lite. See CSI section 08 71 23 00-2099 for exit device, 08 71 23 00-2247 for closer.

08 42 13 00-0002	EA	3' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14).....	2,345.95	447.63
		For 8' High Door, Add	192.61	
		For 10' High Door, Add	418.71	
		For 1" Insulated Glazing, Add	39.32	
08 42 13 00-0003	EA	3'-6" x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14).....	2,356.81	447.63
		For 8' High Door, Add	193.86	
		For 10' High Door, Add	421.43	
		For 1" Insulated Glazing, Add	39.32	
08 42 13 00-0004	PR	6' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14).....	3,906.63	671.32
		For 8' High Door, Add	333.73	
		For 10' High Door, Add	725.49	
		For 1" Insulated Glazing, Add	78.65	
08 42 13 00-0005	PR	7' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14).....	4,440.59	671.32
		For 8' High Door, Add	395.13	
		For 10' High Door, Add	858.98	
		For 1" Insulated Glazing, Add	78.65	
08 42 13 00-0006	EA	3' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15).....	2,573.86	447.63
		For 8' High Door, Add	218.82	
		For 10' High Door, Add	475.69	
		For 1" Insulated Glazing, Add	39.32	
08 42 13 00-0007	EA	3'-6" x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15).....	2,598.82	447.63
		For 8' High Door, Add	221.69	
		For 10' High Door, Add	481.93	
		For 1" Insulated Glazing, Add	39.32	
08 42 13 00-0008	PR	6' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15).....	4,337.49	671.32
		For 8' High Door, Add	383.28	
		For 10' High Door, Add	833.21	
		For 1" Insulated Glazing, Add	78.65	
08 42 13 00-0009	PR	7' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15).....	4,858.87	671.32
		For 8' High Door, Add	443.23	
		For 10' High Door, Add	963.55	
		For 1" Insulated Glazing, Add	78.65	

08 42 26 All-Glass Entrances (08 42)**08 42 26 00-0001 Full Glass Entrance Doors** (08 42 26)

Note: Includes trim, necessary anchors, tempered glass, and standard hardware (hinges, handle, push plate, lock, closer). Excludes panic devices.

08 42 26 00-0002	EA	3' x 7' x 1/2" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware.....	2,915.85	167.78
		For 8' High Door, Add	258.15	
		For 10' High Door, Add	561.19	
		For 1" Insulated Glazing, Add	39.32	
		For Anodized Color, Add	404.05	
		For Stainless Steel, Add	1,459.08	
08 42 26 00-0003	PR	6' x 7' x 1/2" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 1/2').....	5,197.08	201.33
		For 8' High Door, Add	487.41	
		For 10' High Door, Add	1,059.59	
		For 1" Insulated Glazing, Add	78.65	
		For Anodized Color, Add	762.90	
		For Stainless Steel, Add	2,754.92	
08 42 26 00-0004	EA	3' x 7' x 5/8" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware.....	3,320.25	167.78
		For 8' High Door, Add	304.65	
		For 10' High Door, Add	662.29	
		For 1" Insulated Glazing, Add	39.32	
		For Anodized Color, Add	476.85	
		For Stainless Steel, Add	1,721.94	
08 42 26 00-0005	PR	6' x 7' x 5/8" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 5/8').....	6,067.79	201.33
		For 8' High Door, Add	587.54	
		For 10' High Door, Add	1,277.26	
		For 1" Insulated Glazing, Add	78.65	
		For Anodized Color, Add	919.63	
		For Stainless Steel, Add	3,320.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 26 00-0006 EA 3' x 7' x 3/4" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware.....	3,723.06	167.78
<i>For 8' High Door, Add</i>	350.97	
<i>For 10' High Door, Add</i>	762.99	
<i>For 1" Insulated Glazing, Add</i>	39.32	
<i>For Anodized Color, Add</i>	549.35	
<i>For Stainless Steel, Add</i>	1,983.77	
08 42 26 00-0007 PR 6' x 7' x 3/4" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 3/4").....	6,937.07	201.33
<i>For 8' High Door, Add</i>	687.51	
<i>For 10' High Door, Add</i>	1,494.58	
<i>For 1" Insulated Glazing, Add</i>	78.65	
<i>For Anodized Color, Add</i>	1,076.10	
<i>For Stainless Steel, Add</i>	3,885.91	
08 42 26 00-0008 EA 3' x 7' x 1" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware	4,530.26	167.78
<i>For 8' High Door, Add</i>	443.80	
<i>For 10' High Door, Add</i>	964.79	
<i>For 1" Insulated Glazing, Add</i>	39.32	
<i>For Anodized Color, Add</i>	694.65	
<i>For Stainless Steel, Add</i>	2,508.45	
08 42 26 00-0009 PR 6' x 7' x 1" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 1").....	8,677.04	201.33
<i>For 8' High Door, Add</i>	887.60	
<i>For 10' High Door, Add</i>	1,929.58	
<i>For 1" Insulated Glazing, Add</i>	78.65	
<i>For Anodized Color, Add</i>	1,389.29	
<i>For Stainless Steel, Add</i>	5,016.90	
08 42 26 00-0010 Frames For Full Glass Doors (08 42 26)		
08 42 26 00-0011 LF Glass Entrance Door, Light Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	15.91	2.02
08 42 26 00-0012 LF Glass Entrance Door, Heavy Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	20.65	2.68
08 42 29 Automatic Entrances (08 42)		
08 42 29 23 Sliding Automatic Entrances (08 42 29)		
Note: Power-operated automatic sliding doors may be used as emergency egress doors as they can "break-out" in the direction of egress. Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 42 29 23-0001 Bronze Finished Framed Sliding Automatic Entrances (08 42 29 23)		
08 42 29 23-0002 2 Panel, Bronze Finished Framed Sliding Automatic Entrance (08 42 29 23-0001)		
Note: Single sliding.		
08 42 29 23-0003 EA 5'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	1,337.99	67.12
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	90.28	
<i>For Emergency Egress On All Panels, Add</i>	240.75	
08 42 29 23-0004 EA 6'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	1,492.70	90.60
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	98.36	
<i>For Emergency Egress On All Panels, Add</i>	262.30	
08 42 29 23-0005 EA 7'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	1,624.56	100.66
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	106.74	
<i>For Emergency Egress On All Panels, Add</i>	284.65	
08 42 29 23-0006 EA 8'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	1,752.83	110.74
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	114.85	
<i>For Emergency Egress On All Panels, Add</i>	306.27	
08 42 29 23-0007 EA 10'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	2,299.02	134.22
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	152.29	
<i>For Emergency Egress On All Panels, Add</i>	406.11	
08 42 29 23-0008 EA 12'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	2,393.93	157.71
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	155.89	
<i>For Emergency Egress On All Panels, Add</i>	415.70	
08 42 29 23-0009 EA 15'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	3,189.56	181.20
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	212.04	
<i>For Emergency Egress On All Panels, Add</i>	565.43	
08 42 29 23-0010 4 Panel, Bronze Finished Framed Sliding Automatic Entrance (08 42 29 23-0001)		
Note: Bi-parting.		
08 42 29 23-0011 EA 12'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	2,691.39	167.78
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	176.69	
<i>For Emergency Egress On All Panels, Add</i>	471.17	
08 42 29 23-0012 EA 14'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	2,951.18	184.56
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	193.66	
<i>For Emergency Egress On All Panels, Add</i>	516.41	
08 42 29 23-0013 EA 16'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	3,210.99	201.33
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	210.62	
<i>For Emergency Egress On All Panels, Add</i>	561.66	
08 42 29 23-0014 EA 18'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	3,873.28	218.11
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	257.78	
<i>For Emergency Egress On All Panels, Add</i>	687.41	
08 42 29 23-0015 EA 20'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	4,535.56	234.83
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	304.93	
<i>For Emergency Egress On All Panels, Add</i>	813.16	
08 42 29 23-0016 Aluminum Finished Framed Sliding Automatic Entrances (08 42 29 23)		

08 Openings**08 40 Entrances, Storefronts, And Curtain Walls****08 42 Entrances**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0017 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance (08 42 29 23-0016) Note: Single sliding.		
08 42 29 23-0018 EA 5'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance 1,224.58	67.12	
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	81.78	
For Emergency Egress On All Panels, Add	218.07	
08 42 29 23-0019 EA 6'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance 1,369.16	90.60	
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	89.10	
For Emergency Egress On All Panels, Add	237.59	
08 42 29 23-0020 EA 7'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance 1,488.40	100.66	
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	96.53	
For Emergency Egress On All Panels, Add	257.41	
08 42 29 23-0021 EA 8'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance 1,608.56	110.74	
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	104.03	
For Emergency Egress On All Panels, Add	277.42	
08 42 29 23-0022 EA 9'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance 1,858.15	122.48	
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	120.99	
For Emergency Egress On All Panels, Add	322.64	
08 42 29 23-0023 EA 10'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance 2,107.73	134.22	
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	137.95	
For Emergency Egress On All Panels, Add	367.86	
08 42 29 23-0024 EA 12'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance 2,198.12	157.71	
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	141.20	
For Emergency Egress On All Panels, Add	376.54	
08 42 29 23-0025 EA 15'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance 2,923.24	181.20	
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	192.06	
For Emergency Egress On All Panels, Add	512.17	
08 42 29 23-0026 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance (08 42 29 23-0016) Note: Bi-parting.		
08 42 29 23-0027 EA 10'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance 2,345.99	159.39	
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	152.04	
For Emergency Egress On All Panels, Add	405.44	
08 42 29 23-0028 EA 12'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance 2,469.46	167.78	
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	160.04	
For Emergency Egress On All Panels, Add	426.78	
08 42 29 23-0029 EA 14'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance 2,707.93	184.56	
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	175.41	
For Emergency Egress On All Panels, Add	467.76	
08 42 29 23-0030 EA 16'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance 2,946.41	201.33	
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	190.78	
For Emergency Egress On All Panels, Add	508.75	
08 42 29 23-0031 EA 18'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance 3,549.49	218.11	
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	233.49	
For Emergency Egress On All Panels, Add	622.65	
08 42 29 23-0032 EA 20'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance 4,152.55	234.83	
For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	276.21	
For Emergency Egress On All Panels, Add	736.55	
08 42 29 23-0033 Stanley Automatic Slide Doors (08 42 29 23-0016)		
08 42 29 23-0034 EA Single Slide, Dura Glide 2000 Slide Panel, Swing Out, Stanley Automatic Slide Door 4,817.28		
Note: Includes slide door safety sensor. Vestibule entry, suite entry, OR entry, and OR back entry applications.		
For Special Finish, Add	602.16	
For Access Control Belt Lock, Add	1,254.50	
For Smoke Evacuation, Add	351.26	
For Push Plate/Touchless Activation, Add	250.90	
For Aluminum Transom, Add	451.62	
For Added Panel, Add	853.06	
For 1/2" Clear Glass, Add	1,154.14	
08 42 29 23-0035 EA Single Slide, Dura Glide 3000 All Panel, Swing Out, Stanley Automatic Slide Door 4,967.82		
Note: Includes slide door safety sensor. Vestibule entry, suite entry, parking garage, auto ICU, and latching applications.		
For Special Finish, Add	602.16	
For Access Control Belt Lock, Add	1,354.86	
For Smoke Evacuation, Add	351.26	
For Push Plate/Touchless Activation, Add	250.90	
For Aluminum Transom, Add	451.62	
For Added Panel, Add	853.06	
For 1/2" Clear Glass, Add	1,354.86	
08 42 29 23-0036 EA Single Slide, Dura Glide 5200 Lead Slide Panel, Swing Out, Stanley Automatic Slide Door 7,276.10		
Note: Includes slide door safety sensor. Vestibule entry, suite entry, parking garage, and OR with latching applications.		
For Special Finish, Add	602.16	
For Access Control Belt Lock, Add	1,254.50	
For Push Plate/Touchless Activation, Add	250.90	
For Aluminum Transom, Add	451.62	
For Added Panel, Add	853.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0037 EA Single Slide, Dura Glide 5300 All Panel, Swing Out, Stanley Automatic Slide Door.....7,476.82 Note: Includes slide door safety sensor. Vestibule entry, suite entry, parking garage, and OR with latching applications.		
<i>For Special Finish, Add</i>	602.16	
<i>For Access Control Belt Lock, Add</i>	1,354.86	
<i>For Push Plate/Touchless Activation, Add</i>	250.90	
<i>For Aluminum Transom, Add</i>	451.62	
<i>For Added Panel, Add</i>	853.06	
08 42 29 23-0038 EA Bi Part Slide, Dura Glide 2000 Slide Panel, Swing Out, Stanley Automatic Slide Door.....6,222.32 Note: Includes slide door safety sensor. Vestibule entry, suite entry, OR entry, and OR back entry applications.		
<i>For Special Finish, Add</i>	1,103.96	
<i>For Access Control Belt Lock, Add</i>	1,254.50	
<i>For Smoke Evacuation, Add</i>	351.26	
<i>For Push Plate/Touchless Activation, Add</i>	250.90	
<i>For Aluminum Transom, Add</i>	451.62	
<i>For Added Panel, Add</i>	853.06	
<i>For 1/2" Clear Glass, Add</i>	1,154.14	
08 42 29 23-0039 EA Bi Part Slide, Dura Glide 3000 All Panel, Swing Out, Stanley Automatic Slide Door.....6,372.86 Note: Includes slide door safety sensor. Vestibule entry, suite entry, parking garage, auto ICU, and latching applications.		
<i>For Special Finish, Add</i>	1,103.96	
<i>For Access Control Belt Lock, Add</i>	1,354.86	
<i>For Smoke Evacuation, Add</i>	351.26	
<i>For Push Plate/Touchless Activation, Add</i>	250.90	
<i>For Aluminum Transom, Add</i>	451.62	
<i>For Added Panel, Add</i>	853.06	
<i>For 1/2" Clear Glass, Add</i>	1,354.86	
08 42 29 23-0040 EA Bi Part Slide, Dura Glide 5200 Lead Slide Panel, Swing Out, Stanley Automatic Slide Door.....8,982.22 Note: Includes slide door safety sensor. Vestibule entry, suite entry, parking garage, and OR with latching applications.		
<i>For Special Finish, Add</i>	1,103.96	
<i>For Access Control Belt Lock, Add</i>	1,254.50	
<i>For Push Plate/Touchless Activation, Add</i>	250.90	
<i>For Aluminum Transom, Add</i>	451.62	
<i>For Added Panel, Add</i>	853.06	
08 42 29 23-0041 EA Bi Part Slide, Dura Glide 5300 All Panel, Swing Out, Stanley Automatic Slide Door.....9,182.94 Note: Includes slide door safety sensor. Vestibule entry, suite entry, parking garage, and OR with latching applications.		
<i>For Special Finish, Add</i>	1,103.96	
<i>For Access Control Belt Lock, Add</i>	1,354.86	
<i>For Push Plate/Touchless Activation, Add</i>	250.90	
<i>For Aluminum Transom, Add</i>	451.62	
<i>For Added Panel, Add</i>	853.06	
08 42 29 23-0042 EA Dura Max 5400 All Panel, Swing Out, Stanley Automatic Slide Door With Glass.....6,975.02 Note: Includes slide door safety sensor. Vestibule entry, suite entry, and parking garage applications.		
<i>For Special Finish, Add</i>	1,103.96	
<i>For Access Control Belt Lock, Add</i>	1,103.96	
<i>For Push Plate/Touchless Activation, Add</i>	250.90	
<i>For Aluminum Transom, Add</i>	451.62	
<i>For Added Panel, Add</i>	853.06	
08 42 29 23-0043 Stainless Steel Framed Sliding Automatic Entrances (08 42 29 23)		
08 42 29 23-0044 2 Panel, Stainless Steel Framed Sliding Automatic Entrance (08 42 29 23-0043) Note: Single sliding.		
08 42 29 23-0045 EA 5'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance.....1,529.67		67.12
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	104.66	
<i>For Emergency Egress On All Panels, Add</i>	279.09	
08 42 29 23-0046 EA 6'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance.....1,701.55		90.60
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	114.03	
<i>For Emergency Egress On All Panels, Add</i>	304.07	
08 42 29 23-0047 EA 7'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance.....1,976.53		100.66
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	133.14	
<i>For Emergency Egress On All Panels, Add</i>	355.04	
08 42 29 23-0048 EA 8'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance.....2,266.99		110.74
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	153.41	
<i>For Emergency Egress On All Panels, Add</i>	409.10	
08 42 29 23-0049 EA 10'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance.....2,622.36		134.22
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	176.54	
<i>For Emergency Egress On All Panels, Add</i>	470.78	
08 42 29 23-0050 EA 12'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance.....2,724.89		157.71
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	180.71	
<i>For Emergency Egress On All Panels, Add</i>	481.89	
08 42 29 23-0051 EA 15'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance.....3,639.77		181.20
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	245.80	
<i>For Emergency Egress On All Panels, Add</i>	655.47	
08 42 29 23-0052 4 Panel, Stainless Steel Framed Sliding Automatic Entrance (08 42 29 23-0043) Note: Bi-parting.		
08 42 29 23-0053 EA 12'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance.....3,066.53		167.78
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	204.82	
<i>For Emergency Egress On All Panels, Add</i>	546.19	

08 Openings**08 40 Entrances, Storefronts, And Curtain Walls****08 42 Entrances**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0054 EA 14'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,362.34 224.49 598.65	184.56
08 42 29 23-0055 EA 16'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,658.15 244.16 651.10	201.33
08 42 29 23-0056 EA 18'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,420.58 298.83 796.87	218.11
08 42 29 23-0057 EA 20'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	5,182.99 353.49 942.64	234.89
08 42 29 23-0058 Accessories For Sliding Automatic Entrances (08 42 29 23) See CSI section 08 42 29 33-0012 for activation devices.		
08 42 29 23-0059 EA Automatic 2 Panel Sliding Door Motor, Activation Eye Or Push Button Controls..... Note: Includes motor for pair of sliding doors (2 panels).	3,264.03	584.52
08 42 29 23-0060 EA Automatic 4 Panel Sliding Door Motor, Activation Eye Or Push Button Controls..... Note: Includes motor for pair of sliding doors (4 panel).	5,753.45	876.78
08 42 29 23-0061 Automatic Sliding Door System (08 42 29 23)		
08 42 29 23-0062 SF Entrance Technology Automatic Sliding Door System, #2000.....	74.29	5.84
08 42 29 23-0063 SF Entrance Technology Automatic Sliding Door System, #2010.....	78.20	5.84
08 42 29 23-0064 SF Entrance Technology Automatic Sliding Door System, #2020.....	82.11	5.84
08 42 29 23-0065 SF Entrance Technology Automatic Sliding Door System, #2030.....	89.93	5.84
08 42 29 23-0066 Stanley Swing Door Operators (08 42 29 23)		
08 42 29 23-0067 EA Single Swing, Magic Access Low Energy ADA Stanley Swing Door Operator Note: Restroom, waiting room, and non center hung applications. <i>For Special Finish, Add</i> <i>For Security Relay Module, Add</i> <i>For Fire Alarm Relay Module, Add</i> <i>For Push Plate/Touchless Activation, Add</i> <i>For Aluminum Door And Frame, Add</i> <i>For Aluminum Transom, Add</i> <i>For Installatoin On Glass Door (Excludes Door), Add</i>	1,505.40 200.72 200.72 301.08 250.90 3,512.60 301.08 501.80	
08 42 29 23-0068 EA Single Swing, Magic Force Low/Full Energy HD Stanley Swing Door Operator Note: Exterior entries, corridors, and center hung applications. <i>For Special Finish, Add</i> <i>For Door Safetey Sensors, Add</i> <i>For Security Relay Module, Add</i> <i>For Fire Alarm Relay Module, Add</i> <i>For Push Plate/Touchless Activation, Add</i> <i>For Aluminum Door And Frame, Add</i> <i>For Aluminum Transom, Add</i>	1,806.48 200.72 998.58 200.72 301.08 250.90 3,512.60 301.08	
08 42 29 23-0069 EA Single Swing, Magic Swing Industrial Stanley Swing Door Operator..... Note: Special, xray, heavy use applications. <i>For Special Finish, Add</i> <i>For Security Relay Module, Add</i> <i>For Fire Alarm Relay Module, Add</i> <i>For Push Plate/Touchless Activation, Add</i> <i>For Aluminum Door And Frame, Add</i> <i>For Aluminum Transom, Add</i>	2,910.44 200.72 200.72 301.08 250.90 3,512.60 301.08	
08 42 29 23-0070 EA Single Swing, SBD Auto Stanley Bifold Door Operator..... Note: Special applications. <i>For Special Finish, Add</i> <i>For Push Plate/Touchless Activation, Add</i> <i>For Aluminum Transom, Add</i>	4,139.85 451.62 250.90 301.08	
08 42 29 23-0071 EA Pair Swing, Magic Access Low Energy ADA Stanley Swing Door Operator Note: Restroom, waiting room, and non center hung applications. <i>For Special Finish, Add</i> <i>For Security Relay Module, Add</i> <i>For Fire Alarm Relay Module, Add</i> <i>For Push Plate/Touchless Activation, Add</i> <i>For Aluminum Door And Frame, Add</i> <i>For Aluminum Transom, Add</i> <i>For Installatoin On Glass Door (Excludes Door), Add</i>	2,759.90 200.72 200.72 301.08 250.90 3,512.60 301.08 501.80	
08 42 29 23-0072 EA Pair Swing, Magic Force Low/Full Energy HD Stanley Swing Door Operator Note: Exterior entries, corridors, and center hung applications. <i>For Special Finish, Add</i> <i>For Door Safetey Sensors, Add</i> <i>For Security Relay Module, Add</i> <i>For Fire Alarm Relay Module, Add</i> <i>For Push Plate/Touchless Activation, Add</i> <i>For Aluminum Door And Frame, Add</i> <i>For Aluminum Transom, Add</i>	3,763.50 200.72 998.58 200.72 301.08 250.90 3,512.60 301.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0073 EA Pair Swing, Magic Swing Industrial Stanley Swing Door Operator .....5,018.00 Note: Special, xray, heavy use applications. <i>For Special Finish, Add</i> 200.72 <i>For Security Relay Module, Add</i> 200.72 <i>For Fire Alarm Relay Module, Add</i> 301.08 <i>For Push Plate/Touchless Activation, Add</i> 250.90 <i>For Aluminum Door And Frame, Add</i> 3,512.60 <i>For Aluminum Transom, Add</i> 301.08		
08 42 29 23-0074 EA Pair Swing, SBD Auto Stanley Bifold Door Operator .....6,272.50 Note: Special applications. <i>For Special Finish, Add</i> 953.42 <i>For Push Plate/Touchless Activation, Add</i> 250.90 <i>For Aluminum Transom, Add</i> 301.08		
08 42 29 33 Swinging Automatic Entrances (08 42 29) Note: Excludes glazing.		
08 42 29 33-0001 Swing Door Operators, Up To 350 LB Panel Weight (08 42 29 33) Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.		
08 42 29 33-0002 EA Concealed Single Door Swing Door Operator, Up To 350 LB Panel .....2,389.45 Note: For new storefront or existing concealed operator installations.	350.73	
08 42 29 33-0003 EA Concealed Pair Of Doors Swing Door Operator, Up To 350 LB Panel .....4,077.87 Note: For new storefront or existing concealed operator installations.	467.66	
08 42 29 33-0004 EA Exposed Single Door Swing Door Operator, Up To 350 LB Panel .....1,984.36	280.58	
08 42 29 33-0005 EA Exposed Pair Of Doors Swing Door Operator, Up To 350 LB Panel .....3,547.48	420.87	
08 42 29 33-0006 Swing Door Operators (LCN) (08 42 29 33)		
08 42 29 33-0007 Electrohydraulic Swing Door Operators (LCN) (08 42 29 33-0006) Note: Includes electrohydraulic swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection.		
08 42 29 33-0008 EA Surface Mount, Low-Energy Electrohydraulic, Swing Door Operator (LCN 4640 Series).....3,884.04	280.58	
08 42 29 33-0009 EA Surface Mount, Low-Energy Electrohydraulic, Swing Door Operator (LCN 4630 Series).....3,955.88	280.58	
08 42 29 33-0010 Electromechanical Swing Door Operators (LCN) (08 42 29 33-0006) Note: Includes electromechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection.		
08 42 29 33-0011 EA Surface Mount, Simultaneous Pair, Electromechanical, Swing Door Operator (LCN 9550 Series) .....5,431.21	420.87	
08 42 29 33-0012 Activation Devices For Door Operators (08 42 29 33)		
08 42 29 33-0013 EA Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97) .....327.01 Note: Includes wiring harness and relays.	28.05	
08 42 29 33-0014 EA On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS).....288.61 Note: Includes wiring harness and relays.	28.05	
08 42 29 33-0015 EA Microwave Motion Sensor For Door Operator (MS Sedco D38) .....291.67 Note: Includes wiring harness and relays.	28.05	
08 42 29 33-0016 EA Push Plate For Door Operator (MS Sedco 59 Series) .....108.80 Note: Excludes wiring from operator to push plate.	28.05	
08 42 29 33-0017 EA Jamb Mounted Push Button For Door Operator (MS Sedco 425 Series) .....89.85 Note: Excludes wiring from operator to push button.	28.05	
08 42 29 33-0018 EA Radio Control System For Door Operator (MS Sedco Clearpath) .....468.37 Note: Includes receiver and two push plate transmitters.	70.15	
<i>For Single Transmitter (Includes Receiver, One Push Plate Transmitter, And One Jamb Mounted Push Button), Deduct</i> -64.00		
08 42 29 33-0019 EA Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision) .....718.84 Note: Includes wiring harness and relays.	35.07	
08 42 29 33-0020 EA Guard Rail For Door With Operator .....142.68	35.07	
08 42 36 Balanced Door Entrances (08 42)		
08 42 36 00-0001 Balanced Doors, With Glass (08 42 36) Note: Includes 3/4" tempered glass, check and door guide, top pivot with bearing, torsion bar closer spring, bottom arm, semi-automatic hold open device, floor box, door roller guide, bottom pivot, top arm.		
08 42 36 00-0002 EA 2'-6" x 7'-0" Balanced Door, Stainless Steel .....10,824.47 <i>For Bronze Instead Of Stainless Steel, Deduct</i> -2,594.91 <i>For 70% Fluoropolymer Exterior Finish (Duramar), Add</i> 1,037.97 <i>For Tinted Glass, Add</i> 518.98 <i>For Aluminum, Painted Finish, Deduct</i> -3,113.90	177.87	
08 42 36 00-0003 EA 3'-0" x 7'-0" Balanced Door, Stainless Steel .....11,245.99 <i>For Bronze Instead Of Stainless Steel, Deduct</i> -2,700.29 <i>For 70% Fluoropolymer Exterior Finish (Duramar), Add</i> 1,080.12 <i>For Tinted Glass, Add</i> 540.06 <i>For Aluminum, Painted Finish, Deduct</i> -3,240.35	177.87	

08 Openings**08 40 Entrances, Storefronts, And Curtain Walls****08 42 Entrances**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 36 00-0004	EA		3'-6" x 7'-0" Balanced Door, Stainless Steel.....	12,269.74	177.87
			<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-2,956.23	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	1,182.49	
			<i>For Tinted Glass, Add</i>	591.25	
			<i>For Aluminum, Painted Finish, Deduct</i>	-3,547.48	
08 42 36 00-0005	EA		4'-0" x 7'-0" Balanced Door, Stainless Steel.....	13,474.19	177.87
			<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-3,257.34	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	1,302.94	
			<i>For Tinted Glass, Add</i>	651.47	
			<i>For Aluminum, Painted Finish, Deduct</i>	-3,908.81	
08 42 36 00-0006	PR		Pair 3'-0" x 7'-0" Balanced Door, Stainless Steel.....	22,447.51	338.06
			<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-5,400.59	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	2,160.24	
			<i>For Tinted Glass, Add</i>	1,080.12	
			<i>For Aluminum, Painted Finish, Deduct</i>	-6,480.71	
08 44 Curtain Wall And Glazed Assemblies (08 40)					
08 44 13 Glazed Aluminum Curtain Walls (08 44)					
08 44 13 00-0001 Curtain Walls (08 44 13)					
08 44 13 00-0002 Coping Sections (08 44 13 00-0001)					
08 44 13 00-0003	LF		Curtain Wall, 1/8" x 8" Coping Section Shaped (3") Aluminum System Framing Section	24.94	2.02
			<i>For Bronze Anodized Aluminum, Add</i>	1.97	
			<i>For Stainless Steel, Add</i>	8.49	
			<i>For Black Anodized Finish, Add</i>	3.55	
08 44 13 00-0004	LF		Curtain Wall, 1/8" x 9" Coping Section Shaped (4") Aluminum System Framing Section	25.64	2.02
			<i>For Bronze Anodized Aluminum, Add</i>	2.08	
			<i>For Stainless Steel, Add</i>	8.91	
			<i>For Black Anodized Finish, Add</i>	3.74	
08 44 13 00-0005	LF		Curtain Wall, 1/8" x 12-1/2" Coping Section Shaped (5-1/2") Aluminum Framing Section.....	31.12	2.68
			<i>For Bronze Anodized Aluminum, Add</i>	2.47	
			<i>For Stainless Steel, Add</i>	10.60	
			<i>For Black Anodized Finish, Add</i>	4.44	
08 44 13 00-0006 Sill Section (08 44 13 00-0001)					
08 44 13 00-0007	LF		Aluminum Curtain Wall, 1/8" x 6" Sill Section Shaped Aluminum System Framing Section	19.71	1.34
			<i>For Bronze Anodized Aluminum, Add</i>	1.71	
			<i>For Stainless Steel, Add</i>	7.27	
			<i>For Black Anodized Finish, Add</i>	3.08	
08 44 13 00-0008	LF		Aluminum Curtain Wall, 1/8" x 7" Sill Section Shaped Aluminum System Framing Section	20.93	1.34
			<i>For Bronze Anodized Aluminum, Add</i>	1.90	
			<i>For Stainless Steel, Add</i>	8.00	
			<i>For Black Anodized Finish, Add</i>	3.41	
08 44 13 00-0009	LF		Aluminum Curtain Wall, 1/8" x 8-1/2" Sill Section Shaped Aluminum System Framing Section	22.16	1.34
			<i>For Bronze Anodized Aluminum, Add</i>	2.08	
			<i>For Stainless Steel, Add</i>	8.74	
			<i>For Black Anodized Finish, Add</i>	3.74	
08 44 13 00-0010 Aluminum Column Covers (08 44 13 00-0001)					
Note: Includes all clips and fasteners.					
08 44 13 00-0011	LF		Aluminum Column Covers, 1/8" x 26", Shaped.....	47.66	3.36
			<i>For Bronze Anodized Aluminum, Add</i>	4.31	
			<i>For Stainless Steel, Add</i>	18.20	
			<i>For Black Anodized Finish, Add</i>	7.76	
08 44 13 00-0012	LF		Aluminum Column Covers, 1/8" x 34", Shaped.....	56.74	3.36
			<i>For Bronze Anodized Aluminum, Add</i>	5.51	
			<i>For Stainless Steel, Add</i>	23.02	
			<i>For Black Anodized Finish, Add</i>	9.91	
08 44 13 00-0013	LF		Aluminum Column Covers, 1/8" x 38", Shaped.....	60.00	3.36
			<i>For Bronze Anodized Aluminum, Add</i>	5.99	
			<i>For Stainless Steel, Add</i>	24.98	
			<i>For Black Anodized Finish, Add</i>	10.79	
08 44 13 00-0014 Spandrel Covers (08 44 13 00-0001)					
Note: Where exterior facing only is described in the following the interior face will be tempered hardboard (to be painted).					
08 44 13 00-0015	SF		1" Spandrel Cover, Aluminum Both Faces.....	18.11	1.34
			<i>For Bronze Anodized Aluminum, Add</i>	1.87	
			<i>For Stainless Steel, Add</i>	7.76	
			<i>For Black Anodized Finish, Add</i>	3.37	
08 44 13 00-0016	SF		1" Spandrel Cover, Aluminum Exterior Face.....	16.26	1.34
			<i>For Bronze Anodized Aluminum, Add</i>	1.59	
			<i>For Stainless Steel, Add</i>	6.65	
			<i>For Black Anodized Finish, Add</i>	2.87	
08 44 13 00-0017	SF		1" Spandrel Cover, Epoxy Both Faces.....	31.58	1.34
			<i>For Bronze Anodized Aluminum, Add</i>	3.89	
			<i>For Stainless Steel, Add</i>	15.85	
			<i>For Black Anodized Finish, Add</i>	7.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0018 SF 1" Spandrel Cover, Epoxy Exterior Face Only..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	26.36 3.11 12.71 5.59	1.34
08 44 13 00-0019 SF 2" Spandrel Cover, Aluminum Both Faces..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	20.78 2.05 8.56 3.69	1.34
08 44 13 00-0020 SF 2" Spandrel Cover, Aluminum Exterior Face <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	19.03 1.79 7.51 3.22	1.34
08 44 13 00-0021 SF 2" Spandrel Cover, Epoxy Both Faces..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	36.45 4.40 17.97 7.92	1.34
08 44 13 00-0022 SF 2" Spandrel Cover, Epoxy Exterior Face Only..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	30.43 3.50 14.35 6.30	1.34
08 44 13 00-0023 Curtain Wall, Aluminum System Framing Sections (08 44 13 00-0001) Note: The prices are based on stock shapes of anodized aluminum, plain color and of 0.125" thickness.		
08 44 13 00-0024 LF Aluminum System Curtain Wall, 1-1/2" x 3" Jamb Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	17.69 1.86 7.69 3.34	1.34
08 44 13 00-0025 LF Aluminum System Curtain Wall, 1-1/2" x 3" Head Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	17.59 1.86 7.68 3.34	1.34
08 44 13 00-0026 LF Aluminum System Curtain Wall, 1-1/2" x 3" Mullion Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Corner Mullion, Add</i>	17.60 1.86 7.69 3.34 3.88	1.34
08 44 13 00-0027 LF Aluminum System Curtain Wall, 2" x 4" Jamb Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	22.85 2.22 9.28 3.99	2.68
08 44 13 00-0028 LF Aluminum System Curtain Wall, 2" x 4" Horizontal Aluminum Framed Window Walls <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	22.85 2.22 9.28 3.99	2.68
08 44 13 00-0029 LF Aluminum System Curtain Wall, 2" x 4" Mullion Aluminum Framed Window Walls <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Corner Mullion, Add</i>	22.85 2.22 9.28 3.99 4.91	2.68
08 44 13 00-0030 LF Aluminum System Curtain Wall, 2" x 6" Jamb Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	25.15 2.43 10.17 4.38	2.95
08 44 13 00-0031 LF Aluminum System Curtain Wall, 2" x 6" Horizontal Aluminum Framed Window Walls <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	25.15 2.43 10.17 4.38	2.95
08 44 13 00-0032 LF Aluminum System Curtain Wall, 2" x 6" Mullion Aluminum Framed Window Walls <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Corner Mullion, Add</i>	25.15 2.43 10.17 4.38 5.39	2.95
08 44 13 00-0033 LF Aluminum System Curtain Wall, 3" x 5-1/2" Jamb Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	27.57 2.64 11.08 4.76	3.36
08 44 13 00-0034 LF Aluminum System Curtain Wall, 3" x 5-1/2" Horizontal Aluminum Framed Window Walls <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	27.57 2.64 11.08 4.76	3.36
08 44 13 00-0035 LF Aluminum System Curtain Wall, 3" x 5-1/2" Mullion Aluminum Framed Window Walls <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Corner Mullion, Add</i>	27.57 2.64 11.08 4.76 5.90	3.36
08 44 13 00-0036 LF Aluminum System Curtain Wall, 3" x 6-3/4" Jamb Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	30.74 2.98 12.48 5.37	3.62
08 44 13 00-0037 LF Aluminum System Curtain Wall, 3" x 6-3/4" Horizontal Aluminum Framed Window Walls <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	30.74 2.98 12.48 5.37	3.62

08 Openings**08 40 Entrances, Storefronts, And Curtain Walls****08 44 Curtain Wall And Glazed Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0038 LF Aluminum System Curtain Wall, 3" x 6-3/4" Mullion Aluminum Framed Window Walls.....	30.74	3.62
For Bronze Anodized Aluminum, Add	2.98	
For Stainless Steel, Add	12.48	
For Black Anodized Finish, Add	5.37	
For Corner Mullion, Add	6.60	
08 44 13 00-0039 LF Aluminum System Curtain Wall, 3" x 8-3/4" Jamb Aluminum Framed Window Walls.....	35.28	4.02
For Bronze Anodized Aluminum, Add	3.42	
For Stainless Steel, Add	14.32	
For Black Anodized Finish, Add	6.16	
08 44 13 00-0040 LF Aluminum System Curtain Wall, 3" x 8-3/4" Horizontal Aluminum Framed Window Walls.....	35.28	4.02
For Bronze Anodized Aluminum, Add	3.42	
For Stainless Steel, Add	14.32	
For Black Anodized Finish, Add	6.16	
08 44 13 00-0041 LF Aluminum System Curtain Wall, 3" x 8-3/4" Mullion Aluminum Framed Window Walls.....	35.28	4.02
For Bronze Anodized Aluminum, Add	3.42	
For Stainless Steel, Add	14.32	
For Black Anodized Finish, Add	6.16	
For Corner Mullion, Add	7.58	

08 45 Translucent Wall And Roof Assemblies (08 40)**08 45 23 Fiberglass-Sandwich-Panel Assemblies** (08 45)**08 45 23 00-0001 Translucent Fiberglass Panels 2-3/4" Thick** (08 45 23)

08 45 23 00-0002 SF <5,000 SF Translucent Fiberglass Panel 2-3/4" Thick, Metal Framed.....	37.32	3.37
For Aluminum Frame, Add	3.23	
08 45 23 00-0003 SF >5,000 SF Translucent Fiberglass Panel 2-3/4" Thick, Metal Framed.....	34.03	2.87
For Aluminum Frame, Add	2.97	

08 50 Windows (08)

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

08 51 Metal Windows (08 50)**08 51 13 Aluminum Windows** (08 51)

Note: All units are of standard brushed finish. See CSI section 08 80 00 00-0000 for glazing.

08 51 13 00-0001 Aluminum Windows (08 51 13)

Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.

08 51 13 00-0002 Single Hung Aluminum Windows (08 51 13 00-0001)**08 51 13 00-0003 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)** (08 51 13 00-0002)

08 51 13 00-0004 EA Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	288.40	56.11
For Installation In Concrete Or Masonry, Add	23.58	
For 50% Fluoropolymer Finish (Acrynar), Add	3.90	
For 70% Fluoropolymer Finish (Duramar), Add	11.69	
For Clear Anodized Finish, Add	9.74	
For Color Anodized Finish, Add	13.64	
08 51 13 00-0005 EA >6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	324.32	59.62
For Installation In Concrete Or Masonry, Add	25.50	
For 50% Fluoropolymer Finish (Acrynar), Add	4.50	
For 70% Fluoropolymer Finish (Duramar), Add	13.50	
For Clear Anodized Finish, Add	11.25	
For Color Anodized Finish, Add	15.75	
08 51 13 00-0006 EA >10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	355.03	63.12
For Installation In Concrete Or Masonry, Add	27.29	
For 50% Fluoropolymer Finish (Acrynar), Add	5.00	
For 70% Fluoropolymer Finish (Duramar), Add	14.99	
For Clear Anodized Finish, Add	12.49	
For Color Anodized Finish, Add	17.49	
08 51 13 00-0007 EA >15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	380.49	66.64
For Installation In Concrete Or Masonry, Add	28.95	
For 50% Fluoropolymer Finish (Acrynar), Add	5.39	
For 70% Fluoropolymer Finish (Duramar), Add	16.17	
For Clear Anodized Finish, Add	13.47	
For Color Anodized Finish, Add	18.86	
08 51 13 00-0008 EA >20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	437.34	70.14
For Installation In Concrete Or Masonry, Add	31.39	
For 50% Fluoropolymer Finish (Acrynar), Add	6.41	
For 70% Fluoropolymer Finish (Duramar), Add	19.23	
For Clear Anodized Finish, Add	16.02	
For Color Anodized Finish, Add	22.43	
08 51 13 00-0009 SF >30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	14.20	2.11
For Installation In Concrete Or Masonry, Add	0.97	
For 50% Fluoropolymer Finish (Acrynar), Add	0.21	
For 70% Fluoropolymer Finish (Duramar), Add	0.64	
For Clear Anodized Finish, Add	0.53	
For Color Anodized Finish, Add	0.75	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0010 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) <small>(08 51 13 00-0002)</small>		
08 51 13 00-0011 EA Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	427.03	56.11
For Installation In Concrete Or Masonry, Add	27.04	
For 50% Fluoropolymer Finish (Acrynar), Add	6.67	
For 70% Fluoropolymer Finish (Duramar), Add	20.01	
For Clear Anodized Finish, Add	16.68	
For Color Anodized Finish, Add	23.35	
08 51 13 00-0012 EA >6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	474.73	59.62
For Installation In Concrete Or Masonry, Add	29.26	
For 50% Fluoropolymer Finish (Acrynar), Add	7.51	
For 70% Fluoropolymer Finish (Duramar), Add	22.52	
For Clear Anodized Finish, Add	18.77	
For Color Anodized Finish, Add	26.28	
08 51 13 00-0013 EA >10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	514.59	63.12
For Installation In Concrete Or Masonry, Add	31.28	
For 50% Fluoropolymer Finish (Acrynar), Add	8.19	
For 70% Fluoropolymer Finish (Duramar), Add	24.56	
For Clear Anodized Finish, Add	20.47	
For Color Anodized Finish, Add	28.66	
08 51 13 00-0014 EA >15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	553.13	66.64
For Installation In Concrete Or Masonry, Add	33.26	
For 50% Fluoropolymer Finish (Acrynar), Add	8.84	
For 70% Fluoropolymer Finish (Duramar), Add	26.52	
For Clear Anodized Finish, Add	22.10	
For Color Anodized Finish, Add	30.94	
08 51 13 00-0015 EA >20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	657.06	70.14
For Installation In Concrete Or Masonry, Add	36.88	
For 50% Fluoropolymer Finish (Acrynar), Add	10.80	
For 70% Fluoropolymer Finish (Duramar), Add	32.41	
For Clear Anodized Finish, Add	27.01	
For Color Anodized Finish, Add	37.81	
08 51 13 00-0016 SF >30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	21.52	2.11
For Installation In Concrete Or Masonry, Add	1.15	
For 50% Fluoropolymer Finish (Acrynar), Add	0.36	
For 70% Fluoropolymer Finish (Duramar), Add	1.08	
For Clear Anodized Finish, Add	0.90	
For Color Anodized Finish, Add	1.26	
08 51 13 00-0017 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) <small>(08 51 13 00-0002)</small>		
08 51 13 00-0018 EA Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	450.58	56.11
For Installation In Concrete Or Masonry, Add	27.63	
For 50% Fluoropolymer Finish (Acrynar), Add	7.14	
For 70% Fluoropolymer Finish (Duramar), Add	21.42	
For Clear Anodized Finish, Add	17.85	
For Color Anodized Finish, Add	24.99	
08 51 13 00-0019 EA >6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	507.42	59.62
For Installation In Concrete Or Masonry, Add	30.07	
For 50% Fluoropolymer Finish (Acrynar), Add	8.16	
For 70% Fluoropolymer Finish (Duramar), Add	24.48	
For Clear Anodized Finish, Add	20.40	
For Color Anodized Finish, Add	28.56	
08 51 13 00-0020 EA >10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	553.83	63.12
For Installation In Concrete Or Masonry, Add	32.26	
For 50% Fluoropolymer Finish (Acrynar), Add	8.97	
For 70% Fluoropolymer Finish (Duramar), Add	26.92	
For Clear Anodized Finish, Add	22.43	
For Color Anodized Finish, Add	31.40	
08 51 13 00-0021 EA >15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	598.91	66.64
For Installation In Concrete Or Masonry, Add	34.41	
For 50% Fluoropolymer Finish (Acrynar), Add	9.76	
For 70% Fluoropolymer Finish (Duramar), Add	29.27	
For Clear Anodized Finish, Add	24.39	
For Color Anodized Finish, Add	34.15	
08 51 13 00-0022 EA >20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	713.30	70.14
For Installation In Concrete Or Masonry, Add	38.29	
For 50% Fluoropolymer Finish (Acrynar), Add	11.93	
For 70% Fluoropolymer Finish (Duramar), Add	35.78	
For Clear Anodized Finish, Add	29.82	
For Color Anodized Finish, Add	41.75	
08 51 13 00-0023 SF >30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	23.39	2.11
For Installation In Concrete Or Masonry, Add	1.20	
For 50% Fluoropolymer Finish (Acrynar), Add	0.40	
For 70% Fluoropolymer Finish (Duramar), Add	1.19	
For Clear Anodized Finish, Add	0.99	
For Color Anodized Finish, Add	1.39	
08 51 13 00-0024 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) <small>(08 51 13 00-0002)</small>		

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0025	EA		Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	495.05	56.11
			<i>For Installation In Concrete Or Masonry, Add</i>	28.74	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.03	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	24.09	
			<i>For Clear Anodized Finish, Add</i>	20.08	
			<i>For Color Anodized Finish, Add</i>	28.11	
08 51 13 00-0026	EA		>6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	568.90	59.62
			<i>For Installation In Concrete Or Masonry, Add</i>	31.61	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.39	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	28.17	
			<i>For Clear Anodized Finish, Add</i>	23.48	
			<i>For Color Anodized Finish, Add</i>	32.87	
08 51 13 00-0027	EA		>10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	616.61	63.12
			<i>For Installation In Concrete Or Masonry, Add</i>	33.83	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.23	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	30.68	
			<i>For Clear Anodized Finish, Add</i>	25.57	
			<i>For Color Anodized Finish, Add</i>	35.80	
08 51 13 00-0028	EA		>15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	661.69	66.64
			<i>For Installation In Concrete Or Masonry, Add</i>	35.98	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.01	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	33.04	
			<i>For Clear Anodized Finish, Add</i>	27.53	
			<i>For Color Anodized Finish, Add</i>	38.54	
08 51 13 00-0029	EA		>20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	766.93	70.14
			<i>For Installation In Concrete Or Masonry, Add</i>	39.63	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	13.00	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	39.00	
			<i>For Clear Anodized Finish, Add</i>	32.50	
			<i>For Color Anodized Finish, Add</i>	45.50	
08 51 13 00-0030	SF		>30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	25.18	2.11
			<i>For Installation In Concrete Or Masonry, Add</i>	1.24	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.43	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	1.30	
			<i>For Clear Anodized Finish, Add</i>	1.08	
			<i>For Color Anodized Finish, Add</i>	1.52	
08 51 13 00-0031			Double Hung Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0032			3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) (08 51 13 00-0031)		
08 51 13 00-0033	EA		Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	323.71	56.11
			<i>For Installation In Concrete Or Masonry, Add</i>	24.46	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.60	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	13.81	
			<i>For Clear Anodized Finish, Add</i>	11.51	
			<i>For Color Anodized Finish, Add</i>	16.11	
08 51 13 00-0034	EA		>6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	358.32	59.62
			<i>For Installation In Concrete Or Masonry, Add</i>	26.35	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.18	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	15.54	
			<i>For Clear Anodized Finish, Add</i>	12.95	
			<i>For Color Anodized Finish, Add</i>	18.13	
08 51 13 00-0035	EA		>10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	387.73	63.12
			<i>For Installation In Concrete Or Masonry, Add</i>	28.11	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.65	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	16.95	
			<i>For Clear Anodized Finish, Add</i>	14.13	
			<i>For Color Anodized Finish, Add</i>	19.78	
08 51 13 00-0036	EA		>15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	418.42	66.64
			<i>For Installation In Concrete Or Masonry, Add</i>	29.90	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.15	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	18.44	
			<i>For Clear Anodized Finish, Add</i>	15.37	
			<i>For Color Anodized Finish, Add</i>	21.52	
08 51 13 00-0037	EA		>20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	488.34	70.14
			<i>For Installation In Concrete Or Masonry, Add</i>	32.67	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.43	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	22.29	
			<i>For Clear Anodized Finish, Add</i>	18.57	
			<i>For Color Anodized Finish, Add</i>	26.00	
08 51 13 00-0038	SF		>30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	15.90	2.11
			<i>For Installation In Concrete Or Masonry, Add</i>	1.01	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.25	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	0.74	
			<i>For Clear Anodized Finish, Add</i>	0.62	
			<i>For Color Anodized Finish, Add</i>	0.87	
08 51 13 00-0039			4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) (08 51 13 00-0031)		



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0040 EA Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	398.26	56.11
For Installation In Concrete Or Masonry, Add	26.32	
For 50% Fluoropolymer Finish (Acrynar), Add	6.09	
For 70% Fluoropolymer Finish (Duramar), Add	18.28	
For Clear Anodized Finish, Add	15.24	
For Color Anodized Finish, Add	21.33	
08 51 13 00-0041 EA >6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	461.65	59.62
For Installation In Concrete Or Masonry, Add	28.93	
For 50% Fluoropolymer Finish (Acrynar), Add	7.25	
For 70% Fluoropolymer Finish (Duramar), Add	21.74	
For Clear Anodized Finish, Add	18.11	
For Color Anodized Finish, Add	25.36	
08 51 13 00-0042 EA >10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	513.28	63.12
For Installation In Concrete Or Masonry, Add	31.25	
For 50% Fluoropolymer Finish (Acrynar), Add	8.16	
For 70% Fluoropolymer Finish (Duramar), Add	24.48	
For Clear Anodized Finish, Add	20.40	
For Color Anodized Finish, Add	28.56	
08 51 13 00-0043 EA >15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	571.44	66.64
For Installation In Concrete Or Masonry, Add	33.72	
For 50% Fluoropolymer Finish (Acrynar), Add	9.21	
For 70% Fluoropolymer Finish (Duramar), Add	27.62	
For Clear Anodized Finish, Add	23.02	
For Color Anodized Finish, Add	32.23	
08 51 13 00-0044 EA >20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	677.99	70.14
For Installation In Concrete Or Masonry, Add	37.41	
For 50% Fluoropolymer Finish (Acrynar), Add	11.22	
For 70% Fluoropolymer Finish (Duramar), Add	33.67	
For Clear Anodized Finish, Add	28.05	
For Color Anodized Finish, Add	39.28	
08 51 13 00-0045 SF >30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	22.21	2.11
For Installation In Concrete Or Masonry, Add	1.17	
For 50% Fluoropolymer Finish (Acrynar), Add	0.37	
For 70% Fluoropolymer Finish (Duramar), Add	1.12	
For Clear Anodized Finish, Add	0.94	
For Color Anodized Finish, Add	1.31	
08 51 13 00-0046 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) (08 51 13 00-0031)		
08 51 13 00-0047 EA Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	501.58	56.11
For Installation In Concrete Or Masonry, Add	28.91	
For 50% Fluoropolymer Finish (Acrynar), Add	8.16	
For 70% Fluoropolymer Finish (Duramar), Add	24.48	
For Clear Anodized Finish, Add	20.40	
For Color Anodized Finish, Add	28.56	
08 51 13 00-0048 EA >6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	575.44	59.62
For Installation In Concrete Or Masonry, Add	31.77	
For 50% Fluoropolymer Finish (Acrynar), Add	9.52	
For 70% Fluoropolymer Finish (Duramar), Add	28.56	
For Clear Anodized Finish, Add	23.80	
For Color Anodized Finish, Add	33.33	
08 51 13 00-0049 EA >10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	637.54	63.12
For Installation In Concrete Or Masonry, Add	34.35	
For 50% Fluoropolymer Finish (Acrynar), Add	10.65	
For 70% Fluoropolymer Finish (Duramar), Add	31.94	
For Clear Anodized Finish, Add	26.62	
For Color Anodized Finish, Add	37.26	
08 51 13 00-0050 EA >15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	698.31	66.64
For Installation In Concrete Or Masonry, Add	36.89	
For 50% Fluoropolymer Finish (Acrynar), Add	11.75	
For 70% Fluoropolymer Finish (Duramar), Add	35.24	
For Clear Anodized Finish, Add	29.36	
For Color Anodized Finish, Add	41.11	
08 51 13 00-0051 EA >20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	844.09	70.14
For Installation In Concrete Or Masonry, Add	41.56	
For 50% Fluoropolymer Finish (Acrynar), Add	14.54	
For 70% Fluoropolymer Finish (Duramar), Add	43.63	
For Clear Anodized Finish, Add	36.36	
For Color Anodized Finish, Add	50.90	
08 51 13 00-0052 SF >30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	27.75	2.11
For Installation In Concrete Or Masonry, Add	1.31	
For 50% Fluoropolymer Finish (Acrynar), Add	0.48	
For 70% Fluoropolymer Finish (Duramar), Add	1.45	
For Clear Anodized Finish, Add	1.21	
For Color Anodized Finish, Add	1.70	
08 51 13 00-0053 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) (08 51 13 00-0031)		

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0054	EA		Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	783.39	59.62
			<i>For Installation In Concrete Or Masonry, Add</i>	36.97	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	13.68	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	41.04	
			<i>For Clear Anodized Finish, Add</i>	34.20	
			<i>For Color Anodized Finish, Add</i>	47.88	
08 51 13 00-0055	EA		>10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	858.57	63.12
			<i>For Installation In Concrete Or Masonry, Add</i>	39.88	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	15.07	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	45.20	
			<i>For Clear Anodized Finish, Add</i>	37.67	
			<i>For Color Anodized Finish, Add</i>	52.73	
08 51 13 00-0056	EA		>15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	946.81	66.64
			<i>For Installation In Concrete Or Masonry, Add</i>	43.11	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	16.72	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	50.15	
			<i>For Clear Anodized Finish, Add</i>	41.79	
			<i>For Color Anodized Finish, Add</i>	58.50	
08 51 13 00-0057	EA		>20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	1,095.21	70.14
			<i>For Installation In Concrete Or Masonry, Add</i>	47.84	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	19.57	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	58.70	
			<i>For Clear Anodized Finish, Add</i>	48.92	
			<i>For Color Anodized Finish, Add</i>	68.48	
08 51 13 00-0058	SF		>30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	36.08	2.11
			<i>For Installation In Concrete Or Masonry, Add</i>	1.52	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.65	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	1.95	
			<i>For Clear Anodized Finish, Add</i>	1.63	
			<i>For Color Anodized Finish, Add</i>	2.28	
08 51 13 00-0059			5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) <small>(08 51 13 00-0031)</small>		
08 51 13 00-0060	EA		Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	1,078.98	59.62
			<i>For Installation In Concrete Or Masonry, Add</i>	44.36	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	19.59	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	58.78	
			<i>For Clear Anodized Finish, Add</i>	48.98	
			<i>For Color Anodized Finish, Add</i>	68.57	
08 51 13 00-0061	EA		>10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	1,163.31	63.12
			<i>For Installation In Concrete Or Masonry, Add</i>	47.50	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	21.16	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	63.49	
			<i>For Clear Anodized Finish, Add</i>	52.90	
			<i>For Color Anodized Finish, Add</i>	74.07	
08 51 13 00-0062	EA		>15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	1,259.40	66.64
			<i>For Installation In Concrete Or Masonry, Add</i>	50.92	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	22.97	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	68.90	
			<i>For Clear Anodized Finish, Add</i>	57.42	
			<i>For Color Anodized Finish, Add</i>	80.38	
08 51 13 00-0063	EA		>20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	1,426.11	70.14
			<i>For Installation In Concrete Or Masonry, Add</i>	56.11	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	26.18	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	78.55	
			<i>For Clear Anodized Finish, Add</i>	65.46	
			<i>For Color Anodized Finish, Add</i>	91.64	
08 51 13 00-0064	SF		>30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	47.19	2.11
			<i>For Installation In Concrete Or Masonry, Add</i>	1.79	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.87	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	2.62	
			<i>For Clear Anodized Finish, Add</i>	2.18	
			<i>For Color Anodized Finish, Add</i>	3.06	
08 51 13 00-0065			Horizontal Sliding Aluminum Windows <small>(08 51 13 00-0001)</small>		
08 51 13 00-0066			One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows <small>(08 51 13 00-0065)</small>		
08 51 13 00-0067			2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) <small>(08 51 13 00-0066)</small>		
08 51 13 00-0068	EA		Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	294.94	56.11
			<i>For Installation In Concrete Or Masonry, Add</i>	23.74	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.03	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	12.09	
			<i>For Clear Anodized Finish, Add</i>	10.07	
			<i>For Color Anodized Finish, Add</i>	14.10	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51	13 00-0069	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	332.17 25.69 4.66 13.97 11.64 16.30	59.62
08 51	13 00-0070	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	360.26 27.42 5.10 15.30 12.75 17.85	63.12
08 51	13 00-0071	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	389.64 29.18 5.57 16.71 13.93 19.50	66.64
08 51	13 00-0072	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	449.11 31.69 6.64 19.93 16.61 23.25	70.14
08 51	13 00-0073	SF	>30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	14.59 0.98 0.22 0.66 0.55 0.78	2.11
08 51	13 00-0074		3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) <small>(08 51 13 00-0066)</small>		
08 51	13 00-0075	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	461.04 27.89 7.35 22.05 18.38 25.73	56.11
08 51	13 00-0076	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	519.20 30.37 8.40 25.19 20.99 29.39	59.62
08 51	13 00-0077	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	565.60 32.55 9.21 27.62 23.02 32.23	63.12
08 51	13 00-0078	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	610.68 34.70 9.99 29.98 24.98 34.97	66.64
08 51	13 00-0079	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	708.07 38.16 11.82 35.47 29.56 41.38	70.14
08 51	13 00-0080	SF	>30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	23.22 1.19 0.39 1.18 0.99 1.38	2.11
08 51	13 00-0081		Two Rolling Sashes, Horizontal Sliding Aluminum Windows <small>(08 51 13 00-0065)</small>		

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 51 13 00-0082		3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) <small>(08 51 13 00-0081)</small>			
08 51 13 00-0083	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	328.94		56.11
		<i>For Installation In Concrete Or Masonry, Add</i>	24.59		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.71		
		<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	14.13		
		<i>For Clear Anodized Finish, Add</i>	11.77		
		<i>For Color Anodized Finish, Add</i>	16.48		
08 51 13 00-0084	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	376.63		59.62
		<i>For Installation In Concrete Or Masonry, Add</i>	26.80		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.55		
		<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	16.64		
		<i>For Clear Anodized Finish, Add</i>	13.86		
		<i>For Color Anodized Finish, Add</i>	19.41		
08 51 13 00-0085	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	408.65		63.12
		<i>For Installation In Concrete Or Masonry, Add</i>	28.63		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.07		
		<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	18.21		
		<i>For Clear Anodized Finish, Add</i>	15.17		
		<i>For Color Anodized Finish, Add</i>	21.24		
08 51 13 00-0086	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	435.42		66.64
		<i>For Installation In Concrete Or Masonry, Add</i>	30.32		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.49		
		<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	19.46		
		<i>For Clear Anodized Finish, Add</i>	16.22		
		<i>For Color Anodized Finish, Add</i>	22.71		
08 51 13 00-0087	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	502.73		70.14
		<i>For Installation In Concrete Or Masonry, Add</i>	33.03		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.72		
		<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	23.15		
		<i>For Clear Anodized Finish, Add</i>	19.29		
		<i>For Color Anodized Finish, Add</i>	27.01		
08 51 13 00-0088	SF	>30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	16.37		2.11
		<i>For Installation In Concrete Or Masonry, Add</i>	1.02		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.26		
		<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	0.77		
		<i>For Clear Anodized Finish, Add</i>	0.64		
		<i>For Color Anodized Finish, Add</i>	0.90		
08 51 13 00-0089		Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows <small>(08 51 13 00-0065)</small>			
08 51 13 00-0090		4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) <small>(08 51 13 00-0089)</small>			
08 51 13 00-0091	EA	Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	824.64		56.11
		<i>For Installation In Concrete Or Masonry, Add</i>	36.98		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	14.62		
		<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	43.87		
		<i>For Clear Anodized Finish, Add</i>	36.56		
		<i>For Color Anodized Finish, Add</i>	51.18		
08 51 13 00-0092	EA	>12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	949.11		64.88
		<i>For Installation In Concrete Or Masonry, Add</i>	42.65		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	16.82		
		<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	50.46		
		<i>For Clear Anodized Finish, Add</i>	42.05		
		<i>For Color Anodized Finish, Add</i>	58.87		
08 51 13 00-0093	EA	>18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,025.59		68.39
		<i>For Installation In Concrete Or Masonry, Add</i>	45.59		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	18.23		
		<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	54.70		
		<i>For Clear Anodized Finish, Add</i>	45.58		
		<i>For Color Anodized Finish, Add</i>	63.81		
08 51 13 00-0094	EA	>24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,239.00		77.15
		<i>For Installation In Concrete Or Masonry, Add</i>	53.48		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	22.21		
		<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	66.62		
		<i>For Clear Anodized Finish, Add</i>	55.52		
		<i>For Color Anodized Finish, Add</i>	77.73		
08 51 13 00-0095	EA	>40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,430.49		87.68
		<i>For Installation In Concrete Or Masonry, Add</i>	61.34		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	25.69		
		<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	77.06		
		<i>For Clear Anodized Finish, Add</i>	64.22		
		<i>For Color Anodized Finish, Add</i>	89.91		



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0096 SF >60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	24.91	2.11
For Installation In Concrete Or Masonry, Add	1.24	
For 50% Fluoropolymer Finish (Acrynar), Add	0.43	
For 70% Fluoropolymer Finish (Duranar), Add	1.28	
For Clear Anodized Finish, Add	1.07	
For Color Anodized Finish, Add	1.50	
08 51 13 00-0097 Fixed Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0098 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) (08 51 13 00-0097)		
08 51 13 00-0099 EA Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	233.47	56.11
For Installation In Concrete Or Masonry, Add	22.20	
For 50% Fluoropolymer Finish (Acrynar), Add	2.80	
For 70% Fluoropolymer Finish (Duranar), Add	8.40	
For Clear Anodized Finish, Add	7.00	
For Color Anodized Finish, Add	9.80	
08 51 13 00-0100 EA >6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	265.46	59.62
For Installation In Concrete Or Masonry, Add	24.02	
For 50% Fluoropolymer Finish (Acrynar), Add	3.32	
For 70% Fluoropolymer Finish (Duranar), Add	9.97	
For Clear Anodized Finish, Add	8.31	
For Color Anodized Finish, Add	11.63	
08 51 13 00-0101 EA >10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	280.48	63.12
For Installation In Concrete Or Masonry, Add	25.43	
For 50% Fluoropolymer Finish (Acrynar), Add	3.51	
For 70% Fluoropolymer Finish (Duranar), Add	10.52	
For Clear Anodized Finish, Add	8.76	
For Color Anodized Finish, Add	12.27	
08 51 13 00-0102 EA >15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	295.47	66.64
For Installation In Concrete Or Masonry, Add	26.82	
For 50% Fluoropolymer Finish (Acrynar), Add	3.69	
For 70% Fluoropolymer Finish (Duranar), Add	11.06	
For Clear Anodized Finish, Add	9.22	
For Color Anodized Finish, Add	12.91	
08 51 13 00-0103 EA >20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	386.33	70.14
For Installation In Concrete Or Masonry, Add	30.12	
For 50% Fluoropolymer Finish (Acrynar), Add	5.39	
For 70% Fluoropolymer Finish (Duranar), Add	16.17	
For Clear Anodized Finish, Add	13.47	
For Color Anodized Finish, Add	18.86	
08 51 13 00-0104 SF >30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	12.50	2.11
For Installation In Concrete Or Masonry, Add	0.93	
For 50% Fluoropolymer Finish (Acrynar), Add	0.18	
For 70% Fluoropolymer Finish (Duranar), Add	0.54	
For Clear Anodized Finish, Add	0.45	
For Color Anodized Finish, Add	0.63	
08 51 13 00-0105 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) (08 51 13 00-0097)		
08 51 13 00-0106 EA Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	291.01	56.11
For Installation In Concrete Or Masonry, Add	23.64	
For 50% Fluoropolymer Finish (Acrynar), Add	3.95	
For 70% Fluoropolymer Finish (Duranar), Add	11.85	
For Clear Anodized Finish, Add	9.87	
For Color Anodized Finish, Add	13.82	
08 51 13 00-0107 EA >6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	332.17	59.62
For Installation In Concrete Or Masonry, Add	25.69	
For 50% Fluoropolymer Finish (Acrynar), Add	4.66	
For 70% Fluoropolymer Finish (Duranar), Add	13.97	
For Clear Anodized Finish, Add	11.64	
For Color Anodized Finish, Add	16.30	
08 51 13 00-0108 EA >10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	357.64	63.12
For Installation In Concrete Or Masonry, Add	27.35	
For 50% Fluoropolymer Finish (Acrynar), Add	5.05	
For 70% Fluoropolymer Finish (Duranar), Add	15.15	
For Clear Anodized Finish, Add	12.62	
For Color Anodized Finish, Add	17.67	
08 51 13 00-0109 EA >15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	384.41	66.64
For Installation In Concrete Or Masonry, Add	29.05	
For 50% Fluoropolymer Finish (Acrynar), Add	5.47	
For 70% Fluoropolymer Finish (Duranar), Add	16.40	
For Clear Anodized Finish, Add	13.67	
For Color Anodized Finish, Add	19.13	
08 51 13 00-0110 EA >20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	502.73	70.14
For Installation In Concrete Or Masonry, Add	33.03	
For 50% Fluoropolymer Finish (Acrynar), Add	7.72	
For 70% Fluoropolymer Finish (Duranar), Add	23.15	
For Clear Anodized Finish, Add	19.29	
For Color Anodized Finish, Add	27.01	

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0111	SF		>30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	16.37	2.11
			<i>For Installation In Concrete Or Masonry, Add</i>	1.02	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.26	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	0.77	
			<i>For Clear Anodized Finish, Add</i>	0.64	
			<i>For Color Anodized Finish, Add</i>	0.90	
08 51 13 00-0112			3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900) (08 51 13 00-0097)		
08 51 13 00-0113	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900).....	251.78	56.11
			<i>For Installation In Concrete Or Masonry, Add</i>	22.66	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.17	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	9.50	
			<i>For Clear Anodized Finish, Add</i>	7.91	
			<i>For Color Anodized Finish, Add</i>	11.08	
08 51 13 00-0114	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900).....	292.93	59.62
			<i>For Installation In Concrete Or Masonry, Add</i>	24.71	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.87	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	11.61	
			<i>For Clear Anodized Finish, Add</i>	9.68	
			<i>For Color Anodized Finish, Add</i>	13.55	
08 51 13 00-0115	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900).....	315.79	63.12
			<i>For Installation In Concrete Or Masonry, Add</i>	26.31	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.21	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	12.63	
			<i>For Clear Anodized Finish, Add</i>	10.53	
			<i>For Color Anodized Finish, Add</i>	14.74	
08 51 13 00-0116	EA		>15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900).....	339.94	66.64
			<i>For Installation In Concrete Or Masonry, Add</i>	27.93	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.58	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	13.73	
			<i>For Clear Anodized Finish, Add</i>	11.44	
			<i>For Color Anodized Finish, Add</i>	16.02	
08 51 13 00-0117	EA		>20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900).....	451.72	70.14
			<i>For Installation In Concrete Or Masonry, Add</i>	31.75	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.70	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	20.09	
			<i>For Clear Anodized Finish, Add</i>	16.74	
			<i>For Color Anodized Finish, Add</i>	23.44	
08 51 13 00-0118	SF		>30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900).....	14.67	2.11
			<i>For Installation In Concrete Or Masonry, Add</i>	0.98	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.22	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	0.67	
			<i>For Clear Anodized Finish, Add</i>	0.56	
			<i>For Color Anodized Finish, Add</i>	0.78	
08 51 13 00-0119			4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) (08 51 13 00-0097)		
08 51 13 00-0120	EA		Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	250.47	56.11
			<i>For Installation In Concrete Or Masonry, Add</i>	22.63	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.14	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	9.42	
			<i>For Clear Anodized Finish, Add</i>	7.85	
			<i>For Color Anodized Finish, Add</i>	10.99	
08 51 13 00-0121	EA		>6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	287.70	59.62
			<i>For Installation In Concrete Or Masonry, Add</i>	24.58	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.77	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	11.30	
			<i>For Clear Anodized Finish, Add</i>	9.42	
			<i>For Color Anodized Finish, Add</i>	13.18	
08 51 13 00-0122	EA		>10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	310.56	63.12
			<i>For Installation In Concrete Or Masonry, Add</i>	26.18	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.11	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	12.32	
			<i>For Clear Anodized Finish, Add</i>	10.27	
			<i>For Color Anodized Finish, Add</i>	14.37	
08 51 13 00-0123	EA		>15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	334.71	66.64
			<i>For Installation In Concrete Or Masonry, Add</i>	27.80	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.47	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	13.42	
			<i>For Clear Anodized Finish, Add</i>	11.18	
			<i>For Color Anodized Finish, Add</i>	15.66	
08 51 13 00-0124	EA		>20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	446.49	70.14
			<i>For Installation In Concrete Or Masonry, Add</i>	31.62	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.59	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	19.78	
			<i>For Clear Anodized Finish, Add</i>	16.48	
			<i>For Color Anodized Finish, Add</i>	23.07	
08 51 13 00-0125	SF		>30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	14.50	2.11
			<i>For Installation In Concrete Or Masonry, Add</i>	0.98	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.22	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	0.66	
			<i>For Clear Anodized Finish, Add</i>	0.55	
			<i>For Color Anodized Finish, Add</i>	0.77	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0126 Projected Aluminum Windows <small>(08 51 13 00-0001)</small>		
08 51 13 00-0127 Single Vent, Projected Aluminum Windows <small>(08 51 13 00-0126)</small>		
08 51 13 00-0128 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) <small>(08 51 13 00-0127)</small>		
08 51 13 00-0129 EA Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	331.82	56.11
For Installation In Concrete Or Masonry, Add	24.66	
For 50% Fluoropolymer Finish (Acrynar), Add	4.77	
For 70% Fluoropolymer Finish (Duranar), Add	14.30	
For Clear Anodized Finish, Add	11.92	
For Color Anodized Finish, Add	16.68	
08 51 13 00-0130 EA >6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	359.50	59.62
For Installation In Concrete Or Masonry, Add	26.38	
For 50% Fluoropolymer Finish (Acrynar), Add	5.20	
For 70% Fluoropolymer Finish (Duranar), Add	15.61	
For Clear Anodized Finish, Add	13.01	
For Color Anodized Finish, Add	18.21	
08 51 13 00-0131 EA >10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	391.65	63.12
For Installation In Concrete Or Masonry, Add	28.20	
For 50% Fluoropolymer Finish (Acrynar), Add	5.73	
For 70% Fluoropolymer Finish (Duranar), Add	17.19	
For Clear Anodized Finish, Add	14.32	
For Color Anodized Finish, Add	20.05	
08 51 13 00-0132 SF >15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	22.61	2.11
For Installation In Concrete Or Masonry, Add	1.18	
For 50% Fluoropolymer Finish (Acrynar), Add	0.38	
For 70% Fluoropolymer Finish (Duranar), Add	1.15	
For Clear Anodized Finish, Add	0.96	
For Color Anodized Finish, Add	1.34	
08 51 13 00-0133 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) <small>(08 51 13 00-0127)</small>		
08 51 13 00-0134 EA Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	447.65	56.11
For Installation In Concrete Or Masonry, Add	27.55	
For 50% Fluoropolymer Finish (Acrynar), Add	7.08	
For 70% Fluoropolymer Finish (Duranar), Add	21.24	
For Clear Anodized Finish, Add	17.70	
For Color Anodized Finish, Add	24.78	
08 51 13 00-0135 EA >6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	494.23	59.62
For Installation In Concrete Or Masonry, Add	29.74	
For 50% Fluoropolymer Finish (Acrynar), Add	7.90	
For 70% Fluoropolymer Finish (Duranar), Add	23.69	
For Clear Anodized Finish, Add	19.74	
For Color Anodized Finish, Add	27.64	
08 51 13 00-0136 EA >10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	548.60	63.12
For Installation In Concrete Or Masonry, Add	32.13	
For 50% Fluoropolymer Finish (Acrynar), Add	8.87	
For 70% Fluoropolymer Finish (Duranar), Add	26.60	
For Clear Anodized Finish, Add	22.17	
For Color Anodized Finish, Add	31.04	
08 51 13 00-0137 SF >15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	33.07	2.11
For Installation In Concrete Or Masonry, Add	1.44	
For 50% Fluoropolymer Finish (Acrynar), Add	0.59	
For 70% Fluoropolymer Finish (Duranar), Add	1.77	
For Clear Anodized Finish, Add	1.48	
For Color Anodized Finish, Add	2.07	
08 51 13 00-0138 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) <small>(08 51 13 00-0127)</small>		
08 51 13 00-0139 EA Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	490.82	56.11
For Installation In Concrete Or Masonry, Add	28.64	
For 50% Fluoropolymer Finish (Acrynar), Add	7.95	
For 70% Fluoropolymer Finish (Duranar), Add	23.84	
For Clear Anodized Finish, Add	19.87	
For Color Anodized Finish, Add	27.81	
08 51 13 00-0140 EA >6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	544.74	59.62
For Installation In Concrete Or Masonry, Add	31.01	
For 50% Fluoropolymer Finish (Acrynar), Add	8.91	
For 70% Fluoropolymer Finish (Duranar), Add	26.72	
For Clear Anodized Finish, Add	22.27	
For Color Anodized Finish, Add	31.18	

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0141	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	607.45	63.12
			<i>For Installation In Concrete Or Masonry, Add</i>	33.60	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.04	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	30.13	
			<i>For Clear Anodized Finish, Add</i>	25.11	
			<i>For Color Anodized Finish, Add</i>	35.16	
08 51 13 00-0142	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	36.99	2.11
			<i>For Installation In Concrete Or Masonry, Add</i>	1.54	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.67	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	2.01	
			<i>For Clear Anodized Finish, Add</i>	1.67	
			<i>For Color Anodized Finish, Add</i>	2.34	
08 51 13 00-0143			3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) <small>(08 51 13 00-0127)</small>		
08 51 13 00-0144	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600)	520.69	56.11
			<i>For Installation In Concrete Or Masonry, Add</i>	29.38	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.54	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	25.63	
			<i>For Clear Anodized Finish, Add</i>	21.36	
			<i>For Color Anodized Finish, Add</i>	29.90	
08 51 13 00-0145	EA		>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	579.54	59.62
			<i>For Installation In Concrete Or Masonry, Add</i>	31.88	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.60	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	28.81	
			<i>For Clear Anodized Finish, Add</i>	24.01	
			<i>For Color Anodized Finish, Add</i>	33.61	
08 51 13 00-0146	EA		>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	648.00	63.12
			<i>For Installation In Concrete Or Masonry, Add</i>	34.61	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.86	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	32.57	
			<i>For Clear Anodized Finish, Add</i>	27.14	
			<i>For Color Anodized Finish, Add</i>	37.99	
08 51 13 00-0147	SF		>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	39.70	2.11
			<i>For Installation In Concrete Or Masonry, Add</i>	1.61	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.72	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	2.17	
			<i>For Clear Anodized Finish, Add</i>	1.81	
			<i>For Color Anodized Finish, Add</i>	2.53	
08 51 13 00-0148			4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) <small>(08 51 13 00-0127)</small>		
08 51 13 00-0149	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	516.83	56.11
			<i>For Installation In Concrete Or Masonry, Add</i>	29.29	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.47	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	25.40	
			<i>For Clear Anodized Finish, Add</i>	21.17	
			<i>For Color Anodized Finish, Add</i>	29.63	
08 51 13 00-0150	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	575.06	59.62
			<i>For Installation In Concrete Or Masonry, Add</i>	31.76	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.51	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	28.54	
			<i>For Clear Anodized Finish, Add</i>	23.79	
			<i>For Color Anodized Finish, Add</i>	33.30	
08 51 13 00-0151	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	642.77	63.12
			<i>For Installation In Concrete Or Masonry, Add</i>	34.48	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.75	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	32.25	
			<i>For Clear Anodized Finish, Add</i>	26.88	
			<i>For Color Anodized Finish, Add</i>	37.63	
08 51 13 00-0152	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	39.35	2.11
			<i>For Installation In Concrete Or Masonry, Add</i>	1.60	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.72	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	2.15	
			<i>For Clear Anodized Finish, Add</i>	1.79	
			<i>For Color Anodized Finish, Add</i>	2.51	
08 51 13 00-0153			Fixed Over Vent, Projected Aluminum Windows <small>(08 51 13 00-0126)</small>		
08 51 13 00-0154			2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) <small>(08 51 13 00-0153)</small>		



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0155	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	458.06 27.82 7.29 21.87 18.23 25.52	56.11
08 51 13 00-0156	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	506.57 30.05 8.14 24.43 20.36 28.50	59.62
08 51 13 00-0157	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	562.98 32.49 9.16 27.47 22.89 32.04	63.12
08 51 13 00-0158	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	33.98 1.46 0.61 1.83 1.52 2.13	2.11
08 51 13 00-0159			2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) <small>(08 51 13 00-0153)</small>		
08 51 13 00-0160	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	641.15 32.39 10.95 32.86 27.38 38.33	56.11
08 51 13 00-0161	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	719.88 35.39 12.41 37.23 31.03 43.44	59.62
08 51 13 00-0162	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	811.49 38.70 14.13 42.38 35.31 49.44	63.12
08 51 13 00-0163	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	50.59 1.88 0.94 2.82 2.35 3.30	2.11
08 51 13 00-0164			3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) <small>(08 51 13 00-0153)</small>		
08 51 13 00-0165	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	679.69 33.36 11.72 35.17 29.31 41.03	56.11
08 51 13 00-0166	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	764.78 36.51 13.31 39.93 33.27 46.58	59.62
08 51 13 00-0167	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	863.80 40.01 15.17 45.51 37.93 53.10	63.12

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0168	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	53.99	2.11
		<i>For Installation In Concrete Or Masonry, Add</i>	1.96	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.01	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	3.03	
		<i>For Clear Anodized Finish, Add</i>	2.52	
		<i>For Color Anodized Finish, Add</i>	3.53	
08 51 13 00-0169		3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) (08 51 13 00-0153)		
08 51 13 00-0170	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	675.85	56.11
		<i>For Installation In Concrete Or Masonry, Add</i>	33.26	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.65	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	34.94	
		<i>For Clear Anodized Finish, Add</i>	29.12	
		<i>For Color Anodized Finish, Add</i>	40.76	
08 51 13 00-0171	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	760.29	59.62
		<i>For Installation In Concrete Or Masonry, Add</i>	36.40	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	13.22	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	39.66	
		<i>For Clear Anodized Finish, Add</i>	33.05	
		<i>For Color Anodized Finish, Add</i>	46.27	
08 51 13 00-0172	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	858.57	63.12
		<i>For Installation In Concrete Or Masonry, Add</i>	39.88	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	15.07	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	45.20	
		<i>For Clear Anodized Finish, Add</i>	37.67	
		<i>For Color Anodized Finish, Add</i>	52.73	
08 51 13 00-0173	SF	>15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	53.73	2.11
		<i>For Installation In Concrete Or Masonry, Add</i>	1.96	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.00	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	3.01	
		<i>For Clear Anodized Finish, Add</i>	2.51	
		<i>For Color Anodized Finish, Add</i>	3.52	
08 51 13 00-0174		4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0153)		
08 51 13 00-0175	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	735.59	56.11
		<i>For Installation In Concrete Or Masonry, Add</i>	34.76	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	12.84	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	38.52	
		<i>For Clear Anodized Finish, Add</i>	32.10	
		<i>For Color Anodized Finish, Add</i>	44.94	
08 51 13 00-0176	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	829.90	59.62
		<i>For Installation In Concrete Or Masonry, Add</i>	38.14	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	14.61	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	43.83	
		<i>For Clear Anodized Finish, Add</i>	36.53	
		<i>For Color Anodized Finish, Add</i>	51.14	
08 51 13 00-0177	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	939.66	63.12
		<i>For Installation In Concrete Or Masonry, Add</i>	41.91	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	16.69	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	50.07	
		<i>For Clear Anodized Finish, Add</i>	41.72	
		<i>For Color Anodized Finish, Add</i>	58.41	
08 51 13 00-0178	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	59.10	2.11
		<i>For Installation In Concrete Or Masonry, Add</i>	2.09	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.11	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	3.34	
		<i>For Clear Anodized Finish, Add</i>	2.78	
		<i>For Color Anodized Finish, Add</i>	3.89	
08 51 13 00-0179		Casement Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0180		Single Vent, Casement Aluminum Windows (08 51 13 00-0179)		
08 51 13 00-0181		2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) (08 51 13 00-0180)		
08 51 13 00-0182	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	379.03	56.11
		<i>For Installation In Concrete Or Masonry, Add</i>	25.84	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.71	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	17.13	
		<i>For Clear Anodized Finish, Add</i>	14.28	
		<i>For Color Anodized Finish, Add</i>	19.99	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51	13 00-0183	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	414.51 27.75 6.30 18.91 15.76 22.06	59.62
08 51	13 00-0184	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	455.74 29.81 7.01 21.03 17.53 24.54	63.12
08 51	13 00-0185	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	26.88 1.29 0.47 1.40 1.17 1.64	2.11
08 51 13 00-0186 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0180)					
08 51	13 00-0187	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	554.42 30.23 9.22 27.65 23.05 32.26	56.11
08 51	13 00-0188	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	618.83 32.86 10.39 31.17 25.97 36.36	59.62
08 51	13 00-0189	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	693.78 35.76 11.77 35.31 29.43 41.20	63.12
08 51	13 00-0190	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	42.75 1.68 0.78 2.35 1.96 2.75	2.11
08 51 13 00-0191 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0180)					
08 51	13 00-0192	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	557.31 30.30 9.28 27.83 23.19 32.47	56.11
08 51	13 00-0193	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	622.21 32.94 10.46 31.37 26.14 36.60	59.62
08 51	13 00-0194	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	697.70 35.86 11.85 35.55 29.62 41.47	63.12
08 51	13 00-0195	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	43.01 1.69 0.79 2.37 1.98 2.77	2.11
08 51 13 00-0196 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0180)					

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0197	EA Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	587.19	56.11
	<i>For Installation In Concrete Or Masonry, Add</i>	31.05	
	<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.87	
	<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	29.62	
	<i>For Clear Anodized Finish, Add</i>	24.68	
	<i>For Color Anodized Finish, Add</i>	34.56	
08 51 13 00-0198	EA >6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	657.01	59.62
	<i>For Installation In Concrete Or Masonry, Add</i>	33.81	
	<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.15	
	<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	33.46	
	<i>For Clear Anodized Finish, Add</i>	27.88	
	<i>For Color Anodized Finish, Add</i>	39.04	
08 51 13 00-0199	EA >10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	738.24	63.12
	<i>For Installation In Concrete Or Masonry, Add</i>	36.87	
	<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	12.66	
	<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	37.98	
	<i>For Clear Anodized Finish, Add</i>	31.65	
	<i>For Color Anodized Finish, Add</i>	44.31	
08 51 13 00-0200	SF >15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	45.72	2.11
	<i>For Installation In Concrete Or Masonry, Add</i>	1.76	
	<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.84	
	<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	2.53	
	<i>For Clear Anodized Finish, Add</i>	2.11	
	<i>For Color Anodized Finish, Add</i>	2.95	
08 51 13 00-0201	Fixed Over Vent, Casement Aluminum Windows (08 51 13 00-0179)		
08 51 13 00-0202	2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) (08 51 13 00-0201)		
08 51 13 00-0203	EA Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	432.04	56.11
	<i>For Installation In Concrete Or Masonry, Add</i>	27.17	
	<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.77	
	<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	20.31	
	<i>For Clear Anodized Finish, Add</i>	16.93	
	<i>For Color Anodized Finish, Add</i>	23.70	
08 51 13 00-0204	EA >6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	476.26	59.62
	<i>For Installation In Concrete Or Masonry, Add</i>	29.29	
	<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.54	
	<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	22.61	
	<i>For Clear Anodized Finish, Add</i>	18.85	
	<i>For Color Anodized Finish, Add</i>	26.38	
08 51 13 00-0205	EA >10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	527.67	63.12
	<i>For Installation In Concrete Or Masonry, Add</i>	31.61	
	<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.45	
	<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	25.35	
	<i>For Clear Anodized Finish, Add</i>	21.12	
	<i>For Color Anodized Finish, Add</i>	29.57	
08 51 13 00-0206	SF >15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	31.67	2.11
	<i>For Installation In Concrete Or Masonry, Add</i>	1.41	
	<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.56	
	<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	1.69	
	<i>For Clear Anodized Finish, Add</i>	1.41	
	<i>For Color Anodized Finish, Add</i>	1.97	
08 51 13 00-0207	2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0201)		
08 51 13 00-0208	EA Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	607.42	56.11
	<i>For Installation In Concrete Or Masonry, Add</i>	31.55	
	<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.28	
	<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	30.83	
	<i>For Clear Anodized Finish, Add</i>	25.70	
	<i>For Color Anodized Finish, Add</i>	35.97	
08 51 13 00-0209	EA >6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	680.58	59.62
	<i>For Installation In Concrete Or Masonry, Add</i>	34.40	
	<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.62	
	<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	34.87	
	<i>For Clear Anodized Finish, Add</i>	29.06	
	<i>For Color Anodized Finish, Add</i>	40.69	
08 51 13 00-0210	EA >10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	765.71	63.12
	<i>For Installation In Concrete Or Masonry, Add</i>	37.56	
	<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	13.21	
	<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	39.63	
	<i>For Clear Anodized Finish, Add</i>	33.02	
	<i>For Color Anodized Finish, Add</i>	46.23	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0211 SF >15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200).....	47.55	2.11
For Installation In Concrete Or Masonry, Add	1.80	
For 50% Fluoropolymer Finish (Acrynar), Add	0.88	
For 70% Fluoropolymer Finish (Duranar), Add	2.64	
For Clear Anodized Finish, Add	2.20	
For Color Anodized Finish, Add	3.08	
08 51 13 00-0212 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0201)		
08 51 13 00-0213 EA Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200).....	671.99	56.11
For Installation In Concrete Or Masonry, Add	33.17	
For 50% Fluoropolymer Finish (Acrynar), Add	11.57	
For 70% Fluoropolymer Finish (Duranar), Add	34.71	
For Clear Anodized Finish, Add	28.92	
For Color Anodized Finish, Add	40.49	
08 51 13 00-0214 EA >6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200).....	755.81	59.62
For Installation In Concrete Or Masonry, Add	36.28	
For 50% Fluoropolymer Finish (Acrynar), Add	13.13	
For 70% Fluoropolymer Finish (Duranar), Add	39.39	
For Clear Anodized Finish, Add	32.82	
For Color Anodized Finish, Add	45.95	
08 51 13 00-0215 EA >10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200).....	853.34	63.12
For Installation In Concrete Or Masonry, Add	39.75	
For 50% Fluoropolymer Finish (Acrynar), Add	14.96	
For 70% Fluoropolymer Finish (Duranar), Add	44.89	
For Clear Anodized Finish, Add	37.41	
For Color Anodized Finish, Add	52.37	
08 51 13 00-0216 SF >15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200).....	53.38	2.11
For Installation In Concrete Or Masonry, Add	1.95	
For 50% Fluoropolymer Finish (Acrynar), Add	1.00	
For 70% Fluoropolymer Finish (Duranar), Add	2.99	
For Clear Anodized Finish, Add	2.49	
For Color Anodized Finish, Add	3.49	
08 51 13 00-0217 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0201)		
08 51 13 00-0218 EA Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720).....	730.77	56.11
For Installation In Concrete Or Masonry, Add	34.64	
For 50% Fluoropolymer Finish (Acrynar), Add	12.75	
For 70% Fluoropolymer Finish (Duranar), Add	38.24	
For Clear Anodized Finish, Add	31.86	
For Color Anodized Finish, Add	44.61	
08 51 13 00-0219 EA >6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720).....	824.29	59.62
For Installation In Concrete Or Masonry, Add	38.00	
For 50% Fluoropolymer Finish (Acrynar), Add	14.50	
For 70% Fluoropolymer Finish (Duranar), Add	43.50	
For Clear Anodized Finish, Add	36.25	
For Color Anodized Finish, Add	50.75	
08 51 13 00-0220 EA >10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720).....	933.12	63.12
For Installation In Concrete Or Masonry, Add	41.74	
For 50% Fluoropolymer Finish (Acrynar), Add	16.56	
For 70% Fluoropolymer Finish (Duranar), Add	49.67	
For Clear Anodized Finish, Add	41.40	
For Color Anodized Finish, Add	57.95	
08 51 13 00-0221 SF >15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720).....	58.70	2.11
For Installation In Concrete Or Masonry, Add	2.08	
For 50% Fluoropolymer Finish (Acrynar), Add	1.10	
For 70% Fluoropolymer Finish (Duranar), Add	3.31	
For Clear Anodized Finish, Add	2.76	
For Color Anodized Finish, Add	3.86	
08 51 13 00-0222 Aluminum Window Accessories (08 51 13)		
08 51 13 00-0223 Aluminum Window Mullions (08 51 13 00-0222)		
08 51 13 00-0224 LF Integral Mullions For Aluminum Windows.....	13.19	2.63
For 50% Fluoropolymer Finish (Acrynar), Add	0.17	
For 70% Fluoropolymer Finish (Duranar), Add	0.50	
For Clear Anodized Finish, Add	0.42	
For Color Anodized Finish, Add	0.58	
08 51 13 00-0225 Aluminum Window Insect Screens (08 51 13 00-0222)		
Note: Includes aluminum frames.		
08 51 13 00-0226 SF <10 SF Area Including Aluminum Frame, Insect Screens For Aluminum Windows.....	4.55	0.88

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 51 13 00-0227	SF	>10 SF Area Including Aluminum Frame, Insect Screens For Aluminum Windows.....		3.11	0.71
08 51 13 00-0228	SF	Repair Screen Window		3.21	
08 51 13 00-0229		Aluminum Window Panning <small>(08 51 13 00-0222)</small>			
		Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.			
08 51 13 00-0230	EA	Up To 6 SF Window, Aluminum Window Panning.....		136.26	22.55
		For 50% Fluoropolymer Finish (Acrynar), Add		1.97	
		For 70% Fluoropolymer Finish (Duranar), Add		5.92	
		For Clear Anodized Finish, Add		4.93	
		For Color Anodized Finish, Add		6.91	
08 51 13 00-0231	EA	>6 To 10 SF Window, Aluminum Window Panning.....		189.84	37.57
		For 50% Fluoropolymer Finish (Acrynar), Add		2.54	
		For 70% Fluoropolymer Finish (Duranar), Add		7.63	
		For Clear Anodized Finish, Add		6.36	
		For Color Anodized Finish, Add		8.91	
08 51 13 00-0232	EA	>10 To 15 SF Window, Aluminum Window Panning.....		233.04	56.36
		For 50% Fluoropolymer Finish (Acrynar), Add		2.78	
		For 70% Fluoropolymer Finish (Duranar), Add		8.35	
		For Clear Anodized Finish, Add		6.96	
		For Color Anodized Finish, Add		9.74	
08 51 13 00-0233	EA	>15 To 20 SF Window, Aluminum Window Panning.....		278.62	75.15
		For 50% Fluoropolymer Finish (Acrynar), Add		3.07	
		For 70% Fluoropolymer Finish (Duranar), Add		9.20	
		For Clear Anodized Finish, Add		7.67	
		For Color Anodized Finish, Add		10.74	
08 51 13 00-0234	EA	>20 To 30 SF Window, Aluminum Window Panning.....		368.59	112.72
		For 50% Fluoropolymer Finish (Acrynar), Add		3.61	
		For 70% Fluoropolymer Finish (Duranar), Add		10.84	
		For Clear Anodized Finish, Add		9.04	
		For Color Anodized Finish, Add		12.65	
08 51 13 00-0235	SF	>30 SF Window, Aluminum Window Panning.....		13.48	4.70
		For 50% Fluoropolymer Finish (Acrynar), Add		0.11	
		For 70% Fluoropolymer Finish (Duranar), Add		0.34	
		For Clear Anodized Finish, Add		0.28	
		For Color Anodized Finish, Add		0.40	
08 51 13 00-0236		Aluminum Window Muntins, Grilles Or Dividers <small>(08 51 13 00-0222)</small>			
08 51 13 00-0237	SF	Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows.....		4.05	2.63
		For 50% Fluoropolymer Finish (Acrynar), Add		0.01	
		For 70% Fluoropolymer Finish (Duranar), Add		0.03	
		For Clear Anodized Finish, Add		0.03	
		For Color Anodized Finish, Add		0.04	
08 51 13 00-0238	SF	Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows		5.59	2.63
		For 50% Fluoropolymer Finish (Acrynar), Add		0.04	
		For 70% Fluoropolymer Finish (Duranar), Add		0.12	
		For Clear Anodized Finish, Add		0.10	
		For Color Anodized Finish, Add		0.15	
08 51 13 00-0239	SF	Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows		11.74	2.63
		For 50% Fluoropolymer Finish (Acrynar), Add		0.06	
		For 70% Fluoropolymer Finish (Duranar), Add		0.18	
		For Clear Anodized Finish, Add		0.15	
		For Color Anodized Finish, Add		0.21	
08 51 13 00-0240	SF	True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows.....		14.10	2.63
		For 50% Fluoropolymer Finish (Acrynar), Add		0.08	
		For 70% Fluoropolymer Finish (Duranar), Add		0.25	
		For Clear Anodized Finish, Add		0.21	
		For Color Anodized Finish, Add		0.29	
08 51 13 00-0241		Other Aluminum Window Accessories <small>(08 51 13 00-0222)</small>			
08 51 13 00-0242	EA	Rot Operator For Casement Aluminum Windows.....		105.61	11.68
08 51 13 00-0243	EA	Head And Sill Automatic Locks For Hung Aluminum Windows.....		53.30	11.68
08 51 19		Stainless-Steel Windows <small>(08 51)</small>			
		See CSI section 08 80 00 00-0000 for glazing.			
08 51 19 00-0001		Stainless Steel Windows Types <small>(08 51 19)</small>			
08 51 19 00-0002	SF	Stainless Steel Window Casements, 100% Vented Operable, Factory Primed		63.28	3.51
		For Heavy Commercial Grade (HC-40), Add		26.72	
		For Non Stock Custom Sizes, Add		5.74	
		For Installation In Concrete Or Masonry, Add		2.60	
08 51 19 00-0003	SF	Stainless Steel Window Casements, 50% Vented Operable, Factory Primed		55.85	3.51
		For Heavy Commercial Grade (HC-40), Add		23.38	
		For Non Stock Custom Sizes, Add		5.00	
		For Installation In Concrete Or Masonry, Add		2.42	
08 51 19 00-0004	SF	Stainless Steel Window Casements, Fixed Sash, Factory Primed		39.70	3.51
		For Heavy Commercial Grade (HC-40), Add		16.11	
		For Non Stock Custom Sizes, Add		3.39	
		For Installation In Concrete Or Masonry, Add		2.01	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51	19 00-0005	SF	Stainless Steel Window, Fixed Sash <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	44.38 18.22 3.85 2.13	3.51
08 51	19 00-0006	SF	Stainless Steel Window With Horizontal Pivot Sash <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	77.76 33.24 7.19 2.97	3.51
08 51	19 00-0007	SF	Commercial Projected Sash Window - 40% Vented Stainless Steel <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	81.54 34.94 7.57 3.06	3.51
08 51	19 00-0008	SF	Intermediate Projected Sash Window - 40% Vented Stainless Steel..... <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	90.52 38.98 8.47 3.29	3.51
08 51	19 00-0009	SF	Double Hung Stainless Steel Window Sash <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	99.47 43.01 9.36 3.51	3.51
08 51	19 00-0010	SF	Single Hung Stainless Steel Window Sash..... <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	68.98 29.29 6.31 2.75	3.51
08 51	19 00-0011	SF	Stainless Steel Picture Window Sash <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	56.86 23.84 5.10 2.44	3.51
08 51	19 00-0012	SF	Sliding Stainless Steel Window..... <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	102.76 44.49 9.69 3.59	3.51

08 51 23 Steel Windows (08 51)

Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for glazing.

08 51 23 00-0001 **Steel Windows** (08 51 23)

08 51 23 00-0002 **Industrial** (08 51 23 00-0001)

08 51	23 00-0003	SF	Industrial Steel Window With Horizontal Pivot Sash <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Double Glazing Sash, Add</i> <i>For Bonderized Finish, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	48.50 20.07 4.27 25.95 16.21 2.23	3.51
08 51	23 00-0004	SF	Industrial Steel Window, Fixed Sash <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Double Glazing Sash, Add</i> <i>For Bonderized Finish, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	43.03 17.61 3.72 22.66 14.13 2.10	3.51
08 51	23 00-0005	SF	Industrial Steel Window, Operable Security Sash..... <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Double Glazing Sash, Add</i> <i>For Bonderized Finish, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	70.92 30.16 6.51 39.40 24.73 2.80	3.51
08 51	23 00-0006	SF	Industrial Steel Window, Fixed Security Sash..... <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Double Glazing Sash, Add</i> <i>For Bonderized Finish, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	59.98 25.24 5.41 32.83 20.57 2.52	3.51

08 51 23 00-0007 **Projected Sash** (08 51 23 00-0001)

08 51	23 00-0008	SF	Commercial Projected Sash Window - 40% Vented Steel..... <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Double Glazing Sash, Add</i> <i>For Bonderized Finish, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	56.65 23.74 5.08 30.84 19.31 2.44	3.51
08 51	23 00-0009	SF	Intermediate Projected Sash Window - 40% Vented Steel <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Double Glazing Sash, Add</i> <i>For Bonderized Finish, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	62.66 26.45 5.68 34.44 21.59 2.59	3.51

08 51 23 00-0010 **Other Type Sash** (08 51 23 00-0001)

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 23 00-0011	SF		Double Hung Steel Window Sash.....	73.28	3.51
			<i>For Heavy Commercial Grade (HC-40), Add</i>	31.22	
			<i>For Non Stock Custom Sizes, Add</i>	6.74	
			<i>For Double Glazing Sash, Add</i>	40.81	
			<i>For Bonderized Finish, Add</i>	25.63	
			<i>For Installation In Concrete Or Masonry, Add</i>	2.85	
08 51 23 00-0012	SF		Steel Picture Window Sash.....	30.46	3.51
			<i>For Heavy Commercial Grade (HC-40), Add</i>	11.96	
			<i>For Non Stock Custom Sizes, Add</i>	2.46	
			<i>For Double Glazing Sash, Add</i>	15.12	
			<i>For Bonderized Finish, Add</i>	9.36	
			<i>For Installation In Concrete Or Masonry, Add</i>	1.78	
08 51 23 00-0013	SF		Fire Rated Double Hung Steel Window Sash	75.65	4.38
			<i>For Heavy Commercial Grade (HC-40), Add</i>	32.29	
			<i>For Non Stock Custom Sizes, Add</i>	6.98	
			<i>For Double Glazing Sash, Add</i>	42.24	
			<i>For Bonderized Finish, Add</i>	26.53	
			<i>For Installation In Concrete Or Masonry, Add</i>	2.91	
08 51 23 00-0014	SF		Single Hung Steel Window Sash	51.32	3.51
			<i>For Heavy Commercial Grade (HC-40), Add</i>	21.34	
			<i>For Non Stock Custom Sizes, Add</i>	4.55	
			<i>For Double Glazing Sash, Add</i>	27.64	
			<i>For Bonderized Finish, Add</i>	17.28	
			<i>For Installation In Concrete Or Masonry, Add</i>	2.31	
08 51 23 00-0015			Casements <small>(08 51 23 00-0001)</small>		
08 51 23 00-0016	SF		Steel Window Casements, 100% Vented Operable, Factory Primed.....	65.51	1.76
			<i>For Double Glazing Sash, Add</i>	36.15	
			<i>For Bonderized Finish, Add</i>	22.67	
			<i>For Heavy Commercial Grade (HC-40), Add</i>	27.73	
			<i>For Non Stock Custom Sizes, Add</i>	5.97	
			<i>For Installation In Concrete Or Masonry, Add</i>	2.66	
08 51 23 00-0017	SF		Steel Window Casements, 50% Vented Operable, Factory Primed.....	56.41	1.76
			<i>For Double Glazing Sash, Add</i>	30.69	
			<i>For Bonderized Finish, Add</i>	19.22	
			<i>For Heavy Commercial Grade (HC-40), Add</i>	23.63	
			<i>For Non Stock Custom Sizes, Add</i>	5.06	
			<i>For Installation In Concrete Or Masonry, Add</i>	2.43	
08 51 23 00-0018	SF		Steel Window Casements, Fixed Sash, Factory Primed.....	39.26	2.63
			<i>For Double Glazing Sash, Add</i>	20.40	
			<i>For Bonderized Finish, Add</i>	12.70	
			<i>For Heavy Commercial Grade (HC-40), Add</i>	15.92	
			<i>For Non Stock Custom Sizes, Add</i>	3.34	
			<i>For Installation In Concrete Or Masonry, Add</i>	2.00	
08 51 23 00-0019			Mullions <small>(08 51 23 00-0001)</small>		
08 51 23 00-0020	LF		Open Faced Steel Mullion.....	22.88	2.63
08 51 23 00-0021	LF		Covered Steel Mullions	40.07	2.63
08 51 23 00-0022			Removal And Reinstallation Of Metal Window And Frame <small>(08 51 23)</small>		
			Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.		
08 51 23 00-0023	SF		Removal And Reinstallation Of Metal Window And Frame	9.30	
08 52 Wood Windows			<small>(08 50)</small>		
08 52 16 Plastic-Clad Wood Windows			<small>(08 52)</small>		
08 52 16 00-0001			Double Hung Wood Clad Windows <small>(08 52 16)</small>		
08 52 16 00-0002			Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0001)</small>		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0003			35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0004	EA		23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	213.73	26.88
			<i>For Low-E Insulated Glass, Add</i>	19.19	
			<i>For Tempered Clear Insulated Glass, Add</i>	31.99	
08 52 16 00-0005	EA		27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	226.44	28.06
			<i>For Low-E Insulated Glass, Add</i>	20.44	
			<i>For Tempered Clear Insulated Glass, Add</i>	34.07	
08 52 16 00-0006	EA		31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	238.29	29.23
			<i>For Low-E Insulated Glass, Add</i>	21.58	
			<i>For Tempered Clear Insulated Glass, Add</i>	35.97	
08 52 16 00-0007	EA		35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	250.14	30.40
			<i>For Low-E Insulated Glass, Add</i>	22.72	
			<i>For Tempered Clear Insulated Glass, Add</i>	37.87	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0008 41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0009 EA 23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	231.93	28.64
For Low-E Insulated Glass, Add	20.96	
For Tempered Clear Insulated Glass, Add	34.93	
08 52 16 00-0010 EA 27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	244.64	29.81
For Low-E Insulated Glass, Add	22.20	
For Tempered Clear Insulated Glass, Add	37.00	
08 52 16 00-0011 EA 31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	256.50	30.98
For Low-E Insulated Glass, Add	23.34	
For Tempered Clear Insulated Glass, Add	38.91	
08 52 16 00-0012 EA 35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	268.35	32.15
For Low-E Insulated Glass, Add	24.49	
For Tempered Clear Insulated Glass, Add	40.81	
08 52 16 00-0013 47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0014 EA 23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	250.14	30.40
For Low-E Insulated Glass, Add	22.72	
For Tempered Clear Insulated Glass, Add	37.87	
08 52 16 00-0015 EA 27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	261.98	31.57
For Low-E Insulated Glass, Add	23.86	
For Tempered Clear Insulated Glass, Add	39.77	
08 52 16 00-0016 EA 31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	274.70	32.74
For Low-E Insulated Glass, Add	25.11	
For Tempered Clear Insulated Glass, Add	41.85	
08 52 16 00-0017 EA 35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	286.55	33.90
For Low-E Insulated Glass, Add	26.25	
For Tempered Clear Insulated Glass, Add	43.75	
08 52 16 00-0018 53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0019 EA 23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	268.35	32.15
For Low-E Insulated Glass, Add	24.49	
For Tempered Clear Insulated Glass, Add	40.81	
08 52 16 00-0020 EA 27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	280.20	33.31
For Low-E Insulated Glass, Add	25.63	
For Tempered Clear Insulated Glass, Add	42.71	
08 52 16 00-0021 EA 31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	292.05	34.48
For Low-E Insulated Glass, Add	26.77	
For Tempered Clear Insulated Glass, Add	44.61	
08 52 16 00-0022 EA 35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	304.75	35.65
For Low-E Insulated Glass, Add	28.01	
For Tempered Clear Insulated Glass, Add	46.69	
08 52 16 00-0023 56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0024 EA 19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	265.16	32.15
For Low-E Insulated Glass, Add	24.17	
For Tempered Clear Insulated Glass, Add	40.29	
08 52 16 00-0025 EA 23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	277.01	33.02
For Low-E Insulated Glass, Add	25.32	
For Tempered Clear Insulated Glass, Add	42.19	
08 52 16 00-0026 EA 27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	289.73	34.48
For Low-E Insulated Glass, Add	26.56	
For Tempered Clear Insulated Glass, Add	44.27	
08 52 16 00-0027 EA 31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	301.57	35.65
For Low-E Insulated Glass, Add	27.70	
For Tempered Clear Insulated Glass, Add	46.17	
08 52 16 00-0028 EA 35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	313.43	36.83
For Low-E Insulated Glass, Add	28.84	
For Tempered Clear Insulated Glass, Add	48.07	
08 52 16 00-0029 EA 39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	325.28	38.00
For Low-E Insulated Glass, Add	29.98	
For Tempered Clear Insulated Glass, Add	49.97	
08 52 16 00-0030 59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0031 EA 19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	274.70	32.74
For Low-E Insulated Glass, Add	25.11	
For Tempered Clear Insulated Glass, Add	41.85	
08 52 16 00-0032 EA 23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	286.55	33.90
For Low-E Insulated Glass, Add	26.25	
For Tempered Clear Insulated Glass, Add	43.75	
08 52 16 00-0033 EA 27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	298.39	35.07
For Low-E Insulated Glass, Add	27.39	
For Tempered Clear Insulated Glass, Add	45.65	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0034	EA		31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	310.24 28.53 47.55	36.24
08 52 16 00-0035	EA		35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	322.10 29.67 49.46	37.41
08 52 16 00-0036	EA		39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	334.80 30.92 51.53	38.58
08 52 16 00-0037			65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0038	EA		23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	304.75 28.01 46.69	35.65
08 52 16 00-0039	EA		27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	316.60 29.15 48.59	36.83
08 52 16 00-0040	EA		31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	328.45 30.30 50.49	38.00
08 52 16 00-0041	EA		35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	340.29 31.44 52.39	39.17
08 52 16 00-0042			71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0043	EA		23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	322.10 29.67 49.46	37.41
08 52 16 00-0044	EA		27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	334.80 30.92 51.53	38.58
08 52 16 00-0045	EA		31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	346.65 32.06 53.43	39.75
08 52 16 00-0046	EA		35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	358.51 33.20 55.33	40.91
08 52 16 00-0047			Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0001) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0048			36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0049	EA		21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	265.02 42.37	26.88
08 52 16 00-0050	EA		25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	281.19 45.13	27.76
08 52 16 00-0051	EA		29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	298.23 48.07	28.93
08 52 16 00-0052	EA		31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	307.18 49.63	29.81
08 52 16 00-0053	EA		33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	315.27 51.01	30.40
08 52 16 00-0054	EA		35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	323.35 52.39	30.98
08 52 16 00-0055	EA		37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	332.30 53.95	31.27
08 52 16 00-0056	EA		41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	348.47 56.72	32.45
08 52 16 00-0057	EA		45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	365.51 59.66	33.61
08 52 16 00-0058			40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0059	EA		21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	281.19 45.13	28.06
08 52 16 00-0060	EA		25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	298.23 48.07	28.93
08 52 16 00-0061	EA		29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	315.27 51.01	30.10
08 52 16 00-0062	EA		31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	323.35 52.39	30.98
08 52 16 00-0063	EA		33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	332.30 53.95	31.57
08 52 16 00-0064	EA		35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	340.38 55.33	32.15



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0065	EA		37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	348.47 56.72	32.45
08 52 16 00-0066	EA		41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	365.51 59.66	33.61
08 52 16 00-0067	EA		45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	382.54 62.60	34.78
08 52 16 00-0068			44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0069	EA		21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	298.23 48.07	29.23
08 52 16 00-0070	EA		25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	315.27 51.01	30.10
08 52 16 00-0071	EA		29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	332.30 53.95	31.27
08 52 16 00-0072	EA		31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	340.38 55.33	32.15
08 52 16 00-0073	EA		33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	348.47 56.72	32.74
08 52 16 00-0074	EA		35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	357.42 58.27	33.31
08 52 16 00-0075	EA		37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	365.51 59.66	33.61
08 52 16 00-0076	EA		41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	382.54 62.60	34.78
08 52 16 00-0077	EA		45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	399.57 65.54	35.95
08 52 16 00-0078			48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0079	EA		21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	315.27 51.01	30.40
08 52 16 00-0080	EA		25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	332.30 53.95	31.27
08 52 16 00-0081	EA		29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	348.47 56.72	32.45
08 52 16 00-0082	EA		31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	357.42 58.27	33.31
08 52 16 00-0083	EA		33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	365.51 59.66	33.90
08 52 16 00-0084	EA		35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	373.59 61.04	34.48
08 52 16 00-0085	EA		37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	382.54 62.60	34.78
08 52 16 00-0086	EA		41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	399.57 65.54	35.95
08 52 16 00-0087	EA		45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	415.76 68.30	37.12
08 52 16 00-0088			52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0089	EA		21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	332.30 53.95	31.57
08 52 16 00-0090	EA		25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	348.47 56.72	32.45
08 52 16 00-0091	EA		29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	365.51 59.66	33.61
08 52 16 00-0092	EA		31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	373.59 61.04	34.48
08 52 16 00-0093	EA		33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	382.54 62.60	35.07
08 52 16 00-0094	EA		35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	390.62 63.98	35.65
08 52 16 00-0095	EA		37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	399.57 65.54	35.95
08 52 16 00-0096	EA		41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	415.76 68.30	37.12
08 52 16 00-0097	EA		45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	432.80 71.24	38.29
08 52 16 00-0098			56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0099	EA		21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	348.47 56.72	32.74
08 52 16 00-0100	EA		25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	365.51 59.66	33.61
08 52 16 00-0101	EA		29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	382.54 62.60	34.78

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 52 16 00-0102	EA	31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	390.62 63.98	35.65
08 52 16 00-0103	EA	33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	399.57 65.54	36.24
08 52 16 00-0104	EA	35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	407.67 66.92	36.83
08 52 16 00-0105	EA	37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	415.76 68.30	37.12
08 52 16 00-0106	EA	41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	432.80 71.24	38.29
08 52 16 00-0107	EA	45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	449.82 74.18	39.46
08 52 16 00-0108		60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0109	EA	21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	365.51 59.66	33.90
08 52 16 00-0110	EA	25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	382.54 62.60	34.78
08 52 16 00-0111	EA	29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	399.57 65.54	35.95
08 52 16 00-0112	EA	31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	407.67 66.92	36.83
08 52 16 00-0113	EA	33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	415.76 68.30	37.41
08 52 16 00-0114	EA	35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	424.71 69.86	38.00
08 52 16 00-0115	EA	37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	432.80 71.24	38.29
08 52 16 00-0116	EA	41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	449.82 74.18	39.46
08 52 16 00-0117	EA	45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	466.00 76.95	40.62
08 52 16 00-0118		64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0119	EA	21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	382.54 62.60	35.07
08 52 16 00-0120	EA	25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	399.57 65.54	35.95
08 52 16 00-0121	EA	29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	415.76 68.30	37.12
08 52 16 00-0122	EA	31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	424.71 69.86	38.00
08 52 16 00-0123	EA	33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	432.80 71.24	38.58
08 52 16 00-0124	EA	35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	440.87 72.63	39.17
08 52 16 00-0125	EA	37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	449.82 74.18	39.46
08 52 16 00-0126	EA	41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	466.00 76.95	40.62
08 52 16 00-0127	EA	45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	483.04 79.89	41.79
08 52 16 00-0128		68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0129	EA	21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	399.57 65.54	36.24
08 52 16 00-0130	EA	25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	415.76 68.30	37.12
08 52 16 00-0131	EA	29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	432.80 71.24	38.29
08 52 16 00-0132	EA	31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	440.87 72.63	39.17
08 52 16 00-0133	EA	33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	449.82 74.18	39.75
08 52 16 00-0134	EA	35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	457.91 75.57	40.33
08 52 16 00-0135	EA	37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	466.00 76.95	40.62
08 52 16 00-0136	EA	41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	483.04 79.89	41.79
08 52 16 00-0137	EA	45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	500.06 82.83	42.96
08 52 16 00-0138		72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0139 EA 21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	415.76	37.41
For Tempered Low-E Insulated Glass, Add	68.30	
08 52 16 00-0140 EA 25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	432.80	38.29
For Tempered Low-E Insulated Glass, Add	71.24	
08 52 16 00-0141 EA 29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	449.82	39.46
For Tempered Low-E Insulated Glass, Add	74.18	
08 52 16 00-0142 EA 31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	457.91	40.33
For Tempered Low-E Insulated Glass, Add	75.57	
08 52 16 00-0143 EA 33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	466.00	40.91
For Tempered Low-E Insulated Glass, Add	76.95	
08 52 16 00-0144 EA 35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	474.95	41.50
For Tempered Low-E Insulated Glass, Add	78.51	
08 52 16 00-0145 EA 37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	483.04	41.79
For Tempered Low-E Insulated Glass, Add	79.89	
08 52 16 00-0146 EA 41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	500.06	42.96
For Tempered Low-E Insulated Glass, Add	82.83	
08 52 16 00-0147 EA 45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	517.10	44.13
For Tempered Low-E Insulated Glass, Add	85.77	
08 52 16 00-0148 76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)		
(08 52 16 00-0047)		
08 52 16 00-0149 EA 21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	432.80	38.58
For Tempered Low-E Insulated Glass, Add	71.24	
08 52 16 00-0150 EA 25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	449.82	39.46
For Tempered Low-E Insulated Glass, Add	74.18	
08 52 16 00-0151 EA 29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	466.00	40.62
For Tempered Low-E Insulated Glass, Add	76.95	
08 52 16 00-0152 EA 31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	474.95	41.50
For Tempered Low-E Insulated Glass, Add	78.51	
08 52 16 00-0153 EA 33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	483.04	42.08
For Tempered Low-E Insulated Glass, Add	79.89	
08 52 16 00-0154 EA 35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	491.98	42.67
For Tempered Low-E Insulated Glass, Add	81.45	
08 52 16 00-0155 EA 37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	500.06	42.96
For Tempered Low-E Insulated Glass, Add	82.83	
08 52 16 00-0156 EA 41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	517.10	44.13
For Tempered Low-E Insulated Glass, Add	85.77	
08 52 16 00-0157 EA 45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	533.29	45.30
For Tempered Low-E Insulated Glass, Add	88.54	
08 52 16 00-0158 84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)		
(08 52 16 00-0047)		
08 52 16 00-0159 EA 21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	671.77	40.91
For Tempered Low-E Insulated Glass, Add	118.10	
08 52 16 00-0160 EA 25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	695.73	41.79
For Tempered Low-E Insulated Glass, Add	122.43	
08 52 16 00-0161 EA 29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	719.67	42.96
For Tempered Low-E Insulated Glass, Add	126.75	
08 52 16 00-0162 EA 31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	731.22	43.84
For Tempered Low-E Insulated Glass, Add	128.83	
08 52 16 00-0163 EA 33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	743.63	44.42
For Tempered Low-E Insulated Glass, Add	131.07	
08 52 16 00-0164 EA 35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	755.17	45.01
For Tempered Low-E Insulated Glass, Add	133.15	
08 52 16 00-0165 EA 37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	766.73	45.30
For Tempered Low-E Insulated Glass, Add	135.22	
08 52 16 00-0166 EA 41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	790.67	46.47
For Tempered Low-E Insulated Glass, Add	139.55	
08 52 16 00-0167 EA 45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	814.63	47.63
For Tempered Low-E Insulated Glass, Add	143.87	
08 52 16 00-0168 88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)		
(08 52 16 00-0047)		
08 52 16 00-0169 EA 21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	695.73	42.08
For Tempered Low-E Insulated Glass, Add	122.43	
08 52 16 00-0170 EA 25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	719.67	42.96
For Tempered Low-E Insulated Glass, Add	126.75	
08 52 16 00-0171 EA 29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	743.63	44.13
For Tempered Low-E Insulated Glass, Add	131.07	
08 52 16 00-0172 EA 31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	755.17	45.01
For Tempered Low-E Insulated Glass, Add	133.15	
08 52 16 00-0173 EA 33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	766.73	45.60
For Tempered Low-E Insulated Glass, Add	135.22	
08 52 16 00-0174 EA 35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	779.13	46.18
For Tempered Low-E Insulated Glass, Add	137.47	
08 52 16 00-0175 EA 37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	790.67	46.47
For Tempered Low-E Insulated Glass, Add	139.55	
08 52 16 00-0176 EA 41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	814.63	47.63
For Tempered Low-E Insulated Glass, Add	143.87	

08	08	Openings
	08 50	Windows
	08 52	Wood Windows



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 52 16 00-0177	EA	45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series) <i>For Tempered Low-E Insulated Glass, Add</i>	838.58 148.19	48.80
08 52 16 00-0178		Casement Wood Clad Windows (08 52 16)		
08 52 16 00-0179		Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0178) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0180		One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)		
08 52 16 00-0181		24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0182	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	174.89 26.21	22.21
08 52 16 00-0183	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	184.78 27.84	22.80
08 52 16 00-0184	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	195.92 29.60	23.97
08 52 16 00-0185	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	206.24 31.19	25.14
08 52 16 00-0186		28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0187	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	187.39 28.24	23.38
08 52 16 00-0188	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	197.28 29.87	23.97
08 52 16 00-0189	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	208.42 31.63	25.14
08 52 16 00-0190	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	214.25 32.33	26.30
08 52 16 00-0191	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	226.92 34.51	27.47
08 52 16 00-0192		35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0193	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	209.78 31.90	25.14
08 52 16 00-0194	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	220.34 33.66	26.30
08 52 16 00-0195	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	231.49 35.42	27.18
08 52 16 00-0196	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	248.73 38.41	28.35
08 52 16 00-0197	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	265.03 41.32	29.23
08 52 16 00-0198	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	280.78 44.23	29.81
08 52 16 00-0199		40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0200	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	224.89 34.34	26.88
08 52 16 00-0201	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	234.77 35.97	27.47
08 52 16 00-0202	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	245.92 37.73	28.64
08 52 16 00-0203	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	270.62 42.20	29.81
08 52 16 00-0204	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	287.68 45.26	30.98
08 52 16 00-0205	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	303.85 48.03	32.15
08 52 16 00-0206		48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0207	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	246.51 37.73	29.23
08 52 16 00-0208	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	257.07 39.49	29.81
08 52 16 00-0209	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	268.22 41.25	30.98
08 52 16 00-0210	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	302.06 47.55	32.15



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0211 EA 31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	315.51 49.89	33.31
08 52 16 00-0212 EA 35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	335.63 53.45	34.48
08 52 16 00-0213 52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0214 EA 17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	261.05 40.17	30.40
08 52 16 00-0215 EA 20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	270.93 41.79	30.98
08 52 16 00-0216 EA 24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	282.08 43.56	32.15
08 52 16 00-0217 EA 28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	323.71 51.41	33.31
08 52 16 00-0218 EA 31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	343.58 55.04	34.48
08 52 16 00-0219 EA 35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	356.93 57.24	35.65
08 52 16 00-0220 59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0221 EA 17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	282.08 43.56	32.15
08 52 16 00-0222 EA 20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	292.64 45.32	33.31
08 52 16 00-0223 EA 24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	303.78 47.08	34.19
08 52 16 00-0224 EA 28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	354.90 56.84	35.36
08 52 16 00-0225 EA 31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	369.11 59.33	36.24
08 52 16 00-0226 EA 35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	388.13 62.66	37.41
08 52 16 00-0227 64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0228 EA 17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	297.19 45.99	33.90
08 52 16 00-0229 EA 20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	307.08 47.62	34.48
08 52 16 00-0230 EA 24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	318.22 49.38	35.65
08 52 16 00-0231 EA 28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	376.80 60.63	36.83
08 52 16 00-0232 EA 31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	390.05 62.93	38.00
08 52 16 00-0233 EA 35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	410.02 66.46	39.17
08 52 16 00-0234 71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0235 EA 17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	318.22 49.38	35.65
08 52 16 00-0236 EA 20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	328.79 51.14	36.83
08 52 16 00-0237 EA 24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	339.94 52.91	37.70
08 52 16 00-0238 EA 28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	407.99 66.05	38.87
08 52 16 00-0239 EA 31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	424.15 68.93	39.75
08 52 16 00-0240 EA 35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	441.22 71.88	40.91
08 52 16 00-0241 Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)		
08 52 16 00-0242 24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0243 EA 40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	308.22 50.19	28.64
08 52 16 00-0244 EA 48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	349.59 57.53	30.98
08 52 16 00-0245 EA 56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	397.34 66.14	33.31

08 Openings**08 50 Windows****08 52 Wood Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0246			28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0247	EA		40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	332.06	29.81
			<i>For Tempered Clear Insulated Glass, Add</i>	54.49	
08 52 16 00-0248	EA		48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	373.43	32.15
			<i>For Tempered Clear Insulated Glass, Add</i>	61.83	
08 52 16 00-0249	EA		56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	421.18	34.48
			<i>For Tempered Clear Insulated Glass, Add</i>	70.44	
08 52 16 00-0250			35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0251	EA		33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	329.18	29.81
			<i>For Tempered Clear Insulated Glass, Add</i>	53.91	
08 52 16 00-0252	EA		40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	371.21	32.15
			<i>For Tempered Clear Insulated Glass, Add</i>	61.50	
08 52 16 00-0253	EA		48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	415.19	34.48
			<i>For Tempered Clear Insulated Glass, Add</i>	69.36	
08 52 16 00-0254	EA		56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	465.94	36.53
			<i>For Tempered Clear Insulated Glass, Add</i>	78.57	
08 52 16 00-0255	EA		62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	500.02	38.29
			<i>For Tempered Clear Insulated Glass, Add</i>	84.69	
08 52 16 00-0256	EA		71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	556.69	40.91
			<i>For Tempered Clear Insulated Glass, Add</i>	94.97	
08 52 16 00-0257			40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0258	EA		33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	358.52	31.27
			<i>For Tempered Clear Insulated Glass, Add</i>	59.20	
08 52 16 00-0259	EA		40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	400.56	33.31
			<i>For Tempered Clear Insulated Glass, Add</i>	66.78	
08 52 16 00-0260	EA		48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	444.53	35.65
			<i>For Tempered Clear Insulated Glass, Add</i>	74.64	
08 52 16 00-0261	EA		56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	495.28	38.00
			<i>For Tempered Clear Insulated Glass, Add</i>	83.86	
08 52 16 00-0262	EA		62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	532.95	39.75
			<i>For Tempered Clear Insulated Glass, Add</i>	90.69	
08 52 16 00-0263	EA		71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	689.69	42.38
			<i>For Tempered Clear Insulated Glass, Add</i>	120.99	
08 52 16 00-0264			48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0265	EA		33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	401.82	33.61
			<i>For Tempered Clear Insulated Glass, Add</i>	66.92	
08 52 16 00-0266	EA		40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	444.53	35.65
			<i>For Tempered Clear Insulated Glass, Add</i>	74.64	
08 52 16 00-0267	EA		48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	488.51	38.00
			<i>For Tempered Clear Insulated Glass, Add</i>	82.50	
08 52 16 00-0268	EA		56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	539.25	40.33
			<i>For Tempered Clear Insulated Glass, Add</i>	91.72	
08 52 16 00-0269	EA		62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	575.37	42.08
			<i>For Tempered Clear Insulated Glass, Add</i>	98.24	
08 52 16 00-0270	EA		71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	630.00	44.72
			<i>For Tempered Clear Insulated Glass, Add</i>	108.11	
08 52 16 00-0271			52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0272	EA		33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	430.57	34.78
			<i>For Tempered Clear Insulated Glass, Add</i>	72.20	
08 52 16 00-0273	EA		40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	472.62	36.83
			<i>For Tempered Clear Insulated Glass, Add</i>	79.79	
08 52 16 00-0274	EA		48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	511.56	39.17
			<i>For Tempered Clear Insulated Glass, Add</i>	86.65	
08 52 16 00-0275	EA		56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	567.35	41.50
			<i>For Tempered Clear Insulated Glass, Add</i>	96.87	
08 52 16 00-0276	EA		62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	605.15	43.25
			<i>For Tempered Clear Insulated Glass, Add</i>	103.73	
08 52 16 00-0277	EA		71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	658.77	45.89
			<i>For Tempered Clear Insulated Glass, Add</i>	113.40	
08 52 16 00-0278			59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0279	EA		33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	473.29	36.83
			<i>For Tempered Clear Insulated Glass, Add</i>	79.93	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0280 EA 40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	515.33 87.52	39.17
08 52 16 00-0281 EA 48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	559.30 95.38	41.50
08 52 16 00-0282 EA 56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	610.05 104.59	43.55
08 52 16 00-0283 EA 62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	647.87 111.45	45.30
08 52 16 00-0284 EA 71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	700.80 120.99	47.93
08 52 16 00-0285 64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0286 EA 33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	502.65 85.21	38.29
08 52 16 00-0287 EA 40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	544.67 92.80	40.33
08 52 16 00-0288 EA 48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	589.33 100.80	42.67
08 52 16 00-0289 EA 56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	640.08 110.01	45.01
08 52 16 00-0290 71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0291 EA 33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	545.35 92.94	40.33
08 52 16 00-0292 EA 40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	587.38 100.53	42.67
08 52 16 00-0293 EA 48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	631.36 108.39	45.01
08 52 16 00-0294 EA 56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	682.11 117.60	47.06
08 52 16 00-0295 One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)		
08 52 16 00-0296 24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0297 EA 71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	485.27 81.97	37.70
08 52 16 00-0298 EA 84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	563.41 96.08	41.50
08 52 16 00-0299 28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0300 EA 71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	514.44 87.34	38.87
08 52 16 00-0301 EA 84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	587.55 100.44	42.67
08 52 16 00-0302 35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0303 EA 61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	495.42 83.89	38.00
08 52 16 00-0304 EA 71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	558.05 95.24	40.91
08 52 16 00-0305 EA 84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	635.42 109.20	45.01
08 52 16 00-0306 40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0307 EA 61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	523.38 88.89	39.75
08 52 16 00-0308 EA 71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	588.06 100.66	42.38

08 Openings**08 50 Windows**

08 52 Wood Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0309 EA 84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	664.77 114.48	46.18
08 52 16 00-0310 48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0311 EA 71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	631.36 108.39	44.72
08 52 16 00-0312 EA 84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	708.07 122.21	48.51
08 52 16 00-0313 52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0314 EA 71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	660.12 113.67	45.89
08 52 16 00-0315 EA 84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	736.82 127.49	49.68
08 52 16 00-0316 59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0317 EA 71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	702.15 121.26	47.93
08 52 16 00-0318 EA 84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	779.54 135.22	52.02
08 52 16 00-0319 Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0178) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0320 One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0319)		
08 52 16 00-0321 24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0322 EA 17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	206.40 32.51	22.21
08 52 16 00-0323 EA 20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	218.32 34.54	22.80
08 52 16 00-0324 EA 24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	231.66 36.75	23.97
08 52 16 00-0325 EA 28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	243.98 38.74	25.14
08 52 16 00-0326 28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0327 EA 17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	221.44 35.05	23.38
08 52 16 00-0328 EA 20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	233.35 37.08	23.97
08 52 16 00-0329 EA 24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	246.70 39.29	25.14
08 52 16 00-0330 EA 28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	253.40 40.16	26.30
08 52 16 00-0331 EA 31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	268.80 42.89	27.47
08 52 16 00-0332 35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0333 EA 17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	248.40 39.63	25.14
08 52 16 00-0334 EA 20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	261.16 41.83	26.30
08 52 16 00-0335 EA 24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	274.52 44.03	27.18
08 52 16 00-0336 EA 28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	295.48 47.76	28.35
08 52 16 00-0337 EA 31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	315.41 51.39	29.23



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0338 EA 35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	334.82 55.04	29.81
08 52 16 00-0339 40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0340 EA 17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	266.56 42.67	26.88
08 52 16 00-0341 EA 20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	278.48 44.71	27.47
08 52 16 00-0342 EA 24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	291.83 46.91	28.64
08 52 16 00-0343 EA 28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	322.11 52.50	29.81
08 52 16 00-0344 EA 31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	343.00 56.32	30.98
08 52 16 00-0345 EA 35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	362.62 59.78	32.15
08 52 16 00-0346 48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0347 EA 17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	292.42 46.91	29.23
08 52 16 00-0348 EA 20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	305.18 49.11	29.81
08 52 16 00-0349 EA 24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	318.53 51.31	30.98
08 52 16 00-0350 EA 28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	360.24 59.19	32.15
08 52 16 00-0351 EA 31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	376.62 62.11	33.31
08 52 16 00-0352 EA 35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	401.18 66.56	34.48
08 52 16 00-0353 52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0354 EA 17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	310.00 49.96	30.40
08 52 16 00-0355 EA 20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	321.91 51.99	30.98
08 52 16 00-0356 EA 24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	335.26 54.19	32.15
08 52 16 00-0357 EA 28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	386.73 64.02	33.31
08 52 16 00-0358 EA 31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	411.12 68.55	34.48
08 52 16 00-0359 EA 35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	427.22 71.30	35.65
08 52 16 00-0360 59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0361 EA 17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	335.26 54.19	32.15
08 52 16 00-0362 EA 20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	348.02 56.39	33.31
08 52 16 00-0363 EA 24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	361.37 58.60	34.19
08 52 16 00-0364 EA 28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	424.68 70.79	35.36
08 52 16 00-0365 EA 31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	442.01 73.91	36.24
08 52 16 00-0366 EA 35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	465.20 78.08	37.41
08 52 16 00-0367 64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0368 EA 17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	353.43 57.24	33.90
08 52 16 00-0369 EA 20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	365.35 59.27	34.48
08 52 16 00-0370 EA 24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	378.69 61.48	35.65
08 52 16 00-0371 EA 28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	451.33 75.54	36.83
08 52 16 00-0372 EA 31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	467.45 78.41	38.00

08 Openings

08 50 Windows

08 52 Wood Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0373 EA 35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	491.83 82.82	39.17
08 52 16 00-0374 71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0375 EA 17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	378.69 61.48	35.65
08 52 16 00-0376 EA 20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	391.46 63.68	36.83
08 52 16 00-0377 EA 24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	404.81 65.88	37.70
08 52 16 00-0378 EA 28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	489.29 82.31	38.87
08 52 16 00-0379 EA 31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	509.05 85.91	39.75
08 52 16 00-0380 EA 35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	529.81 89.59	40.91
08 52 16 00-0381 Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0319)		
08 52 16 00-0382 24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0383 EA 40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	368.44 62.23	28.64
08 52 16 00-0384 EA 48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	418.98 71.40	30.98
08 52 16 00-0385 EA 56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	477.50 82.17	33.31
08 52 16 00-0386 28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0387 EA 40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	397.65 67.61	29.81
08 52 16 00-0388 EA 48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	448.20 76.78	32.15
08 52 16 00-0389 EA 56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	506.71 87.55	34.48
08 52 16 00-0390 35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0391 EA 33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	394.05 66.89	29.81
08 52 16 00-0392 EA 40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	445.57 76.37	32.15
08 52 16 00-0393 EA 48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	499.37 86.20	34.48
08 52 16 00-0394 EA 56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	561.64 97.71	36.53
08 52 16 00-0395 EA 62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	603.37 105.36	38.29
08 52 16 00-0396 EA 71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	672.89 118.21	40.91
08 52 16 00-0397 40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0398 EA 33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	430.00 73.49	31.27
08 52 16 00-0399 EA 40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	481.53 82.98	33.31
08 52 16 00-0400 EA 48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	535.32 92.80	35.65
08 52 16 00-0401 EA 56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	597.59 104.32	38.00
08 52 16 00-0402 EA 62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	643.80 112.86	39.75
08 52 16 00-0403 EA 71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	838.41 150.73	42.38
08 52 16 00-0404 48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0405 EA 33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	482.96 83.15	33.61
08 52 16 00-0406 EA 40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	535.32 92.80	35.65



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0407	EA		48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	589.12 102.63	38.00
08 52 16 00-0408	EA		56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	651.38 114.14	40.33
08 52 16 00-0409	EA		62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	695.65 122.30	42.08
08 52 16 00-0410	EA		71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	762.63 134.64	44.72
08 52 16 00-0411			52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0412	EA		33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	518.32 89.75	34.78
08 52 16 00-0413	EA		40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	569.84 99.24	36.83
08 52 16 00-0414	EA		48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	618.61 108.06	39.17
08 52 16 00-0415	EA		56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	685.92 120.58	41.50
08 52 16 00-0416	EA		62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	732.30 129.16	43.25
08 52 16 00-0417	EA		71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	798.00 141.25	45.89
08 52 16 00-0418			59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0419	EA		33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	570.69 99.41	36.83
08 52 16 00-0420	EA		40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	622.21 108.89	39.17
08 52 16 00-0421	EA		48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	676.01 118.72	41.50
08 52 16 00-0422	EA		56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	738.27 130.24	43.55
08 52 16 00-0423	EA		62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	784.67 138.81	45.30
08 52 16 00-0424	EA		71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	849.52 150.73	47.93
08 52 16 00-0425			64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0426	EA		33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	606.65 106.01	38.29
08 52 16 00-0427	EA		40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	658.16 115.50	40.33
08 52 16 00-0428	EA		48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	712.81 125.49	42.67
08 52 16 00-0429	EA		56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	775.08 137.01	45.01
08 52 16 00-0430			71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0431	EA		33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	659.01 115.67	40.33
08 52 16 00-0432	EA		40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	710.52 125.15	42.67
08 52 16 00-0433	EA		48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	764.33 134.98	45.01
08 52 16 00-0434	EA		56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	826.60 146.50	47.06
08 52 16 00-0435			One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0319)</small>		
08 52 16 00-0436			24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0437	EA		71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	586.48 102.21	37.70
08 52 16 00-0438	EA		84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	681.00 119.60	41.50
08 52 16 00-0439			28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		

08 Openings

08 50 Windows

08 52 Wood Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0440 EA 71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	621.10	38.87
<i>For Tempered Low-E Insulated Glass, Add</i>	108.67	
08 52 16 00-0441 EA 84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	710.59	42.67
<i>For Tempered Low-E Insulated Glass, Add</i>	125.05	
08 52 16 00-0442 35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)		
08 52 16 00-0443 EA 61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	597.76	38.00
<i>For Tempered Low-E Insulated Glass, Add</i>	104.35	
08 52 16 00-0444 EA 71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	674.58	40.91
<i>For Tempered Low-E Insulated Glass, Add</i>	118.55	
08 52 16 00-0445 EA 84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	769.41	45.01
<i>For Tempered Low-E Insulated Glass, Add</i>	136.00	
08 52 16 00-0446 40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)		
08 52 16 00-0447 EA 61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	631.99	39.75
<i>For Tempered Low-E Insulated Glass, Add</i>	110.62	
08 52 16 00-0448 EA 71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	711.37	42.38
<i>For Tempered Low-E Insulated Glass, Add</i>	125.32	
08 52 16 00-0449 EA 84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	805.36	46.18
<i>For Tempered Low-E Insulated Glass, Add</i>	142.60	
08 52 16 00-0450 48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)		
08 52 16 00-0451 EA 71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	764.33	44.72
<i>For Tempered Low-E Insulated Glass, Add</i>	134.98	
08 52 16 00-0452 EA 84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	858.31	48.51
<i>For Tempered Low-E Insulated Glass, Add</i>	152.26	
08 52 16 00-0453 52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)		
08 52 16 00-0454 EA 71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	799.70	45.89
<i>For Tempered Low-E Insulated Glass, Add</i>	141.59	
08 52 16 00-0455 EA 84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	893.67	49.68
<i>For Tempered Low-E Insulated Glass, Add</i>	158.86	
08 52 16 00-0456 59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)		
08 52 16 00-0457 EA 71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	851.21	47.93
<i>For Tempered Low-E Insulated Glass, Add</i>	151.07	
08 52 16 00-0458 EA 84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	946.05	52.02
<i>For Tempered Low-E Insulated Glass, Add</i>	168.52	
08 52 16 00-0459 Awning Wood Clad Windows (08 52 16)		
08 52 16 00-0460 Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0459) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0461 Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0460)		
08 52 16 00-0462 17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)		
08 52 16 00-0463 EA 24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	189.46	23.97
<i>For Tempered Clear Insulated Glass, Add</i>	28.31	
08 52 16 00-0464 EA 28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	202.64	25.14
<i>For Tempered Clear Insulated Glass, Add</i>	30.47	
08 52 16 00-0465 EA 31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	213.40	26.01
<i>For Tempered Clear Insulated Glass, Add</i>	32.28	
08 52 16 00-0466 EA 35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	227.07	27.18
<i>For Tempered Clear Insulated Glass, Add</i>	34.54	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0467	EA		40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	242.85 37.11	28.64
08 52 16 00-0468	EA		48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	267.18 41.04	30.98
08 52 16 00-0469	EA		52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	282.39 43.62	32.15
08 52 16 00-0470	EA		59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	304.77 47.28	34.48
08 52 16 00-0471	EA		64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	313.49 48.44	35.65
08 52 16 00-0472	EA		71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	335.65 52.05	37.70
08 52 16 00-0473			20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0474	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	199.67 30.00	25.14
08 52 16 00-0475	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	213.88 32.37	26.30
08 52 16 00-0476	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	223.20 33.88	26.88
08 52 16 00-0477	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	238.29 36.44	28.06
08 52 16 00-0478	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	254.09 39.01	29.81
08 52 16 00-0479	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	277.74 42.81	31.86
08 52 16 00-0480	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	292.95 45.38	33.31
08 52 16 00-0481	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	316.01 49.17	35.07
08 52 16 00-0482	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	323.95 50.18	36.83
08 52 16 00-0483	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	346.76 53.92	38.58
08 52 16 00-0484	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	526.43 88.34	42.67
08 52 16 00-0485			24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0486	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	212.52 32.10	26.30
08 52 16 00-0487	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	225.71 34.27	27.47
08 52 16 00-0488	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	234.72 35.72	28.06
08 52 16 00-0489	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	250.12 38.33	29.23
08 52 16 00-0490	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	265.92 40.91	30.98
08 52 16 00-0491	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	290.24 44.84	33.02
08 52 16 00-0492	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	305.45 47.41	34.48
08 52 16 00-0493	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	328.51 51.21	36.24
08 52 16 00-0494	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	335.65 52.05	38.00
08 52 16 00-0495	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	357.77 55.66	39.75
08 52 16 00-0496	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	553.48 93.28	43.84
08 52 16 00-0497			28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0498	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	212.84 31.69	27.47
08 52 16 00-0499	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	232.78 35.22	28.64
08 52 16 00-0500	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	245.68 37.45	29.23
08 52 16 00-0501	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	269.40 41.72	30.40
08 52 16 00-0502	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	293.32 45.92	32.15
08 52 16 00-0503	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	328.49 52.02	34.19
08 52 16 00-0504	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	351.15 56.09	35.65

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0505	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	385.73	37.41
			<i>For Tempered Clear Insulated Glass, Add</i>	62.18	
08 52 16 00-0506	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	398.86	39.17
			<i>For Tempered Clear Insulated Glass, Add</i>	64.22	
08 52 16 00-0507	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	432.40	40.91
			<i>For Tempered Clear Insulated Glass, Add</i>	70.11	
08 52 16 00-0508	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	568.51	45.01
			<i>For Tempered Clear Insulated Glass, Add</i>	95.82	
08 52 16 00-0509			31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)		
08 52 16 00-0510	EA		28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	245.68	29.23
			<i>For Tempered Clear Insulated Glass, Add</i>	37.45	
08 52 16 00-0511	EA		31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	259.51	30.10
			<i>For Tempered Clear Insulated Glass, Add</i>	39.86	
08 52 16 00-0512	EA		35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	278.50	31.27
			<i>For Tempered Clear Insulated Glass, Add</i>	43.19	
08 52 16 00-0513	EA		40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	299.82	32.74
			<i>For Tempered Clear Insulated Glass, Add</i>	46.87	
08 52 16 00-0514	EA		48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	330.93	35.07
			<i>For Tempered Clear Insulated Glass, Add</i>	52.16	
08 52 16 00-0515	EA		52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	352.23	36.24
			<i>For Tempered Clear Insulated Glass, Add</i>	55.95	
08 52 16 00-0516	EA		59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	382.76	38.58
			<i>For Tempered Clear Insulated Glass, Add</i>	61.24	
08 52 16 00-0517	EA		64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	404.06	39.75
			<i>For Tempered Clear Insulated Glass, Add</i>	64.91	
08 52 16 00-0518	EA		71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	435.17	41.79
			<i>For Tempered Clear Insulated Glass, Add</i>	70.32	
08 52 16 00-0519	EA		84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	605.21	45.60
			<i>For Tempered Clear Insulated Glass, Add</i>	102.80	
08 52 16 00-0520			35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)		
08 52 16 00-0521	EA		31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	278.50	31.27
			<i>For Tempered Clear Insulated Glass, Add</i>	43.19	
08 52 16 00-0522	EA		35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	305.33	32.45
			<i>For Tempered Clear Insulated Glass, Add</i>	48.09	
08 52 16 00-0523	EA		40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	329.26	33.90
			<i>For Tempered Clear Insulated Glass, Add</i>	52.29	
08 52 16 00-0524	EA		48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	364.42	36.24
			<i>For Tempered Clear Insulated Glass, Add</i>	58.39	
08 52 16 00-0525	EA		52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	387.77	37.41
			<i>For Tempered Clear Insulated Glass, Add</i>	62.59	
08 52 16 00-0526	EA		59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	421.67	39.75
			<i>For Tempered Clear Insulated Glass, Add</i>	68.55	
08 52 16 00-0527	EA		64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	371.52	40.91
			<i>For Tempered Clear Insulated Glass, Add</i>	57.94	
08 52 16 00-0528	EA		71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	398.34	42.96
			<i>For Tempered Clear Insulated Glass, Add</i>	62.48	
08 52 16 00-0529			40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)		
08 52 16 00-0530	EA		35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	325.20	33.90
			<i>For Tempered Clear Insulated Glass, Add</i>	51.48	
08 52 16 00-0531	EA		40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	364.70	35.65
			<i>For Tempered Clear Insulated Glass, Add</i>	58.80	
08 52 16 00-0532			48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)		
08 52 16 00-0533	EA		35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	384.75	36.24
			<i>For Tempered Clear Insulated Glass, Add</i>	62.45	
08 52 16 00-0534	EA		40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	424.94	38.00
			<i>For Tempered Clear Insulated Glass, Add</i>	69.91	
08 52 16 00-0535	EA		48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	483.82	40.04
			<i>For Tempered Clear Insulated Glass, Add</i>	80.75	
08 52 16 00-0536			59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)		
08 52 16 00-0537	EA		35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	473.69	39.46
			<i>For Tempered Clear Insulated Glass, Add</i>	78.96	
08 52 16 00-0538	EA		40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	508.98	40.91
			<i>For Tempered Clear Insulated Glass, Add</i>	85.43	
08 52 16 00-0539			71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)		



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0540 EA 24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	516.34 87.37	39.75
08 52 16 00-0541 EA 35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	535.12 89.84	42.96
08 52 16 00-0542 EA 40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	590.69 100.37	44.42
08 52 16 00-0543 EA 48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	647.88 110.87	46.77
08 52 16 00-0544 Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0460)</small>		
08 52 16 00-0545 17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>		
08 52 16 00-0546 EA 24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	168.46 24.11	23.97
08 52 16 00-0547 EA 28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	180.96 26.14	25.14
08 52 16 00-0548 EA 31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	189.26 27.45	26.01
08 52 16 00-0549 EA 35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	202.67 29.66	27.18
08 52 16 00-0550 EA 40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	217.10 31.96	28.64
08 52 16 00-0551 EA 48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	239.40 35.49	30.98
08 52 16 00-0552 EA 52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	252.58 37.66	32.15
08 52 16 00-0553 EA 59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	273.61 41.04	34.48
08 52 16 00-0554 EA 64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	288.05 43.35	35.65
08 52 16 00-0555 EA 71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	309.08 46.73	37.70
08 52 16 00-0556 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>		
08 52 16 00-0557 EA 24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	178.34 25.73	25.14
08 52 16 00-0558 EA 28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	190.84 27.76	26.30
08 52 16 00-0559 EA 31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	198.49 28.94	26.88
08 52 16 00-0560 EA 35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	213.22 31.42	28.06
08 52 16 00-0561 EA 40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	227.67 33.73	29.81
08 52 16 00-0562 EA 48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	249.28 37.11	31.86
08 52 16 00-0563 EA 52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	263.14 39.42	33.31
08 52 16 00-0564 EA 59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	283.49 42.67	35.07
08 52 16 00-0565 EA 64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	298.61 45.11	36.83
08 52 16 00-0566 EA 71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	318.96 48.36	38.58
08 52 16 00-0567 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>		
08 52 16 00-0568 EA 24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	189.48 27.49	26.30
08 52 16 00-0569 EA 28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	202.00 29.53	27.47
08 52 16 00-0570 EA 31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	208.87 30.55	28.06
08 52 16 00-0571 EA 35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	223.69 33.05	29.23
08 52 16 00-0572 EA 40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	238.14 35.35	30.98
08 52 16 00-0573 EA 48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	259.75 38.74	33.02
08 52 16 00-0574 EA 52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	273.61 41.04	34.48
08 52 16 00-0575 EA 59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	294.64 44.43	36.24
08 52 16 00-0576 EA 64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	309.08 46.73	38.00
08 52 16 00-0577 EA 71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	330.10 50.12	39.75

08 Openings

08 50 Windows

08 52 Wood Windows

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0578			28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0544)		
08 52 16 00-0579	EA		24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	191.16	27.47
			<i>For Tempered Clear Insulated Glass, Add</i>	27.36	
08 52 16 00-0580	EA		28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	207.71	28.64
			<i>For Tempered Clear Insulated Glass, Add</i>	30.20	
08 52 16 00-0581	EA		31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	216.95	29.23
			<i>For Tempered Clear Insulated Glass, Add</i>	31.70	
08 52 16 00-0582	EA		35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	226.03	30.40
			<i>For Tempered Clear Insulated Glass, Add</i>	33.05	
08 52 16 00-0583	EA		40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	256.73	32.15
			<i>For Tempered Clear Insulated Glass, Add</i>	38.60	
08 52 16 00-0584	EA		48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	285.13	34.19
			<i>For Tempered Clear Insulated Glass, Add</i>	43.35	
08 52 16 00-0585	EA		52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	303.72	35.65
			<i>For Tempered Clear Insulated Glass, Add</i>	46.60	
08 52 16 00-0586	EA		59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	331.53	37.41
			<i>For Tempered Clear Insulated Glass, Add</i>	51.34	
08 52 16 00-0587	EA		64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	351.39	39.17
			<i>For Tempered Clear Insulated Glass, Add</i>	54.73	
08 52 16 00-0588	EA		71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	379.20	40.91
			<i>For Tempered Clear Insulated Glass, Add</i>	59.47	
08 52 16 00-0589			31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0544)		
08 52 16 00-0590	EA		28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	216.95	29.23
			<i>For Tempered Clear Insulated Glass, Add</i>	31.70	
08 52 16 00-0591	EA		31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	228.48	30.10
			<i>For Tempered Clear Insulated Glass, Add</i>	33.65	
08 52 16 00-0592	EA		35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	244.03	31.27
			<i>For Tempered Clear Insulated Glass, Add</i>	36.30	
08 52 16 00-0593	EA		40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	261.90	32.74
			<i>For Tempered Clear Insulated Glass, Add</i>	39.29	
08 52 16 00-0594	EA		48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	287.83	35.07
			<i>For Tempered Clear Insulated Glass, Add</i>	43.54	
08 52 16 00-0595	EA		52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	305.11	36.24
			<i>For Tempered Clear Insulated Glass, Add</i>	46.53	
08 52 16 00-0596	EA		59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	330.47	38.58
			<i>For Tempered Clear Insulated Glass, Add</i>	50.78	
08 52 16 00-0597	EA		64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	347.75	39.75
			<i>For Tempered Clear Insulated Glass, Add</i>	53.65	
08 52 16 00-0598	EA		71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	373.11	41.79
			<i>For Tempered Clear Insulated Glass, Add</i>	57.90	
08 52 16 00-0599			35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0544)		
08 52 16 00-0600	EA		31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	244.03	31.27
			<i>For Tempered Clear Insulated Glass, Add</i>	36.30	
08 52 16 00-0601	EA		35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	266.71	32.45
			<i>For Tempered Clear Insulated Glass, Add</i>	40.37	
08 52 16 00-0602	EA		40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	285.90	33.90
			<i>For Tempered Clear Insulated Glass, Add</i>	43.62	
08 52 16 00-0603	EA		48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	314.96	36.24
			<i>For Tempered Clear Insulated Glass, Add</i>	48.50	
08 52 16 00-0604	EA		52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	333.56	37.41
			<i>For Tempered Clear Insulated Glass, Add</i>	51.75	
08 52 16 00-0605	EA		59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	361.37	39.75
			<i>For Tempered Clear Insulated Glass, Add</i>	56.49	
08 52 16 00-0606	EA		64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	380.56	40.91
			<i>For Tempered Clear Insulated Glass, Add</i>	59.74	
08 52 16 00-0607	EA		71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	408.35	42.96
			<i>For Tempered Clear Insulated Glass, Add</i>	64.49	
08 52 16 00-0608			Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0459) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0609			Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0608)		
08 52 16 00-0610			17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)		
08 52 16 00-0611	EA		24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	223.00	23.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	35.01	
08 52 16 00-0612	EA		28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	238.89	25.14
			<i>For Tempered Low-E Insulated Glass, Add</i>	37.72	
08 52 16 00-0613	EA		31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	251.89	26.01
			<i>For Tempered Low-E Insulated Glass, Add</i>	39.97	
08 52 16 00-0614	EA		35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	268.40	27.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	42.81	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0615	EA		40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	287.40 46.02	28.64
08 52 16 00-0616	EA		48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	316.64 50.94	30.98
08 52 16 00-0617	EA		52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	335.07 54.15	32.15
08 52 16 00-0618	EA		59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	362.03 58.73	34.48
08 52 16 00-0619	EA		64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	372.19 60.18	35.65
08 52 16 00-0620	EA		71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	398.87 64.69	37.70
08 52 16 00-0621			20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0622	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	235.33 37.13	25.14
08 52 16 00-0623	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	252.50 40.10	26.30
08 52 16 00-0624	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	263.71 41.99	26.88
08 52 16 00-0625	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	281.99 45.18	28.06
08 52 16 00-0626	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	301.01 48.39	29.81
08 52 16 00-0627	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	329.40 53.14	31.86
08 52 16 00-0628	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	347.83 56.36	33.31
08 52 16 00-0629	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	375.63 61.10	35.07
08 52 16 00-0630	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	384.83 62.35	36.83
08 52 16 00-0631	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	412.32 67.03	38.58
08 52 16 00-0632	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	635.01 110.05	42.67
08 52 16 00-0633			24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0634	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	250.80 39.76	26.30
08 52 16 00-0635	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	266.70 42.47	27.47
08 52 16 00-0636	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	277.53 44.28	28.06
08 52 16 00-0637	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	296.19 47.55	29.23
08 52 16 00-0638	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	315.21 50.77	30.98
08 52 16 00-0639	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	344.44 55.68	33.02
08 52 16 00-0640	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	362.87 58.90	34.48
08 52 16 00-0641	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	390.68 63.64	36.24
08 52 16 00-0642	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	398.87 64.69	38.00
08 52 16 00-0643	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	425.50 69.20	39.75
08 52 16 00-0644	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	668.23 116.23	43.84
08 52 16 00-0645			28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0646	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	250.61 39.25	27.47
08 52 16 00-0647	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	274.96 43.65	28.64
08 52 16 00-0648	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	290.65 46.44	29.23
08 52 16 00-0649	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	319.70 51.78	30.40
08 52 16 00-0650	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	348.88 57.03	32.15
08 52 16 00-0651	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	391.67 64.66	34.19
08 52 16 00-0652	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	419.41 69.74	35.65

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0653	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	461.62 77.36	37.41
08 52 16 00-0654	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	477.30 79.91	39.17
08 52 16 00-0655	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	591.95 102.02	40.91
08 52 16 00-0656	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	686.44 119.40	45.01
08 52 16 00-0657			31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)		
08 52 16 00-0658	EA		28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	290.65 46.44	29.23
08 52 16 00-0659	EA		31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	307.49 49.46	30.10
08 52 16 00-0660	EA		35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	330.65 53.62	31.27
08 52 16 00-0661	EA		40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	356.57 58.22	32.74
08 52 16 00-0662	EA		48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	394.28 64.83	35.07
08 52 16 00-0663	EA		52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	420.32 69.57	36.24
08 52 16 00-0664	EA		59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	457.46 76.18	38.58
08 52 16 00-0665	EA		64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	483.36 80.77	39.75
08 52 16 00-0666	EA		71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	521.22 87.53	41.79
08 52 16 00-0667	EA		84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	731.87 128.14	45.60
08 52 16 00-0668			35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)		
08 52 16 00-0669	EA		31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	330.65 53.62	31.27
08 52 16 00-0670	EA		35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	363.60 59.74	32.45
08 52 16 00-0671	EA		40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	392.78 64.99	33.90
08 52 16 00-0672	EA		48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	435.57 72.62	36.24
08 52 16 00-0673	EA		52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	464.16 77.87	37.41
08 52 16 00-0674	EA		59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	505.51 85.32	39.75
08 52 16 00-0675	EA		64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	442.10 72.05	40.91
08 52 16 00-0676	EA		71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	474.61 77.74	42.96
08 52 16 00-0677			40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)		
08 52 16 00-0678	EA		35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	384.77 63.98	33.90
08 52 16 00-0679	EA		40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	438.11 73.13	36.24
08 52 16 00-0680			48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)		
08 52 16 00-0681	EA		35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	460.97 77.70	36.24
08 52 16 00-0682	EA		40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	510.48 87.01	38.00
08 52 16 00-0683	EA		48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	582.91 100.57	40.04
08 52 16 00-0684			59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)		
08 52 16 00-0685	EA		35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	570.55 98.33	39.46
08 52 16 00-0686	EA		40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	613.92 106.42	40.91
08 52 16 00-0687			71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)		



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0688 EA 24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	623.71 <i>108.84</i>	39.75
08 52 16 00-0689 EA 35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	645.58 <i>111.93</i>	42.96
08 52 16 00-0690 EA 40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	714.31 <i>125.09</i>	44.42
08 52 16 00-0691 EA 48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	784.62 <i>138.22</i>	46.77
08 52 16 00-0692 Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0608)</small>		
08 52 16 00-0693 17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0694 EA 24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	196.74 <i>29.76</i>	23.97
08 52 16 00-0695 EA 28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	211.79 <i>32.30</i>	25.14
08 52 16 00-0696 EA 31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	221.73 <i>33.94</i>	26.01
08 52 16 00-0697 EA 35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	237.91 <i>36.71</i>	27.18
08 52 16 00-0698 EA 40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	255.21 <i>39.59</i>	28.64
08 52 16 00-0699 EA 48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	281.91 <i>43.99</i>	30.98
08 52 16 00-0700 EA 52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	297.81 <i>46.70</i>	32.15
08 52 16 00-0701 EA 59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	323.07 <i>50.94</i>	34.48
08 52 16 00-0702 EA 64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	340.39 <i>53.82</i>	35.65
08 52 16 00-0703 EA 71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	365.66 <i>58.05</i>	37.70
08 52 16 00-0704 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0705 EA 24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	208.66 <i>31.80</i>	25.14
08 52 16 00-0706 EA 28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	223.70 <i>34.34</i>	26.30
08 52 16 00-0707 EA 31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	232.82 <i>35.81</i>	26.88
08 52 16 00-0708 EA 35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	250.66 <i>38.91</i>	28.06
08 52 16 00-0709 EA 40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	267.98 <i>41.79</i>	29.81
08 52 16 00-0710 EA 48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	293.83 <i>46.02</i>	31.86
08 52 16 00-0711 EA 52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	310.57 <i>48.90</i>	33.31
08 52 16 00-0712 EA 59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	334.98 <i>52.97</i>	35.07
08 52 16 00-0713 EA 64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	353.16 <i>56.02</i>	36.83
08 52 16 00-0714 EA 71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	377.56 <i>60.08</i>	38.58
08 52 16 00-0715 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0716 EA 24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	222.01 <i>34.00</i>	26.30
08 52 16 00-0717 EA 28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	237.06 <i>36.54</i>	27.47
08 52 16 00-0718 EA 31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	245.21 <i>37.82</i>	28.06
08 52 16 00-0719 EA 35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	263.16 <i>40.94</i>	29.23
08 52 16 00-0720 EA 40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	280.49 <i>43.82</i>	30.98
08 52 16 00-0721 EA 48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	306.33 <i>48.06</i>	33.02
08 52 16 00-0722 EA 52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	323.07 <i>50.94</i>	34.48
08 52 16 00-0723 EA 59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	348.33 <i>55.17</i>	36.24
08 52 16 00-0724 EA 64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	365.66 <i>58.05</i>	38.00
08 52 16 00-0725 EA 71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	390.91 <i>62.28</i>	39.75

08 Openings**08 50 Windows**

08 52 Wood Windows



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 52 16 00-0726		28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>			
08 52 16 00-0727	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	223.51 33.83		27.47
08 52 16 00-0728	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	243.62 37.38		28.64
08 52 16 00-0729	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	254.73 39.26		29.23
08 52 16 00-0730	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	265.50 40.94		30.40
08 52 16 00-0731	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	303.14 47.89		32.15
08 52 16 00-0732	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	337.47 53.82		34.19
08 52 16 00-0733	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	360.12 57.88		35.65
08 52 16 00-0734	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	393.87 63.81		37.41
08 52 16 00-0735	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	417.96 68.04		39.17
08 52 16 00-0736	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	451.70 73.97		40.91
08 52 16 00-0737		31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>			
08 52 16 00-0738	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	254.73 39.26		29.23
08 52 16 00-0739	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	268.70 41.70		30.10
08 52 16 00-0740	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	287.55 45.00		31.27
08 52 16 00-0741	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	309.16 48.74		32.74
08 52 16 00-0742	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	340.41 54.05		35.07
08 52 16 00-0743	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	361.42 57.79		36.24
08 52 16 00-0744	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	392.10 63.10		38.58
08 52 16 00-0745	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	412.97 66.70		39.75
08 52 16 00-0746	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	443.64 72.01		41.79
08 52 16 00-0747		35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>			
08 52 16 00-0748	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	287.55 45.00		31.27
08 52 16 00-0749	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	315.32 50.09		32.45
08 52 16 00-0750	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	338.58 54.15		33.90
08 52 16 00-0751	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	373.74 60.25		36.24
08 52 16 00-0752	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	396.41 64.32		37.41
08 52 16 00-0753	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	430.14 70.25		39.75
08 52 16 00-0754	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	453.39 74.31		40.91
08 52 16 00-0755	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	487.12 80.24		42.96
08 52 16 00-0756		Horizontal Sliding Wood Clad Windows <small>(08 52 16)</small>			
08 52 16 00-0757		One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0756)</small>			
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.			
08 52 16 00-0758		17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>			
08 52 16 00-0759	EA	47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	235.31 34.79		30.98
08 52 16 00-0760		23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>			



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0761 EA 35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	216.75	28.64
For Tempered Clear Insulated Glass, Add	31.78	
08 52 16 00-0762 EA 47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	253.03	32.74
For Tempered Clear Insulated Glass, Add	37.63	
08 52 16 00-0763 35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0764 EA 35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	253.03	32.74
For Tempered Clear Insulated Glass, Add	37.63	
08 52 16 00-0765 EA 47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	289.30	36.24
For Tempered Clear Insulated Glass, Add	43.48	
08 52 16 00-0766 EA 59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	325.59	39.46
For Tempered Clear Insulated Glass, Add	49.34	
08 52 16 00-0767 EA 71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	361.87	42.96
For Tempered Clear Insulated Glass, Add	55.19	
08 52 16 00-0768 41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0769 EA 35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	271.59	34.48
For Tempered Clear Insulated Glass, Add	40.64	
08 52 16 00-0770 EA 47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	307.04	38.00
For Tempered Clear Insulated Glass, Add	46.33	
08 52 16 00-0771 EA 59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	343.32	41.21
For Tempered Clear Insulated Glass, Add	52.18	
08 52 16 00-0772 EA 71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	408.86	44.72
For Tempered Clear Insulated Glass, Add	63.89	
08 52 16 00-0773 47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0774 EA 35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	289.30	36.24
For Tempered Clear Insulated Glass, Add	43.48	
08 52 16 00-0775 EA 47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	325.59	39.75
For Tempered Clear Insulated Glass, Add	49.34	
08 52 16 00-0776 EA 59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	361.87	42.96
For Tempered Clear Insulated Glass, Add	55.19	
08 52 16 00-0777 EA 71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	398.16	46.47
For Tempered Clear Insulated Glass, Add	61.04	
08 52 16 00-0778 53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0779 EA 47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	343.32	41.50
For Tempered Clear Insulated Glass, Add	52.18	
08 52 16 00-0780 EA 59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	379.59	44.72
For Tempered Clear Insulated Glass, Add	58.03	
08 52 16 00-0781 EA 71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	415.88	48.22
For Tempered Clear Insulated Glass, Add	63.89	
08 52 16 00-0782 59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0783 EA 47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	361.87	43.25
For Tempered Clear Insulated Glass, Add	55.19	
08 52 16 00-0784 EA 59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	398.16	46.47
For Tempered Clear Insulated Glass, Add	61.04	
08 52 16 00-0785 EA 71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	434.50	49.98
For Tempered Clear Insulated Glass, Add	66.91	
08 52 16 00-0786 Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0756)		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0787 22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0788 EA 35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	510.17	28.64
For Tempered Low-E Insulated Glass, Add	90.46	
08 52 16 00-0789 EA 47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	606.66	32.74
For Tempered Low-E Insulated Glass, Add	108.36	
08 52 16 00-0790 35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0791 EA 35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	614.18	32.74
For Tempered Low-E Insulated Glass, Add	109.86	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0792	EA		47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	711.50	36.24
			<i>For Tempered Low-E Insulated Glass, Add</i>	127.92	
08 52 16 00-0793	EA		59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	808.00	39.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	145.82	
08 52 16 00-0794	EA		71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	904.48	42.96
			<i>For Tempered Low-E Insulated Glass, Add</i>	163.71	
08 52 16 00-0795			41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0795)		
08 52 16 00-0796	EA		35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	662.85	34.48
			<i>For Tempered Low-E Insulated Glass, Add</i>	118.89	
08 52 16 00-0797	EA		47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	759.34	38.00
			<i>For Tempered Low-E Insulated Glass, Add</i>	136.79	
08 52 16 00-0798	EA		59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	856.66	41.21
			<i>For Tempered Low-E Insulated Glass, Add</i>	154.85	
08 52 16 00-0799	EA		71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	953.15	44.72
			<i>For Tempered Low-E Insulated Glass, Add</i>	172.74	
08 52 16 00-0800			47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0795)		
08 52 16 00-0801	EA		35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	711.50	36.24
			<i>For Tempered Low-E Insulated Glass, Add</i>	127.92	
08 52 16 00-0802	EA		47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	808.00	39.75
			<i>For Tempered Low-E Insulated Glass, Add</i>	145.82	
08 52 16 00-0803	EA		59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	904.48	42.96
			<i>For Tempered Low-E Insulated Glass, Add</i>	163.71	
08 52 16 00-0804	EA		71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,001.81	46.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	181.77	
08 52 16 00-0805			59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0795)		
08 52 16 00-0806	EA		35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	808.00	39.75
			<i>For Tempered Low-E Insulated Glass, Add</i>	145.82	
08 52 16 00-0807	EA		47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	904.48	43.25
			<i>For Tempered Low-E Insulated Glass, Add</i>	163.71	
08 52 16 00-0808	EA		59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,001.81	46.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	181.77	
08 52 16 00-0809	EA		71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,098.30	49.98
			<i>For Tempered Low-E Insulated Glass, Add</i>	199.67	
08 52 16 00-0810			Picture Wood Clad Windows (08 52 16)		
08 52 16 00-0811			Picture Wood Clad Windows For Awning And Casement Windows (08 52 16 00-0810)		
08 52 16 00-0812			Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0811)		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0813			12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0814	EA		40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	184.75	23.38
			<i>For Tempered Clear Insulated Glass, Add</i>	27.60	
08 52 16 00-0815	EA		48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	215.56	25.71
			<i>For Tempered Clear Insulated Glass, Add</i>	32.82	
08 52 16 00-0816	EA		52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	228.84	26.88
			<i>For Tempered Clear Insulated Glass, Add</i>	35.01	
08 52 16 00-0817	EA		59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	248.13	29.23
			<i>For Tempered Clear Insulated Glass, Add</i>	38.05	
08 52 16 00-0818	EA		64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	261.38	30.40
			<i>For Tempered Clear Insulated Glass, Add</i>	40.12	
08 52 16 00-0819	EA		71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	280.67	32.74
			<i>For Tempered Clear Insulated Glass, Add</i>	43.16	
08 52 16 00-0820			35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0821	EA		35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	206.14	28.64
			<i>For Tempered Clear Insulated Glass, Add</i>	29.77	
08 52 16 00-0822	EA		40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	237.20	30.40
			<i>For Tempered Clear Insulated Glass, Add</i>	35.40	
08 52 16 00-0823	EA		48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	283.03	32.45
			<i>For Tempered Clear Insulated Glass, Add</i>	43.63	
08 52 16 00-0824	EA		52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	312.81	33.61
			<i>For Tempered Clear Insulated Glass, Add</i>	49.12	
08 52 16 00-0825	EA		59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	357.38	35.65
			<i>For Tempered Clear Insulated Glass, Add</i>	57.21	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0826	EA		64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	388.43	37.12
			<i>For Tempered Clear Insulated Glass, Add</i>	62.84	
08 52 16 00-0827	EA		71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	570.19	39.17
			<i>For Tempered Clear Insulated Glass, Add</i>	98.37	
08 52 16 00-0828			40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0829	EA		35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	237.20	30.40
			<i>For Tempered Clear Insulated Glass, Add</i>	35.40	
08 52 16 00-0830	EA		40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	268.24	31.57
			<i>For Tempered Clear Insulated Glass, Add</i>	41.02	
08 52 16 00-0831	EA		48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	314.09	33.90
			<i>For Tempered Clear Insulated Glass, Add</i>	49.26	
08 52 16 00-0832	EA		52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	343.86	35.07
			<i>For Tempered Clear Insulated Glass, Add</i>	54.74	
08 52 16 00-0833	EA		59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	388.43	37.41
			<i>For Tempered Clear Insulated Glass, Add</i>	62.84	
08 52 16 00-0834	EA		64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	419.47	38.58
			<i>For Tempered Clear Insulated Glass, Add</i>	68.46	
08 52 16 00-0835	EA		71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	464.04	40.91
			<i>For Tempered Clear Insulated Glass, Add</i>	76.56	
08 52 16 00-0836			48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0837	EA		35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	283.03	32.74
			<i>For Tempered Clear Insulated Glass, Add</i>	43.63	
08 52 16 00-0838	EA		40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	314.09	33.90
			<i>For Tempered Clear Insulated Glass, Add</i>	49.26	
08 52 16 00-0839	EA		48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	359.92	36.24
			<i>For Tempered Clear Insulated Glass, Add</i>	57.49	
08 52 16 00-0840	EA		52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	389.70	37.41
			<i>For Tempered Clear Insulated Glass, Add</i>	62.98	
08 52 16 00-0841	EA		59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	434.26	39.75
			<i>For Tempered Clear Insulated Glass, Add</i>	71.07	
08 52 16 00-0842	EA		64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	465.32	40.91
			<i>For Tempered Clear Insulated Glass, Add</i>	76.70	
08 52 16 00-0843	EA		71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	509.87	43.25
			<i>For Tempered Clear Insulated Glass, Add</i>	84.79	
08 52 16 00-0844			52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0845	EA		35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	312.81	33.90
			<i>For Tempered Clear Insulated Glass, Add</i>	49.12	
08 52 16 00-0846	EA		40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	343.86	35.07
			<i>For Tempered Clear Insulated Glass, Add</i>	54.74	
08 52 16 00-0847	EA		48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	389.70	37.41
			<i>For Tempered Clear Insulated Glass, Add</i>	62.98	
08 52 16 00-0848	EA		52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	419.47	38.58
			<i>For Tempered Clear Insulated Glass, Add</i>	68.46	
08 52 16 00-0849	EA		59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	464.04	40.91
			<i>For Tempered Clear Insulated Glass, Add</i>	76.56	
08 52 16 00-0850	EA		64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	495.09	42.08
			<i>For Tempered Clear Insulated Glass, Add</i>	82.18	
08 52 16 00-0851	EA		71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	580.13	44.42
			<i>For Tempered Clear Insulated Glass, Add</i>	98.37	
08 52 16 00-0852			59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0853	EA		35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	357.38	35.65
			<i>For Tempered Clear Insulated Glass, Add</i>	57.21	
08 52 16 00-0854	EA		40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	388.43	37.41
			<i>For Tempered Clear Insulated Glass, Add</i>	62.84	
08 52 16 00-0855	EA		48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	434.26	39.46
			<i>For Tempered Clear Insulated Glass, Add</i>	71.07	
08 52 16 00-0856	EA		52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	464.04	40.62
			<i>For Tempered Clear Insulated Glass, Add</i>	76.56	
08 52 16 00-0857	EA		59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	508.61	42.67
			<i>For Tempered Clear Insulated Glass, Add</i>	84.65	
08 52 16 00-0858	EA		64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	539.66	44.13
			<i>For Tempered Clear Insulated Glass, Add</i>	90.28	
08 52 16 00-0859	EA		71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	584.22	46.18
			<i>For Tempered Clear Insulated Glass, Add</i>	98.37	
08 52 16 00-0860			64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0861 EA 35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	388.43	37.41
For Tempered Clear Insulated Glass, Add	62.84	
08 52 16 00-0862 EA 40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	419.47	38.58
For Tempered Clear Insulated Glass, Add	68.46	
08 52 16 00-0863 EA 48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	465.32	40.91
For Tempered Clear Insulated Glass, Add	76.70	
08 52 16 00-0864 EA 52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	495.09	42.08
For Tempered Clear Insulated Glass, Add	82.18	
08 52 16 00-0865 EA 59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	580.13	44.42
For Tempered Clear Insulated Glass, Add	98.37	
08 52 16 00-0866 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0867 EA 35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	432.99	39.17
For Tempered Clear Insulated Glass, Add	70.93	
08 52 16 00-0868 EA 40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	464.04	40.91
For Tempered Clear Insulated Glass, Add	76.56	
08 52 16 00-0869 EA 48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	509.87	42.96
For Tempered Clear Insulated Glass, Add	84.79	
08 52 16 00-0870 EA 52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	539.66	44.13
For Tempered Clear Insulated Glass, Add	90.28	
08 52 16 00-0871 EA 59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	584.22	46.18
For Tempered Clear Insulated Glass, Add	98.37	
08 52 16 00-0872 Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0811)		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0873 12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0874 EA 40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	217.12	23.38
For Tempered Low-E Insulated Glass, Add	34.07	
08 52 16 00-0875 EA 48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	254.06	25.71
For Tempered Low-E Insulated Glass, Add	40.52	
08 52 16 00-0876 EA 52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	269.91	26.88
For Tempered Low-E Insulated Glass, Add	43.23	
08 52 16 00-0877 EA 59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	292.76	29.23
For Tempered Low-E Insulated Glass, Add	46.98	
08 52 16 00-0878 EA 64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	308.44	30.40
For Tempered Low-E Insulated Glass, Add	49.53	
08 52 16 00-0879 EA 71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	331.29	32.74
For Tempered Low-E Insulated Glass, Add	53.28	
08 52 16 00-0880 35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0881 EA 35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	241.06	28.64
For Tempered Low-E Insulated Glass, Add	36.76	
08 52 16 00-0882 EA 40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	278.72	30.40
For Tempered Low-E Insulated Glass, Add	43.70	
08 52 16 00-0883 EA 48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	334.20	32.45
For Tempered Low-E Insulated Glass, Add	53.86	
08 52 16 00-0884 EA 52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	370.42	33.61
For Tempered Low-E Insulated Glass, Add	60.64	
08 52 16 00-0885 EA 59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	424.48	35.65
For Tempered Low-E Insulated Glass, Add	70.63	
08 52 16 00-0886 EA 64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	462.13	37.12
For Tempered Low-E Insulated Glass, Add	77.58	
08 52 16 00-0887 EA 71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	685.57	39.17
For Tempered Low-E Insulated Glass, Add	121.45	
08 52 16 00-0888 40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0889 EA 35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	278.72	30.40
For Tempered Low-E Insulated Glass, Add	43.70	
08 52 16 00-0890 EA 40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	316.35	31.57
For Tempered Low-E Insulated Glass, Add	50.65	
08 52 16 00-0891 EA 48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	371.86	33.90
For Tempered Low-E Insulated Glass, Add	60.81	
08 52 16 00-0892 EA 52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	408.06	35.07
For Tempered Low-E Insulated Glass, Add	67.58	
08 52 16 00-0893 EA 59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	462.13	37.41
For Tempered Low-E Insulated Glass, Add	77.58	
08 52 16 00-0894 EA 64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	499.77	38.58
For Tempered Low-E Insulated Glass, Add	84.52	
08 52 16 00-0895 EA 71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	553.84	40.91
For Tempered Low-E Insulated Glass, Add	94.52	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0896 48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0897 EA 35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	334.20	32.74
For Tempered Low-E Insulated Glass, Add	53.86	
08 52 16 00-0898 EA 40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	371.86	33.90
For Tempered Low-E Insulated Glass, Add	60.81	
08 52 16 00-0899 EA 48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	427.34	36.24
For Tempered Low-E Insulated Glass, Add	70.97	
08 52 16 00-0900 EA 52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	463.56	37.41
For Tempered Low-E Insulated Glass, Add	77.75	
08 52 16 00-0901 EA 59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	517.62	39.75
For Tempered Low-E Insulated Glass, Add	87.74	
08 52 16 00-0902 EA 64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	555.27	40.91
For Tempered Low-E Insulated Glass, Add	94.69	
08 52 16 00-0903 EA 71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	609.32	43.25
For Tempered Low-E Insulated Glass, Add	104.68	
08 52 16 00-0904 52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0905 EA 35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	370.42	33.90
For Tempered Low-E Insulated Glass, Add	60.64	
08 52 16 00-0906 EA 40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	408.06	35.07
For Tempered Low-E Insulated Glass, Add	67.58	
08 52 16 00-0907 EA 48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	463.56	37.41
For Tempered Low-E Insulated Glass, Add	77.75	
08 52 16 00-0908 EA 52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	499.77	38.58
For Tempered Low-E Insulated Glass, Add	84.52	
08 52 16 00-0909 EA 59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	553.84	40.91
For Tempered Low-E Insulated Glass, Add	94.52	
08 52 16 00-0910 EA 64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	591.48	42.08
For Tempered Low-E Insulated Glass, Add	101.46	
08 52 16 00-0911 EA 71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	695.51	44.42
For Tempered Low-E Insulated Glass, Add	121.45	
08 52 16 00-0912 59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0913 EA 35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	424.48	35.65
For Tempered Low-E Insulated Glass, Add	70.63	
08 52 16 00-0914 EA 40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	462.13	37.41
For Tempered Low-E Insulated Glass, Add	77.58	
08 52 16 00-0915 EA 48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	517.62	39.46
For Tempered Low-E Insulated Glass, Add	87.74	
08 52 16 00-0916 EA 52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	553.84	40.62
For Tempered Low-E Insulated Glass, Add	94.52	
08 52 16 00-0917 EA 59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	607.89	42.67
For Tempered Low-E Insulated Glass, Add	104.51	
08 52 16 00-0918 EA 64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	645.54	44.13
For Tempered Low-E Insulated Glass, Add	111.46	
08 52 16 00-0919 EA 71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	699.60	46.18
For Tempered Low-E Insulated Glass, Add	121.45	
08 52 16 00-0920 64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0921 EA 35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	462.13	37.41
For Tempered Low-E Insulated Glass, Add	77.58	
08 52 16 00-0922 EA 40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	499.77	38.58
For Tempered Low-E Insulated Glass, Add	84.52	
08 52 16 00-0923 EA 48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	555.27	40.91
For Tempered Low-E Insulated Glass, Add	94.69	
08 52 16 00-0924 EA 52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	591.48	42.08
For Tempered Low-E Insulated Glass, Add	101.46	
08 52 16 00-0925 EA 59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	695.51	44.42
For Tempered Low-E Insulated Glass, Add	121.45	
08 52 16 00-0926 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0927 EA 35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	516.18	39.17
For Tempered Low-E Insulated Glass, Add	87.57	
08 52 16 00-0928 EA 40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	553.84	40.91
For Tempered Low-E Insulated Glass, Add	94.52	
08 52 16 00-0929 EA 48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	609.32	42.96
For Tempered Low-E Insulated Glass, Add	104.68	
08 52 16 00-0930 EA 52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	645.54	44.13
For Tempered Low-E Insulated Glass, Add	111.46	

08 Openings**08 50 Windows**

08 52 Wood Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0931 EA 59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	699.60 121.45	46.18
08 52 16 00-0932 Picture Wood Clad Windows For Double Hung Windows (08 52 16 00-0810)		
08 52 16 00-0933 Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0932) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0934 35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0935 EA 56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	264.43 38.27	36.53
08 52 16 00-0936 EA 59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	271.44 39.32	37.41
08 52 16 00-0937 47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0938 EA 47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	271.44 39.32	37.41
08 52 16 00-0939 EA 71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	328.99 48.03	44.42
08 52 16 00-0940 53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0941 EA 56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	307.97 44.88	41.79
08 52 16 00-0942 EA 59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	314.98 45.93	42.67
08 52 16 00-0943 56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0944 EA 35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	264.43 38.27	36.83
08 52 16 00-0945 EA 53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	307.97 44.88	41.79
08 52 16 00-0946 59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0947 EA 35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	271.44 39.32	37.41
08 52 16 00-0948 EA 53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	314.98 45.93	42.67
08 52 16 00-0949 EA 59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	328.99 48.03	44.42
08 52 16 00-0950 EA 65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	343.75 50.28	46.18
08 52 16 00-0951 65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0952 EA 59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	343.75 50.28	46.18
08 52 16 00-0953 71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0954 EA 47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	328.99 48.03	44.42
08 52 16 00-0955 Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0932) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0956 48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0957 EA 12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	289.83 46.98	27.47
08 52 16 00-0958 EA 37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	403.50 66.79	35.07
08 52 16 00-0959 EA 41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	420.85 69.79	35.95



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0960	EA		47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	446.88 74.29	37.70
08 52 16 00-0961	EA		51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	464.22 77.30	39.17
08 52 16 00-0962	EA		59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	499.67 83.45	41.21
08 52 16 00-0963	EA		67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	535.10 89.60	43.84
08 52 16 00-0964			52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0965	EA		12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	307.93 50.13	28.64
08 52 16 00-0966	EA		37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	420.85 69.79	36.24
08 52 16 00-0967	EA		41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	438.95 72.94	37.12
08 52 16 00-0968	EA		47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	464.22 77.30	38.87
08 52 16 00-0969	EA		51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	482.32 80.45	40.33
08 52 16 00-0970	EA		59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	517.75 86.60	42.38
08 52 16 00-0971	EA		67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	553.20 92.75	45.01
08 52 16 00-0972			56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0973	EA		12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	325.28 53.13	29.81
08 52 16 00-0974	EA		37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	438.95 72.94	37.41
08 52 16 00-0975	EA		41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	456.30 75.94	38.29
08 52 16 00-0976	EA		47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	482.32 80.45	40.04
08 52 16 00-0977	EA		51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	499.67 83.45	41.50
08 52 16 00-0978	EA		59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	535.10 89.60	43.55
08 52 16 00-0979	EA		67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	571.30 95.91	46.18
08 52 16 00-0980			60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0981	EA		12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	343.38 56.28	30.98
08 52 16 00-0982	EA		37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	456.30 75.94	38.58
08 52 16 00-0983	EA		41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	474.39 79.10	39.46
08 52 16 00-0984	EA		47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	499.67 83.45	41.21
08 52 16 00-0985	EA		51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	517.75 86.60	42.67
08 52 16 00-0986	EA		59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	553.20 92.75	44.72
08 52 16 00-0987	EA		67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	588.65 98.91	47.35
08 52 16 00-0988			64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0989	EA		12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	360.72 59.28	32.15
08 52 16 00-0990	EA		37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	474.39 79.10	39.75
08 52 16 00-0991	EA		41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	492.49 82.25	40.62
08 52 16 00-0992	EA		47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	517.75 86.60	42.38
08 52 16 00-0993	EA		51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	535.10 89.60	43.84
08 52 16 00-0994	EA		59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	571.30 95.91	45.89
08 52 16 00-0995	EA		67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	606.75 102.06	48.51

08 Openings

08 50 Windows

08 52 Wood Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0996 68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small>		
08 52 16 00-0997 EA 12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	378.82	33.31
<i>For Tempered Low-E Insulated Glass, Add</i>	62.44	
08 52 16 00-0998 EA 37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	492.49	40.91
<i>For Tempered Low-E Insulated Glass, Add</i>	82.25	
08 52 16 00-0999 EA 41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	509.84	41.79
<i>For Tempered Low-E Insulated Glass, Add</i>	85.25	
08 52 16 00-1000 EA 47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	535.10	43.55
<i>For Tempered Low-E Insulated Glass, Add</i>	89.60	
08 52 16 00-1001 EA 51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	553.20	45.01
<i>For Tempered Low-E Insulated Glass, Add</i>	92.75	
08 52 16 00-1002 EA 59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	588.65	47.06
<i>For Tempered Low-E Insulated Glass, Add</i>	98.91	
08 52 16 00-1003 EA 67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	624.09	49.68
<i>For Tempered Low-E Insulated Glass, Add</i>	105.06	
08 52 16 00-1004 72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small>		
08 52 16 00-1005 EA 12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	396.17	34.48
<i>For Tempered Low-E Insulated Glass, Add</i>	65.44	
08 52 16 00-1006 EA 37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	509.84	42.08
<i>For Tempered Low-E Insulated Glass, Add</i>	85.25	
08 52 16 00-1007 EA 41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	527.93	42.96
<i>For Tempered Low-E Insulated Glass, Add</i>	88.40	
08 52 16 00-1008 EA 47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	553.20	44.72
<i>For Tempered Low-E Insulated Glass, Add</i>	92.75	
08 52 16 00-1009 EA 51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	571.30	46.18
<i>For Tempered Low-E Insulated Glass, Add</i>	95.91	
08 52 16 00-1010 EA 59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	606.75	48.22
<i>For Tempered Low-E Insulated Glass, Add</i>	102.06	
08 52 16 00-1011 EA 67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	642.19	50.85
<i>For Tempered Low-E Insulated Glass, Add</i>	108.21	
08 52 16 00-1012 76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small>		
08 52 16 00-1013 EA 12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	414.26	35.65
<i>For Tempered Low-E Insulated Glass, Add</i>	68.59	
08 52 16 00-1014 EA 37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	527.93	43.25
<i>For Tempered Low-E Insulated Glass, Add</i>	88.40	
08 52 16 00-1015 EA 41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	545.28	44.13
<i>For Tempered Low-E Insulated Glass, Add</i>	91.40	
08 52 16 00-1016 EA 47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	571.30	45.89
<i>For Tempered Low-E Insulated Glass, Add</i>	95.91	
08 52 16 00-1017 EA 51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	588.65	47.35
<i>For Tempered Low-E Insulated Glass, Add</i>	98.91	
08 52 16 00-1018 EA 59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	624.09	49.39
<i>For Tempered Low-E Insulated Glass, Add</i>	105.06	
08 52 16 00-1019 EA 67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	659.54	52.02
<i>For Tempered Low-E Insulated Glass, Add</i>	111.22	
08 52 16 00-1020 Picture Wood Clad Windows For Horizontal Sliding Windows <small>(08 52 16 00-0810)</small>		
08 52 16 00-1021 Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1020)</small>		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1022 35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1023 EA 56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	264.43	36.53
<i>For Tempered Clear Insulated Glass, Add</i>	38.27	
08 52 16 00-1024 EA 59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	271.44	37.41
<i>For Tempered Clear Insulated Glass, Add</i>	39.32	
08 52 16 00-1025 47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1026 EA 47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	271.44	37.41
<i>For Tempered Clear Insulated Glass, Add</i>	39.32	
08 52 16 00-1027 EA 71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	328.99	44.42
<i>For Tempered Clear Insulated Glass, Add</i>	48.03	
08 52 16 00-1028 53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1029 EA 56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	307.97	41.79
<i>For Tempered Clear Insulated Glass, Add</i>	44.88	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1030	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	314.98 45.93	42.67
08 52 16 00-1031		56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1032	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	264.43 38.27	36.83
08 52 16 00-1033	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	307.97 44.88	41.79
08 52 16 00-1034		59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1035	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	271.44 39.32	37.41
08 52 16 00-1036	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	314.98 45.93	42.67
08 52 16 00-1037	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	328.99 48.03	44.42
08 52 16 00-1038	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	343.75 50.28	46.18
08 52 16 00-1039		65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1040	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	343.75 50.28	46.18
08 52 16 00-1041		71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1042	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	328.99 48.03	44.42
08 52 16 00-1043		Basement Wood Clad Windows (08 52 16)		
08 52 16 00-1044		Basement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-1043) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 16 00-1045	EA	32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series).....	141.54	23.38
08 52 16 00-1046	EA	32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series).....	148.66	23.38
08 52 16 00-1047	EA	32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series).....	154.92	23.38
08 52 16 00-1048		Factory Installed Grilles For Wood Clad Windows (08 52 16)		
08 52 16 00-1049		Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1048)		
08 52 16 00-1050	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	18.52	
08 52 16 00-1051	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	27.29	
08 52 16 00-1052	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	37.03	
08 52 16 00-1053	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	46.78	
08 52 16 00-1054	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	66.27	
08 52 16 00-1055		Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1048)		
08 52 16 00-1056	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	29.63	
08 52 16 00-1057	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	43.66	
08 52 16 00-1058	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	59.26	
08 52 16 00-1059	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	74.85	
08 52 16 00-1060	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	106.04	
08 52 16 00-1061		Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1048)		
08 52 16 00-1062	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	35.55	
08 52 16 00-1063	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	52.39	
08 52 16 00-1064	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	71.11	
08 52 16 00-1065	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	89.82	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 52 16 00-1066	EA	>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	127.24		
08 52 16 00-1067		Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>			
08 52 16 00-1068	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	42.67		
08 52 16 00-1069	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	62.87		
08 52 16 00-1070	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	85.33		
08 52 16 00-1071	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	107.78		
08 52 16 00-1072	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	152.69		
08 52 19		Wood Windows <small>(08 52)</small>			
08 52 19 00-0001		Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19)</small>			
		Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.			
08 52 19 00-0002		30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>			
08 52 19 00-0003	EA	20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	209.52		
		For Low-E Insulated Glass, Add	19.48		
		For Aluminum Clad Exterior, Add	20.87		
08 52 19 00-0004	EA	24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	222.80		
		For Low-E Insulated Glass, Add	20.88		
		For Aluminum Clad Exterior, Add	22.37		
08 52 19 00-0005	EA	28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	237.08		
		For Low-E Insulated Glass, Add	22.42		
		For Aluminum Clad Exterior, Add	24.02		
08 52 19 00-0006	EA	30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	244.73		
		For Low-E Insulated Glass, Add	23.26		
		For Aluminum Clad Exterior, Add	24.93		
08 52 19 00-0007	EA	32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	251.37		
		For Low-E Insulated Glass, Add	23.96		
		For Aluminum Clad Exterior, Add	25.68		
08 52 19 00-0008	EA	34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	260.02		
		For Low-E Insulated Glass, Add	24.95		
		For Aluminum Clad Exterior, Add	26.73		
08 52 19 00-0009	EA	36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	263.68		
		For Low-E Insulated Glass, Add	25.23		
		For Aluminum Clad Exterior, Add	27.03		
08 52 19 00-0010	EA	40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	280.93		
		For Low-E Insulated Glass, Add	27.19		
		For Aluminum Clad Exterior, Add	29.13		
08 52 19 00-0011	EA	44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	295.22		
		For Low-E Insulated Glass, Add	28.73		
		For Aluminum Clad Exterior, Add	30.78		
08 52 19 00-0012		34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>			
08 52 19 00-0013	EA	20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	222.80		
		For Low-E Insulated Glass, Add	20.88		
		For Aluminum Clad Exterior, Add	22.37		
08 52 19 00-0014	EA	24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	237.08		
		For Low-E Insulated Glass, Add	22.42		
		For Aluminum Clad Exterior, Add	24.02		
08 52 19 00-0015	EA	28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	249.73		
		For Low-E Insulated Glass, Add	23.96		
		For Aluminum Clad Exterior, Add	25.68		
08 52 19 00-0016	EA	30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	260.02		
		For Low-E Insulated Glass, Add	24.95		
		For Aluminum Clad Exterior, Add	26.73		
08 52 19 00-0017	EA	32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	266.65		
		For Low-E Insulated Glass, Add	25.65		
		For Aluminum Clad Exterior, Add	27.48		
08 52 19 00-0018	EA	34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	274.30		
		For Low-E Insulated Glass, Add	26.49		
		For Aluminum Clad Exterior, Add	28.38		
08 52 19 00-0019	EA	36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	280.93		
		For Low-E Insulated Glass, Add	27.19		
		For Aluminum Clad Exterior, Add	29.13		
08 52 19 00-0020	EA	40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	295.22		
		For Low-E Insulated Glass, Add	28.73		
		For Aluminum Clad Exterior, Add	30.78		
08 52 19 00-0021	EA	44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	309.51		
		For Low-E Insulated Glass, Add	30.27		
		For Aluminum Clad Exterior, Add	32.43		



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0022 36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>		
08 52 19 00-0023 EA 20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	229.63	
For Low-E Insulated Glass, Add	21.72	
For Aluminum Clad Exterior, Add	23.27	
08 52 19 00-0024 EA 24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	243.91	
For Low-E Insulated Glass, Add	23.26	
For Aluminum Clad Exterior, Add	24.93	
08 52 19 00-0025 EA 28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	259.20	
For Low-E Insulated Glass, Add	24.95	
For Aluminum Clad Exterior, Add	26.73	
08 52 19 00-0026 EA 30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	265.83	
For Low-E Insulated Glass, Add	25.65	
For Aluminum Clad Exterior, Add	27.48	
08 52 19 00-0027 EA 32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	273.48	
For Low-E Insulated Glass, Add	26.49	
For Aluminum Clad Exterior, Add	28.38	
08 52 19 00-0028 EA 34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	280.11	
For Low-E Insulated Glass, Add	27.19	
For Aluminum Clad Exterior, Add	29.13	
08 52 19 00-0029 EA 36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	287.76	
For Low-E Insulated Glass, Add	28.03	
For Aluminum Clad Exterior, Add	30.03	
08 52 19 00-0030 EA 40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	301.05	
For Low-E Insulated Glass, Add	29.43	
For Aluminum Clad Exterior, Add	31.53	
08 52 19 00-0031 EA 44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	315.33	
For Low-E Insulated Glass, Add	30.97	
For Aluminum Clad Exterior, Add	33.18	
08 52 19 00-0032 38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>		
08 52 19 00-0033 EA 20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	237.90	
For Low-E Insulated Glass, Add	22.42	
For Aluminum Clad Exterior, Add	24.02	
08 52 19 00-0034 EA 24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	252.19	
For Low-E Insulated Glass, Add	23.96	
For Aluminum Clad Exterior, Add	25.68	
08 52 19 00-0035 EA 28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	267.47	
For Low-E Insulated Glass, Add	25.65	
For Aluminum Clad Exterior, Add	27.48	
08 52 19 00-0036 EA 30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	275.11	
For Low-E Insulated Glass, Add	26.49	
For Aluminum Clad Exterior, Add	28.38	
08 52 19 00-0037 EA 32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	281.75	
For Low-E Insulated Glass, Add	27.19	
For Aluminum Clad Exterior, Add	29.13	
08 52 19 00-0038 EA 34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	289.40	
For Low-E Insulated Glass, Add	28.03	
For Aluminum Clad Exterior, Add	30.03	
08 52 19 00-0039 EA 36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	296.04	
For Low-E Insulated Glass, Add	28.73	
For Aluminum Clad Exterior, Add	30.78	
08 52 19 00-0040 EA 40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	310.33	
For Low-E Insulated Glass, Add	30.27	
For Aluminum Clad Exterior, Add	32.43	
08 52 19 00-0041 EA 44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	324.61	
For Low-E Insulated Glass, Add	31.81	
For Aluminum Clad Exterior, Add	34.08	
08 52 19 00-0042 46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>		
08 52 19 00-0043 EA 20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	266.65	
For Low-E Insulated Glass, Add	25.65	
For Aluminum Clad Exterior, Add	27.48	
08 52 19 00-0044 EA 24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	280.93	
For Low-E Insulated Glass, Add	27.19	
For Aluminum Clad Exterior, Add	29.13	
08 52 19 00-0045 EA 28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	295.22	
For Low-E Insulated Glass, Add	28.73	
For Aluminum Clad Exterior, Add	30.78	
08 52 19 00-0046 EA 30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	301.86	
For Low-E Insulated Glass, Add	29.43	
For Aluminum Clad Exterior, Add	31.53	
08 52 19 00-0047 EA 32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	309.51	
For Low-E Insulated Glass, Add	30.27	
For Aluminum Clad Exterior, Add	32.43	
08 52 19 00-0048 EA 34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	316.14	
For Low-E Insulated Glass, Add	30.97	
For Aluminum Clad Exterior, Add	33.18	
08 52 19 00-0049 EA 36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	323.79	
For Low-E Insulated Glass, Add	31.81	
For Aluminum Clad Exterior, Add	34.08	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0050	EA		40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	338.08 33.35 35.74	
08 52 19 00-0051	EA		44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	353.36 35.04 37.54	
08 52 19 00-0052			48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
08 52 19 00-0053	EA		20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	273.48 26.49 28.38	
08 52 19 00-0054	EA		24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	287.76 28.03 30.03	
08 52 19 00-0055	EA		28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	301.05 29.43 31.53	
08 52 19 00-0056	EA		30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	308.69 30.27 32.43	
08 52 19 00-0057	EA		32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	315.33 30.97 33.18	
08 52 19 00-0058	EA		34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	322.97 31.81 34.08	
08 52 19 00-0059	EA		36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	329.61 32.51 34.83	
08 52 19 00-0060	EA		40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	344.90 34.19 36.64	
08 52 19 00-0061	EA		44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	359.19 35.74 38.29	
08 52 19 00-0062			50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
08 52 19 00-0063	EA		20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	281.75 27.19 29.13	
08 52 19 00-0064	EA		24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	296.04 28.73 30.78	
08 52 19 00-0065	EA		28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	310.33 30.27 32.43	
08 52 19 00-0066	EA		30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	316.96 30.97 33.18	
08 52 19 00-0067	EA		32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	324.61 31.81 34.08	
08 52 19 00-0068	EA		34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	331.25 32.51 34.83	
08 52 19 00-0069	EA		36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	338.90 33.35 35.74	
08 52 19 00-0070	EA		40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	354.18 35.04 37.54	
08 52 19 00-0071	EA		44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	368.47 36.58 39.19	
08 52 19 00-0072			54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
08 52 19 00-0073	EA		20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	296.04 28.73 30.78	
08 52 19 00-0074	EA		24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	310.33 30.27 32.43	
08 52 19 00-0075	EA		28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	324.61 31.81 34.08	
08 52 19 00-0076	EA		30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	331.25 32.51 34.83	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0077 EA 32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	338.90	
<i>For Low-E Insulated Glass, Add</i>	33.35	
<i>For Aluminum Clad Exterior, Add</i>	35.74	
08 52 19 00-0078 EA 34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	346.53	
<i>For Low-E Insulated Glass, Add</i>	34.19	
<i>For Aluminum Clad Exterior, Add</i>	36.64	
08 52 19 00-0079 EA 36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	354.18	
<i>For Low-E Insulated Glass, Add</i>	35.04	
<i>For Aluminum Clad Exterior, Add</i>	37.54	
08 52 19 00-0080 EA 40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	368.47	
<i>For Low-E Insulated Glass, Add</i>	36.58	
<i>For Aluminum Clad Exterior, Add</i>	39.19	
08 52 19 00-0081 EA 44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	382.75	
<i>For Low-E Insulated Glass, Add</i>	38.12	
<i>For Aluminum Clad Exterior, Add</i>	40.84	
08 52 19 00-0082 58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
<small>(08 52 19 00-0001)</small>		
08 52 19 00-0083 EA 20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	309.51	
<i>For Low-E Insulated Glass, Add</i>	30.27	
<i>For Aluminum Clad Exterior, Add</i>	32.43	
08 52 19 00-0084 EA 24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	323.79	
<i>For Low-E Insulated Glass, Add</i>	31.81	
<i>For Aluminum Clad Exterior, Add</i>	34.08	
08 52 19 00-0085 EA 28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	338.08	
<i>For Low-E Insulated Glass, Add</i>	33.35	
<i>For Aluminum Clad Exterior, Add</i>	35.74	
08 52 19 00-0086 EA 30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	345.71	
<i>For Low-E Insulated Glass, Add</i>	34.19	
<i>For Aluminum Clad Exterior, Add</i>	36.64	
08 52 19 00-0087 EA 32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	353.36	
<i>For Low-E Insulated Glass, Add</i>	35.04	
<i>For Aluminum Clad Exterior, Add</i>	37.54	
08 52 19 00-0088 EA 34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	360.00	
<i>For Low-E Insulated Glass, Add</i>	35.74	
<i>For Aluminum Clad Exterior, Add</i>	38.29	
08 52 19 00-0089 EA 36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	367.64	
<i>For Low-E Insulated Glass, Add</i>	36.58	
<i>For Aluminum Clad Exterior, Add</i>	39.19	
08 52 19 00-0090 EA 40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	381.93	
<i>For Low-E Insulated Glass, Add</i>	38.12	
<i>For Aluminum Clad Exterior, Add</i>	40.84	
08 52 19 00-0091 EA 44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	395.21	
<i>For Low-E Insulated Glass, Add</i>	39.52	
<i>For Aluminum Clad Exterior, Add</i>	42.34	
08 52 19 00-0092 60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
<small>(08 52 19 00-0001)</small>		
08 52 19 00-0093 EA 20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	315.33	
<i>For Low-E Insulated Glass, Add</i>	30.97	
<i>For Aluminum Clad Exterior, Add</i>	33.18	
08 52 19 00-0094 EA 24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	329.61	
<i>For Low-E Insulated Glass, Add</i>	32.51	
<i>For Aluminum Clad Exterior, Add</i>	34.83	
08 52 19 00-0095 EA 28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	344.90	
<i>For Low-E Insulated Glass, Add</i>	34.19	
<i>For Aluminum Clad Exterior, Add</i>	36.64	
08 52 19 00-0096 EA 30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	352.54	
<i>For Low-E Insulated Glass, Add</i>	35.04	
<i>For Aluminum Clad Exterior, Add</i>	37.54	
08 52 19 00-0097 EA 32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	359.19	
<i>For Low-E Insulated Glass, Add</i>	35.74	
<i>For Aluminum Clad Exterior, Add</i>	38.29	
08 52 19 00-0098 EA 34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	366.82	
<i>For Low-E Insulated Glass, Add</i>	36.58	
<i>For Aluminum Clad Exterior, Add</i>	39.19	
08 52 19 00-0099 EA 36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	373.48	
<i>For Low-E Insulated Glass, Add</i>	37.28	
<i>For Aluminum Clad Exterior, Add</i>	39.94	
08 52 19 00-0100 EA 40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	387.76	
<i>For Low-E Insulated Glass, Add</i>	38.82	
<i>For Aluminum Clad Exterior, Add</i>	41.59	
08 52 19 00-0101 EA 44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	402.04	
<i>For Low-E Insulated Glass, Add</i>	40.36	
<i>For Aluminum Clad Exterior, Add</i>	43.24	
08 52 19 00-0102 62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
<small>(08 52 19 00-0001)</small>		
08 52 19 00-0103 EA 20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	324.61	
<i>For Low-E Insulated Glass, Add</i>	31.81	
<i>For Aluminum Clad Exterior, Add</i>	34.08	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0104	EA		24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	338.90	
			<i>For Low-E Insulated Glass, Add</i>	33.35	
			<i>For Aluminum Clad Exterior, Add</i>	35.74	
08 52 19 00-0105	EA		28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	354.18	
			<i>For Low-E Insulated Glass, Add</i>	35.04	
			<i>For Aluminum Clad Exterior, Add</i>	37.54	
08 52 19 00-0106	EA		30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	360.82	
			<i>For Low-E Insulated Glass, Add</i>	35.74	
			<i>For Aluminum Clad Exterior, Add</i>	38.29	
08 52 19 00-0107	EA		32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	368.47	
			<i>For Low-E Insulated Glass, Add</i>	36.58	
			<i>For Aluminum Clad Exterior, Add</i>	39.19	
08 52 19 00-0108	EA		34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	375.11	
			<i>For Low-E Insulated Glass, Add</i>	37.28	
			<i>For Aluminum Clad Exterior, Add</i>	39.94	
08 52 19 00-0109	EA		36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	382.75	
			<i>For Low-E Insulated Glass, Add</i>	38.12	
			<i>For Aluminum Clad Exterior, Add</i>	40.84	
08 52 19 00-0110	EA		40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	396.03	
			<i>For Low-E Insulated Glass, Add</i>	39.52	
			<i>For Aluminum Clad Exterior, Add</i>	42.34	
08 52 19 00-0111	EA		44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	410.32	
			<i>For Low-E Insulated Glass, Add</i>	41.06	
			<i>For Aluminum Clad Exterior, Add</i>	43.99	
08 52 19 00-0112			66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
			<small>(08 52 19 00-0001)</small>		
08 52 19 00-0113	EA		20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	338.90	
			<i>For Low-E Insulated Glass, Add</i>	33.35	
			<i>For Aluminum Clad Exterior, Add</i>	35.74	
08 52 19 00-0114	EA		24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	354.18	
			<i>For Low-E Insulated Glass, Add</i>	35.04	
			<i>For Aluminum Clad Exterior, Add</i>	37.54	
08 52 19 00-0115	EA		28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	368.47	
			<i>For Low-E Insulated Glass, Add</i>	36.58	
			<i>For Aluminum Clad Exterior, Add</i>	39.19	
08 52 19 00-0116	EA		30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	375.11	
			<i>For Low-E Insulated Glass, Add</i>	37.28	
			<i>For Aluminum Clad Exterior, Add</i>	39.94	
08 52 19 00-0117	EA		32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	382.75	
			<i>For Low-E Insulated Glass, Add</i>	38.12	
			<i>For Aluminum Clad Exterior, Add</i>	40.84	
08 52 19 00-0118	EA		34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	389.39	
			<i>For Low-E Insulated Glass, Add</i>	38.82	
			<i>For Aluminum Clad Exterior, Add</i>	41.59	
08 52 19 00-0119	EA		36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	396.03	
			<i>For Low-E Insulated Glass, Add</i>	39.52	
			<i>For Aluminum Clad Exterior, Add</i>	42.34	
08 52 19 00-0120	EA		40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	410.32	
			<i>For Low-E Insulated Glass, Add</i>	41.06	
			<i>For Aluminum Clad Exterior, Add</i>	43.99	
08 52 19 00-0121	EA		44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	424.60	
			<i>For Low-E Insulated Glass, Add</i>	42.60	
			<i>For Aluminum Clad Exterior, Add</i>	45.65	
08 52 19 00-0122			70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
			<small>(08 52 19 00-0001)</small>		
08 52 19 00-0123	EA		20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	353.36	
			<i>For Low-E Insulated Glass, Add</i>	35.04	
			<i>For Aluminum Clad Exterior, Add</i>	37.54	
08 52 19 00-0124	EA		24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	367.64	
			<i>For Low-E Insulated Glass, Add</i>	36.58	
			<i>For Aluminum Clad Exterior, Add</i>	39.19	
08 52 19 00-0125	EA		28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	381.93	
			<i>For Low-E Insulated Glass, Add</i>	38.12	
			<i>For Aluminum Clad Exterior, Add</i>	40.84	
08 52 19 00-0126	EA		30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	388.57	
			<i>For Low-E Insulated Glass, Add</i>	38.82	
			<i>For Aluminum Clad Exterior, Add</i>	41.59	
08 52 19 00-0127	EA		32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	395.21	
			<i>For Low-E Insulated Glass, Add</i>	39.52	
			<i>For Aluminum Clad Exterior, Add</i>	42.34	
08 52 19 00-0128	EA		34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	405.82	
			<i>For Low-E Insulated Glass, Add</i>	40.78	
			<i>For Aluminum Clad Exterior, Add</i>	43.69	
08 52 19 00-0129	EA		36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	410.54	
			<i>For Low-E Insulated Glass, Add</i>	41.21	
			<i>For Aluminum Clad Exterior, Add</i>	44.15	
08 52 19 00-0130	EA		40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	423.78	
			<i>For Low-E Insulated Glass, Add</i>	42.60	
			<i>For Aluminum Clad Exterior, Add</i>	45.65	
08 52 19 00-0131	EA		44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	439.07	
			<i>For Low-E Insulated Glass, Add</i>	44.28	
			<i>For Aluminum Clad Exterior, Add</i>	47.45	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0132 74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>		
08 52 19 00-0133 EA 20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	368.47	
For Low-E Insulated Glass, Add	36.58	
For Aluminum Clad Exterior, Add	39.19	
08 52 19 00-0134 EA 24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	382.75	
For Low-E Insulated Glass, Add	38.12	
For Aluminum Clad Exterior, Add	40.84	
08 52 19 00-0135 EA 28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	396.03	
For Low-E Insulated Glass, Add	39.52	
For Aluminum Clad Exterior, Add	42.34	
08 52 19 00-0136 EA 30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	403.67	
For Low-E Insulated Glass, Add	40.36	
For Aluminum Clad Exterior, Add	43.24	
08 52 19 00-0137 EA 32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	410.32	
For Low-E Insulated Glass, Add	41.06	
For Aluminum Clad Exterior, Add	43.99	
08 52 19 00-0138 EA 34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	417.96	
For Low-E Insulated Glass, Add	41.90	
For Aluminum Clad Exterior, Add	44.90	
08 52 19 00-0139 EA 36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	424.60	
For Low-E Insulated Glass, Add	42.60	
For Aluminum Clad Exterior, Add	45.65	
08 52 19 00-0140 EA 40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	439.89	
For Low-E Insulated Glass, Add	44.28	
For Aluminum Clad Exterior, Add	47.45	
08 52 19 00-0141 EA 44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	454.18	
For Low-E Insulated Glass, Add	45.83	
For Aluminum Clad Exterior, Add	49.10	
08 52 19 00-0142 78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>		
08 52 19 00-0143 EA 20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	386.02	
For Low-E Insulated Glass, Add	38.12	
For Aluminum Clad Exterior, Add	40.84	
08 52 19 00-0144 EA 24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	399.31	
For Low-E Insulated Glass, Add	39.52	
For Aluminum Clad Exterior, Add	42.34	
08 52 19 00-0145 EA 28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	413.59	
For Low-E Insulated Glass, Add	41.06	
For Aluminum Clad Exterior, Add	43.99	
08 52 19 00-0146 EA 30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	421.23	
For Low-E Insulated Glass, Add	41.90	
For Aluminum Clad Exterior, Add	44.90	
08 52 19 00-0147 EA 32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	427.87	
For Low-E Insulated Glass, Add	42.60	
For Aluminum Clad Exterior, Add	45.65	
08 52 19 00-0148 EA 34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	435.51	
For Low-E Insulated Glass, Add	43.44	
For Aluminum Clad Exterior, Add	46.55	
08 52 19 00-0149 EA 36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	443.17	
For Low-E Insulated Glass, Add	44.28	
For Aluminum Clad Exterior, Add	47.45	
08 52 19 00-0150 EA 40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	457.44	
For Low-E Insulated Glass, Add	45.83	
For Aluminum Clad Exterior, Add	49.10	
08 52 19 00-0151 EA 44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	471.72	
For Low-E Insulated Glass, Add	47.37	
For Aluminum Clad Exterior, Add	50.75	
08 52 19 00-0152 Commercial And Institutional Heavy Double Hung Windows <small>(08 52 19)</small>		
Note: With true divided lites. Performance grade DP 40 in NWWDA I.S. 2-93. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 19 00-0153 SF Up To 21 SF Double Hung Wood Window With True Divided Lite	57.79	7.31
For Insulating Glass, Add	3.67	
08 52 19 00-0154 SF 21 To 40 SF Double Hung Wood Window With True Divided Lite	54.90	8.12
For Insulating Glass, Add	3.29	
08 52 19 00-0155 SF 40 SF And Over Double Hung Wood Window With True Divided Lite	52.29	9.12
For Insulating Glass, Add	2.89	
08 52 19 00-0156 Architectural And Historic Reproduction Wood Windows <small>(08 52 19)</small>		
Note: Fixed casement, awning, and double hung. With true divided lites. Casement performance grade DP 40; awning performance grade DP 25; double hung performance grade DP 30. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 19 00-0157 SF Up To 21 SF Architectural And Historic Reproduction Wood Window	62.34	7.30
For Insulating Glass, Add	4.06	
08 52 19 00-0158 SF 21 To 40 SF Architectural And Historic Reproduction Wood Window	57.36	8.12
For Insulating Glass, Add	3.50	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0159 SF 40 SF And Over Architectural And Historic Reproduction Wood Window..... <i>For Insulating Glass, Add</i>	53.73 3.01	9.12
08 52 19 00-0160 Removal And Reinstallation Of Wood Window And Frame (08 52 19) Note: Includes storage, cleaning and supply materials.		
08 52 19 00-0161 SF Removal And Reinstallation Of Wood Windows And Frames.....	18.16	
08 52 66 Wood Window Screens (08 52)		
08 52 66 00-0001 Insect Screens For Wood Clad Windows (08 52 66)		
08 52 66 00-0002 EA Up To 6 SF, Insect Screen For Wood Clad Windows.....	25.61	5.24
08 52 66 00-0003 EA >6 To 9 SF, Insect Screen For Wood Clad Windows.....	29.93	5.24
08 52 66 00-0004 EA >9 To 12 SF, Insect Screen For Wood Clad Windows.....	32.10	5.24
08 52 66 00-0005 EA >12 To 15 SF, Insect Screen For Wood Clad Windows.....	36.42	5.24
08 52 66 00-0006 EA >15 To 20 SF, Insect Screen For Wood Clad Windows.....	45.06	5.24
08 52 66 00-0007 EA >20 To 25 SF, Insect Screen For Wood Clad Windows.....	49.39	5.24
08 52 66 00-0008 EA >25 To 30 SF, Insect Screen For Wood Clad Windows.....	53.71	5.24
08 52 66 00-0009 EA >30 To 35 SF, Insect Screen For Wood Clad Windows.....	58.03	5.24
08 52 66 00-0010 SF >35 SF, Insect Screen For Wood Clad Windows.....	1.74	0.10
08 53 Plastic Windows (08 50)		
08 53 13 Vinyl Windows (08 53)		
08 53 13 00-0001 Single Hung Vinyl Windows (08 53 13)		
08 53 13 00-0002 New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0001) Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0003 34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0004 EA 24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	141.77 8.80 10.56 22.00 24.20	26.88
08 53 13 00-0005 EA 28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	149.00 9.29 11.15 23.22 25.54	28.06
08 53 13 00-0006 EA 30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	152.06 9.48 11.37 23.70 26.06	28.64
08 53 13 00-0007 EA 32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	155.38 9.69 11.63 24.23 26.66	29.23
08 53 13 00-0008 EA 36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	163.71 10.29 12.35 25.73 28.30	30.40
08 53 13 00-0009 EA 44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	177.45 11.20 13.44 28.00 30.79	32.74
08 53 13 00-0010 36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0011 EA 24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	144.65 8.97 10.77 22.43 24.67	27.47
08 53 13 00-0012 EA 28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	151.90 9.46 11.35 23.66 26.02	28.06
08 53 13 00-0013 EA 30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	154.96 9.65 11.58 24.13 26.54	29.23



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0014 EA 32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	158.27	29.81
For Colored Vinyl, Add	9.87	
For Tinted Glass, Add	11.84	
For Low-E Insulated Glass, Add	24.66	
For Obscure Glass, Add	27.13	
08 53 13 00-0015 EA 36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	166.61	30.98
For Colored Vinyl, Add	10.47	
For Tinted Glass, Add	12.56	
For Low-E Insulated Glass, Add	26.16	
For Obscure Glass, Add	28.78	
08 53 13 00-0016 EA 44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	180.35	33.31
For Colored Vinyl, Add	11.37	
For Tinted Glass, Add	13.65	
For Low-E Insulated Glass, Add	28.43	
For Obscure Glass, Add	31.27	
08 53 13 00-0017 38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0018 EA 24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	147.47	28.06
For Colored Vinyl, Add	9.14	
For Tinted Glass, Add	10.96	
For Low-E Insulated Glass, Add	22.84	
For Obscure Glass, Add	25.12	
08 53 13 00-0019 EA 28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	154.71	29.23
For Colored Vinyl, Add	9.63	
For Tinted Glass, Add	11.55	
For Low-E Insulated Glass, Add	24.07	
For Obscure Glass, Add	26.47	
08 53 13 00-0020 EA 30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	157.89	29.81
For Colored Vinyl, Add	9.83	
For Tinted Glass, Add	11.79	
For Low-E Insulated Glass, Add	24.57	
For Obscure Glass, Add	27.02	
08 53 13 00-0021 EA 32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	161.20	30.40
For Colored Vinyl, Add	10.04	
For Tinted Glass, Add	12.05	
For Low-E Insulated Glass, Add	25.10	
For Obscure Glass, Add	27.61	
08 53 13 00-0022 EA 36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	169.65	31.57
For Colored Vinyl, Add	10.65	
For Tinted Glass, Add	12.78	
For Low-E Insulated Glass, Add	26.63	
For Obscure Glass, Add	29.30	
08 53 13 00-0023 EA 44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	183.57	33.90
For Colored Vinyl, Add	11.58	
For Tinted Glass, Add	13.89	
For Low-E Insulated Glass, Add	28.94	
For Obscure Glass, Add	31.83	
08 53 13 00-0024 44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0025 EA 24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	156.06	29.81
For Colored Vinyl, Add	9.64	
For Tinted Glass, Add	11.57	
For Low-E Insulated Glass, Add	24.11	
For Obscure Glass, Add	26.52	
08 53 13 00-0026 EA 28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	163.31	30.98
For Colored Vinyl, Add	10.14	
For Tinted Glass, Add	12.16	
For Low-E Insulated Glass, Add	25.34	
For Obscure Glass, Add	27.87	
08 53 13 00-0027 EA 30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	166.83	31.57
For Colored Vinyl, Add	10.37	
For Tinted Glass, Add	12.45	
For Low-E Insulated Glass, Add	25.93	
For Obscure Glass, Add	28.52	
08 53 13 00-0028 EA 32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	170.15	32.15
For Colored Vinyl, Add	10.59	
For Tinted Glass, Add	12.70	
For Low-E Insulated Glass, Add	26.46	
For Obscure Glass, Add	29.11	
08 53 13 00-0029 EA 36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	178.97	33.31
For Colored Vinyl, Add	11.23	
For Tinted Glass, Add	13.48	
For Low-E Insulated Glass, Add	28.08	
For Obscure Glass, Add	30.89	
08 53 13 00-0030 EA 44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	193.32	35.65
For Colored Vinyl, Add	12.20	
For Tinted Glass, Add	14.64	
For Low-E Insulated Glass, Add	30.50	
For Obscure Glass, Add	33.55	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0031 46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0032 EA 24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	158.96	30.40
For Colored Vinyl, Add	9.82	
For Tinted Glass, Add	11.78	
For Low-E Insulated Glass, Add	24.54	
For Obscure Glass, Add	27.00	
08 53 13 00-0033 EA 28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	166.19	31.57
For Colored Vinyl, Add	10.31	
For Tinted Glass, Add	12.37	
For Low-E Insulated Glass, Add	25.77	
For Obscure Glass, Add	28.34	
08 53 13 00-0034 EA 30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	169.85	32.15
For Colored Vinyl, Add	10.56	
For Tinted Glass, Add	12.67	
For Low-E Insulated Glass, Add	26.39	
For Obscure Glass, Add	29.03	
08 53 13 00-0035 EA 32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	173.16	32.74
For Colored Vinyl, Add	10.77	
For Tinted Glass, Add	12.92	
For Low-E Insulated Glass, Add	26.92	
For Obscure Glass, Add	29.61	
08 53 13 00-0036 EA 36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	182.09	33.90
For Colored Vinyl, Add	11.43	
For Tinted Glass, Add	13.71	
For Low-E Insulated Glass, Add	28.57	
For Obscure Glass, Add	31.43	
08 53 13 00-0037 EA 44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	196.61	36.24
For Colored Vinyl, Add	12.41	
For Tinted Glass, Add	14.90	
For Low-E Insulated Glass, Add	31.03	
For Obscure Glass, Add	34.14	
08 53 13 00-0038 48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0039 EA 24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	161.88	30.98
For Colored Vinyl, Add	9.99	
For Tinted Glass, Add	11.99	
For Low-E Insulated Glass, Add	24.98	
For Obscure Glass, Add	27.48	
08 53 13 00-0040 EA 28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	169.13	32.15
For Colored Vinyl, Add	10.48	
For Tinted Glass, Add	12.58	
For Low-E Insulated Glass, Add	26.21	
For Obscure Glass, Add	28.83	
08 53 13 00-0041 EA 30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	172.88	32.74
For Colored Vinyl, Add	10.74	
For Tinted Glass, Add	12.89	
For Low-E Insulated Glass, Add	26.85	
For Obscure Glass, Add	29.54	
08 53 13 00-0042 EA 32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	176.19	33.31
For Colored Vinyl, Add	10.96	
For Tinted Glass, Add	13.15	
For Low-E Insulated Glass, Add	27.39	
For Obscure Glass, Add	30.13	
08 53 13 00-0043 EA 36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	185.25	34.48
For Colored Vinyl, Add	11.63	
For Tinted Glass, Add	13.95	
For Low-E Insulated Glass, Add	29.07	
For Obscure Glass, Add	31.97	
08 53 13 00-0044 EA 44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	199.92	36.83
For Colored Vinyl, Add	12.63	
For Tinted Glass, Add	15.15	
For Low-E Insulated Glass, Add	31.57	
For Obscure Glass, Add	34.72	
08 53 13 00-0045 50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0046 EA 24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	164.69	31.57
For Colored Vinyl, Add	10.16	
For Tinted Glass, Add	12.19	
For Low-E Insulated Glass, Add	25.39	
For Obscure Glass, Add	27.93	
08 53 13 00-0047 EA 28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	171.94	32.74
For Colored Vinyl, Add	10.65	
For Tinted Glass, Add	12.78	
For Low-E Insulated Glass, Add	26.62	
For Obscure Glass, Add	29.28	



Openings	08	08
Windows	08 50	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0048 EA 30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	175.82	33.31
For Colored Vinyl, Add	10.92	
For Tinted Glass, Add	13.10	
For Low-E Insulated Glass, Add	27.30	
For Obscure Glass, Add	30.02	
08 53 13 00-0049 EA 32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	179.13	33.90
For Colored Vinyl, Add	11.13	
For Tinted Glass, Add	13.36	
For Low-E Insulated Glass, Add	27.83	
For Obscure Glass, Add	30.61	
08 53 13 00-0050 EA 36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	188.28	35.07
For Colored Vinyl, Add	11.81	
For Tinted Glass, Add	14.18	
For Low-E Insulated Glass, Add	29.54	
For Obscure Glass, Add	32.49	
08 53 13 00-0051 EA 44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	203.12	37.41
For Colored Vinyl, Add	12.83	
For Tinted Glass, Add	15.40	
For Low-E Insulated Glass, Add	32.08	
For Obscure Glass, Add	35.28	
08 53 13 00-0052 52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0053 EA 24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	167.52	32.15
For Colored Vinyl, Add	10.32	
For Tinted Glass, Add	12.39	
For Low-E Insulated Glass, Add	25.81	
For Obscure Glass, Add	28.39	
08 53 13 00-0054 EA 28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	174.77	33.31
For Colored Vinyl, Add	10.81	
For Tinted Glass, Add	12.98	
For Low-E Insulated Glass, Add	27.03	
For Obscure Glass, Add	29.74	
08 53 13 00-0055 EA 30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	178.77	33.90
For Colored Vinyl, Add	11.10	
For Tinted Glass, Add	13.32	
For Low-E Insulated Glass, Add	27.74	
For Obscure Glass, Add	30.51	
08 53 13 00-0056 EA 32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	182.08	34.48
For Colored Vinyl, Add	11.31	
For Tinted Glass, Add	13.57	
For Low-E Insulated Glass, Add	28.28	
For Obscure Glass, Add	31.10	
08 53 13 00-0057 EA 36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	191.36	35.65
For Colored Vinyl, Add	12.01	
For Tinted Glass, Add	14.41	
For Low-E Insulated Glass, Add	30.01	
For Obscure Glass, Add	33.01	
08 53 13 00-0058 EA 44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	206.35	38.00
For Colored Vinyl, Add	13.04	
For Tinted Glass, Add	15.64	
For Low-E Insulated Glass, Add	32.59	
For Obscure Glass, Add	35.85	
08 53 13 00-0059 54" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0060 EA 24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	170.35	32.74
For Colored Vinyl, Add	10.49	
For Tinted Glass, Add	12.59	
For Low-E Insulated Glass, Add	26.22	
For Obscure Glass, Add	28.84	
08 53 13 00-0061 EA 28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	177.60	33.90
For Colored Vinyl, Add	10.98	
For Tinted Glass, Add	13.17	
For Low-E Insulated Glass, Add	27.45	
For Obscure Glass, Add	30.19	
08 53 13 00-0062 EA 30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	181.71	34.48
For Colored Vinyl, Add	11.27	
For Tinted Glass, Add	13.53	
For Low-E Insulated Glass, Add	28.18	
For Obscure Glass, Add	31.00	
08 53 13 00-0063 EA 32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	185.01	35.07
For Colored Vinyl, Add	11.49	
For Tinted Glass, Add	13.78	
For Low-E Insulated Glass, Add	28.72	
For Obscure Glass, Add	31.59	
08 53 13 00-0064 EA 36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	194.41	36.24
For Colored Vinyl, Add	12.19	
For Tinted Glass, Add	14.63	
For Low-E Insulated Glass, Add	30.48	
For Obscure Glass, Add	33.53	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0065 EA 44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	209.54	38.58
For Colored Vinyl, Add	13.24	
For Tinted Glass, Add	15.89	
For Low-E Insulated Glass, Add	33.10	
For Obscure Glass, Add	36.41	
08 53 13 00-0066 60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0067 EA 24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	179.04	34.48
For Colored Vinyl, Add	11.01	
For Tinted Glass, Add	13.21	
For Low-E Insulated Glass, Add	27.52	
For Obscure Glass, Add	30.27	
08 53 13 00-0068 EA 28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	186.28	35.65
For Colored Vinyl, Add	11.50	
For Tinted Glass, Add	13.80	
For Low-E Insulated Glass, Add	28.74	
For Obscure Glass, Add	31.62	
08 53 13 00-0069 EA 30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	190.72	36.24
For Colored Vinyl, Add	11.82	
For Tinted Glass, Add	14.19	
For Low-E Insulated Glass, Add	29.56	
For Obscure Glass, Add	32.52	
08 53 13 00-0070 EA 32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	194.03	36.83
For Colored Vinyl, Add	12.04	
For Tinted Glass, Add	14.45	
For Low-E Insulated Glass, Add	30.10	
For Obscure Glass, Add	33.10	
08 53 13 00-0071 EA 36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	203.79	38.00
For Colored Vinyl, Add	12.78	
For Tinted Glass, Add	15.34	
For Low-E Insulated Glass, Add	31.95	
For Obscure Glass, Add	35.15	
08 53 13 00-0072 EA 44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	219.39	40.33
For Colored Vinyl, Add	13.87	
For Tinted Glass, Add	16.65	
For Low-E Insulated Glass, Add	34.68	
For Obscure Glass, Add	38.15	
08 53 13 00-0073 62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0074 EA 24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	181.86	35.07
For Colored Vinyl, Add	11.17	
For Tinted Glass, Add	13.41	
For Low-E Insulated Glass, Add	27.93	
For Obscure Glass, Add	30.72	
08 53 13 00-0075 EA 28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	189.11	36.24
For Colored Vinyl, Add	11.66	
For Tinted Glass, Add	14.00	
For Low-E Insulated Glass, Add	29.16	
For Obscure Glass, Add	32.07	
08 53 13 00-0076 EA 30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	193.69	36.83
For Colored Vinyl, Add	12.00	
For Tinted Glass, Add	14.40	
For Low-E Insulated Glass, Add	30.01	
For Obscure Glass, Add	33.01	
08 53 13 00-0077 EA 32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	197.00	37.41
For Colored Vinyl, Add	12.22	
For Tinted Glass, Add	14.66	
For Low-E Insulated Glass, Add	30.55	
For Obscure Glass, Add	33.60	
08 53 13 00-0078 EA 36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	206.86	38.58
For Colored Vinyl, Add	12.97	
For Tinted Glass, Add	15.57	
For Low-E Insulated Glass, Add	32.43	
For Obscure Glass, Add	35.67	
08 53 13 00-0079 EA 44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	222.64	40.91
For Colored Vinyl, Add	14.08	
For Tinted Glass, Add	16.90	
For Low-E Insulated Glass, Add	35.20	
For Obscure Glass, Add	38.72	
08 53 13 00-0080 66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0081 EA 24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	187.60	36.24
For Colored Vinyl, Add	11.51	
For Tinted Glass, Add	13.81	
For Low-E Insulated Glass, Add	28.78	
For Obscure Glass, Add	31.66	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0082 EA 28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	194.84	37.41
For Colored Vinyl, Add	12.00	
For Tinted Glass, Add	14.40	
For Low-E Insulated Glass, Add	30.01	
For Obscure Glass, Add	33.01	
08 53 13 00-0083 EA 30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	199.65	38.00
For Colored Vinyl, Add	12.37	
For Tinted Glass, Add	14.84	
For Low-E Insulated Glass, Add	30.92	
For Obscure Glass, Add	34.01	
08 53 13 00-0084 EA 32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	202.95	38.58
For Colored Vinyl, Add	12.58	
For Tinted Glass, Add	15.10	
For Low-E Insulated Glass, Add	31.45	
For Obscure Glass, Add	34.60	
08 53 13 00-0085 EA 36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	213.07	39.75
For Colored Vinyl, Add	13.36	
For Tinted Glass, Add	16.03	
For Low-E Insulated Glass, Add	33.40	
For Obscure Glass, Add	36.73	
08 53 13 00-0086 EA 44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	229.13	42.08
For Colored Vinyl, Add	14.50	
For Tinted Glass, Add	17.40	
For Low-E Insulated Glass, Add	36.24	
For Obscure Glass, Add	39.86	
08 53 13 00-0087 72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0088 EA 24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	196.29	38.00
For Colored Vinyl, Add	12.03	
For Tinted Glass, Add	14.44	
For Low-E Insulated Glass, Add	30.08	
For Obscure Glass, Add	33.08	
08 53 13 00-0089 EA 28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	203.52	39.17
For Colored Vinyl, Add	12.52	
For Tinted Glass, Add	15.02	
For Low-E Insulated Glass, Add	31.30	
For Obscure Glass, Add	34.43	
08 53 13 00-0090 EA 30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	208.33	39.75
For Colored Vinyl, Add	12.88	
For Tinted Glass, Add	15.46	
For Low-E Insulated Glass, Add	32.21	
For Obscure Glass, Add	35.43	
08 53 13 00-0091 EA 32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	211.64	40.33
For Colored Vinyl, Add	13.10	
For Tinted Glass, Add	15.72	
For Low-E Insulated Glass, Add	32.75	
For Obscure Glass, Add	36.02	
08 53 13 00-0092 EA 36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	221.77	41.50
For Colored Vinyl, Add	13.88	
For Tinted Glass, Add	16.65	
For Low-E Insulated Glass, Add	34.69	
For Obscure Glass, Add	38.16	
08 53 13 00-0093 EA 44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	237.82	43.84
For Colored Vinyl, Add	15.01	
For Tinted Glass, Add	18.02	
For Low-E Insulated Glass, Add	37.54	
For Obscure Glass, Add	41.29	
08 53 13 00-0094 Replacement, Single Hung Vinyl Windows (Silver Line 2000) <small>(08 53 13 00-0001)</small>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0095 EA Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	202.57	30.69
For Colored Vinyl, Add	14.12	
For Tinted Glass, Add	16.94	
For Low-E Insulated Glass, Add	35.30	
For Obscure Glass, Add	38.83	
08 53 13 00-0096 EA >73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	222.02	33.61
For Colored Vinyl, Add	15.48	
For Tinted Glass, Add	18.58	
For Low-E Insulated Glass, Add	38.70	
For Obscure Glass, Add	42.57	
08 53 13 00-0097 EA >83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	240.09	36.53
For Colored Vinyl, Add	16.70	
For Tinted Glass, Add	20.04	
For Low-E Insulated Glass, Add	41.76	
For Obscure Glass, Add	45.93	
08 53 13 00-0098 EA >93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	253.32	39.46
For Colored Vinyl, Add	17.44	
For Tinted Glass, Add	20.93	
For Low-E Insulated Glass, Add	43.60	
For Obscure Glass, Add	47.96	

08 Openings**08 50 Windows**

08 53 Plastic Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0099 EA >101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	267.11	42.38
For Colored Vinyl, Add	18.24	
For Tinted Glass, Add	21.88	
For Low-E Insulated Glass, Add	45.59	
For Obscure Glass, Add	50.15	
08 53 13 00-0100 EA >110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	289.54	45.30
For Colored Vinyl, Add	19.89	
For Tinted Glass, Add	23.87	
For Low-E Insulated Glass, Add	49.73	
For Obscure Glass, Add	54.71	
08 53 13 00-0101 UI >120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	2.42	0.38
For Colored Vinyl, Add	0.17	
For Tinted Glass, Add	0.20	
For Low-E Insulated Glass, Add	0.42	
For Obscure Glass, Add	0.46	
08 53 13 00-0102 Double Hung Vinyl Windows (08 53 13)		
08 53 13 00-0103 New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0102)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0104 34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0105 EA 24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	194.91	26.88
For Colored Vinyl, Add	14.11	
For Tinted Glass, Add	16.94	
For Low-E Insulated Glass, Add	35.28	
For Obscure Glass, Add	38.81	
08 53 13 00-0106 EA 28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	202.15	28.06
For Colored Vinyl, Add	14.60	
For Tinted Glass, Add	17.52	
For Low-E Insulated Glass, Add	36.51	
For Obscure Glass, Add	40.16	
08 53 13 00-0107 EA 30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	205.67	28.64
For Colored Vinyl, Add	14.84	
For Tinted Glass, Add	17.81	
For Low-E Insulated Glass, Add	37.10	
For Obscure Glass, Add	40.81	
08 53 13 00-0108 EA 32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	208.98	29.23
For Colored Vinyl, Add	15.05	
For Tinted Glass, Add	18.06	
For Low-E Insulated Glass, Add	37.63	
For Obscure Glass, Add	41.40	
08 53 13 00-0109 EA 36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	216.86	30.40
For Colored Vinyl, Add	15.61	
For Tinted Glass, Add	18.73	
For Low-E Insulated Glass, Add	39.02	
For Obscure Glass, Add	42.92	
08 53 13 00-0110 EA 44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	230.01	32.74
For Colored Vinyl, Add	16.45	
For Tinted Glass, Add	19.74	
For Low-E Insulated Glass, Add	41.14	
For Obscure Glass, Add	45.25	
08 53 13 00-0111 36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0112 EA 24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	197.80	27.47
For Colored Vinyl, Add	14.29	
For Tinted Glass, Add	17.14	
For Low-E Insulated Glass, Add	35.72	
For Obscure Glass, Add	39.29	
08 53 13 00-0113 EA 28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	205.04	28.64
For Colored Vinyl, Add	14.78	
For Tinted Glass, Add	17.73	
For Low-E Insulated Glass, Add	36.94	
For Obscure Glass, Add	40.63	
08 53 13 00-0114 EA 30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	208.56	29.23
For Colored Vinyl, Add	15.01	
For Tinted Glass, Add	18.01	
For Low-E Insulated Glass, Add	37.53	
For Obscure Glass, Add	41.28	
08 53 13 00-0115 EA 32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	211.87	29.81
For Colored Vinyl, Add	15.23	
For Tinted Glass, Add	18.27	
For Low-E Insulated Glass, Add	38.06	
For Obscure Glass, Add	41.87	
08 53 13 00-0116 EA 36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	219.75	30.98
For Colored Vinyl, Add	15.78	
For Tinted Glass, Add	18.93	
For Low-E Insulated Glass, Add	39.45	
For Obscure Glass, Add	43.39	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0117 EA 44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	232.90	33.31
For Colored Vinyl, Add	16.63	
For Tinted Glass, Add	19.95	
For Low-E Insulated Glass, Add	41.57	
For Obscure Glass, Add	45.72	
08 53 13 00-0118 38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0119 EA 24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	200.45	28.06
For Colored Vinyl, Add	14.43	
For Tinted Glass, Add	17.32	
For Low-E Insulated Glass, Add	36.09	
For Obscure Glass, Add	39.69	
08 53 13 00-0120 EA 28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	207.69	29.23
For Colored Vinyl, Add	14.92	
For Tinted Glass, Add	17.91	
For Low-E Insulated Glass, Add	37.31	
For Obscure Glass, Add	41.04	
08 53 13 00-0121 EA 30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	211.31	29.81
For Colored Vinyl, Add	15.17	
For Tinted Glass, Add	18.20	
For Low-E Insulated Glass, Add	37.92	
For Obscure Glass, Add	41.71	
08 53 13 00-0122 EA 32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	214.62	30.40
For Colored Vinyl, Add	15.38	
For Tinted Glass, Add	18.46	
For Low-E Insulated Glass, Add	38.46	
For Obscure Glass, Add	42.30	
08 53 13 00-0123 EA 36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	222.63	31.57
For Colored Vinyl, Add	15.95	
For Tinted Glass, Add	19.14	
For Low-E Insulated Glass, Add	39.88	
For Obscure Glass, Add	43.87	
08 53 13 00-0124 EA 44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	235.92	33.90
For Colored Vinyl, Add	16.81	
For Tinted Glass, Add	20.17	
For Low-E Insulated Glass, Add	42.03	
For Obscure Glass, Add	46.23	
08 53 13 00-0125 44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0126 EA 24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	209.33	29.81
For Colored Vinyl, Add	14.97	
For Tinted Glass, Add	17.97	
For Low-E Insulated Glass, Add	37.43	
For Obscure Glass, Add	41.17	
08 53 13 00-0127 EA 28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	216.58	30.98
For Colored Vinyl, Add	15.46	
For Tinted Glass, Add	18.55	
For Low-E Insulated Glass, Add	38.66	
For Obscure Glass, Add	42.52	
08 53 13 00-0128 EA 30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	219.62	31.57
For Colored Vinyl, Add	15.65	
For Tinted Glass, Add	18.78	
For Low-E Insulated Glass, Add	39.13	
For Obscure Glass, Add	43.04	
08 53 13 00-0129 EA 32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	222.94	32.15
For Colored Vinyl, Add	15.86	
For Tinted Glass, Add	19.04	
For Low-E Insulated Glass, Add	39.66	
For Obscure Glass, Add	43.63	
08 53 13 00-0130 EA 36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	231.26	33.31
For Colored Vinyl, Add	16.46	
For Tinted Glass, Add	19.75	
For Low-E Insulated Glass, Add	41.16	
For Obscure Glass, Add	45.27	
08 53 13 00-0131 EA 44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	245.23	35.65
For Colored Vinyl, Add	17.39	
For Tinted Glass, Add	20.87	
For Low-E Insulated Glass, Add	43.48	
For Obscure Glass, Add	47.83	
08 53 13 00-0132 46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0133 EA 24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	211.97	30.40
For Colored Vinyl, Add	15.12	
For Tinted Glass, Add	18.14	
For Low-E Insulated Glass, Add	37.80	
For Obscure Glass, Add	41.57	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0134	EA		28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	219.20	31.57
			<i>For Colored Vinyl, Add</i>	15.61	
			<i>For Tinted Glass, Add</i>	18.73	
			<i>For Low-E Insulated Glass, Add</i>	39.02	
			<i>For Obscure Glass, Add</i>	42.92	
08 53 13 00-0135	EA		30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	222.41	32.15
			<i>For Colored Vinyl, Add</i>	15.81	
			<i>For Tinted Glass, Add</i>	18.97	
			<i>For Low-E Insulated Glass, Add</i>	39.53	
			<i>For Obscure Glass, Add</i>	43.48	
08 53 13 00-0136	EA		32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	225.72	32.74
			<i>For Colored Vinyl, Add</i>	16.03	
			<i>For Tinted Glass, Add</i>	19.23	
			<i>For Low-E Insulated Glass, Add</i>	40.06	
			<i>For Obscure Glass, Add</i>	44.07	
08 53 13 00-0137	EA		36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	234.14	33.90
			<i>For Colored Vinyl, Add</i>	16.63	
			<i>For Tinted Glass, Add</i>	19.96	
			<i>For Low-E Insulated Glass, Add</i>	41.58	
			<i>For Obscure Glass, Add</i>	45.74	
08 53 13 00-0138	EA		44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	248.52	36.24
			<i>For Colored Vinyl, Add</i>	17.60	
			<i>For Tinted Glass, Add</i>	21.12	
			<i>For Low-E Insulated Glass, Add</i>	44.01	
			<i>For Obscure Glass, Add</i>	48.41	
08 53 13 00-0139			48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0140	EA		24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	214.63	30.98
			<i>For Colored Vinyl, Add</i>	15.27	
			<i>For Tinted Glass, Add</i>	18.32	
			<i>For Low-E Insulated Glass, Add</i>	38.17	
			<i>For Obscure Glass, Add</i>	41.98	
08 53 13 00-0141	EA		28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	221.87	32.15
			<i>For Colored Vinyl, Add</i>	15.76	
			<i>For Tinted Glass, Add</i>	18.91	
			<i>For Low-E Insulated Glass, Add</i>	39.39	
			<i>For Obscure Glass, Add</i>	43.33	
08 53 13 00-0142	EA		30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	225.16	32.74
			<i>For Colored Vinyl, Add</i>	15.97	
			<i>For Tinted Glass, Add</i>	19.16	
			<i>For Low-E Insulated Glass, Add</i>	39.92	
			<i>For Obscure Glass, Add</i>	43.91	
08 53 13 00-0143	EA		32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	228.47	33.31
			<i>For Colored Vinyl, Add</i>	16.18	
			<i>For Tinted Glass, Add</i>	19.42	
			<i>For Low-E Insulated Glass, Add</i>	40.46	
			<i>For Obscure Glass, Add</i>	44.50	
08 53 13 00-0144	EA		36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	237.02	34.48
			<i>For Colored Vinyl, Add</i>	16.80	
			<i>For Tinted Glass, Add</i>	20.16	
			<i>For Low-E Insulated Glass, Add</i>	42.01	
			<i>For Obscure Glass, Add</i>	46.21	
08 53 13 00-0145	EA		44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	251.77	36.83
			<i>For Colored Vinyl, Add</i>	17.81	
			<i>For Tinted Glass, Add</i>	21.37	
			<i>For Low-E Insulated Glass, Add</i>	44.53	
			<i>For Obscure Glass, Add</i>	48.98	
08 53 13 00-0146			50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0147	EA		24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	217.25	31.57
			<i>For Colored Vinyl, Add</i>	15.41	
			<i>For Tinted Glass, Add</i>	18.50	
			<i>For Low-E Insulated Glass, Add</i>	38.53	
			<i>For Obscure Glass, Add</i>	42.39	
08 53 13 00-0148	EA		28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	224.51	32.74
			<i>For Colored Vinyl, Add</i>	15.90	
			<i>For Tinted Glass, Add</i>	19.08	
			<i>For Low-E Insulated Glass, Add</i>	39.76	
			<i>For Obscure Glass, Add</i>	43.74	
08 53 13 00-0149	EA		30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	227.93	33.31
			<i>For Colored Vinyl, Add</i>	16.13	
			<i>For Tinted Glass, Add</i>	19.35	
			<i>For Low-E Insulated Glass, Add</i>	40.32	
			<i>For Obscure Glass, Add</i>	44.35	
08 53 13 00-0150	EA		32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	231.24	33.90
			<i>For Colored Vinyl, Add</i>	16.34	
			<i>For Tinted Glass, Add</i>	19.61	
			<i>For Low-E Insulated Glass, Add</i>	40.86	
			<i>For Obscure Glass, Add</i>	44.94	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0151	EA		36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	239.90	35.07
			<i>For Colored Vinyl, Add</i>	16.98	
			<i>For Tinted Glass, Add</i>	20.37	
			<i>For Low-E Insulated Glass, Add</i>	42.44	
			<i>For Obscure Glass, Add</i>	46.68	
08 53 13 00-0152	EA		44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	255.05	37.41
			<i>For Colored Vinyl, Add</i>	18.02	
			<i>For Tinted Glass, Add</i>	21.63	
			<i>For Low-E Insulated Glass, Add</i>	45.06	
			<i>For Obscure Glass, Add</i>	49.56	
08 53 13 00-0153			52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0154	EA		24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	219.91	32.15
			<i>For Colored Vinyl, Add</i>	15.56	
			<i>For Tinted Glass, Add</i>	18.67	
			<i>For Low-E Insulated Glass, Add</i>	38.90	
			<i>For Obscure Glass, Add</i>	42.79	
08 53 13 00-0155	EA		28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	227.16	33.31
			<i>For Colored Vinyl, Add</i>	16.05	
			<i>For Tinted Glass, Add</i>	19.26	
			<i>For Low-E Insulated Glass, Add</i>	40.13	
			<i>For Obscure Glass, Add</i>	44.14	
08 53 13 00-0156	EA		30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	230.67	33.90
			<i>For Colored Vinyl, Add</i>	16.29	
			<i>For Tinted Glass, Add</i>	19.54	
			<i>For Low-E Insulated Glass, Add</i>	40.72	
			<i>For Obscure Glass, Add</i>	44.79	
08 53 13 00-0157	EA		32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	233.99	34.48
			<i>For Colored Vinyl, Add</i>	16.50	
			<i>For Tinted Glass, Add</i>	19.80	
			<i>For Low-E Insulated Glass, Add</i>	41.25	
			<i>For Obscure Glass, Add</i>	45.38	
08 53 13 00-0158	EA		36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	243.02	35.65
			<i>For Colored Vinyl, Add</i>	17.17	
			<i>For Tinted Glass, Add</i>	20.61	
			<i>For Low-E Insulated Glass, Add</i>	42.93	
			<i>For Obscure Glass, Add</i>	47.22	
08 53 13 00-0159	EA		44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	258.28	38.00
			<i>For Colored Vinyl, Add</i>	18.23	
			<i>For Tinted Glass, Add</i>	21.87	
			<i>For Low-E Insulated Glass, Add</i>	45.57	
			<i>For Obscure Glass, Add</i>	50.13	
08 53 13 00-0160			54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0161	EA		24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	222.57	32.74
			<i>For Colored Vinyl, Add</i>	15.71	
			<i>For Tinted Glass, Add</i>	18.85	
			<i>For Low-E Insulated Glass, Add</i>	39.28	
			<i>For Obscure Glass, Add</i>	43.20	
08 53 13 00-0162	EA		28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	229.82	33.90
			<i>For Colored Vinyl, Add</i>	16.20	
			<i>For Tinted Glass, Add</i>	19.44	
			<i>For Low-E Insulated Glass, Add</i>	40.50	
			<i>For Obscure Glass, Add</i>	44.55	
08 53 13 00-0163	EA		30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	233.46	34.48
			<i>For Colored Vinyl, Add</i>	16.45	
			<i>For Tinted Glass, Add</i>	19.74	
			<i>For Low-E Insulated Glass, Add</i>	41.12	
			<i>For Obscure Glass, Add</i>	45.23	
08 53 13 00-0164	EA		32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	236.76	35.07
			<i>For Colored Vinyl, Add</i>	16.66	
			<i>For Tinted Glass, Add</i>	19.99	
			<i>For Low-E Insulated Glass, Add</i>	41.66	
			<i>For Obscure Glass, Add</i>	45.82	
08 53 13 00-0165	EA		36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	246.13	36.24
			<i>For Colored Vinyl, Add</i>	17.37	
			<i>For Tinted Glass, Add</i>	20.84	
			<i>For Low-E Insulated Glass, Add</i>	43.41	
			<i>For Obscure Glass, Add</i>	47.75	
08 53 13 00-0166	EA		44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	261.51	38.58
			<i>For Colored Vinyl, Add</i>	18.44	
			<i>For Tinted Glass, Add</i>	22.12	
			<i>For Low-E Insulated Glass, Add</i>	46.09	
			<i>For Obscure Glass, Add</i>	50.70	
08 53 13 00-0167			60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		

08 Openings**08 50 Windows**

08 53 Plastic Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0168	EA		24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	230.55	34.48
			<i>For Colored Vinyl, Add</i>	16.16	
			<i>For Tinted Glass, Add</i>	19.39	
			<i>For Low-E Insulated Glass, Add</i>	40.39	
			<i>For Obscure Glass, Add</i>	44.43	
08 53 13 00-0169	EA		28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	237.78	35.65
			<i>For Colored Vinyl, Add</i>	16.65	
			<i>For Tinted Glass, Add</i>	19.98	
			<i>For Low-E Insulated Glass, Add</i>	41.62	
			<i>For Obscure Glass, Add</i>	45.78	
08 53 13 00-0170	EA		30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	242.24	36.24
			<i>For Colored Vinyl, Add</i>	16.98	
			<i>For Tinted Glass, Add</i>	20.37	
			<i>For Low-E Insulated Glass, Add</i>	42.44	
			<i>For Obscure Glass, Add</i>	46.68	
08 53 13 00-0171	EA		32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	245.55	36.83
			<i>For Colored Vinyl, Add</i>	17.19	
			<i>For Tinted Glass, Add</i>	20.63	
			<i>For Low-E Insulated Glass, Add</i>	42.98	
			<i>For Obscure Glass, Add</i>	47.27	
08 53 13 00-0172	EA		36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	255.45	38.00
			<i>For Colored Vinyl, Add</i>	17.95	
			<i>For Tinted Glass, Add</i>	21.54	
			<i>For Low-E Insulated Glass, Add</i>	44.87	
			<i>For Obscure Glass, Add</i>	49.35	
08 53 13 00-0173	EA		44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	271.26	40.33
			<i>For Colored Vinyl, Add</i>	19.06	
			<i>For Tinted Glass, Add</i>	22.87	
			<i>For Low-E Insulated Glass, Add</i>	47.65	
			<i>For Obscure Glass, Add</i>	52.42	
08 53 13 00-0174			62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0175	EA		24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	233.18	35.07
			<i>For Colored Vinyl, Add</i>	16.30	
			<i>For Tinted Glass, Add</i>	19.56	
			<i>For Low-E Insulated Glass, Add</i>	40.76	
			<i>For Obscure Glass, Add</i>	44.84	
08 53 13 00-0176	EA		28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	240.43	36.24
			<i>For Colored Vinyl, Add</i>	16.80	
			<i>For Tinted Glass, Add</i>	20.15	
			<i>For Low-E Insulated Glass, Add</i>	41.99	
			<i>For Obscure Glass, Add</i>	46.19	
08 53 13 00-0177	EA		30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	245.22	36.83
			<i>For Colored Vinyl, Add</i>	17.16	
			<i>For Tinted Glass, Add</i>	20.59	
			<i>For Low-E Insulated Glass, Add</i>	42.89	
			<i>For Obscure Glass, Add</i>	47.18	
08 53 13 00-0178	EA		32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	248.53	37.41
			<i>For Colored Vinyl, Add</i>	17.37	
			<i>For Tinted Glass, Add</i>	20.85	
			<i>For Low-E Insulated Glass, Add</i>	43.43	
			<i>For Obscure Glass, Add</i>	47.77	
08 53 13 00-0179	EA		36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	258.53	38.58
			<i>For Colored Vinyl, Add</i>	18.14	
			<i>For Tinted Glass, Add</i>	21.77	
			<i>For Low-E Insulated Glass, Add</i>	45.35	
			<i>For Obscure Glass, Add</i>	49.88	
08 53 13 00-0180	EA		44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	274.79	40.91
			<i>For Colored Vinyl, Add</i>	19.30	
			<i>For Tinted Glass, Add</i>	23.15	
			<i>For Low-E Insulated Glass, Add</i>	48.24	
			<i>For Obscure Glass, Add</i>	53.06	
08 53 13 00-0181			66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0182	EA		24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	238.98	36.24
			<i>For Colored Vinyl, Add</i>	16.65	
			<i>For Tinted Glass, Add</i>	19.98	
			<i>For Low-E Insulated Glass, Add</i>	41.63	
			<i>For Obscure Glass, Add</i>	45.79	
08 53 13 00-0183	EA		28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	246.22	37.41
			<i>For Colored Vinyl, Add</i>	17.14	
			<i>For Tinted Glass, Add</i>	20.57	
			<i>For Low-E Insulated Glass, Add</i>	42.85	
			<i>For Obscure Glass, Add</i>	47.14	
08 53 13 00-0184	EA		30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	251.19	38.00
			<i>For Colored Vinyl, Add</i>	17.52	
			<i>For Tinted Glass, Add</i>	21.02	
			<i>For Low-E Insulated Glass, Add</i>	43.80	
			<i>For Obscure Glass, Add</i>	48.18	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0185	EA		32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	254.49	38.58
			<i>For Colored Vinyl, Add</i>	17.73	
			<i>For Tinted Glass, Add</i>	21.28	
			<i>For Low-E Insulated Glass, Add</i>	44.34	
			<i>For Obscure Glass, Add</i>	48.77	
08 53 13 00-0186	EA		36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	264.76	39.75
			<i>For Colored Vinyl, Add</i>	18.53	
			<i>For Tinted Glass, Add</i>	22.23	
			<i>For Low-E Insulated Glass, Add</i>	46.32	
			<i>For Obscure Glass, Add</i>	50.95	
08 53 13 00-0187	EA		44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	281.60	42.08
			<i>For Colored Vinyl, Add</i>	19.74	
			<i>For Tinted Glass, Add</i>	23.69	
			<i>For Low-E Insulated Glass, Add</i>	49.36	
			<i>For Obscure Glass, Add</i>	54.29	
08 53 13 00-0188			72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0189	EA		24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	247.67	38.00
			<i>For Colored Vinyl, Add</i>	17.17	
			<i>For Tinted Glass, Add</i>	20.60	
			<i>For Low-E Insulated Glass, Add</i>	42.92	
			<i>For Obscure Glass, Add</i>	47.21	
08 53 13 00-0190	EA		28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	254.90	39.17
			<i>For Colored Vinyl, Add</i>	17.66	
			<i>For Tinted Glass, Add</i>	21.19	
			<i>For Low-E Insulated Glass, Add</i>	44.15	
			<i>For Obscure Glass, Add</i>	48.56	
08 53 13 00-0191	EA		30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	259.87	39.75
			<i>For Colored Vinyl, Add</i>	18.04	
			<i>For Tinted Glass, Add</i>	21.65	
			<i>For Low-E Insulated Glass, Add</i>	45.10	
			<i>For Obscure Glass, Add</i>	49.60	
08 53 13 00-0192	EA		32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	263.18	40.33
			<i>For Colored Vinyl, Add</i>	18.25	
			<i>For Tinted Glass, Add</i>	21.90	
			<i>For Low-E Insulated Glass, Add</i>	45.63	
			<i>For Obscure Glass, Add</i>	50.19	
08 53 13 00-0193	EA		36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	273.46	41.50
			<i>For Colored Vinyl, Add</i>	19.05	
			<i>For Tinted Glass, Add</i>	22.85	
			<i>For Low-E Insulated Glass, Add</i>	47.61	
			<i>For Obscure Glass, Add</i>	52.37	
08 53 13 00-0194	EA		44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	290.29	43.84
			<i>For Colored Vinyl, Add</i>	20.26	
			<i>For Tinted Glass, Add</i>	24.31	
			<i>For Low-E Insulated Glass, Add</i>	50.65	
			<i>For Obscure Glass, Add</i>	55.72	
08 53 13 00-0195			Replacement, Double Hung Vinyl Windows (Silver Line 8500) <small>(08 53 13 00-0102)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0196	EA		Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	237.87	30.69
			<i>For Colored Vinyl, Add</i>	17.65	
			<i>For Tinted Glass, Add</i>	21.18	
			<i>For Low-E Insulated Glass, Add</i>	44.12	
			<i>For Obscure Glass, Add</i>	48.53	
08 53 13 00-0197	EA		>73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	262.15	33.61
			<i>For Colored Vinyl, Add</i>	19.49	
			<i>For Tinted Glass, Add</i>	23.39	
			<i>For Low-E Insulated Glass, Add</i>	48.73	
			<i>For Obscure Glass, Add</i>	53.61	
08 53 13 00-0198	EA		>83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	285.06	36.53
			<i>For Colored Vinyl, Add</i>	21.20	
			<i>For Tinted Glass, Add</i>	25.44	
			<i>For Low-E Insulated Glass, Add</i>	53.00	
			<i>For Obscure Glass, Add</i>	58.30	
08 53 13 00-0199	EA		>93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	302.16	39.46
			<i>For Colored Vinyl, Add</i>	22.33	
			<i>For Tinted Glass, Add</i>	26.79	
			<i>For Low-E Insulated Glass, Add</i>	55.81	
			<i>For Obscure Glass, Add</i>	61.39	
08 53 13 00-0200	EA		>101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	320.29	42.38
			<i>For Colored Vinyl, Add</i>	23.55	
			<i>For Tinted Glass, Add</i>	28.26	
			<i>For Low-E Insulated Glass, Add</i>	58.89	
			<i>For Obscure Glass, Add</i>	64.77	
08 53 13 00-0201	EA		>110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	347.57	45.30
			<i>For Colored Vinyl, Add</i>	25.70	
			<i>For Tinted Glass, Add</i>	30.84	
			<i>For Low-E Insulated Glass, Add</i>	64.24	
			<i>For Obscure Glass, Add</i>	70.66	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0202 UI >120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	2.90	0.38
For Colored Vinyl, Add	0.21	
For Tinted Glass, Add	0.26	
For Low-E Insulated Glass, Add	0.54	
For Obscure Glass, Add	0.59	
08 53 13 00-0203 Casement Vinyl Windows (08 53 13)		
08 53 13 00-0204 New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0203)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0205 One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0204)		
08 53 13 00-0206 24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0207 EA 17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	176.82	22.21
For Colored Vinyl, Add	13.30	
For Tinted Glass, Add	15.96	
For Low-E Insulated Glass, Add	33.25	
For Obscure Glass, Add	36.57	
08 53 13 00-0208 EA 20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	183.07	22.80
For Colored Vinyl, Add	13.75	
For Tinted Glass, Add	16.50	
For Low-E Insulated Glass, Add	34.37	
For Obscure Glass, Add	37.80	
08 53 13 00-0209 EA 24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	189.89	23.97
For Colored Vinyl, Add	14.20	
For Tinted Glass, Add	17.04	
For Low-E Insulated Glass, Add	35.49	
For Obscure Glass, Add	39.04	
08 53 13 00-0210 EA 28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	201.67	25.14
For Colored Vinyl, Add	15.14	
For Tinted Glass, Add	18.17	
For Low-E Insulated Glass, Add	37.85	
For Obscure Glass, Add	41.64	
08 53 13 00-0211 28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0212 EA 17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	187.52	23.38
For Colored Vinyl, Add	14.13	
For Tinted Glass, Add	16.96	
For Low-E Insulated Glass, Add	35.34	
For Obscure Glass, Add	38.87	
08 53 13 00-0213 EA 20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	194.27	23.97
For Colored Vinyl, Add	14.63	
For Tinted Glass, Add	17.56	
For Low-E Insulated Glass, Add	36.59	
For Obscure Glass, Add	40.24	
08 53 13 00-0214 EA 24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	201.60	25.14
For Colored Vinyl, Add	15.13	
For Tinted Glass, Add	18.16	
For Low-E Insulated Glass, Add	37.83	
For Obscure Glass, Add	41.62	
08 53 13 00-0215 EA 28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	213.98	26.30
For Colored Vinyl, Add	16.14	
For Tinted Glass, Add	19.36	
For Low-E Insulated Glass, Add	40.34	
For Obscure Glass, Add	44.38	
08 53 13 00-0216 36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0217 EA 17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	200.59	25.14
For Colored Vinyl, Add	15.03	
For Tinted Glass, Add	18.04	
For Low-E Insulated Glass, Add	37.58	
For Obscure Glass, Add	41.34	
08 53 13 00-0218 EA 20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	207.59	26.30
For Colored Vinyl, Add	15.56	
For Tinted Glass, Add	18.67	
For Low-E Insulated Glass, Add	38.89	
For Obscure Glass, Add	42.78	
08 53 13 00-0219 EA 24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	215.20	27.18
For Colored Vinyl, Add	16.08	
For Tinted Glass, Add	19.30	
For Low-E Insulated Glass, Add	40.21	
For Obscure Glass, Add	44.23	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0220 EA 28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	228.06	28.35
For Colored Vinyl, Add	17.14	
For Tinted Glass, Add	20.56	
For Low-E Insulated Glass, Add	42.84	
For Obscure Glass, Add	47.12	
08 53 13 00-0221 40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0222 EA 17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	212.17	26.88
For Colored Vinyl, Add	15.90	
For Tinted Glass, Add	19.08	
For Low-E Insulated Glass, Add	39.75	
For Obscure Glass, Add	43.72	
08 53 13 00-0223 EA 20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	219.53	27.47
For Colored Vinyl, Add	16.46	
For Tinted Glass, Add	19.75	
For Low-E Insulated Glass, Add	41.15	
For Obscure Glass, Add	45.26	
08 53 13 00-0224 EA 24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	227.48	28.64
For Colored Vinyl, Add	17.02	
For Tinted Glass, Add	20.42	
For Low-E Insulated Glass, Add	42.55	
For Obscure Glass, Add	46.81	
08 53 13 00-0225 EA 28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	241.34	29.81
For Colored Vinyl, Add	18.17	
For Tinted Glass, Add	21.81	
For Low-E Insulated Glass, Add	45.43	
For Obscure Glass, Add	49.97	
08 53 13 00-0226 48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0227 EA 17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	225.60	29.23
For Colored Vinyl, Add	16.77	
For Tinted Glass, Add	20.13	
For Low-E Insulated Glass, Add	41.93	
For Obscure Glass, Add	46.13	
08 53 13 00-0228 EA 20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	233.26	29.81
For Colored Vinyl, Add	17.36	
For Tinted Glass, Add	20.84	
For Low-E Insulated Glass, Add	43.41	
For Obscure Glass, Add	47.75	
08 53 13 00-0229 EA 24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	241.53	30.98
For Colored Vinyl, Add	17.96	
For Tinted Glass, Add	21.55	
For Low-E Insulated Glass, Add	44.89	
For Obscure Glass, Add	49.38	
08 53 13 00-0230 EA 28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	256.70	32.15
For Colored Vinyl, Add	19.24	
For Tinted Glass, Add	23.09	
For Low-E Insulated Glass, Add	48.10	
For Obscure Glass, Add	52.91	
08 53 13 00-0231 52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0232 EA 17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	236.64	30.40
For Colored Vinyl, Add	17.64	
For Tinted Glass, Add	21.17	
For Low-E Insulated Glass, Add	44.11	
For Obscure Glass, Add	48.52	
08 53 13 00-0233 EA 20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	244.72	30.98
For Colored Vinyl, Add	18.28	
For Tinted Glass, Add	21.93	
For Low-E Insulated Glass, Add	45.69	
For Obscure Glass, Add	50.26	
08 53 13 00-0234 EA 24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	253.37	32.15
For Colored Vinyl, Add	18.91	
For Tinted Glass, Add	22.69	
For Low-E Insulated Glass, Add	47.27	
For Obscure Glass, Add	51.99	
08 53 13 00-0235 EA 28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	268.79	33.31
For Colored Vinyl, Add	20.22	
For Tinted Glass, Add	24.26	
For Low-E Insulated Glass, Add	50.54	
For Obscure Glass, Add	55.59	
08 53 13 00-0236 60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0237 EA 17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	249.43	32.15
For Colored Vinyl, Add	18.51	
For Tinted Glass, Add	22.22	
For Low-E Insulated Glass, Add	46.28	
For Obscure Glass, Add	50.91	
08 53 13 00-0238 EA 20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	257.91	33.31
For Colored Vinyl, Add	19.19	
For Tinted Glass, Add	23.02	
For Low-E Insulated Glass, Add	47.97	
For Obscure Glass, Add	52.76	
08 53 13 00-0239 EA 24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	266.98	34.19
For Colored Vinyl, Add	19.86	
For Tinted Glass, Add	23.83	
For Low-E Insulated Glass, Add	49.65	
For Obscure Glass, Add	54.61	
08 53 13 00-0240 EA 28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	282.63	35.36
For Colored Vinyl, Add	21.19	
For Tinted Glass, Add	25.43	
For Low-E Insulated Glass, Add	52.98	
For Obscure Glass, Add	58.28	
08 53 13 00-0241 64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0242 EA 17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	260.85	33.90
For Colored Vinyl, Add	19.36	
For Tinted Glass, Add	23.24	
For Low-E Insulated Glass, Add	48.41	
For Obscure Glass, Add	53.25	
08 53 13 00-0243 EA 20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	269.54	34.48
For Colored Vinyl, Add	20.06	
For Tinted Glass, Add	24.07	
For Low-E Insulated Glass, Add	50.14	
For Obscure Glass, Add	55.15	
08 53 13 00-0244 EA 24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	279.16	35.65
For Colored Vinyl, Add	20.79	
For Tinted Glass, Add	24.94	
For Low-E Insulated Glass, Add	51.96	
For Obscure Glass, Add	57.16	
08 53 13 00-0245 EA 28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	294.47	36.83
For Colored Vinyl, Add	22.08	
For Tinted Glass, Add	26.50	
For Low-E Insulated Glass, Add	55.21	
For Obscure Glass, Add	60.73	
08 53 13 00-0246 72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0247 EA 17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	274.98	35.65
For Colored Vinyl, Add	20.37	
For Tinted Glass, Add	24.44	
For Low-E Insulated Glass, Add	50.92	
For Obscure Glass, Add	56.01	
08 53 13 00-0248 EA 20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	284.11	36.83
For Colored Vinyl, Add	21.10	
For Tinted Glass, Add	25.32	
For Low-E Insulated Glass, Add	52.76	
For Obscure Glass, Add	58.04	
08 53 13 00-0249 EA 24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	293.34	37.70
For Colored Vinyl, Add	21.79	
For Tinted Glass, Add	26.15	
For Low-E Insulated Glass, Add	54.48	
For Obscure Glass, Add	59.93	
08 53 13 00-0250 EA 28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	308.46	38.87
For Colored Vinyl, Add	23.07	
For Tinted Glass, Add	27.69	
For Low-E Insulated Glass, Add	57.68	
For Obscure Glass, Add	63.45	
08 53 13 00-0251 Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0204)		
08 53 13 00-0252 36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0253 EA 33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	348.34	29.81
For Colored Vinyl, Add	28.87	
For Tinted Glass, Add	34.65	
For Low-E Insulated Glass, Add	72.18	
For Obscure Glass, Add	79.40	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0254 EA 40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	361.49	32.15
For Colored Vinyl, Add	29.78	
For Tinted Glass, Add	35.73	
For Low-E Insulated Glass, Add	74.45	
For Obscure Glass, Add	81.89	
08 53 13 00-0255 EA 48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	375.25	34.48
For Colored Vinyl, Add	30.69	
For Tinted Glass, Add	36.82	
For Low-E Insulated Glass, Add	76.72	
For Obscure Glass, Add	84.39	
08 53 13 00-0256 EA 56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	390.69	36.53
For Colored Vinyl, Add	31.76	
For Tinted Glass, Add	38.11	
For Low-E Insulated Glass, Add	79.41	
For Obscure Glass, Add	87.35	
08 53 13 00-0257 40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0258 EA 33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	368.72	31.27
For Colored Vinyl, Add	30.62	
For Tinted Glass, Add	36.74	
For Low-E Insulated Glass, Add	76.55	
For Obscure Glass, Add	84.20	
08 53 13 00-0259 EA 40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	382.63	33.31
For Colored Vinyl, Add	31.60	
For Tinted Glass, Add	37.92	
For Low-E Insulated Glass, Add	79.00	
For Obscure Glass, Add	86.90	
08 53 13 00-0260 EA 48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	397.12	35.65
For Colored Vinyl, Add	32.58	
For Tinted Glass, Add	39.10	
For Low-E Insulated Glass, Add	81.45	
For Obscure Glass, Add	89.60	
08 53 13 00-0261 EA 56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	412.11	38.00
For Colored Vinyl, Add	33.61	
For Tinted Glass, Add	40.33	
For Low-E Insulated Glass, Add	84.03	
For Obscure Glass, Add	92.43	
08 53 13 00-0262 48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0263 EA 33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	391.21	33.61
For Colored Vinyl, Add	32.40	
For Tinted Glass, Add	38.88	
For Low-E Insulated Glass, Add	81.00	
For Obscure Glass, Add	89.10	
08 53 13 00-0264 EA 40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	405.64	35.65
For Colored Vinyl, Add	33.43	
For Tinted Glass, Add	40.12	
For Low-E Insulated Glass, Add	83.58	
For Obscure Glass, Add	91.94	
08 53 13 00-0265 EA 48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	420.69	38.00
For Colored Vinyl, Add	34.47	
For Tinted Glass, Add	41.36	
For Low-E Insulated Glass, Add	86.18	
For Obscure Glass, Add	94.79	
08 53 13 00-0266 EA 56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	436.92	40.33
For Colored Vinyl, Add	35.63	
For Tinted Glass, Add	42.75	
For Low-E Insulated Glass, Add	89.07	
For Obscure Glass, Add	97.97	
08 53 13 00-0267 52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0268 EA 33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	411.30	34.78
For Colored Vinyl, Add	34.18	
For Tinted Glass, Add	41.01	
For Low-E Insulated Glass, Add	85.44	
For Obscure Glass, Add	93.98	
08 53 13 00-0269 EA 40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	426.47	36.83
For Colored Vinyl, Add	35.28	
For Tinted Glass, Add	42.34	
For Low-E Insulated Glass, Add	88.21	
For Obscure Glass, Add	97.03	
08 53 13 00-0270 EA 48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	442.20	39.17
For Colored Vinyl, Add	36.39	
For Tinted Glass, Add	43.67	
For Low-E Insulated Glass, Add	90.97	
For Obscure Glass, Add	100.07	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0271 EA 56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	458.71	41.50
For Colored Vinyl, Add	37.57	
For Tinted Glass, Add	45.08	
For Low-E Insulated Glass, Add	93.93	
For Obscure Glass, Add	103.32	
08 53 13 00-0272 60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0273 EA 33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	433.17	36.83
For Colored Vinyl, Add	35.95	
For Tinted Glass, Add	43.14	
For Low-E Insulated Glass, Add	89.88	
For Obscure Glass, Add	98.87	
08 53 13 00-0274 EA 40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	449.04	39.17
For Colored Vinyl, Add	37.13	
For Tinted Glass, Add	44.56	
For Low-E Insulated Glass, Add	92.83	
For Obscure Glass, Add	102.11	
08 53 13 00-0275 EA 48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	465.49	41.50
For Colored Vinyl, Add	38.31	
For Tinted Glass, Add	45.97	
For Low-E Insulated Glass, Add	95.77	
For Obscure Glass, Add	105.34	
08 53 13 00-0276 EA 56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	482.21	43.55
For Colored Vinyl, Add	39.51	
For Tinted Glass, Add	47.41	
For Low-E Insulated Glass, Add	98.78	
For Obscure Glass, Add	108.66	
08 53 13 00-0277 64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0278 EA 33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	454.45	38.29
For Colored Vinyl, Add	37.79	
For Tinted Glass, Add	45.34	
For Low-E Insulated Glass, Add	94.47	
For Obscure Glass, Add	103.91	
08 53 13 00-0279 EA 40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	470.31	40.33
For Colored Vinyl, Add	38.97	
For Tinted Glass, Add	46.76	
For Low-E Insulated Glass, Add	97.41	
For Obscure Glass, Add	107.15	
08 53 13 00-0280 EA 48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	486.70	42.67
For Colored Vinyl, Add	40.14	
For Tinted Glass, Add	48.16	
For Low-E Insulated Glass, Add	100.34	
For Obscure Glass, Add	110.37	
08 53 13 00-0281 EA 56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	503.49	45.01
For Colored Vinyl, Add	41.35	
For Tinted Glass, Add	49.62	
For Low-E Insulated Glass, Add	103.37	
For Obscure Glass, Add	113.70	
08 53 13 00-0282 72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0283 EA 33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	478.06	40.33
For Colored Vinyl, Add	39.74	
For Tinted Glass, Add	47.69	
For Low-E Insulated Glass, Add	99.35	
For Obscure Glass, Add	109.29	
08 53 13 00-0284 EA 40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	493.93	42.67
For Colored Vinyl, Add	40.92	
For Tinted Glass, Add	49.10	
For Low-E Insulated Glass, Add	102.30	
For Obscure Glass, Add	112.52	
08 53 13 00-0285 EA 48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	510.40	45.01
For Colored Vinyl, Add	42.10	
For Tinted Glass, Add	50.52	
For Low-E Insulated Glass, Add	105.24	
For Obscure Glass, Add	115.77	
08 53 13 00-0286 EA 56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	527.12	47.06
For Colored Vinyl, Add	43.30	
For Tinted Glass, Add	51.96	
For Low-E Insulated Glass, Add	108.25	
For Obscure Glass, Add	119.08	
08 53 13 00-0287 Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0204)		
08 53 13 00-0288 36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0289 EA 62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	430.52	38.00
For Colored Vinyl, Add	35.45	
For Tinted Glass, Add	42.54	
For Low-E Insulated Glass, Add	88.63	
For Obscure Glass, Add	97.50	
08 53 13 00-0290 EA 72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	451.31	40.91
For Colored Vinyl, Add	36.95	
For Tinted Glass, Add	44.34	
For Low-E Insulated Glass, Add	92.37	
For Obscure Glass, Add	101.60	
08 53 13 00-0291 EA 86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	488.18	45.30
For Colored Vinyl, Add	39.76	
For Tinted Glass, Add	47.71	
For Low-E Insulated Glass, Add	99.39	
For Obscure Glass, Add	109.33	
08 53 13 00-0292 40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0293 EA 62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	458.35	39.75
For Colored Vinyl, Add	37.94	
For Tinted Glass, Add	45.53	
For Low-E Insulated Glass, Add	94.86	
For Obscure Glass, Add	104.35	
08 53 13 00-0294 EA 72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	479.28	42.38
For Colored Vinyl, Add	39.45	
For Tinted Glass, Add	47.34	
For Low-E Insulated Glass, Add	98.63	
For Obscure Glass, Add	108.50	
08 53 13 00-0295 EA 86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	518.16	46.77
For Colored Vinyl, Add	42.46	
For Tinted Glass, Add	50.96	
For Low-E Insulated Glass, Add	106.16	
For Obscure Glass, Add	116.78	
08 53 13 00-0296 48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0297 EA 62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	484.95	42.08
For Colored Vinyl, Add	40.08	
For Tinted Glass, Add	48.09	
For Low-E Insulated Glass, Add	100.20	
For Obscure Glass, Add	110.21	
08 53 13 00-0298 EA 72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	509.38	44.72
For Colored Vinyl, Add	42.00	
For Tinted Glass, Add	50.39	
For Low-E Insulated Glass, Add	104.99	
For Obscure Glass, Add	115.49	
08 53 13 00-0299 EA 86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	549.99	49.10
For Colored Vinyl, Add	45.18	
For Tinted Glass, Add	54.21	
For Low-E Insulated Glass, Add	112.95	
For Obscure Glass, Add	124.24	
08 53 13 00-0300 52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0301 EA 62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	511.35	43.25
For Colored Vinyl, Add	42.48	
For Tinted Glass, Add	50.98	
For Low-E Insulated Glass, Add	106.21	
For Obscure Glass, Add	116.83	
08 53 13 00-0302 EA 72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	537.40	46.18
For Colored Vinyl, Add	44.51	
For Tinted Glass, Add	53.41	
For Low-E Insulated Glass, Add	111.26	
For Obscure Glass, Add	122.39	
08 53 13 00-0303 EA 86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	583.47	50.27
For Colored Vinyl, Add	48.29	
For Tinted Glass, Add	57.95	
For Low-E Insulated Glass, Add	120.73	
For Obscure Glass, Add	132.81	
08 53 13 00-0304 60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0305 EA 62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	539.48	45.30
For Colored Vinyl, Add	44.89	
For Tinted Glass, Add	53.86	
For Low-E Insulated Glass, Add	112.22	
For Obscure Glass, Add	123.44	

08	Openings
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08 53	Plastic Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0306 EA 72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	566.58	48.22
For Colored Vinyl, Add	47.01	
For Tinted Glass, Add	56.42	
For Low-E Insulated Glass, Add	117.53	
For Obscure Glass, Add	129.29	
08 53 13 00-0307 EA 86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	618.70	52.32
For Colored Vinyl, Add	51.41	
For Tinted Glass, Add	61.69	
For Low-E Insulated Glass, Add	128.52	
For Obscure Glass, Add	141.37	
08 53 13 00-0308 64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0309 EA 62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	569.55	46.77
For Colored Vinyl, Add	47.60	
For Tinted Glass, Add	57.12	
For Low-E Insulated Glass, Add	119.01	
For Obscure Glass, Add	130.91	
08 53 13 00-0310 EA 72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	596.64	49.68
For Colored Vinyl, Add	49.73	
For Tinted Glass, Add	59.67	
For Low-E Insulated Glass, Add	124.32	
For Obscure Glass, Add	136.75	
08 53 13 00-0311 EA 86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	648.76	53.78
For Colored Vinyl, Add	54.12	
For Tinted Glass, Add	64.95	
For Low-E Insulated Glass, Add	135.30	
For Obscure Glass, Add	148.83	
08 53 13 00-0312 72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0313 EA 62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	600.87	48.80
For Colored Vinyl, Add	50.33	
For Tinted Glass, Add	60.39	
For Low-E Insulated Glass, Add	125.81	
For Obscure Glass, Add	138.39	
08 53 13 00-0314 EA 72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	627.96	51.73
For Colored Vinyl, Add	52.45	
For Tinted Glass, Add	62.94	
For Low-E Insulated Glass, Add	131.13	
For Obscure Glass, Add	144.24	
08 53 13 00-0315 EA 86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	680.08	55.82
For Colored Vinyl, Add	56.84	
For Tinted Glass, Add	68.21	
For Low-E Insulated Glass, Add	142.11	
For Obscure Glass, Add	156.32	
08 53 13 00-0316 Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0203)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0317 One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)		
08 53 13 00-0318 EA Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	225.41	24.85
For Colored Vinyl, Add	17.57	
For Tinted Glass, Add	21.09	
For Low-E Insulated Glass, Add	43.93	
For Obscure Glass, Add	48.33	
08 53 13 00-0319 EA >53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	255.71	27.76
For Colored Vinyl, Add	20.02	
For Tinted Glass, Add	24.02	
For Low-E Insulated Glass, Add	50.05	
For Obscure Glass, Add	55.05	
08 53 13 00-0320 EA >63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	283.25	30.69
For Colored Vinyl, Add	22.19	
For Tinted Glass, Add	26.62	
For Low-E Insulated Glass, Add	55.47	
For Obscure Glass, Add	61.01	
08 53 13 00-0321 EA >73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	308.01	33.61
For Colored Vinyl, Add	24.08	
For Tinted Glass, Add	28.89	
For Low-E Insulated Glass, Add	60.20	
For Obscure Glass, Add	66.22	
08 53 13 00-0322 EA >83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	330.03	36.53
For Colored Vinyl, Add	25.70	
For Tinted Glass, Add	30.84	
For Low-E Insulated Glass, Add	64.24	
For Obscure Glass, Add	70.66	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0323	EA		>93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	344.02	39.46
			<i>For Colored Vinyl, Add</i>	26.51	
			<i>For Tinted Glass, Add</i>	31.81	
			<i>For Low-E Insulated Glass, Add</i>	66.28	
			<i>For Obscure Glass, Add</i>	72.91	
08 53 13 00-0324	UI		>101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	3.38	0.38
			<i>For Colored Vinyl, Add</i>	0.26	
			<i>For Tinted Glass, Add</i>	0.31	
			<i>For Low-E Insulated Glass, Add</i>	0.66	
			<i>For Obscure Glass, Add</i>	0.72	
08 53 13 00-0325 Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) <small>(08 53 13 00-0316)</small>					
08 53 13 00-0326	EA		Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	368.97	30.69
			<i>For Colored Vinyl, Add</i>	30.76	
			<i>For Tinted Glass, Add</i>	36.91	
			<i>For Low-E Insulated Glass, Add</i>	76.90	
			<i>For Obscure Glass, Add</i>	84.59	
08 53 13 00-0327	EA		>73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	405.48	33.61
			<i>For Colored Vinyl, Add</i>	33.83	
			<i>For Tinted Glass, Add</i>	40.59	
			<i>For Low-E Insulated Glass, Add</i>	84.57	
			<i>For Obscure Glass, Add</i>	93.02	
08 53 13 00-0328	EA		>83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	439.23	36.53
			<i>For Colored Vinyl, Add</i>	36.62	
			<i>For Tinted Glass, Add</i>	43.94	
			<i>For Low-E Insulated Glass, Add</i>	91.54	
			<i>For Obscure Glass, Add</i>	100.69	
08 53 13 00-0329	EA		>93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	462.62	39.46
			<i>For Colored Vinyl, Add</i>	38.37	
			<i>For Tinted Glass, Add</i>	46.05	
			<i>For Low-E Insulated Glass, Add</i>	95.93	
			<i>For Obscure Glass, Add</i>	105.52	
08 53 13 00-0330	EA		>101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	487.45	42.38
			<i>For Colored Vinyl, Add</i>	40.27	
			<i>For Tinted Glass, Add</i>	48.32	
			<i>For Low-E Insulated Glass, Add</i>	100.68	
			<i>For Obscure Glass, Add</i>	110.74	
08 53 13 00-0331	EA		>110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	513.35	45.30
			<i>For Colored Vinyl, Add</i>	42.27	
			<i>For Tinted Glass, Add</i>	50.73	
			<i>For Low-E Insulated Glass, Add</i>	105.69	
			<i>For Obscure Glass, Add</i>	116.25	
08 53 13 00-0332	UI		>120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	4.28	0.38
			<i>For Colored Vinyl, Add</i>	0.35	
			<i>For Tinted Glass, Add</i>	0.42	
			<i>For Low-E Insulated Glass, Add</i>	0.88	
			<i>For Obscure Glass, Add</i>	0.97	
08 53 13 00-0333 Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) <small>(08 53 13 00-0316)</small>					
08 53 13 00-0334	EA		Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	384.10	30.69
			<i>For Colored Vinyl, Add</i>	32.27	
			<i>For Tinted Glass, Add</i>	38.73	
			<i>For Low-E Insulated Glass, Add</i>	80.68	
			<i>For Obscure Glass, Add</i>	88.75	
08 53 13 00-0335	EA		>73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	422.26	33.61
			<i>For Colored Vinyl, Add</i>	35.50	
			<i>For Tinted Glass, Add</i>	42.60	
			<i>For Low-E Insulated Glass, Add</i>	88.76	
			<i>For Obscure Glass, Add</i>	97.64	
08 53 13 00-0336	EA		>83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	458.51	36.53
			<i>For Colored Vinyl, Add</i>	38.54	
			<i>For Tinted Glass, Add</i>	46.25	
			<i>For Low-E Insulated Glass, Add</i>	96.36	
			<i>For Obscure Glass, Add</i>	106.00	
08 53 13 00-0337	EA		>93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	483.55	39.46
			<i>For Colored Vinyl, Add</i>	40.46	
			<i>For Tinted Glass, Add</i>	48.56	
			<i>For Low-E Insulated Glass, Add</i>	101.16	
			<i>For Obscure Glass, Add</i>	111.28	
08 53 13 00-0338	EA		>101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	510.25	42.38
			<i>For Colored Vinyl, Add</i>	42.55	
			<i>For Tinted Glass, Add</i>	51.06	
			<i>For Low-E Insulated Glass, Add</i>	106.38	
			<i>For Obscure Glass, Add</i>	117.01	
08 53 13 00-0339	EA		>110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	538.21	45.30
			<i>For Colored Vinyl, Add</i>	44.76	
			<i>For Tinted Glass, Add</i>	53.71	
			<i>For Low-E Insulated Glass, Add</i>	111.90	
			<i>For Obscure Glass, Add</i>	123.09	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0340 UI >120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	4.49	0.38
For Colored Vinyl, Add	0.37	
For Tinted Glass, Add	0.45	
For Low-E Insulated Glass, Add	0.93	
For Obscure Glass, Add	1.03	
08 53 13 00-0341 Awning Vinyl Windows (08 53 13)		
08 53 13 00-0342 New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0341)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0343 Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0342)		
08 53 13 00-0344 17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)		
08 53 13 00-0345 EA 24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	226.38	23.97
For Colored Vinyl, Add	17.85	
For Tinted Glass, Add	21.41	
For Low-E Insulated Glass, Add	44.61	
For Obscure Glass, Add	49.07	
08 53 13 00-0346 EA 28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	237.01	25.14
For Colored Vinyl, Add	18.67	
For Tinted Glass, Add	22.41	
For Low-E Insulated Glass, Add	46.69	
For Obscure Glass, Add	51.35	
08 53 13 00-0347 EA 36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	253.54	27.18
For Colored Vinyl, Add	19.92	
For Tinted Glass, Add	23.90	
For Low-E Insulated Glass, Add	49.79	
For Obscure Glass, Add	54.77	
08 53 13 00-0348 EA 40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	264.27	28.64
For Colored Vinyl, Add	20.70	
For Tinted Glass, Add	24.84	
For Low-E Insulated Glass, Add	51.75	
For Obscure Glass, Add	56.92	
08 53 13 00-0349 EA 48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	281.85	30.98
For Colored Vinyl, Add	21.99	
For Tinted Glass, Add	26.39	
For Low-E Insulated Glass, Add	54.97	
For Obscure Glass, Add	60.47	
08 53 13 00-0350 20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)		
08 53 13 00-0351 EA 24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	238.49	25.14
For Colored Vinyl, Add	18.88	
For Tinted Glass, Add	22.66	
For Low-E Insulated Glass, Add	47.20	
For Obscure Glass, Add	51.92	
08 53 13 00-0352 EA 28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	249.12	26.30
For Colored Vinyl, Add	19.71	
For Tinted Glass, Add	23.65	
For Low-E Insulated Glass, Add	49.28	
For Obscure Glass, Add	54.20	
08 53 13 00-0353 EA 36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	266.79	28.06
For Colored Vinyl, Add	21.07	
For Tinted Glass, Add	25.28	
For Low-E Insulated Glass, Add	52.67	
For Obscure Glass, Add	57.94	
08 53 13 00-0354 EA 40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	277.55	29.81
For Colored Vinyl, Add	21.85	
For Tinted Glass, Add	26.22	
For Low-E Insulated Glass, Add	54.63	
For Obscure Glass, Add	60.09	
08 53 13 00-0355 EA 48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	296.26	31.86
For Colored Vinyl, Add	23.26	
For Tinted Glass, Add	27.91	
For Low-E Insulated Glass, Add	58.14	
For Obscure Glass, Add	63.95	
08 53 13 00-0356 24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)		
08 53 13 00-0357 EA 24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	246.58	26.30
For Colored Vinyl, Add	19.46	
For Tinted Glass, Add	23.35	
For Low-E Insulated Glass, Add	48.64	
For Obscure Glass, Add	53.50	
08 53 13 00-0358 EA 28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	257.21	27.47
For Colored Vinyl, Add	20.28	
For Tinted Glass, Add	24.34	
For Low-E Insulated Glass, Add	50.71	
For Obscure Glass, Add	55.78	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0359 EA 36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	275.45	29.23
For Colored Vinyl, Add	21.70	
For Tinted Glass, Add	26.04	
For Low-E Insulated Glass, Add	54.25	
For Obscure Glass, Add	59.68	
08 53 13 00-0360 EA 40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	287.14	30.98
For Colored Vinyl, Add	22.58	
For Tinted Glass, Add	27.09	
For Low-E Insulated Glass, Add	56.44	
For Obscure Glass, Add	62.08	
08 53 13 00-0361 EA 48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	306.08	33.02
For Colored Vinyl, Add	24.00	
For Tinted Glass, Add	28.80	
For Low-E Insulated Glass, Add	60.01	
For Obscure Glass, Add	66.01	
08 53 13 00-0362 28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0363 EA 24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	254.69	27.47
For Colored Vinyl, Add	20.03	
For Tinted Glass, Add	24.04	
For Low-E Insulated Glass, Add	50.08	
For Obscure Glass, Add	55.09	
08 53 13 00-0364 EA 28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	265.30	28.64
For Colored Vinyl, Add	20.86	
For Tinted Glass, Add	25.03	
For Low-E Insulated Glass, Add	52.15	
For Obscure Glass, Add	57.37	
08 53 13 00-0365 EA 36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	284.14	30.40
For Colored Vinyl, Add	22.34	
For Tinted Glass, Add	26.80	
For Low-E Insulated Glass, Add	55.84	
For Obscure Glass, Add	61.42	
08 53 13 00-0366 EA 40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	296.67	32.15
For Colored Vinyl, Add	23.30	
For Tinted Glass, Add	27.96	
For Low-E Insulated Glass, Add	58.24	
For Obscure Glass, Add	64.06	
08 53 13 00-0367 EA 48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	315.91	34.19
For Colored Vinyl, Add	24.75	
For Tinted Glass, Add	29.70	
For Low-E Insulated Glass, Add	61.88	
For Obscure Glass, Add	68.07	
08 53 13 00-0368 36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0369 EA 36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	300.88	32.45
For Colored Vinyl, Add	23.60	
For Tinted Glass, Add	28.32	
For Low-E Insulated Glass, Add	59.00	
For Obscure Glass, Add	64.90	
08 53 13 00-0370 EA 40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	313.44	33.90
For Colored Vinyl, Add	24.56	
For Tinted Glass, Add	29.48	
For Low-E Insulated Glass, Add	61.41	
For Obscure Glass, Add	67.55	
08 53 13 00-0371 EA 48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	333.82	36.24
For Colored Vinyl, Add	26.13	
For Tinted Glass, Add	31.36	
For Low-E Insulated Glass, Add	65.34	
For Obscure Glass, Add	71.87	
08 53 13 00-0372 Replacement, Awning Vinyl Windows (Silver Line 7400) <small>(08 53 13 00-0341)</small>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0373 EA Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	236.39	24.85
For Colored Vinyl, Add	18.67	
For Tinted Glass, Add	22.41	
For Low-E Insulated Glass, Add	46.68	
For Obscure Glass, Add	51.35	
08 53 13 00-0374 EA >53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	273.11	27.76
For Colored Vinyl, Add	21.76	
For Tinted Glass, Add	26.11	
For Low-E Insulated Glass, Add	54.40	
For Obscure Glass, Add	59.83	
08 53 13 00-0375 EA >63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	308.46	30.69
For Colored Vinyl, Add	24.71	
For Tinted Glass, Add	29.65	
For Low-E Insulated Glass, Add	61.77	
For Obscure Glass, Add	67.95	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0376	EA		>73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	342.41	33.61
			<i>For Colored Vinyl, Add</i>	27.52	
			<i>For Tinted Glass, Add</i>	33.02	
			<i>For Low-E Insulated Glass, Add</i>	68.80	
			<i>For Obscure Glass, Add</i>	75.68	
08 53 13 00-0377	EA		>83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	374.99	36.53
			<i>For Colored Vinyl, Add</i>	30.19	
			<i>For Tinted Glass, Add</i>	36.23	
			<i>For Low-E Insulated Glass, Add</i>	75.48	
			<i>For Obscure Glass, Add</i>	83.03	
08 53 13 00-0378	EA		>93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	392.85	39.46
			<i>For Colored Vinyl, Add</i>	31.39	
			<i>For Tinted Glass, Add</i>	37.67	
			<i>For Low-E Insulated Glass, Add</i>	78.49	
			<i>For Obscure Glass, Add</i>	86.33	
08 53 13 00-0379	UI		>101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	3.87	0.38
			<i>For Colored Vinyl, Add</i>	0.31	
			<i>For Tinted Glass, Add</i>	0.37	
			<i>For Low-E Insulated Glass, Add</i>	0.78	
			<i>For Obscure Glass, Add</i>	0.86	
08 53 13 00-0380			Horizontal Sliding Vinyl Windows (08 53 13)		
08 53 13 00-0381			New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0380)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0382			20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)		
08 53 13 00-0383	EA		36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	140.10	28.64
			<i>For Colored Vinyl, Add</i>	8.34	
			<i>For Tinted Glass, Add</i>	10.01	
			<i>For Low-E Insulated Glass, Add</i>	20.85	
			<i>For Obscure Glass, Add</i>	22.94	
08 53 13 00-0384	EA		48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	155.29	32.15
			<i>For Colored Vinyl, Add</i>	9.16	
			<i>For Tinted Glass, Add</i>	10.99	
			<i>For Low-E Insulated Glass, Add</i>	22.90	
			<i>For Obscure Glass, Add</i>	25.18	
08 53 13 00-0385	EA		54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	162.89	33.61
			<i>For Colored Vinyl, Add</i>	9.57	
			<i>For Tinted Glass, Add</i>	11.48	
			<i>For Low-E Insulated Glass, Add</i>	23.92	
			<i>For Obscure Glass, Add</i>	26.31	
08 53 13 00-0386	EA		60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	170.48	35.36
			<i>For Colored Vinyl, Add</i>	9.98	
			<i>For Tinted Glass, Add</i>	11.97	
			<i>For Low-E Insulated Glass, Add</i>	24.94	
			<i>For Obscure Glass, Add</i>	27.43	
08 53 13 00-0387	EA		64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	175.55	36.83
			<i>For Colored Vinyl, Add</i>	10.25	
			<i>For Tinted Glass, Add</i>	12.30	
			<i>For Low-E Insulated Glass, Add</i>	25.62	
			<i>For Obscure Glass, Add</i>	28.18	
08 53 13 00-0388	EA		72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	185.68	38.87
			<i>For Colored Vinyl, Add</i>	10.79	
			<i>For Tinted Glass, Add</i>	12.95	
			<i>For Low-E Insulated Glass, Add</i>	26.99	
			<i>For Obscure Glass, Add</i>	29.68	
08 53 13 00-0389			24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)		
08 53 13 00-0390	EA		36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	147.04	29.81
			<i>For Colored Vinyl, Add</i>	8.80	
			<i>For Tinted Glass, Add</i>	10.56	
			<i>For Low-E Insulated Glass, Add</i>	22.00	
			<i>For Obscure Glass, Add</i>	24.20	
08 53 13 00-0391	EA		48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	162.60	33.31
			<i>For Colored Vinyl, Add</i>	9.66	
			<i>For Tinted Glass, Add</i>	11.59	
			<i>For Low-E Insulated Glass, Add</i>	24.14	
			<i>For Obscure Glass, Add</i>	26.55	
08 53 13 00-0392	EA		54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	170.43	34.78
			<i>For Colored Vinyl, Add</i>	10.09	
			<i>For Tinted Glass, Add</i>	12.11	
			<i>For Low-E Insulated Glass, Add</i>	25.22	
			<i>For Obscure Glass, Add</i>	27.74	
08 53 13 00-0393	EA		60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	178.19	36.53
			<i>For Colored Vinyl, Add</i>	10.51	
			<i>For Tinted Glass, Add</i>	12.61	
			<i>For Low-E Insulated Glass, Add</i>	26.28	
			<i>For Obscure Glass, Add</i>	28.91	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0394 EA 64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	183.37	38.00
For Colored Vinyl, Add	10.80	
For Tinted Glass, Add	12.96	
For Low-E Insulated Glass, Add	26.99	
For Obscure Glass, Add	29.69	
08 53 13 00-0395 EA 72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	193.75	40.04
For Colored Vinyl, Add	11.37	
For Tinted Glass, Add	13.64	
For Low-E Insulated Glass, Add	28.42	
For Obscure Glass, Add	31.26	
08 53 13 00-0396 36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)		
08 53 13 00-0397 EA 36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	167.98	33.31
For Colored Vinyl, Add	10.19	
For Tinted Glass, Add	12.23	
For Low-E Insulated Glass, Add	25.48	
For Obscure Glass, Add	28.03	
08 53 13 00-0398 EA 48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	184.75	36.83
For Colored Vinyl, Add	11.17	
For Tinted Glass, Add	13.40	
For Low-E Insulated Glass, Add	27.92	
For Obscure Glass, Add	30.71	
08 53 13 00-0399 EA 54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	193.15	38.29
For Colored Vinyl, Add	11.66	
For Tinted Glass, Add	13.99	
For Low-E Insulated Glass, Add	29.14	
For Obscure Glass, Add	32.06	
08 53 13 00-0400 EA 60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	201.53	40.04
For Colored Vinyl, Add	12.15	
For Tinted Glass, Add	14.57	
For Low-E Insulated Glass, Add	30.36	
For Obscure Glass, Add	33.40	
08 53 13 00-0401 EA 64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	207.13	40.91
For Colored Vinyl, Add	12.47	
For Tinted Glass, Add	14.97	
For Low-E Insulated Glass, Add	31.18	
For Obscure Glass, Add	34.30	
08 53 13 00-0402 EA 72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	218.30	43.55
For Colored Vinyl, Add	13.12	
For Tinted Glass, Add	15.75	
For Low-E Insulated Glass, Add	32.80	
For Obscure Glass, Add	36.08	
08 53 13 00-0403 42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)		
08 53 13 00-0404 EA 36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	178.44	35.07
For Colored Vinyl, Add	10.89	
For Tinted Glass, Add	13.07	
For Low-E Insulated Glass, Add	27.22	
For Obscure Glass, Add	29.94	
08 53 13 00-0405 EA 48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	195.83	38.58
For Colored Vinyl, Add	11.93	
For Tinted Glass, Add	14.31	
For Low-E Insulated Glass, Add	29.81	
For Obscure Glass, Add	32.79	
08 53 13 00-0406 EA 54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	204.52	40.04
For Colored Vinyl, Add	12.44	
For Tinted Glass, Add	14.93	
For Low-E Insulated Glass, Add	31.11	
For Obscure Glass, Add	34.22	
08 53 13 00-0407 EA 60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	213.22	41.79
For Colored Vinyl, Add	12.96	
For Tinted Glass, Add	15.56	
For Low-E Insulated Glass, Add	32.41	
For Obscure Glass, Add	35.65	
08 53 13 00-0408 EA 64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	218.99	43.25
For Colored Vinyl, Add	13.31	
For Tinted Glass, Add	15.97	
For Low-E Insulated Glass, Add	33.27	
For Obscure Glass, Add	36.59	
08 53 13 00-0409 EA 72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	230.60	45.30
For Colored Vinyl, Add	14.00	
For Tinted Glass, Add	16.80	
For Low-E Insulated Glass, Add	35.00	
For Obscure Glass, Add	38.50	
08 53 13 00-0410 44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)		

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0411	EA		36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	181.93	35.65
			<i>For Colored Vinyl, Add</i>	11.12	
			<i>For Tinted Glass, Add</i>	13.35	
			<i>For Low-E Insulated Glass, Add</i>	27.80	
			<i>For Obscure Glass, Add</i>	30.58	
08 53 13 00-0412	EA		48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	199.52	39.17
			<i>For Colored Vinyl, Add</i>	12.18	
			<i>For Tinted Glass, Add</i>	14.61	
			<i>For Low-E Insulated Glass, Add</i>	30.45	
			<i>For Obscure Glass, Add</i>	33.49	
08 53 13 00-0413	EA		54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	208.31	40.62
			<i>For Colored Vinyl, Add</i>	12.71	
			<i>For Tinted Glass, Add</i>	15.25	
			<i>For Low-E Insulated Glass, Add</i>	31.77	
			<i>For Obscure Glass, Add</i>	34.94	
08 53 13 00-0414	EA		60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	217.10	42.38
			<i>For Colored Vinyl, Add</i>	13.24	
			<i>For Tinted Glass, Add</i>	15.88	
			<i>For Low-E Insulated Glass, Add</i>	33.09	
			<i>For Obscure Glass, Add</i>	36.40	
08 53 13 00-0415	EA		64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	222.96	43.84
			<i>For Colored Vinyl, Add</i>	13.59	
			<i>For Tinted Glass, Add</i>	16.30	
			<i>For Low-E Insulated Glass, Add</i>	33.97	
			<i>For Obscure Glass, Add</i>	37.36	
08 53 13 00-0416	EA		72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	234.67	45.89
			<i>For Colored Vinyl, Add</i>	14.29	
			<i>For Tinted Glass, Add</i>	17.15	
			<i>For Low-E Insulated Glass, Add</i>	35.73	
			<i>For Obscure Glass, Add</i>	39.30	
08 53 13 00-0417 46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)					
08 53 13 00-0418	EA		36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	185.42	36.24
			<i>For Colored Vinyl, Add</i>	11.35	
			<i>For Tinted Glass, Add</i>	13.62	
			<i>For Low-E Insulated Glass, Add</i>	28.38	
			<i>For Obscure Glass, Add</i>	31.22	
08 53 13 00-0419	EA		48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	203.20	39.75
			<i>For Colored Vinyl, Add</i>	12.43	
			<i>For Tinted Glass, Add</i>	14.91	
			<i>For Low-E Insulated Glass, Add</i>	31.07	
			<i>For Obscure Glass, Add</i>	34.18	
08 53 13 00-0420	EA		54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	212.10	41.21
			<i>For Colored Vinyl, Add</i>	12.97	
			<i>For Tinted Glass, Add</i>	15.56	
			<i>For Low-E Insulated Glass, Add</i>	32.42	
			<i>For Obscure Glass, Add</i>	35.66	
08 53 13 00-0421	EA		60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	220.97	42.96
			<i>For Colored Vinyl, Add</i>	13.51	
			<i>For Tinted Glass, Add</i>	16.21	
			<i>For Low-E Insulated Glass, Add</i>	33.76	
			<i>For Obscure Glass, Add</i>	37.14	
08 53 13 00-0422	EA		64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	226.91	44.42
			<i>For Colored Vinyl, Add</i>	13.87	
			<i>For Tinted Glass, Add</i>	16.64	
			<i>For Low-E Insulated Glass, Add</i>	34.66	
			<i>For Obscure Glass, Add</i>	38.13	
08 53 13 00-0423	EA		72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	238.77	46.47
			<i>For Colored Vinyl, Add</i>	14.58	
			<i>For Tinted Glass, Add</i>	17.50	
			<i>For Low-E Insulated Glass, Add</i>	36.46	
			<i>For Obscure Glass, Add</i>	40.10	
08 53 13 00-0424 48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)					
08 53 13 00-0425	EA		36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	188.92	36.83
			<i>For Colored Vinyl, Add</i>	11.59	
			<i>For Tinted Glass, Add</i>	13.90	
			<i>For Low-E Insulated Glass, Add</i>	28.96	
			<i>For Obscure Glass, Add</i>	31.86	
08 53 13 00-0426	EA		48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	206.90	40.33
			<i>For Colored Vinyl, Add</i>	12.68	
			<i>For Tinted Glass, Add</i>	15.22	
			<i>For Low-E Insulated Glass, Add</i>	31.71	
			<i>For Obscure Glass, Add</i>	34.88	
08 53 13 00-0427	EA		54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	215.90	41.79
			<i>For Colored Vinyl, Add</i>	13.23	
			<i>For Tinted Glass, Add</i>	15.88	
			<i>For Low-E Insulated Glass, Add</i>	33.08	
			<i>For Obscure Glass, Add</i>	36.39	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0428	EA		60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	224.87	43.55
			<i>For Colored Vinyl, Add</i>	13.78	
			<i>For Tinted Glass, Add</i>	16.53	
			<i>For Low-E Insulated Glass, Add</i>	34.45	
			<i>For Obscure Glass, Add</i>	37.89	
08 53 13 00-0429	EA		64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	230.87	45.01
			<i>For Colored Vinyl, Add</i>	14.14	
			<i>For Tinted Glass, Add</i>	16.97	
			<i>For Low-E Insulated Glass, Add</i>	35.36	
			<i>For Obscure Glass, Add</i>	38.90	
08 53 13 00-0430	EA		72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	242.87	47.06
			<i>For Colored Vinyl, Add</i>	14.88	
			<i>For Tinted Glass, Add</i>	17.85	
			<i>For Low-E Insulated Glass, Add</i>	37.19	
			<i>For Obscure Glass, Add</i>	40.91	
08 53 13 00-0431			50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0432	EA		36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	192.41	37.41
			<i>For Colored Vinyl, Add</i>	11.82	
			<i>For Tinted Glass, Add</i>	14.18	
			<i>For Low-E Insulated Glass, Add</i>	29.54	
			<i>For Obscure Glass, Add</i>	32.50	
08 53 13 00-0433	EA		48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	210.59	40.91
			<i>For Colored Vinyl, Add</i>	12.93	
			<i>For Tinted Glass, Add</i>	15.52	
			<i>For Low-E Insulated Glass, Add</i>	32.34	
			<i>For Obscure Glass, Add</i>	35.57	
08 53 13 00-0434	EA		54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	219.67	42.38
			<i>For Colored Vinyl, Add</i>	13.49	
			<i>For Tinted Glass, Add</i>	16.19	
			<i>For Low-E Insulated Glass, Add</i>	33.73	
			<i>For Obscure Glass, Add</i>	37.10	
08 53 13 00-0435	EA		60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	228.76	44.13
			<i>For Colored Vinyl, Add</i>	14.05	
			<i>For Tinted Glass, Add</i>	16.86	
			<i>For Low-E Insulated Glass, Add</i>	35.13	
			<i>For Obscure Glass, Add</i>	38.64	
08 53 13 00-0436	EA		64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	234.84	45.60
			<i>For Colored Vinyl, Add</i>	14.42	
			<i>For Tinted Glass, Add</i>	17.31	
			<i>For Low-E Insulated Glass, Add</i>	36.06	
			<i>For Obscure Glass, Add</i>	39.66	
08 53 13 00-0437	EA		72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	246.95	47.63
			<i>For Colored Vinyl, Add</i>	15.17	
			<i>For Tinted Glass, Add</i>	18.20	
			<i>For Low-E Insulated Glass, Add</i>	37.92	
			<i>For Obscure Glass, Add</i>	41.71	
08 53 13 00-0438			52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0439	EA		36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	195.90	38.00
			<i>For Colored Vinyl, Add</i>	12.05	
			<i>For Tinted Glass, Add</i>	14.46	
			<i>For Low-E Insulated Glass, Add</i>	30.12	
			<i>For Obscure Glass, Add</i>	33.13	
08 53 13 00-0440	EA		48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	214.28	41.50
			<i>For Colored Vinyl, Add</i>	13.19	
			<i>For Tinted Glass, Add</i>	15.82	
			<i>For Low-E Insulated Glass, Add</i>	32.97	
			<i>For Obscure Glass, Add</i>	36.26	
08 53 13 00-0441	EA		54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	223.46	42.96
			<i>For Colored Vinyl, Add</i>	13.75	
			<i>For Tinted Glass, Add</i>	16.50	
			<i>For Low-E Insulated Glass, Add</i>	34.39	
			<i>For Obscure Glass, Add</i>	37.82	
08 53 13 00-0442	EA		60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	232.66	44.72
			<i>For Colored Vinyl, Add</i>	14.32	
			<i>For Tinted Glass, Add</i>	17.19	
			<i>For Low-E Insulated Glass, Add</i>	35.81	
			<i>For Obscure Glass, Add</i>	39.39	
08 53 13 00-0443	EA		64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	238.79	46.18
			<i>For Colored Vinyl, Add</i>	14.70	
			<i>For Tinted Glass, Add</i>	17.64	
			<i>For Low-E Insulated Glass, Add</i>	36.76	
			<i>For Obscure Glass, Add</i>	40.43	
08 53 13 00-0444	EA		72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	251.05	48.22
			<i>For Colored Vinyl, Add</i>	15.46	
			<i>For Tinted Glass, Add</i>	18.55	
			<i>For Low-E Insulated Glass, Add</i>	38.65	
			<i>For Obscure Glass, Add</i>	42.52	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0445			54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0446	EA		36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	199.39	38.58
			<i>For Colored Vinyl, Add</i>	12.28	
			<i>For Tinted Glass, Add</i>	14.74	
			<i>For Low-E Insulated Glass, Add</i>	30.70	
			<i>For Obscure Glass, Add</i>	33.77	
08 53 13 00-0447	EA		48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	217.97	42.08
			<i>For Colored Vinyl, Add</i>	13.44	
			<i>For Tinted Glass, Add</i>	16.13	
			<i>For Low-E Insulated Glass, Add</i>	33.60	
			<i>For Obscure Glass, Add</i>	36.95	
08 53 13 00-0448	EA		54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	227.26	43.55
			<i>For Colored Vinyl, Add</i>	14.02	
			<i>For Tinted Glass, Add</i>	16.82	
			<i>For Low-E Insulated Glass, Add</i>	35.04	
			<i>For Obscure Glass, Add</i>	38.55	
08 53 13 00-0449	EA		60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	236.56	45.30
			<i>For Colored Vinyl, Add</i>	14.60	
			<i>For Tinted Glass, Add</i>	17.51	
			<i>For Low-E Insulated Glass, Add</i>	36.49	
			<i>For Obscure Glass, Add</i>	40.14	
08 53 13 00-0450	EA		64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	242.75	46.77
			<i>For Colored Vinyl, Add</i>	14.98	
			<i>For Tinted Glass, Add</i>	17.98	
			<i>For Low-E Insulated Glass, Add</i>	37.45	
			<i>For Obscure Glass, Add</i>	41.20	
08 53 13 00-0451	EA		72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	255.14	48.80
			<i>For Colored Vinyl, Add</i>	15.75	
			<i>For Tinted Glass, Add</i>	18.90	
			<i>For Low-E Insulated Glass, Add</i>	39.38	
			<i>For Obscure Glass, Add</i>	43.32	
08 53 13 00-0452			60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0453	EA		36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	215.98	40.33
			<i>For Colored Vinyl, Add</i>	13.59	
			<i>For Tinted Glass, Add</i>	16.31	
			<i>For Low-E Insulated Glass, Add</i>	33.98	
			<i>For Obscure Glass, Add</i>	37.37	
08 53 13 00-0454	EA		48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	229.04	43.84
			<i>For Colored Vinyl, Add</i>	14.20	
			<i>For Tinted Glass, Add</i>	17.03	
			<i>For Low-E Insulated Glass, Add</i>	35.49	
			<i>For Obscure Glass, Add</i>	39.04	
08 53 13 00-0455	EA		54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	238.65	45.30
			<i>For Colored Vinyl, Add</i>	14.80	
			<i>For Tinted Glass, Add</i>	17.76	
			<i>For Low-E Insulated Glass, Add</i>	37.01	
			<i>For Obscure Glass, Add</i>	40.71	
08 53 13 00-0456	EA		60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	248.23	47.06
			<i>For Colored Vinyl, Add</i>	15.41	
			<i>For Tinted Glass, Add</i>	18.49	
			<i>For Low-E Insulated Glass, Add</i>	38.53	
			<i>For Obscure Glass, Add</i>	42.38	
08 53 13 00-0457	EA		64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	254.63	48.51
			<i>For Colored Vinyl, Add</i>	15.82	
			<i>For Tinted Glass, Add</i>	18.98	
			<i>For Low-E Insulated Glass, Add</i>	39.55	
			<i>For Obscure Glass, Add</i>	43.50	
08 53 13 00-0458	EA		72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	267.41	50.56
			<i>For Colored Vinyl, Add</i>	16.63	
			<i>For Tinted Glass, Add</i>	19.95	
			<i>For Low-E Insulated Glass, Add</i>	41.57	
			<i>For Obscure Glass, Add</i>	45.73	
08 53 13 00-0459			Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700) <small>(08 53 13 00-0380)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0460	EA		Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	217.70	30.69
			<i>For Colored Vinyl, Add</i>	15.63	
			<i>For Tinted Glass, Add</i>	18.76	
			<i>For Low-E Insulated Glass, Add</i>	39.08	
			<i>For Obscure Glass, Add</i>	42.99	
08 53 13 00-0461	EA		>73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	239.22	33.61
			<i>For Colored Vinyl, Add</i>	17.20	
			<i>For Tinted Glass, Add</i>	20.64	
			<i>For Low-E Insulated Glass, Add</i>	43.00	
			<i>For Obscure Glass, Add</i>	47.30	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0462 EA >83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	259.36	36.53
For Colored Vinyl, Add	18.63	
For Tinted Glass, Add	22.35	
For Low-E Insulated Glass, Add	46.57	
For Obscure Glass, Add	51.23	
08 53 13 00-0463 EA >93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	274.25	39.46
For Colored Vinyl, Add	19.53	
For Tinted Glass, Add	23.44	
For Low-E Insulated Glass, Add	48.84	
For Obscure Glass, Add	53.72	
08 53 13 00-0464 EA >101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	289.90	42.38
For Colored Vinyl, Add	20.52	
For Tinted Glass, Add	24.62	
For Low-E Insulated Glass, Add	51.29	
For Obscure Glass, Add	56.42	
08 53 13 00-0465 EA >110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	314.41	45.30
For Colored Vinyl, Add	22.38	
For Tinted Glass, Add	26.86	
For Low-E Insulated Glass, Add	55.95	
For Obscure Glass, Add	61.55	
08 53 13 00-0466 UI >120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	2.62	0.38
For Colored Vinyl, Add	0.19	
For Tinted Glass, Add	0.22	
For Low-E Insulated Glass, Add	0.47	
For Obscure Glass, Add	0.51	
08 53 13 00-0467 Basement Vinyl Windows (08 53 13)		
08 53 13 00-0468 New Construction, Basement Vinyl Windows (Silver Line 5900) (08 53 13 00-0467)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0469 EA 32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900).....	129.66	23.38
For Colored Vinyl, Add	8.29	
For Tinted Glass, Add	9.95	
For Low-E Insulated Glass, Add	20.72	
For Obscure Glass, Add	22.79	
08 53 13 00-0470 EA 32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900).....	139.33	23.38
For Colored Vinyl, Add	9.26	
For Tinted Glass, Add	11.11	
For Low-E Insulated Glass, Add	23.14	
For Obscure Glass, Add	25.45	
08 53 13 00-0471 EA 32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900).....	144.86	23.38
For Colored Vinyl, Add	9.81	
For Tinted Glass, Add	11.77	
For Low-E Insulated Glass, Add	24.52	
For Obscure Glass, Add	26.97	
08 53 13 00-0472 Replacement, Basement Vinyl Windows (08 53 13 00-0467)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0473 EA Up To 47" UI, Replacement, Basement Vinyl Window.....	163.03	22.80
For Colored Vinyl, Add	11.74	
For Tinted Glass, Add	14.09	
For Low-E Insulated Glass, Add	29.36	
For Obscure Glass, Add	32.29	
08 53 13 00-0474 EA >47" To 55" UI, Replacement, Basement Vinyl Window.....	181.78	26.30
For Colored Vinyl, Add	12.92	
For Tinted Glass, Add	15.50	
For Low-E Insulated Glass, Add	32.29	
For Obscure Glass, Add	35.52	
08 53 13 00-0475 UI >55" UI, Replacement, Basement Vinyl Window	3.11	0.38
For Colored Vinyl, Add	0.24	
For Tinted Glass, Add	0.28	
For Low-E Insulated Glass, Add	0.59	
For Obscure Glass, Add	0.65	
08 53 13 00-0476 Accessories For Vinyl Windows (08 53 13)		
08 53 13 00-0477 Factory Installed Grilles For Vinyl Windows (08 53 13 00-0476)		
08 53 13 00-0478 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)		
08 53 13 00-0479 EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	19.34	
08 53 13 00-0480 EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	24.87	
08 53 13 00-0481 EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	32.03	
08 53 13 00-0482 EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	37.80	
08 53 13 00-0483 EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	46.47	
08 53 13 00-0484 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)		

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0485	EA		Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	43.96	
08 53 13 00-0486	EA		>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	52.75	
08 53 13 00-0487	EA		>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	66.56	
08 53 13 00-0488	EA		>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	82.89	
08 53 13 00-0489	EA		>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	99.22	

08 53 66 Vinyl Window Screens (08 53)**08 53 66 00-0001 Insect Screens For Vinyl Windows (08 53 66)**

08 53 66 00-0002	EA		Up To 6 SF, Insect Screen For Vinyl Windows	23.04	5.24
08 53 66 00-0003	EA		>6 To 9 SF, Insect Screen For Vinyl Windows	30.57	5.24
08 53 66 00-0004	EA		>9 To 12 SF, Insect Screen For Vinyl Windows	33.09	5.24
08 53 66 00-0005	EA		>12 To 15 SF, Insect Screen For Vinyl Windows	38.11	5.24
08 53 66 00-0006	EA		>15 To 20 SF, Insect Screen For Vinyl Windows	49.41	5.24
08 53 66 00-0007	EA		>20 To 25 SF, Insect Screen For Vinyl Windows	54.44	5.24
08 53 66 00-0008	EA		>25 To 30 SF, Insect Screen For Vinyl Windows	61.97	5.24
08 53 66 00-0009	EA		>30 To 35 SF, Insect Screen For Vinyl Windows	67.00	5.24
08 53 66 00-0010	SF		>35 SF, Insect Screen For Vinyl Windows	2.02	0.10

08 56 Special Function Windows (08 50)**08 56 19 Pass Windows (08 56)****08 56 19 00-0001 Bullet Resistant Pass Through Service Window, Steel Frame (08 56 19)**

08 56 19 00-0002	EA		24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	2,209.54	402.67
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	45.00	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	295.00	
08 56 19 00-0003	EA		30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	2,418.53	436.23
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	60.00	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	370.00	
08 56 19 00-0004	EA		36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	2,550.06	469.78
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	70.00	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	445.00	
08 56 19 00-0005	EA		48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	3,174.48	536.89
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	100.00	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	650.00	
08 56 19 00-0006	EA		72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	4,333.40	805.34
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	150.00	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	975.00	

08 56 56 Security Window Screens (08 56)

Note: All security window screens include frame and mounting hardware. Operable security screens include hinges and related hardware.

08 56 56 00-0001 Wire Mesh Security Screen (08 56 56)**08 56 56 00-0002 Wire Mesh, Inoperable, Security Window Screen (08 56 56 00-0001)**

08 56 56 00-0003	SF		13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	12.74	3.02
			<i>For Painted Steel, Add</i>	0.87	
			<i>For Galvanized Steel, Add</i>	1.74	
			<i>For Aluminum, Add</i>	3.49	
			<i>For Stainless Steel, Add</i>	15.26	
08 56 56 00-0004	SF		11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	12.99	3.02
			<i>For Painted Steel, Add</i>	0.90	
			<i>For Galvanized Steel, Add</i>	1.79	
			<i>For Aluminum, Add</i>	3.59	
			<i>For Stainless Steel, Add</i>	15.70	
08 56 56 00-0005	SF		9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	14.14	3.02
			<i>For Painted Steel, Add</i>	1.01	
			<i>For Galvanized Steel, Add</i>	2.02	
			<i>For Aluminum, Add</i>	4.05	
			<i>For Stainless Steel, Add</i>	17.71	
08 56 56 00-0006	SF		6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	16.60	3.02
			<i>For Painted Steel, Add</i>	1.26	
			<i>For Galvanized Steel, Add</i>	2.52	
			<i>For Aluminum, Add</i>	5.03	
			<i>For Stainless Steel, Add</i>	22.02	

08 56 56 00-0007 Wire Mesh, Operable, Security Window Screen (08 56 56 00-0001)

08 56 56 00-0008	SF		13 Gauge, Wire Mesh, Operable, Steel Security Window Screen	17.78	3.69
			<i>For Painted Steel, Add</i>	1.24	
			<i>For Galvanized Steel, Add</i>	2.48	
			<i>For Aluminum, Add</i>	4.97	
			<i>For Stainless Steel, Add</i>	21.74	



Openings	08	08
Windows	08 50	
Special Function Windows	08 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0009 SF 11 Gauge, Wire Mesh, Operable, Steel Security Window Screen <i>For Painted Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	18.16 1.28 2.56 5.12 22.40	3.69
08 56 56 00-0010 SF 9 Gauge, Wire Mesh, Operable, Steel Security Window Screen <i>For Painted Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	19.81 1.45 2.89 5.78 25.29	3.69
08 56 56 00-0011 SF 6 Gauge, Wire Mesh, Operable, Steel Security Window Screen <i>For Painted Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	23.26 1.79 3.58 7.16 31.33	3.69
08 56 56 00-0012 Wire Cloth Security Screen (08 56 56) Note: Wire cloth has from 10 to 12 strands per 1".		
08 56 56 00-0013 Wire Cloth, Inoperable, Security Window Screens (08 56 56 00-0012)		
08 56 56 00-0014 SF 24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen <i>For Painted Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	8.56 0.26 0.78 1.56 6.50	2.02
08 56 56 00-0015 SF 22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen <i>For Painted Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	8.91 0.28 0.83 1.67 6.94	2.02
08 56 56 00-0016 SF 20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen <i>For Painted Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	9.46 0.31 0.92 1.83 7.63	2.02
08 56 56 00-0017 SF 18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen <i>For Painted Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	10.51 0.36 1.07 2.15 8.94	2.02
08 56 56 00-0018 Wire Cloth, Operable, Security Window Screens (08 56 56 00-0012)		
08 56 56 00-0019 SF 24 Gauge, Wire Cloth, Operable, Steel Security Window Screen..... <i>For Painted Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	11.43 0.37 1.11 2.22 9.26	2.68
08 56 56 00-0020 SF 22 Gauge, Wire Cloth, Operable, Steel Security Window Screen..... <i>For Painted Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	11.97 0.40 1.19 2.39 9.94	2.68
08 56 56 00-0021 SF 20 Gauge, Wire Cloth, Operable, Steel Security Window Screen..... <i>For Painted Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	12.72 0.44 1.31 2.61 10.88	2.68
08 56 56 00-0022 SF 18 Gauge, Wire Cloth, Operable, Steel Security Window Screen..... <i>For Painted Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	14.22 0.51 1.53 3.06 12.75	2.68
08 56 56 00-0023 Expanded Metal Security Screen (08 56 56) Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.		
08 56 56 00-0024 Expanded Metal, Inoperable, Security Screen (08 56 56 00-0023)		
08 56 56 00-0025 SF 1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen <i>For Painted Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	16.19 0.51 1.52 3.05 12.09	5.03
08 56 56 00-0026 SF 1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen <i>For Painted Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	18.98 0.58 1.74 3.48 14.50	6.04
08 56 56 00-0027 SF 3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen <i>For Painted Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	21.37 0.63 1.90 3.80 15.81	7.38

08 Openings**08 50 Windows****08 56 Special Function Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0028 SF 3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen.....	25.19	8.72
For Painted Steel, Add	0.72	
For Galvanized Steel, Add	2.17	
For Aluminum, Add	4.34	
For Stainless Steel, Add	18.06	
08 56 56 00-0029 SF 1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen	23.46	8.39
For Painted Steel, Add	0.67	
For Galvanized Steel, Add	2.01	
For Aluminum, Add	4.02	
For Stainless Steel, Add	16.75	
08 56 56 00-0030 SF 3 LB/SF Expanded Metal, Inoperable, Steel Security Window Screen	29.61	10.74
For Painted Steel, Add	0.84	
For Galvanized Steel, Add	2.53	
For Aluminum, Add	5.06	
For Stainless Steel, Add	21.06	
08 56 56 00-0031 Expanded Metal, Operable, Security Screen (08 56 56 00-0023)		
08 56 56 00-0032 SF 1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen.....	21.83	6.04
For Painted Steel, Add	0.72	
For Galvanized Steel, Add	2.17	
For Aluminum, Add	4.34	
For Stainless Steel, Add	18.06	
08 56 56 00-0033 SF 1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	25.27	7.38
For Painted Steel, Add	0.83	
For Galvanized Steel, Add	2.48	
For Aluminum, Add	4.97	
For Stainless Steel, Add	20.69	
08 56 56 00-0034 SF 3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	28.11	8.39
For Painted Steel, Add	0.90	
For Galvanized Steel, Add	2.71	
For Aluminum, Add	5.42	
For Stainless Steel, Add	22.56	
08 56 56 00-0035 SF 1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen.....	30.50	9.40
For Painted Steel, Add	0.96	
For Galvanized Steel, Add	2.87	
For Aluminum, Add	5.73	
For Stainless Steel, Add	23.88	
08 56 56 00-0036 SF 3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen.....	33.35	10.74
For Painted Steel, Add	1.03	
For Galvanized Steel, Add	3.09	
For Aluminum, Add	6.18	
For Stainless Steel, Add	25.74	
08 56 56 00-0037 SF 3 LB/SF Expanded Metal, Operable, Steel Security Window Screen	38.10	11.75
For Painted Steel, Add	1.20	
For Galvanized Steel, Add	3.60	
For Aluminum, Add	7.20	
For Stainless Steel, Add	30.00	
08 56 56 00-0038 Perforated Metal Security Screen (08 56 56)		
08 56 56 00-0039 Perforated Metal, Inoperable, Steel Security Window Screen (08 56 56 00-0038)		
08 56 56 00-0040 SF 22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	14.12	3.02
For Painted Steel, Add	0.51	
For Galvanized Steel, Add	1.52	
For Aluminum, Add	3.03	
For Stainless Steel, Add	10.10	
08 56 56 00-0041 SF 20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	14.52	3.02
For Painted Steel, Add	0.53	
For Galvanized Steel, Add	1.58	
For Aluminum, Add	3.15	
For Stainless Steel, Add	10.50	
08 56 56 00-0042 SF 18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	15.87	3.02
For Painted Steel, Add	0.59	
For Galvanized Steel, Add	1.78	
For Aluminum, Add	3.56	
For Stainless Steel, Add	11.85	
08 56 56 00-0043 SF 16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	18.42	3.02
For Painted Steel, Add	0.72	
For Galvanized Steel, Add	2.16	
For Aluminum, Add	4.32	
For Stainless Steel, Add	14.40	
08 56 56 00-0044 Perforated Metal, Operable, Steel Security Window Screen (08 56 56 00-0038)		
08 56 56 00-0045 SF 22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	19.71	3.69
For Painted Steel, Add	0.72	
For Galvanized Steel, Add	2.15	
For Aluminum, Add	4.31	
For Stainless Steel, Add	14.35	



Openings	08	08
Windows	08 50	
Special Function Windows	08 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0046 SF 20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	20.41	3.69
For Painted Steel, Add	0.75	
For Galvanized Steel, Add	2.26	
For Aluminum, Add	4.52	
For Stainless Steel, Add	15.05	
08 56 56 00-0047 SF 18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	22.16	3.69
For Painted Steel, Add	0.84	
For Galvanized Steel, Add	2.52	
For Aluminum, Add	5.04	
For Stainless Steel, Add	16.80	
08 56 56 00-0048 SF 16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	25.81	3.69
For Painted Steel, Add	1.02	
For Galvanized Steel, Add	3.07	
For Aluminum, Add	6.14	
For Stainless Steel, Add	20.45	
08 56 56 00-0049 Remove And Reinstall Security Screens And Guards (08 56 56)		
08 56 56 00-0050 SF Removal And Reinstallation Of Security Screens	8.45	
08 56 59 Service And Teller Window Units (08 56)		
08 56 59 00-0001 Communicator For Window (08 56 59)		
08 56 59 00-0002 EA Electronic Two-Way Talk-thru Hands-Free Audio Communicator (Haven SC-350)	1,362.25	134.22
Note: Communicator is designed for applications where a fire shutter or window shade is present. Two-way communication is accomplished through the use of speakers and micro-phones located on each side of the partition. The Master unit is equipped with a 15" gooseneck microphone, power on/off switch, power-on LED, and external volume controls. The Remote Unit is window-mounted and may incorporate a level 3 bullet-resistive insert.		
08 56 59 00-0003 EA Electronic Two-Way Audio Communicator (Haven SC-300)	1,190.93	134.22
Note: Communicator is designed for application where a cutout in the barrier is impractical. Two-way communication is accomplished through the use of speakers and microphones located on each side of the partition. The master unit is equipped with a 20" gooseneck microphone, power on/off switch, power-on LED, and external volume controls. The Remote unit is vandal-resistant with all controls located within the housing.		
08 60 Roof Windows And Skylights (08)		
Note: Includes hardware, caulk, sealant and necessary anchors.		
08 62 Unit Skylights (08 60)		
08 62 23 Tubular Skylights (08 62)		
08 62 23 00-0001 Aluminum Framed Solar Tube Skylights (08 62 23)		
Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.		
08 62 23 00-0002 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights (08 62 23 00-0001)		
08 62 23 00-0003 EA 2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	624.74	96.87
For Class 3 Hail Rated, Add	4.00	
For Polycarbonate Diffuser Lens, Add	7.00	
For High Velocity Hurricane Zone Rated, Add	14.00	
For FM Approved, Add	20.00	
For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
For Single Blade Louver, Add	479.37	
08 62 23 00-0004 EA 3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	659.59	99.29
For Class 3 Hail Rated, Add	4.00	
For Polycarbonate Diffuser Lens, Add	7.00	
For High Velocity Hurricane Zone Rated, Add	14.00	
For FM Approved, Add	20.00	
For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
For Single Blade Louver, Add	479.86	
08 62 23 00-0005 EA 4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	693.43	101.71
For Class 3 Hail Rated, Add	4.00	
For Polycarbonate Diffuser Lens, Add	7.00	
For High Velocity Hurricane Zone Rated, Add	14.00	
For FM Approved, Add	20.00	
For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
For Single Blade Louver, Add	480.34	

08 Openings**08 60 Roof Windows And Skylights****08 62 Unit Skylights**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 62 23 00-0006	EA	5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	741.27		104.14
		<i>For Class 3 Hail Rated, Add</i>	4.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	20.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00		
		<i>For Single Blade Louver, Add</i>	480.83		
08 62 23 00-0007	EA	6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	783.11		106.56
		<i>For Class 3 Hail Rated, Add</i>	4.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	20.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00		
		<i>For Single Blade Louver, Add</i>	481.31		
08 62 23 00-0008	EA	7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	816.96		108.98
		<i>For Class 3 Hail Rated, Add</i>	4.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	20.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00		
		<i>For Single Blade Louver, Add</i>	481.80		
08 62 23 00-0009	EA	8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	850.81		111.40
		<i>For Class 3 Hail Rated, Add</i>	4.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	20.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00		
		<i>For Single Blade Louver, Add</i>	482.28		
08 62 23 00-0010	EA	9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	906.65		113.82
		<i>For Class 3 Hail Rated, Add</i>	4.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	20.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00		
		<i>For Single Blade Louver, Add</i>	482.77		
08 62 23 00-0011	EA	10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	940.49		116.24
		<i>For Class 3 Hail Rated, Add</i>	4.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	20.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00		
		<i>For Single Blade Louver, Add</i>	483.25		
08 62 23 00-0012	EA	11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	975.34		118.66
		<i>For Class 3 Hail Rated, Add</i>	4.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	20.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00		
		<i>For Single Blade Louver, Add</i>	483.73		
08 62 23 00-0013	EA	12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,009.18		121.08
		<i>For Class 3 Hail Rated, Add</i>	4.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	20.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00		
		<i>For Single Blade Louver, Add</i>	484.22		
08 62 23 00-0014	EA	13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,065.02		123.52
		<i>For Class 3 Hail Rated, Add</i>	4.00		
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00		
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00		
		<i>For FM Approved, Add</i>	20.00		
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00		
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00		
		<i>For Single Blade Louver, Add</i>	484.70		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0015	EA			14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,098.86	125.94
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	485.19	
08 62 23 00-0016	EA			15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,132.71	128.36
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	485.67	
08 62 23 00-0017	EA			16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,166.55	130.78
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	486.16	
08 62 23 00-0018				31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights <small>(08 62 23 00-0001)</small>		
08 62 23 00-0019	EA			2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	759.74	96.87
				<i>For Class 3 Hail Rated, Add</i>	5.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	22.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
				<i>For Single Blade Louver, Add</i>	479.37	
08 62 23 00-0020	EA			3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	807.59	99.29
				<i>For Class 3 Hail Rated, Add</i>	5.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	22.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
				<i>For Single Blade Louver, Add</i>	479.86	
08 62 23 00-0021	EA			4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	855.43	101.71
				<i>For Class 3 Hail Rated, Add</i>	5.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	22.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
				<i>For Single Blade Louver, Add</i>	480.34	
08 62 23 00-0022	EA			5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	903.27	104.14
				<i>For Class 3 Hail Rated, Add</i>	5.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	22.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
				<i>For Single Blade Louver, Add</i>	480.83	
08 62 23 00-0023	EA			6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	981.11	106.56
				<i>For Class 3 Hail Rated, Add</i>	5.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	22.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
				<i>For Single Blade Louver, Add</i>	481.31	
08 62 23 00-0024	EA			7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,028.96	108.98
				<i>For Class 3 Hail Rated, Add</i>	5.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	22.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
				<i>For Single Blade Louver, Add</i>	481.80	

08 Openings**08 60 Roof Windows And Skylights****08 62 Unit Skylights**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 62 23 00-0025	EA 8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,076.81	111.40
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	482.28	
08 62 23 00-0026	EA 9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,154.65	113.82
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	482.77	
08 62 23 00-0027	EA 10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,202.49	116.24
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	483.25	
08 62 23 00-0028	EA 11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,250.34	118.66
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	483.73	
08 62 23 00-0029	EA 12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,298.18	121.08
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	484.22	
08 62 23 00-0030	EA 13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,376.02	123.52
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	484.70	
08 62 23 00-0031	EA 14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,423.86	125.94
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	485.19	
08 62 23 00-0032	EA 15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,471.71	128.36
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	485.67	
08 62 23 00-0033	EA 16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,519.55	130.78
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	486.16	
08 62 23 00-0034	55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights (08 62 23 00-0001)		



Openings	08
Roof Windows And Skylights	08 60
Unit Skylights	08 62

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0035 EA 2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,016.96	108.98
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	481.80	
08 62 23 00-0036 EA 3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,083.81	111.40
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	482.28	
08 62 23 00-0037 EA 4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,151.65	113.82
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	482.77	
08 62 23 00-0038 EA 5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,218.49	116.24
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	483.25	
08 62 23 00-0039 EA 6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,325.34	118.66
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	483.73	
08 62 23 00-0040 EA 7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,392.18	121.08
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	484.22	
08 62 23 00-0041 EA 8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,459.02	123.52
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	484.70	
08 62 23 00-0042 EA 9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,566.86	125.94
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	485.19	
08 62 23 00-0043 EA 10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,633.71	128.36
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	485.67	

08 Openings**08 60 Roof Windows And Skylights****08 62 Unit Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0044	EA		11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,700.55	130.78
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	486.16	
08 62 23 00-0045	EA		12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,767.40	133.20
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	486.64	
08 62 23 00-0046	EA		13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,874.24	135.62
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	487.12	
08 62 23 00-0047	EA		14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,941.09	138.04
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	487.61	
08 62 23 00-0048	EA		15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,008.93	140.46
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	488.09	
08 62 23 00-0049	EA		16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,075.77	142.89
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	488.58	

08 63 Metal-Framed Skylights (08 60)**08 63 13 Domed Metal-Framed Skylights** (08 63)08 63 13 00-0001 Aluminum Framed Skylights (08 63 13)08 63 13 00-0002 Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0001)08 63 13 00-0003 Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0002)08 63 13 00-0004 Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0005	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	219.87	48.44
08 63 13 00-0006	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	254.87	48.44
08 63 13 00-0007	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	349.98	54.49
08 63 13 00-0008	EA		27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	396.08	60.54
08 63 13 00-0009	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	272.87	48.44
08 63 13 00-0010	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	336.98	54.49
08 63 13 00-0011	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	358.98	54.49
08 63 13 00-0012	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	414.08	60.54



Openings	08	08
Roof Windows And Skylights	08 60	
Metal-Framed Skylights	08 63	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0013 EA 39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	484.20	66.60
08 63 13 00-0014 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	340.98	54.49
08 63 13 00-0015 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	377.08	60.54
08 63 13 00-0016 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	419.08	60.54
08 63 13 00-0017 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	461.20	66.60
08 63 13 00-0018 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	511.31	72.66
08 63 13 00-0019 EA 52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	576.41	78.71
08 63 13 00-0020 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	407.08	60.54
08 63 13 00-0021 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	448.20	66.60
08 63 13 00-0022 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	512.31	72.66
08 63 13 00-0023 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	538.31	72.66
08 63 13 00-0024 EA 63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	623.41	78.71
08 63 13 00-0025 Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0026 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	269.87	48.44
08 63 13 00-0027 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	303.87	48.44
08 63 13 00-0028 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	388.98	54.49
08 63 13 00-0029 EA 27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	436.08	60.54
08 63 13 00-0030 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	308.87	48.44
08 63 13 00-0031 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	364.98	54.49
08 63 13 00-0032 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	388.98	54.49
08 63 13 00-0033 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	448.08	60.54
08 63 13 00-0034 EA 39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	504.20	66.60
08 63 13 00-0035 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	368.98	54.49
08 63 13 00-0036 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	409.08	60.54
08 63 13 00-0037 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	436.08	60.54
08 63 13 00-0038 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	480.20	66.60
08 63 13 00-0039 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	521.31	72.66
08 63 13 00-0040 EA 52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	587.41	78.71
08 63 13 00-0041 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	440.08	60.54
08 63 13 00-0042 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	484.20	66.60
08 63 13 00-0043 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	533.31	72.66
08 63 13 00-0044 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	561.31	72.66
08 63 13 00-0045 EA 63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	638.41	78.71
08 63 13 00-0046 High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0047 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	273.87	48.44
08 63 13 00-0048 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	311.87	48.44
08 63 13 00-0049 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	399.98	54.49

08 Openings**08 60 Roof Windows And Skylights****08 63 Metal-Framed Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0050	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	318.87	48.44
08 63 13 00-0051	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	378.98	54.49
08 63 13 00-0052	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	399.98	54.49
08 63 13 00-0053	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	460.08	60.54
08 63 13 00-0054	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	377.98	54.49
08 63 13 00-0055	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	417.08	60.54
08 63 13 00-0056	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	449.08	60.54
08 63 13 00-0057	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	493.20	66.60
08 63 13 00-0058	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	537.31	72.66
08 63 13 00-0059	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	452.08	60.54
08 63 13 00-0060	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	500.20	66.60
08 63 13 00-0061	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	549.31	72.66
08 63 13 00-0062	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	577.31	72.66
08 63 13 00-0063			FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0003)</small>		
			Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0064	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	280.87	48.44
08 63 13 00-0065	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	322.87	48.44
08 63 13 00-0066	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	409.98	54.49
08 63 13 00-0067	EA		27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	472.08	60.54
08 63 13 00-0068	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	328.87	48.44
08 63 13 00-0069	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	387.98	54.49
08 63 13 00-0070	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	409.98	54.49
08 63 13 00-0071	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	475.08	60.54
08 63 13 00-0072	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	388.98	54.49
08 63 13 00-0073	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	428.08	60.54
08 63 13 00-0074	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	463.08	60.54
08 63 13 00-0075	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	508.20	66.60
08 63 13 00-0076	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	553.31	72.66
08 63 13 00-0077	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	467.08	60.54
08 63 13 00-0078	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	515.20	66.60
08 63 13 00-0079	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	565.31	72.66
08 63 13 00-0080	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	595.31	72.66
08 63 13 00-0081			Curb Top Inserts <small>(08 63 13 00-0003)</small>		
			Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb.		
08 63 13 00-0082			Single Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0081)</small>		
08 63 13 00-0083	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	84.44	24.21
08 63 13 00-0084	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	119.49	27.25
08 63 13 00-0085	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	204.66	36.33
08 63 13 00-0086	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	189.60	33.30
08 63 13 00-0087	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	232.66	36.33
08 63 13 00-0088			Double Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0081)</small>		
08 63 13 00-0089	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	125.44	24.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0090 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	198.49	27.25
08 63 13 00-0091 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	347.66	36.33
08 63 13 00-0092 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	341.60	33.30
08 63 13 00-0093 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	430.66	36.33
08 63 13 00-0094 Triple Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0081)</small>		
08 63 13 00-0095 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	165.44	24.21
08 63 13 00-0096 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	273.49	27.25
08 63 13 00-0097 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	523.66	36.33
08 63 13 00-0098 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	483.60	33.30
08 63 13 00-0099 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	614.66	36.33
08 63 13 00-0100 Pyramid Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0002)</small>		
08 63 13 00-0101 Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0100)</small>		
<small>Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.</small>		
08 63 13 00-0102 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	201.87	48.44
08 63 13 00-0103 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	244.87	48.44
08 63 13 00-0104 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	312.98	54.49
08 63 13 00-0105 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	396.08	60.54
08 63 13 00-0106 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0100)</small>		
<small>Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.</small>		
08 63 13 00-0107 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	279.87	48.44
08 63 13 00-0108 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	324.87	48.44
08 63 13 00-0109 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	385.98	54.49
08 63 13 00-0110 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	463.08	60.54
08 63 13 00-0111 Double Hip Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0002)</small>		
08 63 13 00-0112 Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0111)</small>		
<small>Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.</small>		
08 63 13 00-0113 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	238.87	48.44
08 63 13 00-0114 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	319.98	54.49
08 63 13 00-0115 EA 27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	380.08	60.54
08 63 13 00-0116 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	298.98	54.49
08 63 13 00-0117 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	319.98	54.49
08 63 13 00-0118 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	392.08	60.54
08 63 13 00-0119 EA 39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	463.20	66.60
08 63 13 00-0120 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	350.08	60.54
08 63 13 00-0121 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	380.08	60.54
08 63 13 00-0122 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	425.20	66.60
08 63 13 00-0123 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	467.31	72.66
08 63 13 00-0124 EA 52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	554.41	78.71
08 63 13 00-0125 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	437.20	66.60
08 63 13 00-0126 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	497.31	72.66
08 63 13 00-0127 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	528.31	72.66
08 63 13 00-0128 EA 63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	612.41	78.71

08 Openings**08 60 Roof Windows And Skylights****08 63 Metal-Framed Skylights**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0129			Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0111)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0130	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	272.87	48.44
08 63 13 00-0131	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	308.87	48.44
08 63 13 00-0132	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	393.98	54.49
08 63 13 00-0133	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	315.87	48.44
08 63 13 00-0134	EA		39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	353.98	54.49
08 63 13 00-0135	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	372.98	54.49
08 63 13 00-0136	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	393.98	54.49
08 63 13 00-0137	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	455.08	60.54
08 63 13 00-0138	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	373.98	54.49
08 63 13 00-0139	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	413.08	60.54
08 63 13 00-0140	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	443.08	60.54
08 63 13 00-0141	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	486.20	66.60
08 63 13 00-0142	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	529.31	72.66
08 63 13 00-0143	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	445.08	60.54
08 63 13 00-0144	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	493.20	66.60
08 63 13 00-0145	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	541.31	72.66
08 63 13 00-0146	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	568.31	72.66
08 63 13 00-0147			Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0111)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0148	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	305.87	48.44
08 63 13 00-0149	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	406.98	54.49
08 63 13 00-0150	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	383.98	54.49
08 63 13 00-0151	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	406.98	54.49
08 63 13 00-0152	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	471.08	60.54
08 63 13 00-0153	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	425.08	60.54
08 63 13 00-0154	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	458.08	60.54
08 63 13 00-0155	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	504.20	66.60
08 63 13 00-0156	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	545.31	72.66
08 63 13 00-0157	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	511.20	66.60
08 63 13 00-0158	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	561.31	72.66
08 63 13 00-0159	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	590.31	72.66
08 63 13 00-0160			Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0001)</small>		
08 63 13 00-0161			Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0160)</small> Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing.		
08 63 13 00-0162			Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0161)</small>		
08 63 13 00-0163			10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0162)</small>		



Openings	08	08
Roof Windows And Skylights	08 60	
Metal-Framed Skylights	08 63	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0164 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,313.31	72.66
08 63 13 00-0165 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,222.31	72.66
08 63 13 00-0166 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,380.31	72.66
08 63 13 00-0167 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0162)		
08 63 13 00-0168 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,712.31	72.66
08 63 13 00-0169 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,625.31	72.66
08 63 13 00-0170 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,803.31	72.66
08 63 13 00-0171 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0162)		
08 63 13 00-0172 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,827.31	72.66
08 63 13 00-0173 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,738.31	72.66
08 63 13 00-0174 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,916.31	72.66
08 63 13 00-0175 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0161)		
08 63 13 00-0176 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)		
08 63 13 00-0177 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,319.31	72.66
08 63 13 00-0178 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,228.31	72.66
08 63 13 00-0179 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,389.31	72.66
08 63 13 00-0180 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)		
08 63 13 00-0181 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,720.31	72.66
08 63 13 00-0182 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,631.31	72.66
08 63 13 00-0183 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,813.31	72.66
08 63 13 00-0184 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)		
08 63 13 00-0185 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,833.31	72.66
08 63 13 00-0186 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,744.31	72.66
08 63 13 00-0187 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,926.31	72.66
08 66 Wood-Framed Skylights (08 60)		
08 66 00 00-0001 Wood-Framed Skylights (Andersen 400 Series) (08 66)		
08 66 00 00-0002 EA 16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	312.13	73.07
For Tempered Laminated Low-E Insulated Glass, Add	41.50	
For Aluminum Shingle Flashing, Add	33.20	
08 66 00 00-0003 EA 16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	318.90	73.07
For Tempered Laminated Low-E Insulated Glass, Add	43.19	
For Aluminum Shingle Flashing, Add	34.55	
08 66 00 00-0004 EA 24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series)	302.81	73.07
For Tempered Laminated Low-E Insulated Glass, Add	39.17	
For Aluminum Shingle Flashing, Add	31.34	
08 66 00 00-0005 EA 24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	323.98	73.07
For Tempered Laminated Low-E Insulated Glass, Add	44.46	
For Aluminum Shingle Flashing, Add	35.57	
08 66 00 00-0006 EA 24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	341.77	73.07
For Tempered Laminated Low-E Insulated Glass, Add	48.91	
For Aluminum Shingle Flashing, Add	39.13	

08 Openings**08 60 Roof Windows And Skylights****08 66 Wood-Framed Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 66 00 00-0007	EA		24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series).....	370.57	73.07
			For Tempered Laminated Low-E Insulated Glass, Add	56.11	
			For Aluminum Shingle Flashing, Add	44.89	
08 66 00 00-0008	EA		24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series).....	406.98	73.07
			For Tempered Laminated Low-E Insulated Glass, Add	65.21	
			For Aluminum Shingle Flashing, Add	52.17	
08 66 00 00-0009	EA		27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	302.81	73.07
			For Tempered Laminated Low-E Insulated Glass, Add	39.17	
			For Aluminum Shingle Flashing, Add	31.34	
08 66 00 00-0010	EA		28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series).....	346.00	73.07
			For Tempered Laminated Low-E Insulated Glass, Add	49.97	
			For Aluminum Shingle Flashing, Add	39.97	
08 66 00 00-0011	EA		28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	370.57	73.07
			For Tempered Laminated Low-E Insulated Glass, Add	56.11	
			For Aluminum Shingle Flashing, Add	44.89	
08 66 00 00-0012	EA		28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series).....	398.51	73.07
			For Tempered Laminated Low-E Insulated Glass, Add	63.10	
			For Aluminum Shingle Flashing, Add	50.48	
08 66 00 00-0013	EA		28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series).....	435.78	73.07
			For Tempered Laminated Low-E Insulated Glass, Add	72.41	
			For Aluminum Shingle Flashing, Add	57.93	
08 66 00 00-0014	EA		38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	312.13	73.07
			For Tempered Laminated Low-E Insulated Glass, Add	41.50	
			For Aluminum Shingle Flashing, Add	33.20	
08 66 00 00-0015	EA		38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	323.98	73.07
			For Tempered Laminated Low-E Insulated Glass, Add	44.46	
			For Aluminum Shingle Flashing, Add	35.57	
08 66 00 00-0016	EA		38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	346.00	73.07
			For Tempered Laminated Low-E Insulated Glass, Add	49.97	
			For Aluminum Shingle Flashing, Add	39.97	
08 66 00 00-0017	EA		44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	423.92	73.07
			For Tempered Laminated Low-E Insulated Glass, Add	69.45	
			For Aluminum Shingle Flashing, Add	55.56	
08 66 00 00-0018	EA		46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	318.90	73.07
			For Tempered Laminated Low-E Insulated Glass, Add	43.19	
			For Aluminum Shingle Flashing, Add	34.55	
08 66 00 00-0019	EA		46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	341.77	73.07
			For Tempered Laminated Low-E Insulated Glass, Add	48.91	
			For Aluminum Shingle Flashing, Add	39.13	
08 66 00 00-0020	EA		46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	370.57	73.07
			For Tempered Laminated Low-E Insulated Glass, Add	56.11	
			For Aluminum Shingle Flashing, Add	44.89	
08 66 00 00-0021	EA		46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series).....	423.92	73.07
			For Tempered Laminated Low-E Insulated Glass, Add	69.45	
			For Aluminum Shingle Flashing, Add	55.56	
08 66 00 00-0022	EA		57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	370.57	73.07
			For Tempered Laminated Low-E Insulated Glass, Add	56.11	
			For Aluminum Shingle Flashing, Add	44.89	
08 66 00 00-0023	EA		57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	398.51	73.07
			For Tempered Laminated Low-E Insulated Glass, Add	63.10	
			For Aluminum Shingle Flashing, Add	50.48	
08 66 00 00-0024	EA		72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	406.98	73.07
			For Tempered Laminated Low-E Insulated Glass, Add	65.21	
			For Aluminum Shingle Flashing, Add	52.17	
08 66 00 00-0025	EA		72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	435.78	73.07
			For Tempered Laminated Low-E Insulated Glass, Add	72.41	
			For Aluminum Shingle Flashing, Add	57.93	

08 70 Hardware (08)**08 71 Door Hardware** (08 70)**08 71 13 Automatic Door Operators** (08 71)**08 71 13 00-0001 Automatic Door Operators (LCN)** (08 71 13)

08 71 13 00-0002 EA Automatic Door Operator, Surface Mount ADA Door Operator With Pull Arm (LCN 9531).....2,032.74
Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.

08 71 13 00-0003 EA Automatic Door Operator, Surface Mount ADA Door Operator With Push Arm (LCN 9542)2,032.74
Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.

08 71 23 Door Hardware (08 71)

Note: All hardware is ANSI/BHMA Grade 1 unless otherwise noted.

08 71 23 00-0001 Hinges (08 71 23)

Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs.

08 71 23 00-0002 Brass/Bronze, Satin Chrome Finish Hinges (08 71 23 00-0001)

Note: US26D (BHMA 626) satin chrome finish.



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0003 Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges <small>(08 71 23 00-0002)</small>		
<i>Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.</i>		
08 71 23 00-0004 PR 3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	49.53	4.09
<i>For Clear Coated Bright Brass, Add</i>	3.91	
<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0005 PR 4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	54.42	5.84
<i>For Clear Coated Bright Brass, Add</i>	4.35	
<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0006 PR 4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	59.36	6.43
<i>For Clear Coated Bright Brass, Add</i>	3.63	
<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0007 Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges <small>(08 71 23 00-0002)</small>		
<i>Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.</i>		
08 71 23 00-0008 PR 3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	57.84	4.09
<i>For Clear Coated Bright Brass, Add</i>	5.01	
<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0009 PR 4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	65.01	5.84
<i>For Clear Coated Bright Brass, Add</i>	5.01	
<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0010 PR 4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	65.02	6.43
<i>For Clear Coated Bright Brass, Add</i>	4.43	
<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0011 PR 5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	75.96	7.60
<i>For Clear Coated Bright Brass, Add</i>	5.18	
<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0012 PR 5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	76.52	7.60
<i>For Clear Coated Bright Brass, Add</i>	5.26	
<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0013 PR 6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	82.96	9.76
<i>For Clear Coated Bright Brass, Add</i>	6.16	
<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0014 Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges <small>(08 71 23 00-0002)</small>		
<i>Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.</i>		
08 71 23 00-0015 PR 3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	66.46	4.09
08 71 23 00-0016 PR 4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	73.63	5.84
08 71 23 00-0017 PR 4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	74.40	6.43
08 71 23 00-0018 PR 5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	86.31	7.60
08 71 23 00-0019 Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges <small>(08 71 23 00-0002)</small>		
<i>Note: Surface mounted to the face of the door and mortised into the rabbet edge of the frame.</i>		
08 71 23 00-0020 PR 4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	134.26	6.43
<i>For Clear Coated Bright Brass, Add</i>	14.12	
<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0021 PR 5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	150.90	7.60
<i>For Clear Coated Bright Brass, Add</i>	15.67	
<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0022 PR 5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	82.14	7.60
<i>For Clear Coated Bright Brass, Add</i>	6.05	
<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0023 Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges <small>(08 71 23 00-0002)</small>		
<i>Note: Mortised into the edge of the door and surface applied to the face of the frame.</i>		
08 71 23 00-0024 PR 4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	121.36	6.43
<i>For Clear Coated Bright Brass, Add</i>	12.31	
<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0025 PR 5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	143.36	7.60
<i>For Clear Coated Bright Brass, Add</i>	14.62	
<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0026 Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge <small>(08 71 23 00-0002)</small>		
<i>Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.</i>		
08 71 23 00-0027 PR 4-1/2" x 4-1/2" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	83.34	6.43
<i>For Clear Coated Bright Brass, Add</i>	6.99	
<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0028 PR 5" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	96.22	9.76
<i>For Clear Coated Bright Brass, Add</i>	8.02	
<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0029	PR		6" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	135.98 13.58 6.00	9.76
08 71 23 00-0030			Mortised, Wrought Steel Hinges (08 71 23 00-0001) Note: Clear coated, US 26D satin chrome finish (BHMA 652).		
08 71 23 00-0031			Full Mortise, Plain Bearing, Wrought Steel Hinges (08 71 23 00-0030) Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.		
08 71 23 00-0032	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	27.98 -1.18 0.74 -0.71 3.26 0.89 2.37 6.00	4.09
08 71 23 00-0033	PR		4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	35.76 -1.31 0.82 -0.78 3.59 0.98 2.61 6.00	5.84
08 71 23 00-0034	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	41.36 -1.59 1.00 -0.96 4.38 1.19 3.18 6.00	6.43
08 71 23 00-0035			Full Mortise, Ball Bearing, Wrought Steel Hinges (08 71 23 00-0030) Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.		
08 71 23 00-0036	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	43.63 -4.31 2.70 -2.59 11.86 3.24 8.63 6.00	4.09
08 71 23 00-0037	PR		4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	53.65 -4.88 3.05 -2.93 13.43 3.66 9.77 6.00	5.84
08 71 23 00-0038	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	48.05 -2.93 1.83 -1.76 8.06 2.20 5.86 6.00	6.43
08 71 23 00-0039	PR		5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	74.67 -7.14 4.46 -4.29 19.64 5.36 14.28 6.00	7.60
08 71 23 00-0040	PR		5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	79.71 -8.15 5.09 -4.89 22.41 6.11 16.30 6.00	7.60
08 71 23 00-0041	PR		6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	95.07 -11.22 7.01 -6.73 30.86 8.42 22.44 6.00	7.60



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0042 Half Surface, Plain Bearing, Wrought Steel Hinges <small>(08 71 23 00-0030)</small>		
Note: Surface mounted to the face of the door and mortised into the rabbet edge of the frame.		
08 71 23 00-0043 PR 3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	52.67	4.09
For Primed For Paint Finish, Deduct	-6.12	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	3.83	
For Satin Brass Plated Clear Coated Finish, Deduct	-3.67	
For Stainless Steel, Add	16.84	
For Heavy Duty, Add	4.59	
For Extra Heavy Duty, Add	12.24	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 23 00-0044 PR 4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	63.92	5.84
For Primed For Paint Finish, Deduct	-6.94	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	4.34	
For Satin Brass Plated Clear Coated Finish, Deduct	-4.16	
For Stainless Steel, Add	19.08	
For Heavy Duty, Add	5.20	
For Extra Heavy Duty, Add	13.88	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 23 00-0045 PR 4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	72.17	6.43
For Primed For Paint Finish, Deduct	-7.75	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	4.85	
For Satin Brass Plated Clear Coated Finish, Deduct	-4.65	
For Stainless Steel, Add	21.32	
For Heavy Duty, Add	5.82	
For Extra Heavy Duty, Add	15.51	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 23 00-0046 PR 5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	81.81	7.60
For Primed For Paint Finish, Deduct	-8.57	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	5.36	
For Satin Brass Plated Clear Coated Finish, Deduct	-5.14	
For Stainless Steel, Add	23.57	
For Heavy Duty, Add	6.43	
For Extra Heavy Duty, Add	17.14	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 23 00-0047 Half Surface, Ball Bearing, Wrought Steel Hinges <small>(08 71 23 00-0030)</small>		
Note: Surface mounted to the face of the door and mortised into the rabbet edge of the frame.		
08 71 23 00-0048 PR 4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	73.10	6.43
For Primed For Paint Finish, Deduct	-8.77	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	5.48	
For Satin Brass Plated Clear Coated Finish, Deduct	-5.26	
For Stainless Steel, Add	24.13	
For Heavy Duty, Add	6.58	
For Extra Heavy Duty, Add	17.55	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 23 00-0049 PR 4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	81.94	6.43
For Primed For Paint Finish, Deduct	-9.71	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	6.07	
For Satin Brass Plated Clear Coated Finish, Deduct	-5.82	
For Stainless Steel, Add	26.70	
For Heavy Duty, Add	7.28	
For Extra Heavy Duty, Add	19.42	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 23 00-0050 PR 5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	95.07	7.60
For Primed For Paint Finish, Deduct	-11.22	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	7.01	
For Satin Brass Plated Clear Coated Finish, Deduct	-6.73	
For Stainless Steel, Add	30.86	
For Heavy Duty, Add	8.42	
For Extra Heavy Duty, Add	22.44	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 23 00-0051 Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges <small>(08 71 23 00-0030)</small>		
Note: Both leaves slide into a cavity prepared in the door and door frame.		
08 71 23 00-0052 PR 4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	48.53	6.43
For Primed For Paint Finish, Deduct	-3.03	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	1.89	
For Satin Brass Plated Clear Coated Finish, Deduct	-1.82	
For Stainless Steel, Add	8.32	
For Heavy Duty, Add	2.27	
For Extra Heavy Duty, Add	6.05	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 23 00-0053 Blank Butt Hinges <small>(08 71 23 00-0030)</small>		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0054 PR 3.5" x 3.5" To 5" x 5", Blank Butt With Screws, Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	12.38 -0.39 0.24 -0.23 1.06 0.29 0.77 6.00	2.63
08 71 23 00-0055 Full Mortise, Single Acting Spring, Wrought Steel Hinges (08 71 23 00-0030) Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.		
08 71 23 00-0056 PR 3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i>	36.51 -2.89 1.81 -1.73 7.95	4.09
08 71 23 00-0057 PR 4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i>	48.13 -3.78 2.36 -2.27 10.40	5.84
08 71 23 00-0058 PR 4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i>	61.20 -5.56 3.48 -3.34 15.29	6.43
08 71 23 00-0059 Offset And Pivot Hinges (08 71 23 00-0001) Note: Satin chrome plated, US26D.		
08 71 23 00-0060 Offset Swing Clear Hinges (08 71 23 00-0059) Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.		
08 71 23 00-0061 EA 4-1/2", Swing Clear, Offset Hinges	46.30	1.83
08 71 23 00-0062 Offset Pivot Hinges (08 71 23 00-0059)		
08 71 23 00-0063 3/4" Offset Pivot Hinges (08 71 23 00-0062)		
08 71 23 00-0064 3/4" Offset Pivot Hinges (08 71 23 00-0063)		
08 71 23 00-0065 Top Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0064)		
08 71 23 00-0066 200 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0065)		
08 71 23 00-0067 EA Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	77.52	5.84
08 71 23 00-0068 EA Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	104.45	5.84
08 71 23 00-0069 EA Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	119.42	5.84
08 71 23 00-0070 EA Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	119.42	5.84
08 71 23 00-0071 EA Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	119.42	5.84
08 71 23 00-0072 EA Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	119.42	5.84
08 71 23 00-0073 EA Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	119.42	5.84
08 71 23 00-0074 EA Painted Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	85.30	5.84
08 71 23 00-0075 EA Satin Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	108.65	5.84
08 71 23 00-0076 EA Bright Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	124.21	5.84
08 71 23 00-0077 EA Satin Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	124.21	5.84
08 71 23 00-0078 EA Satin Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	124.21	5.84
08 71 23 00-0079 EA Dark Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	124.21	5.84
08 71 23 00-0080 EA Bright Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	124.21	5.84
08 71 23 00-0081 EA Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	77.52	5.84
08 71 23 00-0082 EA Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	104.45	5.84
08 71 23 00-0083 EA Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	119.42	5.84
08 71 23 00-0084 EA Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	119.42	5.84
08 71 23 00-0085 EA Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	119.42	5.84
08 71 23 00-0086 EA Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	119.42	5.84
08 71 23 00-0087 EA Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	119.42	5.84
08 71 23 00-0088 500 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0065)		
08 71 23 00-0089 EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	80.44	7.31
08 71 23 00-0090 EA Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	107.37	7.31
08 71 23 00-0091 EA Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	122.34	7.31
08 71 23 00-0092 EA Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	122.34	7.31
08 71 23 00-0093 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	122.34	7.31
08 71 23 00-0094 EA Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	122.34	7.31
08 71 23 00-0095 EA Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	122.34	7.31
08 71 23 00-0096 600 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0065)		
08 71 23 00-0097 EA Painted Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	80.44	7.31
08 71 23 00-0098 EA Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	107.37	7.31
08 71 23 00-0099 EA Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	122.34	7.31
08 71 23 00-0100 EA Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	122.34	7.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0101 EA Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	122.34	7.31
08 71 23 00-0102 EA Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	122.34	7.31
08 71 23 00-0103 EA Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	122.34	7.31
08 71 23 00-0104 700 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0065)		
08 71 23 00-0105 EA Painted Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	80.44	7.31
08 71 23 00-0106 EA Satin Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	107.37	7.31
08 71 23 00-0107 EA Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	122.34	7.31
08 71 23 00-0108 EA Satin Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	122.34	7.31
08 71 23 00-0109 EA Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	122.34	7.31
08 71 23 00-0110 EA Dark Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	122.34	7.31
08 71 23 00-0111 EA Bright Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	122.34	7.31
08 71 23 00-0112 Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0064)		
08 71 23 00-0113 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0112)		
08 71 23 00-0114 EA Painted Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	96.67	5.84
08 71 23 00-0115 EA Satin Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	119.42	5.84
08 71 23 00-0116 EA Bright Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	135.58	5.84
08 71 23 00-0117 EA Satin Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	135.58	5.84
08 71 23 00-0118 EA Satin Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	135.58	5.84
08 71 23 00-0119 EA Dark Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	135.58	5.84
08 71 23 00-0120 EA Bright Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	135.58	5.84
08 71 23 00-0121 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0112)		
08 71 23 00-0122 EA Painted Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	107.37	7.31
08 71 23 00-0123 EA Satin Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	114.56	7.31
08 71 23 00-0124 EA Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	127.13	7.31
08 71 23 00-0125 EA Satin Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	127.13	7.31
08 71 23 00-0126 EA Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	127.13	7.31
08 71 23 00-0127 EA Dark Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	127.13	7.31
08 71 23 00-0128 EA Bright Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	127.13	7.31
08 71 23 00-0129 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0112)		
08 71 23 00-0130 EA Painted Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	107.37	7.31
08 71 23 00-0131 EA Satin Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	114.56	7.31
08 71 23 00-0132 EA Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	127.13	7.31
08 71 23 00-0133 EA Satin Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	127.13	7.31
08 71 23 00-0134 EA Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	127.13	7.31
08 71 23 00-0135 EA Dark Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	127.13	7.31
08 71 23 00-0136 EA Bright Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	127.13	7.31
08 71 23 00-0137 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0112)		
08 71 23 00-0138 EA Painted Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	107.37	7.31
08 71 23 00-0139 EA Satin Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	114.56	7.31
08 71 23 00-0140 EA Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	127.13	7.31
08 71 23 00-0141 EA Satin Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	127.13	7.31
08 71 23 00-0142 EA Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	127.13	7.31
08 71 23 00-0143 EA Dark Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	127.13	7.31
08 71 23 00-0144 EA Bright Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	127.13	7.31
08 71 23 00-0145 Bottom Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0064)		
08 71 23 00-0146 200 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0145)		
08 71 23 00-0147 EA Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	85.30	5.84
08 71 23 00-0148 EA Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	108.65	5.84
08 71 23 00-0149 EA Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	124.21	5.84
08 71 23 00-0150 EA Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	124.21	5.84
08 71 23 00-0151 EA Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	124.21	5.84
08 71 23 00-0152 EA Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	124.21	5.84
08 71 23 00-0153 EA Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	124.21	5.84
08 71 23 00-0154 EA Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	85.30	5.84
08 71 23 00-0155 EA Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	108.65	5.84
08 71 23 00-0156 EA Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	124.21	5.84
08 71 23 00-0157 EA Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	124.21	5.84
08 71 23 00-0158 EA Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	124.21	5.84

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0159 EA Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	124.21	5.84
08 71 23 00-0160 EA Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	124.21	5.84
08 71 23 00-0161 EA Painted Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	73.93	5.84
08 71 23 00-0162 EA Satin Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	100.87	5.84
08 71 23 00-0163 EA Bright Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	116.42	5.84
08 71 23 00-0164 EA Satin Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	116.42	5.84
08 71 23 00-0165 EA Satin Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	116.42	5.84
08 71 23 00-0166 EA Dark Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	116.42	5.84
08 71 23 00-0167 EA Bright Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	116.42	5.84
08 71 23 00-0168 500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0145)		
08 71 23 00-0169 EA Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	130.12	7.31
08 71 23 00-0170 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	138.50	7.31
08 71 23 00-0171 EA Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	138.50	7.31
08 71 23 00-0172 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	138.50	7.31
08 71 23 00-0173 EA Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	138.50	7.31
08 71 23 00-0174 EA Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	138.50	7.31
08 71 23 00-0175 EA Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	140.89	7.31
08 71 23 00-0176 600 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0145)		
08 71 23 00-0177 EA Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	111.57	7.31
08 71 23 00-0178 EA Satin Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	122.34	7.31
08 71 23 00-0179 EA Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	130.12	7.31
08 71 23 00-0180 EA Satin Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	130.12	7.31
08 71 23 00-0181 EA Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	130.12	7.31
08 71 23 00-0182 EA Dark Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	130.12	7.31
08 71 23 00-0183 EA Bright Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	130.12	7.31
08 71 23 00-0184 700 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0145)		
08 71 23 00-0185 EA Painted Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	257.59	7.31
08 71 23 00-0186 EA Satin Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	276.74	7.31
08 71 23 00-0187 EA Bright Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	307.28	7.31
08 71 23 00-0188 EA Satin Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	307.28	7.31
08 71 23 00-0189 EA Satin Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	307.28	7.31
08 71 23 00-0190 EA Dark Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	307.28	7.31
08 71 23 00-0191 EA Bright Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	307.28	7.31
08 71 23 00-0192 Fire Rated, 3/4" Offset Pivot Hinges (08 71 23 00-0063)		
08 71 23 00-0193 Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 23 00-0192)		
08 71 23 00-0194 500 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 23 00-0193)		
08 71 23 00-0195 EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	152.87	7.31
08 71 23 00-0196 EA Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	180.99	7.31
08 71 23 00-0197 EA Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	203.73	7.31
08 71 23 00-0198 EA Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	203.73	7.31
08 71 23 00-0199 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	203.73	7.31
08 71 23 00-0200 600 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 23 00-0193)		
08 71 23 00-0201 EA Painted Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	152.87	7.31
08 71 23 00-0202 EA Satin Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	180.99	7.31
08 71 23 00-0203 EA Bright Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	203.73	7.31
08 71 23 00-0204 EA Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	203.73	7.31
08 71 23 00-0205 EA Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	203.73	7.31
08 71 23 00-0206 700 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 23 00-0193)		
08 71 23 00-0207 EA Painted Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	152.87	7.31
08 71 23 00-0208 EA Satin Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	180.99	7.31



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0209 EA Bright Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	203.73	7.31
08 71 23 00-0210 EA Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	203.73	7.31
08 71 23 00-0211 EA Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	203.73	7.31
08 71 23 00-0212 1,000 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0193)</small>		
08 71 23 00-0213 EA Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	160.58	8.77
08 71 23 00-0214 EA Satin Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	183.92	8.77
08 71 23 00-0215 EA Bright Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	194.69	8.77
08 71 23 00-0216 EA Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	194.69	8.77
08 71 23 00-0217 EA Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	194.69	8.77
08 71 23 00-0218 1,750 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0193)</small>		
08 71 23 00-0219 EA Painted Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	160.58	8.77
08 71 23 00-0220 EA Satin Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	183.92	8.77
08 71 23 00-0221 EA Bright Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	194.69	8.77
08 71 23 00-0222 EA Bright Brass Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	194.69	8.77
08 71 23 00-0223 EA Satin Bronze Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	194.69	8.77
08 71 23 00-0224 Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0192)</small>		
08 71 23 00-0225 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0224)</small>		
08 71 23 00-0226 EA Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	157.65	7.31
08 71 23 00-0227 EA Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	183.98	7.31
08 71 23 00-0228 EA Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	191.76	7.31
08 71 23 00-0229 EA Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	191.76	7.31
08 71 23 00-0230 EA Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	191.76	7.31
08 71 23 00-0231 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0224)</small>		
08 71 23 00-0232 EA Painted Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	157.65	7.31
08 71 23 00-0233 EA Satin Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	183.98	7.31
08 71 23 00-0234 EA Bright Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	191.76	7.31
08 71 23 00-0235 EA Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	191.76	7.31
08 71 23 00-0236 EA Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	191.76	7.31
08 71 23 00-0237 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0224)</small>		
08 71 23 00-0238 EA Painted Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	157.65	7.31
08 71 23 00-0239 EA Satin Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	183.98	7.31
08 71 23 00-0240 EA Bright Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	191.76	7.31
08 71 23 00-0241 EA Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	191.76	7.31
08 71 23 00-0242 EA Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	191.76	7.31

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 71 23 00-0243		1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0244)</small>			
08 71 23 00-0244	EA	Painted Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	176.14		8.77
08 71 23 00-0245	EA	Satin Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	203.07		8.77
08 71 23 00-0246	EA	Bright Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	210.25		8.77
08 71 23 00-0247	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	210.25		8.77
08 71 23 00-0248	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	210.25		8.77
08 71 23 00-0249		1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0250)</small>			
08 71 23 00-0250	EA	Painted Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	176.14		8.77
08 71 23 00-0251	EA	Satin Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	203.07		8.77
08 71 23 00-0252	EA	Bright Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	210.25		8.77
08 71 23 00-0253	EA	Bright Brass Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	210.25		8.77
08 71 23 00-0254	EA	Satin Bronze Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	210.25		8.77
08 71 23 00-0255		Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0192)</small>			
08 71 23 00-0256		500 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0255)</small>			
08 71 23 00-0257	EA	Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	176.21		7.31
08 71 23 00-0258	EA	Satin Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	218.70		7.31
08 71 23 00-0259	EA	Bright Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	234.86		7.31
08 71 23 00-0260	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	234.86		7.31
08 71 23 00-0261	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	234.86		7.31
08 71 23 00-0262		600 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0255)</small>			
08 71 23 00-0263	EA	Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	173.21		7.31
08 71 23 00-0264	EA	Satin Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	183.98		7.31
08 71 23 00-0265	EA	Bright Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	211.52		7.31
08 71 23 00-0266	EA	Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	211.52		7.31
08 71 23 00-0267	EA	Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	211.52		7.31
08 71 23 00-0268		1,000 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0255)</small>			
08 71 23 00-0269	EA	Painted Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	198.88		8.77
08 71 23 00-0270	EA	Satin Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	221.63		8.77
08 71 23 00-0271	EA	Bright Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	230.00		8.77
08 71 23 00-0272	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	230.00		8.77
08 71 23 00-0273	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	230.00		8.77
08 71 23 00-0274		1,750 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0255)</small>			
08 71 23 00-0275	EA	Painted Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	283.27		8.77
08 71 23 00-0276	EA	Satin Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	302.42		8.77
08 71 23 00-0277	EA	Bright Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	310.21		8.77



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0278 EA Bright Brass Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	310.21	8.77
08 71 23 00-0279 EA Satin Bronze Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	310.21	8.77
08 71 23 00-0280 1-1/2" Offset Pivot Hinges (08 71 23 00-0062)		
08 71 23 00-0281 Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 23 00-0280)		
08 71 23 00-0282 Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 23 00-0281)		
08 71 23 00-0283 400 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 23 00-0282)		
08 71 23 00-0284 EA Painted Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	180.99	7.31
08 71 23 00-0285 EA Satin Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	195.95	7.31
08 71 23 00-0286 EA Bright Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	207.32	7.31
08 71 23 00-0287 EA Bright Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	207.32	7.31
08 71 23 00-0288 EA Satin Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	207.32	7.31
08 71 23 00-0289 500 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 23 00-0282)		
08 71 23 00-0290 EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	180.99	7.31
08 71 23 00-0291 EA Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	195.95	7.31
08 71 23 00-0292 EA Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	207.32	7.31
08 71 23 00-0293 EA Bright Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	207.32	7.31
08 71 23 00-0294 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	207.32	7.31
08 71 23 00-0295 Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 23 00-0281)		
08 71 23 00-0296 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 23 00-0295)		
08 71 23 00-0297 EA Painted Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	188.17	7.31
08 71 23 00-0298 EA Satin Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	211.52	7.31
08 71 23 00-0299 EA Bright Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	222.89	7.31
08 71 23 00-0300 EA Bright Brass Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	222.89	7.31
08 71 23 00-0301 EA Satin Bronze Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	222.89	7.31
08 71 23 00-0302 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 23 00-0295)		
08 71 23 00-0303 EA Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	188.17	7.31
08 71 23 00-0304 EA Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	211.52	7.31
08 71 23 00-0305 EA Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	222.89	7.31
08 71 23 00-0306 EA Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	222.89	7.31
08 71 23 00-0307 EA Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	222.89	7.31
08 71 23 00-0308 Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 23 00-0281)		
08 71 23 00-0309 400 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 23 00-0308)		
08 71 23 00-0310 EA Painted Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	183.98	7.31
08 71 23 00-0311 EA Satin Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	211.52	7.31
08 71 23 00-0312 EA Bright Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	222.89	7.31
08 71 23 00-0313 EA Bright Brass Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	222.89	7.31

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0314 EA Satin Bronze Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	222.89	7.31
08 71 23 00-0315 500 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 23 00-0308)		
08 71 23 00-0316 EA Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	299.49	7.31
08 71 23 00-0317 EA Satin Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	330.62	7.31
08 71 23 00-0318 EA Bright Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	338.40	7.31
08 71 23 00-0319 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	338.40	7.31
08 71 23 00-0320 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	338.40	7.31
08 71 23 00-0321 Center Hung Pivot Hinges (08 71 23 00-0059)		
08 71 23 00-0322 Top Mount, Center Hung Pivot Hinges (08 71 23 00-0321)		
08 71 23 00-0323 300 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 23 00-0322)		
08 71 23 00-0324 EA Painted Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	93.09	5.84
08 71 23 00-0325 EA Satin Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	100.87	5.84
08 71 23 00-0326 EA Bright Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	100.87	5.84
08 71 23 00-0327 EA Satin Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	100.87	5.84
08 71 23 00-0328 EA Satin Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	100.87	5.84
08 71 23 00-0329 EA Dark Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	100.87	5.84
08 71 23 00-0330 EA Bright Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	100.87	5.84
08 71 23 00-0331 500 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 23 00-0322)		
08 71 23 00-0332 EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	96.01	7.31
08 71 23 00-0333 EA Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	103.79	7.31
08 71 23 00-0334 EA Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	103.79	7.31
08 71 23 00-0335 EA Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	103.79	7.31
08 71 23 00-0336 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	103.79	7.31
08 71 23 00-0337 EA Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	103.79	7.31
08 71 23 00-0338 EA Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	103.79	7.31
08 71 23 00-0339 600 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 23 00-0322)		
08 71 23 00-0340 EA Painted Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	96.01	7.31
08 71 23 00-0341 EA Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	103.79	7.31
08 71 23 00-0342 EA Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	103.79	7.31
08 71 23 00-0343 EA Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	103.79	7.31
08 71 23 00-0344 EA Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	103.79	7.31
08 71 23 00-0345 EA Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	103.79	7.31
08 71 23 00-0346 EA Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	103.79	7.31
08 71 23 00-0347 1,000 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 23 00-0322)		
08 71 23 00-0348 EA Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	152.79	8.77
08 71 23 00-0349 EA Satin Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	179.14	8.77
08 71 23 00-0350 EA Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	206.66	8.77
08 71 23 00-0351 EA Satin Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	206.66	8.77
08 71 23 00-0352 EA Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	206.66	8.77
08 71 23 00-0353 EA Dark Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	206.66	8.77
08 71 23 00-0354 EA Bright Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	206.66	8.77
08 71 23 00-0355 Bottom Mount, Center Hung Pivot Hinges (08 71 23 00-0321)		
08 71 23 00-0356 300 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 23 00-0355)		
08 71 23 00-0357 EA Painted Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	70.34	5.84
08 71 23 00-0358 EA Satin Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	81.72	5.84
08 71 23 00-0359 EA Bright Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	93.09	5.84
08 71 23 00-0360 EA Satin Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	93.09	5.84
08 71 23 00-0361 EA Satin Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	93.09	5.84
08 71 23 00-0362 EA Dark Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	93.09	5.84
08 71 23 00-0363 EA Bright Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	93.09	5.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0364 500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0355)</small>		
08 71 23 00-0365 EA Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	103.79	7.31
08 71 23 00-0366 EA Satin Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	107.37	7.31
08 71 23 00-0367 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	107.37	7.31
08 71 23 00-0368 EA Satin Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	107.37	7.31
08 71 23 00-0369 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	107.37	7.31
08 71 23 00-0370 EA Dark Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	107.37	7.31
08 71 23 00-0371 EA Bright Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	107.37	7.31
08 71 23 00-0372 EA Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	103.79	7.31
08 71 23 00-0373 EA Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	107.37	7.31
08 71 23 00-0374 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	107.37	7.31
08 71 23 00-0375 EA Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	107.37	7.31
08 71 23 00-0376 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	107.37	7.31
08 71 23 00-0377 EA Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	107.37	7.31
08 71 23 00-0378 EA Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	107.37	7.31
08 71 23 00-0379 600 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges <small>(08 71 23 00-0355)</small>		
08 71 23 00-0380 EA Painted Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	211.52	7.31
08 71 23 00-0381 EA Satin Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	222.89	7.31
08 71 23 00-0382 EA Bright Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	234.86	7.31
08 71 23 00-0383 EA Satin Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	234.86	7.31
08 71 23 00-0384 EA Satin Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	234.86	7.31
08 71 23 00-0385 EA Dark Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	234.86	7.31
08 71 23 00-0386 EA Bright Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	234.86	7.31
08 71 23 00-0387 1,000 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges <small>(08 71 23 00-0355)</small>		
08 71 23 00-0388 EA Painted Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	391.00	8.77
08 71 23 00-0389 EA Satin Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	402.37	8.77
08 71 23 00-0390 EA Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	417.94	8.77
08 71 23 00-0391 EA Satin Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	417.94	8.77
08 71 23 00-0392 EA Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	417.94	8.77
08 71 23 00-0393 EA Dark Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	417.94	8.77
08 71 23 00-0394 EA Bright Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	417.94	8.77
08 71 23 00-0395 Continuous Steel Hinges <small>(08 71 23 00-0001)</small>		
08 71 23 00-0396 LF 1-1/2" Wide, Continuous Steel Hinge.....	11.45	2.34
<i>For Stainless Steel, Add</i>	1.15	
<i>For Brass Or Nickel, Add</i>	1.25	
<i>For Aluminum, Add</i>	0.41	
<i>For Medium Gauge, Deduct</i>	-0.42	
08 71 23 00-0397 LF 2" Wide, Continuous Steel Hinge.....	11.59	2.34
<i>For Stainless Steel, Add</i>	1.23	
<i>For Brass Or Nickel, Add</i>	1.34	
<i>For Aluminum, Add</i>	0.44	
<i>For Medium Gauge, Deduct</i>	-0.45	
08 71 23 00-0398 LF 2-1/2" Wide, Continuous Steel Hinge.....	11.86	2.34
<i>For Stainless Steel, Add</i>	1.38	
<i>For Brass Or Nickel, Add</i>	1.50	
<i>For Aluminum, Add</i>	0.49	
<i>For Medium Gauge, Deduct</i>	-0.50	
08 71 23 00-0399 LF 3" Wide, Continuous Steel Hinge.....	12.18	2.34
<i>For Stainless Steel, Add</i>	1.55	
<i>For Brass Or Nickel, Add</i>	1.69	
<i>For Aluminum, Add</i>	0.55	
<i>For Medium Gauge, Deduct</i>	-0.56	
08 71 23 00-0400 Continuous Geared Hinges <small>(08 71 23 00-0001)</small>		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0401 LF Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053).....	30.75	2.34
For Bronze Finish, Add	8.02	
For Heavy Duty, Add	5.72	
08 71 23 00-0402 LF Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057).....	33.25	2.34
For Bronze Finish, Add	8.96	
For Heavy Duty, Add	6.38	
08 71 23 00-0403 LF Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112).....	20.73	2.34
For Bronze Finish, Add	4.26	
08 71 23 00-0404 LF Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy Duty (Roton 780-112HD).....	24.35	2.34
For Bronze Finish, Add	5.62	
08 71 23 00-0405 Mortised, Primed Steel, Double Acting Spring Hinges (08 71 23 00-0001)		
08 71 23 00-0406 PR 2", Mortised, Primed Steel, Double Acting Spring Hinge.....	67.21	4.09
For Satin Brass, Add	11.22	
08 71 23 00-0407 PR 3", Mortised, Primed Steel, Double Acting Spring Hinge.....	73.07	5.26
For Satin Brass, Add	11.22	
08 71 23 00-0408 PR 4", Mortised, Primed Steel, Double Acting Spring Hinge.....	81.47	6.43
For Satin Brass, Add	11.84	
08 71 23 00-0409 PR 5", Mortised, Primed Steel, Double Acting Spring Hinge.....	106.23	7.60
For Satin Brass, Add	16.38	
08 71 23 00-0410 PR 6", Mortised, Primed Steel, Double Acting Spring Hinge.....	118.98	8.77
For Satin Brass, Add	18.03	
08 71 23 00-0411 PR 7", Mortised, Primed Steel, Double Acting Spring Hinge.....	142.76	9.94
For Satin Brass, Add	22.34	
08 71 23 00-0412 PR 8", Mortised, Primed Steel, Double Acting Spring Hinge.....	192.44	27.76
For Satin Brass, Add	32.86	
08 71 23 00-0413 Security Hinges (08 71 23 00-0001)		
08 71 23 00-0414 EA 4-1/2" x 4-1/2", Non Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge.....	24.75	4.09
08 71 23 00-0415 Concealed Circuit Electric Hinge Option (08 71 23 00-0001)		
Note: Excludes the hinge. These tasks are used in conjunction with other hinges in the Construction Task Catalog® to electrify the hinge.		
08 71 23 00-0416 EA 4 Wire Concealed Circuit Electric Hinge Option.....	153.28	
08 71 23 00-0417 EA 6 Wire Concealed Circuit Electric Hinge Option.....	180.97	
08 71 23 00-0418 EA 8 Wire Concealed Circuit Electric Hinge Option.....	208.66	
08 71 23 00-0419 Hinge Filler Plates For Door Frames (08 71 23 00-0001)		
08 71 23 00-0420 PR Hinge Filler Plates For Door Frames.....	10.86	2.93
08 71 23 00-0421 Door Trim (08 71 23)		
08 71 23 00-0422 Floor Stops, Wall Stops And Bumpers (08 71 23 00-0421)		
08 71 23 00-0423 Floor Stops (08 71 23 00-0422)		
08 71 23 00-0424 Aluminum Floor Stops (08 71 23 00-0423)		
08 71 23 00-0425 EA 1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430).....	16.13	7.31
08 71 23 00-0426 EA 1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436).....	17.64	7.31
08 71 23 00-0427 EA 1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438).....	18.22	7.31
08 71 23 00-0428 EA 2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441).....	26.99	7.31
08 71 23 00-0429 EA 3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448).....	28.04	7.31
08 71 23 00-0430 Brass Floor Stops (08 71 23 00-0423)		
08 71 23 00-0431 EA 1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436).....	17.85	7.31
08 71 23 00-0432 EA 1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436).....	18.43	7.31
08 71 23 00-0433 EA 1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436).....	18.43	7.31
08 71 23 00-0434 EA 1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436).....	18.65	7.31
08 71 23 00-0435 EA 1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436).....	18.95	7.31
08 71 23 00-0436 EA 1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436).....	18.95	7.31
08 71 23 00-0437 EA 1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436).....	18.95	7.31
08 71 23 00-0438 EA 1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438).....	18.22	7.31
08 71 23 00-0439 EA 1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438).....	19.09	7.31
08 71 23 00-0440 EA 1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438).....	19.09	7.31
08 71 23 00-0441 EA 1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438).....	19.43	7.31
08 71 23 00-0442 EA 1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438).....	19.73	7.31
08 71 23 00-0443 EA 1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438).....	19.73	7.31
08 71 23 00-0444 EA 1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438).....	21.11	7.31
08 71 23 00-0445 EA 1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13).....	19.15	7.31
08 71 23 00-0446 EA 1" Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13).....	19.15	7.31
08 71 23 00-0447 EA 1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13).....	20.11	7.31
08 71 23 00-0448 EA 1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13).....	20.11	7.31
08 71 23 00-0449 EA 1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13).....	20.11	7.31
08 71 23 00-0450 EA 1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13).....	20.11	7.31
08 71 23 00-0451 EA 1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17).....	19.81	7.31
08 71 23 00-0452 EA 1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17).....	19.81	7.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0453 EA 1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17).....	20.74	7.31
08 71 23 00-0454 EA 1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17).....	20.74	7.31
08 71 23 00-0455 EA 1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17).....	20.74	7.31
08 71 23 00-0456 EA 1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17).....	20.74	7.31
08 71 23 00-0457 EA 2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441).....	27.84	7.31
08 71 23 00-0458 EA 2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441).....	28.25	7.31
08 71 23 00-0459 EA 2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441).....	29.26	7.31
08 71 23 00-0460 EA 2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441).....	30.07	7.31
08 71 23 00-0461 EA 2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441).....	30.07	7.31
08 71 23 00-0462 EA 2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441).....	33.38	7.31
08 71 23 00-0463 EA 2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441).....	33.38	7.31
08 71 23 00-0464 EA 3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448).....	32.16	7.31
08 71 23 00-0465 EA 3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448).....	32.75	7.31
08 71 23 00-0466 EA 3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448).....	32.75	7.31
08 71 23 00-0467 EA 3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448).....	32.75	7.31
08 71 23 00-0468 EA 3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448).....	32.75	7.31
08 71 23 00-0469 EA 3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448).....	37.29	7.31
08 71 23 00-0470 EA 3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448).....	37.29	7.31
08 71 23 00-0471 EA 1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430).....	22.90	7.31
08 71 23 00-0472 EA 1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430).....	23.66	7.31
08 71 23 00-0473 EA 1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430).....	25.37	7.31
08 71 23 00-0474 EA 1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430).....	25.37	7.31
08 71 23 00-0475 EA 1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430).....	25.37	7.31
08 71 23 00-0476 EA 1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430).....	25.87	7.31
08 71 23 00-0477 EA 2-1/4" Overall Height, Polished Or Satin Finish, Brass Floor Stop (Rockwood 481H).....	33.94	7.31
08 71 23 00-0478 Steel Floor Stops (08 71 23 00-0423)		
See CSI section 05 05 19 00-0195 for grout.		
08 71 23 00-0479 EA 2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434).....	19.95	7.31
08 71 23 00-0480 EA 1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S).....	48.04	7.31
Note: Includes drilling. Excludes Grout.		
08 71 23 00-0481 EA 3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L).....	50.44	7.31
Note: Includes drilling. Excludes Grout.		
08 71 23 00-0482 Wall Stops (08 71 23 00-0422)		
08 71 23 00-0483 Aluminum Wall Stops (08 71 23 00-0482)		
08 71 23 00-0484 EA 3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60).....	7.93	2.93
08 71 23 00-0485 EA 3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65).....	11.60	4.38
08 71 23 00-0486 Brass Wall Stops (08 71 23 00-0482)		
08 71 23 00-0487 EA 3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60).....	13.07	2.93
08 71 23 00-0488 EA 3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60).....	13.07	2.93
08 71 23 00-0489 EA 3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60).....	13.07	2.93
08 71 23 00-0490 EA 3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60).....	15.31	2.93
08 71 23 00-0491 EA 3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60).....	15.52	2.93
08 71 23 00-0492 EA 3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60).....	15.52	2.93
08 71 23 00-0493 EA 3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60).....	15.52	2.93
08 71 23 00-0494 EA 3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11).....	35.49	4.38
08 71 23 00-0495 EA 3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11).....	36.28	4.38
08 71 23 00-0496 EA 3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11).....	36.28	4.38
08 71 23 00-0497 EA 3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11).....	36.28	4.38
08 71 23 00-0498 EA 3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11).....	36.28	4.38
08 71 23 00-0499 EA 3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11).....	36.28	4.38
08 71 23 00-0500 EA 3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447).....	29.93	4.38
08 71 23 00-0501 EA 3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447).....	34.20	4.38
08 71 23 00-0502 EA 3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447).....	34.20	4.38
08 71 23 00-0503 EA 3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447).....	34.20	4.38
08 71 23 00-0504 EA 3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447).....	34.20	4.38
08 71 23 00-0505 EA 3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447).....	35.21	4.38
08 71 23 00-0506 EA 3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447).....	35.21	4.38
08 71 23 00-0507 EA 3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33).....	56.30	4.38
08 71 23 00-0508 Steel Wall Stops (08 71 23 00-0482)		
08 71 23 00-0509 EA 3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63).....	6.28	2.93
08 71 23 00-0510 Hinge Pin Door Stops (08 71 23 00-0422)		
08 71 23 00-0511 Aluminum Hinge Pin Door Stops (08 71 23 00-0510)		
08 71 23 00-0512 EA Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70).....	12.99	5.84
08 71 23 00-0513 Brass Hinge Pin Door Stops (08 71 23 00-0510)		
08 71 23 00-0514 EA Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72).....	13.23	5.84
08 71 23 00-0515 EA Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73).....	14.79	5.84
08 71 23 00-0516 EA Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70).....	18.54	5.84

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0517 EA Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	18.54	5.84
08 71 23 00-0518 EA Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	18.54	5.84
08 71 23 00-0519 EA Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	20.30	5.84
08 71 23 00-0520 EA Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	20.30	5.84
08 71 23 00-0521 EA Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	20.30	5.84
08 71 23 00-0522 EA Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70)	20.30	5.84
08 71 23 00-0523 Wall Bumpers (08 71 23 00-0422)		
08 71 23 00-0524 Brass Wall Bumpers (08 71 23 00-0523)		
08 71 23 00-0525 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	17.06	7.31
08 71 23 00-0526 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	17.06	7.31
08 71 23 00-0527 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	17.06	7.31
08 71 23 00-0528 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	17.28	7.31
08 71 23 00-0529 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	17.28	7.31
08 71 23 00-0530 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	17.28	7.31
08 71 23 00-0531 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407)	17.28	7.31
08 71 23 00-0532 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	24.49	7.31
08 71 23 00-0533 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	26.45	7.31
08 71 23 00-0534 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	26.45	7.31
08 71 23 00-0535 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	26.45	7.31
08 71 23 00-0536 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	26.45	7.31
08 71 23 00-0537 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	26.45	7.31
08 71 23 00-0538 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402)	26.89	7.31
08 71 23 00-0539 Rubber Wall Bumpers (08 71 23 00-0523)		
08 71 23 00-0540 EA 1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W)	16.28	7.31
08 71 23 00-0541 Holders (08 71 23 00-0421)		
08 71 23 00-0542 Plunger Type Door Holders (08 71 23 00-0541)		
08 71 23 00-0543 Aluminum Plunger Type Door Holders (08 71 23 00-0542)		
08 71 23 00-0544 EA Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153)	37.44	4.38
08 71 23 00-0545 Brass Plunger Type Door Holders (08 71 23 00-0542)		
08 71 23 00-0546 EA Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	60.48	4.38
08 71 23 00-0547 EA Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	60.48	4.38
08 71 23 00-0548 EA Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	60.48	4.38
08 71 23 00-0549 EA Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	60.48	4.38
08 71 23 00-0550 EA Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	60.48	4.38
08 71 23 00-0551 EA Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	60.48	4.38
08 71 23 00-0552 EA Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154)	60.48	4.38
08 71 23 00-0553 Kick Down Door Holders (08 71 23 00-0541)		
08 71 23 00-0554 Aluminum Kick Down Door Holders (08 71 23 00-0553)		
08 71 23 00-0555 EA Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455)	13.45	4.38
08 71 23 00-0556 Brass Kick Down Door Holders (08 71 23 00-0553)		
08 71 23 00-0557 EA Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455)	27.78	4.38
08 71 23 00-0558 EA Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455)	27.78	4.38
08 71 23 00-0559 EA Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	27.78	4.38
08 71 23 00-0560 EA Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	31.52	4.38
08 71 23 00-0561 EA Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	31.52	4.38
08 71 23 00-0562 EA Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	31.52	4.38
08 71 23 00-0563 EA Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455)	32.46	4.38
08 71 23 00-0564 Steel Kick Down Door Holders (08 71 23 00-0553)		
08 71 23 00-0565 EA Steel Kick Down Door Holder (Ives FS544)	16.34	4.38



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0566 Floor Mounted Door Holders (08 71 23 00-0541)		
08 71 23 00-0567 Brass Floor Mounted Door Holders (08 71 23 00-0566)		
08 71 23 00-0568 EA Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	54.44	8.77
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 23 00-0569 EA Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	54.44	8.77
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 23 00-0570 EA Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	66.86	8.77
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 23 00-0571 EA Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	66.86	8.77
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 23 00-0572 EA Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	66.86	8.77
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 23 00-0573 EA Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	66.86	8.77
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 23 00-0574 EA Up To 1/2" Door To Floor Clearance, Polished Or Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Rockwood 491).....	52.34	8.77
Note: Includes FH MS / plastic anchors.		
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 23 00-0575 EA Up To 1/2" Door To Floor Clearance, Polished Or Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Rockwood 491R).....	54.15	8.77
Note: Includes FH MS / lead anchors.		
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 23 00-0576 EA Up To 1/2" Door To Floor Clearance, Polished Or Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Rockwood 491S).....	57.14	8.77
Note: Includes FH MS / lead anchors and bolts.		
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 23 00-0577 Wall Mounted Door Holders (08 71 23 00-0541)		
08 71 23 00-0578 Aluminum Wall Mounted Door Holders (08 71 23 00-0577)		
08 71 23 00-0579 EA 4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20).....	47.57	5.12
08 71 23 00-0580 EA Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40).....	70.12	8.77
08 71 23 00-0581 Brass Wall Mounted Door Holders (08 71 23 00-0577)		
08 71 23 00-0582 EA 3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	43.80	5.12
08 71 23 00-0583 EA 3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	50.54	5.12
08 71 23 00-0584 EA 3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	50.54	5.12
08 71 23 00-0585 EA 3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	50.54	5.12
08 71 23 00-0586 EA 3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	50.54	5.12
08 71 23 00-0587 EA 3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	50.54	5.12
08 71 23 00-0588 EA 3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	52.12	5.12
08 71 23 00-0589 EA 4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	49.44	5.12
08 71 23 00-0590 EA 4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	58.63	5.12
08 71 23 00-0591 EA 4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	58.63	5.12
08 71 23 00-0592 EA 4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	58.63	5.12
08 71 23 00-0593 EA 4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	58.63	5.12
08 71 23 00-0594 EA 4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	58.63	5.12
08 71 23 00-0595 EA Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	79.29	8.77
08 71 23 00-0596 EA Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	83.42	8.77
08 71 23 00-0597 EA Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40).....	83.42	8.77
08 71 23 00-0598 EA Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40).....	83.42	8.77
08 71 23 00-0599 EA Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	83.42	8.77
08 71 23 00-0600 EA Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	83.42	8.77

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0601 EA 3-1/4" Projection, Rigid Type, Polished Or Satin Finish, Brass Wall Stop And Manual Door Holder (Rockwell 494).....	47.09	5.12
08 71 23 00-0602 EA 3-1/4" Projection, Rigid Type, Polished Or Satin Finish, Brass Wall Stop And Manual Door Holder (Rockwell 494R).....	48.90	5.12
Note: Includes FH MS / lead anchors.		
08 71 23 00-0603 EA 3-1/4" Projection, Rigid Type, Polished Or Satin Finish, Brass Wall Stop And Manual Door Holder (Rockwell 494S).....	51.89	5.12
Note: Includes FH MS / lead anchors and bolts.		
08 71 23 00-0604 Overhead Door Holders (08 71 23 00-0541)		
08 71 23 00-0605 Surface Mounted, Overhead Door Holders (08 71 23 00-0604)		
08 71 23 00-0606 EA Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	246.67	14.61
For Hold Open, Add	27.16	
08 71 23 00-0607 EA Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	281.34	14.61
For Hold Open, Add	32.16	
08 71 23 00-0608 EA Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	281.34	14.61
For Hold Open, Add	32.16	
08 71 23 00-0609 EA Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	281.34	14.61
For Hold Open, Add	32.16	
08 71 23 00-0610 EA Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	280.16	14.61
For Hold Open, Add	31.99	
08 71 23 00-0611 Heavy Duty, Surface Mounted, Overhead Door Holders (08 71 23 00-0604)		
Note: With or without hold open feature.		
08 71 23 00-0612 EA Heavy Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	194.31	14.61
08 71 23 00-0613 EA Heavy Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	277.09	14.61
08 71 23 00-0614 EA Heavy Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	313.18	14.61
08 71 23 00-0615 EA Heavy Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	313.18	14.61
08 71 23 00-0616 EA Heavy Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	313.18	14.61
08 71 23 00-0617 Concealed Mounted, Overhead Door Holders (08 71 23 00-0604)		
Note: With or without hold open feature.		
08 71 23 00-0618 EA Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	268.37	14.61
08 71 23 00-0619 EA Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	268.37	14.61
08 71 23 00-0620 EA Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	282.52	14.61
08 71 23 00-0621 EA Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	294.55	14.61
08 71 23 00-0622 EA Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	294.55	14.61
08 71 23 00-0623 Silencers (08 71 23 00-0421)		
08 71 23 00-0624 EA Replacement Rubber Door Silencers.....	0.87	0.58
Note: For repair / maintenance only. This task is not to be used in conjunction with new door or frame installations.		
08 71 23 00-0625 Bolts (08 71 23 00-0421)		
08 71 23 00-0626 Brass Surface Bolts (08 71 23 00-0625)		
08 71 23 00-0627 EA 8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640).....	79.99	7.31
08 71 23 00-0628 EA 8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640).....	85.44	7.31
08 71 23 00-0629 EA 8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640).....	85.44	7.31
08 71 23 00-0630 Steel Surface Bolts (08 71 23 00-0625)		
08 71 23 00-0631 EA 8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	37.77	7.31
08 71 23 00-0632 EA 8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	37.77	7.31
08 71 23 00-0633 EA 8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	37.77	7.31
08 71 23 00-0634 EA 8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	42.54	7.31
08 71 23 00-0635 EA 8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	43.22	7.31
08 71 23 00-0636 EA 8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	44.58	7.31
08 71 23 00-0637 EA 12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	43.89	7.31
08 71 23 00-0638 EA 12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	45.94	7.31
08 71 23 00-0639 EA 12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	48.67	7.31
08 71 23 00-0640 EA 12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	50.71	7.31
08 71 23 00-0641 EA 12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360).....	77.95	7.31
08 71 23 00-0642 Door Viewer (08 71 23 00-0421)		
08 71 23 00-0643 Brass Door Viewer (08 71 23 00-0642)		
08 71 23 00-0644 EA 120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700).....	21.11	7.31
08 71 23 00-0645 EA 120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700).....	21.11	7.31
08 71 23 00-0646 EA 120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700).....	21.11	7.31
08 71 23 00-0647 EA 150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696).....	24.15	7.31
08 71 23 00-0648 EA 150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696).....	24.15	7.31
08 71 23 00-0649 EA 150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696).....	24.15	7.31
08 71 23 00-0650 EA 190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	27.90	7.31
08 71 23 00-0651 EA 190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	27.90	7.31



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0652 Door Knockers <small>(08 71 23 00-0421)</small>		
08 71 23 00-0653 Brass Door Knockers <small>(08 71 23 00-0652)</small>		
08 71 23 00-0654 EA 5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125).....	30.50	7.31
08 71 23 00-0655 EA 5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125).....	33.38	7.31
08 71 23 00-0656 EA 5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125).....	33.38	7.31
08 71 23 00-0657 EA 5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125).....	33.38	7.31
08 71 23 00-0658 EA 8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107).....	44.35	7.31
08 71 23 00-0659 EA 8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107).....	51.32	7.31
08 71 23 00-0660 Hasps <small>(08 71 23 00-0421)</small>		
08 71 23 00-0661 EA 3-1/4", Zinc Plated Finish, Steel Hasp Assembly.....	14.97	5.51
08 71 23 00-0662 EA 4-1/2", Zinc Plated Finish, Steel Hasp Assembly.....	15.95	5.84
08 71 23 00-0663 EA 6", Zinc Plated Finish, Steel Hasp Assembly.....	20.06	6.58
08 71 23 00-0664 EA 6", Zinc Plated Finish, Steel High Security Hasp Assembly.....	75.69	7.89
08 71 23 00-0665 Flush Bolts <small>(08 71 23 00-0421)</small>		
08 71 23 00-0666 Flush Bolts For Metal Doors <small>(08 71 23 00-0665)</small>		
08 71 23 00-0667 Brass Flush Bolts For Metal Doors <small>(08 71 23 00-0666)</small>		
08 71 23 00-0668 Manual, Brass Flush Bolts For Metal Doors <small>(08 71 23 00-0667)</small>		
Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 23 00-0669 EA Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458).....	29.60	7.31
08 71 23 00-0670 Automatic, Brass Flush Bolts For Metal Doors <small>(08 71 23 00-0667)</small>		
Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 23 00-0671 EA Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T).....	68.95	7.31
08 71 23 00-0672 EA Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B).....	68.95	7.31
08 71 23 00-0673 EA Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P).....	126.36	11.69
08 71 23 00-0674 EA Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32).....	123.44	10.23
08 71 23 00-0675 EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33).....	128.30	10.96
08 71 23 00-0676 Constant Latching, Brass Flush Bolts For Metal Doors <small>(08 71 23 00-0667)</small>		
Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 23 00-0677 EA Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T).....	68.35	7.31
08 71 23 00-0678 EA Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P).....	126.36	11.69
08 71 23 00-0679 EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52).....	123.44	10.23
08 71 23 00-0680 EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53).....	128.30	10.96
08 71 23 00-0681 Stainless Steel Flush Bolts For Metal Doors <small>(08 71 23 00-0666)</small>		
08 71 23 00-0682 Automatic, Stainless Steel Flush Bolts For Metal Doors <small>(08 71 23 00-0681)</small>		
Note: Includes stainless steel construction with bright or satin finish.		
08 71 23 00-0683 EA Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T).....	68.95	7.31
08 71 23 00-0684 EA Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B).....	68.95	7.31
08 71 23 00-0685 EA Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P).....	126.36	11.69
08 71 23 00-0686 EA Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32).....	123.44	10.23
08 71 23 00-0687 EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33).....	128.30	10.96
08 71 23 00-0688 Constant Latching, Stainless Steel Flush Bolts For Metal Doors <small>(08 71 23 00-0681)</small>		
Note: Includes stainless steel construction with bright or satin finish.		
08 71 23 00-0689 EA Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T).....	68.35	7.31
08 71 23 00-0690 EA Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P).....	126.36	11.69
08 71 23 00-0691 EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52).....	123.44	10.23
08 71 23 00-0692 EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53).....	128.30	10.96
08 71 23 00-0693 Flush Bolts For Wood Doors <small>(08 71 23 00-0665)</small>		
08 71 23 00-0694 Brass Flush Bolts For Wood Doors <small>(08 71 23 00-0693)</small>		
08 71 23 00-0695 Manual, Brass Flush Bolts For Wood Doors <small>(08 71 23 00-0694)</small>		
Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 23 00-0696 EA Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358).....	34.69	7.31
08 71 23 00-0697 Automatic, Brass Flush Bolts For Wood Doors <small>(08 71 23 00-0694)</small>		
Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0698 EA Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T)	71.61	7.31
08 71 23 00-0699 EA Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B).....	71.61	7.31
08 71 23 00-0700 EA Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P).....	132.08	11.69
08 71 23 00-0701 EA Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42)	129.16	10.23
08 71 23 00-0702 Constant Latching, Brass Flush Bolts For Wood Doors <small>(08 71 23 00-0694)</small>		
Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 23 00-0703 EA Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T).....	71.07	7.31
08 71 23 00-0704 EA Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P).....	132.08	11.69
08 71 23 00-0705 EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62).....	129.16	10.23
08 71 23 00-0706 Stainless Steel Flush Bolts For Wood Doors <small>(08 71 23 00-0693)</small>		
08 71 23 00-0707 Automatic, Stainless Steel Flush Bolts For Wood Doors <small>(08 71 23 00-0706)</small>		
Note: Includes stainless steel construction with bright or satin finish.		
08 71 23 00-0708 EA Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T).....	71.61	7.31
08 71 23 00-0709 EA Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B).....	71.61	7.31
08 71 23 00-0710 EA Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P)	132.08	11.69
08 71 23 00-0711 EA Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42).....	129.16	10.23
08 71 23 00-0712 Constant Latching, Stainless Steel Flush Bolts For Wood Doors <small>(08 71 23 00-0706)</small>		
Note: Includes stainless steel construction with bright or satin finish.		
08 71 23 00-0713 EA Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T).....	71.07	7.31
08 71 23 00-0714 EA Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P)	132.08	11.69
08 71 23 00-0715 EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62).....	129.16	10.23
08 71 23 00-0716 Dust Proof Strikes <small>(08 71 23 00-0665)</small>		
08 71 23 00-0717 EA Satin Brass Finish, Brass Dust Proof Strike (Ives DP1).....	26.27	5.84
08 71 23 00-0718 EA Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1)	26.27	5.84
08 71 23 00-0719 EA Bright Brass Finish, Brass Dust Proof Strike (Ives DP1).....	26.27	5.84
08 71 23 00-0720 EA Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1).....	26.27	5.84
08 71 23 00-0721 EA Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1)	26.27	5.84
08 71 23 00-0722 EA Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	30.08	5.84
08 71 23 00-0723 EA Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	30.08	5.84
08 71 23 00-0724 EA Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	30.08	5.84
08 71 23 00-0725 EA Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	30.08	5.84
08 71 23 00-0726 EA Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	30.08	5.84
08 71 23 00-0727 Roller Bumpers <small>(08 71 23 00-0421)</small>		
08 71 23 00-0728 Brass Roller Bumpers <small>(08 71 23 00-0727)</small>		
08 71 23 00-0729 EA 5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	27.05	4.38
08 71 23 00-0730 EA 5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	31.60	4.38
08 71 23 00-0731 EA 5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	31.60	4.38
08 71 23 00-0732 EA 4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	26.02	4.38
08 71 23 00-0733 EA 4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	29.49	4.38
08 71 23 00-0734 EA 4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	29.49	4.38
08 71 23 00-0735 EA 4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	29.49	4.38
08 71 23 00-0736 EA 6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	27.12	4.38
08 71 23 00-0737 EA 6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	29.57	4.38
08 71 23 00-0738 EA 6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	30.73	4.38
08 71 23 00-0739 EA 6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	30.73	4.38
08 71 23 00-0740 EA 6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	30.73	4.38
08 71 23 00-0741 EA 6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	30.73	4.38
08 71 23 00-0742 EA 6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	30.73	4.38
08 71 23 00-0743 Other Door Trim <small>(08 71 23 00-0421)</small>		
08 71 23 00-0744 Coat And Hat Hooks <small>(08 71 23 00-0743)</small>		
08 71 23 00-0745 Aluminum Coat And Hat Hooks <small>(08 71 23 00-0744)</small>		
08 71 23 00-0746 EA 1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581).....	10.06	4.38
08 71 23 00-0747 EA 1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581)	10.06	4.38
08 71 23 00-0748 EA 1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581)	10.14	4.38
08 71 23 00-0749 EA 1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571).....	10.00	4.38
08 71 23 00-0750 EA 1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571).....	10.00	4.38
08 71 23 00-0751 EA 1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571).....	10.00	4.38
08 71 23 00-0752 EA 1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571).....	10.14	4.38
08 71 23 00-0753 EA 1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405).....	10.57	4.38
08 71 23 00-0754 EA 1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405).....	10.57	4.38
08 71 23 00-0755 EA 1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405).....	10.57	4.38
08 71 23 00-0756 EA 1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405).....	10.57	4.38
08 71 23 00-0757 EA 1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405).....	10.57	4.38
08 71 23 00-0758 Brass Coat And Hat Hooks <small>(08 71 23 00-0744)</small>		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0759 EA 1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581)	12.37	4.38
08 71 23 00-0760 EA 1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581)	12.60	4.38
08 71 23 00-0761 EA 1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581)	12.95	4.38
08 71 23 00-0762 EA 1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581)	12.95	4.38
08 71 23 00-0763 EA 1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581)	13.17	4.38
08 71 23 00-0764 EA 1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571)	13.89	4.38
08 71 23 00-0765 EA 1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571)	14.91	4.38
08 71 23 00-0766 EA 1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571)	14.91	4.38
08 71 23 00-0767 EA 1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571)	14.91	4.38
08 71 23 00-0768 EA 1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571)	15.13	4.38
08 71 23 00-0769 Cane Bolt <small>(08 71 23 00-0743)</small>		
08 71 23 00-0770 EA 18" Cane Bolt With Padlock Eyes Welded To Bolt, Manual, Steel Bolt For Doors (Stanley 1009)	16.54	5.84
08 71 23 00-0771 Door Plates And Pulls <small>(08 71 23)</small>		
08 71 23 00-0772 Kick Plate <small>(08 71 23 00-0771)</small>		
Note: Ives 8400.		
08 71 23 00-0773 Aluminum Base Material Kick Plate <small>(08 71 23 00-0772)</small>		
08 71 23 00-0774 Satin Aluminum Finish, Aluminum Kick Plate <small>(08 71 23 00-0773)</small>		
08 71 23 00-0775 EA 8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	28.80	4.38
For Four Beveled Edges, Add	1.76	
For Counter Sink Holes, Add	5.60	
For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0776 EA 8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	29.84	4.38
For Four Beveled Edges, Add	1.76	
For Counter Sink Holes, Add	5.60	
For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0777 EA 8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	30.85	4.38
For Four Beveled Edges, Add	1.76	
For Counter Sink Holes, Add	5.60	
For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0778 EA 8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	31.88	4.38
For Four Beveled Edges, Add	1.76	
For Counter Sink Holes, Add	5.60	
For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0779 EA 8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	34.08	4.67
For Four Beveled Edges, Add	1.76	
For Counter Sink Holes, Add	5.60	
For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0780 EA 8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	35.08	4.67
For Four Beveled Edges, Add	1.76	
For Counter Sink Holes, Add	5.60	
For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0781 EA 8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	36.12	4.67
For Four Beveled Edges, Add	1.76	
For Counter Sink Holes, Add	5.60	
For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0782 EA 8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	37.13	4.67
For Four Beveled Edges, Add	1.76	
For Counter Sink Holes, Add	5.60	
For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0783 EA 8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	39.33	4.97
For Four Beveled Edges, Add	1.76	
For Counter Sink Holes, Add	5.60	
For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0784 EA 8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	40.35	4.97
For Four Beveled Edges, Add	1.76	
For Counter Sink Holes, Add	5.60	
For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0785 EA 8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	41.37	4.97
For Four Beveled Edges, Add	1.76	
For Counter Sink Holes, Add	5.60	
For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0786 EA 8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	43.58	5.26
For Four Beveled Edges, Add	1.76	
For Counter Sink Holes, Add	5.60	
For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0787 EA 8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	44.60	5.26
For Four Beveled Edges, Add	1.76	
For Counter Sink Holes, Add	5.60	
For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0788 EA 8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	45.62	5.26
For Four Beveled Edges, Add	1.76	
For Counter Sink Holes, Add	5.60	
For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0789 EA 10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	31.63	4.38
For Four Beveled Edges, Add	1.76	
For Counter Sink Holes, Add	5.60	
For UL Label (Fire Rated), Add	9.80	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0790	EA		10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	32.92 1.76 5.60 9.80	4.38
08 71 23 00-0791	EA		10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	34.18 1.76 5.60 9.80	4.38
08 71 23 00-0792	EA		10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	35.47 1.76 5.60 9.80	4.38
08 71 23 00-0793	EA		10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	37.91 1.76 5.60 9.80	4.67
08 71 23 00-0794	EA		10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.18 1.76 5.60 9.80	4.67
08 71 23 00-0795	EA		10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.47 1.76 5.60 9.80	4.67
08 71 23 00-0796	EA		10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.74 1.76 5.60 9.80	4.67
08 71 23 00-0797	EA		10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.20 1.76 5.60 9.80	4.97
08 71 23 00-0798	EA		10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.47 1.76 5.60 9.80	4.97
08 71 23 00-0799	EA		10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.76 1.76 5.60 9.80	4.97
08 71 23 00-0800	EA		10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.21 1.76 5.60 9.80	5.26
08 71 23 00-0801	EA		10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.48 1.76 5.60 9.80	5.26
08 71 23 00-0802	EA		10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.76 1.76 5.60 9.80	5.26
08 71 23 00-0803	EA		12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	34.45 1.76 5.60 9.80	4.38
08 71 23 00-0804	EA		12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	35.97 1.76 5.60 9.80	4.38
08 71 23 00-0805	EA		12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	37.53 1.76 5.60 9.80	4.38
08 71 23 00-0806	EA		12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.04 1.76 5.60 9.80	4.38
08 71 23 00-0807	EA		12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.74 1.76 5.60 9.80	4.67
08 71 23 00-0808	EA		12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.28 1.76 5.60 9.80	4.67
08 71 23 00-0809	EA		12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.81 1.76 5.60 9.80	4.67
08 71 23 00-0810	EA		12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.35 1.76 5.60 9.80	4.67



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0811 EA 12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.06 1.76 5.60 9.80	4.97
08 71 23 00-0812 EA 12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.59 1.76 5.60 9.80	4.97
08 71 23 00-0813 EA 12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.14 1.76 5.60 9.80	4.97
08 71 23 00-0814 EA 12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.84 1.76 5.60 9.80	5.26
08 71 23 00-0815 EA 12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.37 1.76 5.60 9.80	5.26
08 71 23 00-0816 EA 12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.92 1.76 5.60 9.80	5.26
08 71 23 00-0817 EA 14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.41 1.76 5.60 9.80	4.67
08 71 23 00-0818 EA 14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.20 1.76 5.60 9.80	4.67
08 71 23 00-0819 EA 14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.01 1.76 5.60 9.80	4.67
08 71 23 00-0820 EA 14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.81 1.76 5.60 9.80	4.67
08 71 23 00-0821 EA 14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.76 1.76 5.60 9.80	4.97
08 71 23 00-0822 EA 14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.55 1.76 5.60 9.80	4.97
08 71 23 00-0823 EA 14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.34 1.76 5.60 9.80	4.97
08 71 23 00-0824 EA 14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.14 1.76 5.60 9.80	4.97
08 71 23 00-0825 EA 14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.10 1.76 5.60 9.80	5.26
08 71 23 00-0826 EA 14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.88 1.76 5.60 9.80	5.26
08 71 23 00-0827 EA 14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.67 1.76 5.60 9.80	5.26
08 71 23 00-0828 EA 14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.63 1.76 5.60 9.80	5.55
08 71 23 00-0829 EA 14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.44 1.76 5.60 9.80	5.55
08 71 23 00-0830 EA 14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.23 1.76 5.60 9.80	5.55
08 71 23 00-0831 EA 16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.24 1.76 5.60 9.80	4.67

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0832	EA		16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	43.28	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0833	EA		16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	45.34	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0834	EA		16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	47.38	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0835	EA		16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	48.55	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0836	EA		16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	52.65	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0837	EA		16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	54.71	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0838	EA		16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	56.75	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0839	EA		16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	59.96	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0840	EA		16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	62.02	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0841	EA		16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	64.06	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0842	EA		16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	67.27	5.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0843	EA		16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	69.32	5.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0844	EA		16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	71.39	5.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0845	EA		18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	45.67	4.67
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0846	EA		18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	48.12	4.67
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0847	EA		18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	50.58	4.67
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0848	EA		18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	53.03	4.67
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0849	EA		18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	56.64	4.97
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0850	EA		18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	59.09	4.97
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0851	EA		18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	61.55	4.97
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0852	EA		18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	64.00	4.97
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0853	EA	18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.62 6.30 5.60 9.80	5.26
08 71 23 00-0854	EA	18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.08 6.30 5.60 9.80	5.26
08 71 23 00-0855	EA	18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.53 6.30 5.60 9.80	5.26
08 71 23 00-0856	EA	18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.15 6.30 5.60 9.80	5.55
08 71 23 00-0857	EA	18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.60 6.30 5.60 9.80	5.55
08 71 23 00-0858	EA	18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.06 6.30 5.60 9.80	5.55
08 71 23 00-0859	EA	20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.84 6.30 5.60 9.80	4.97
08 71 23 00-0860	EA	20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.56 6.30 5.60 9.80	4.97
08 71 23 00-0861	EA	20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.28 6.30 5.60 9.80	4.97
08 71 23 00-0862	EA	20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.01 6.30 5.60 9.80	4.97
08 71 23 00-0863	EA	20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.90 6.30 5.60 9.80	5.26
08 71 23 00-0864	EA	20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.63 6.30 5.60 9.80	5.26
08 71 23 00-0865	EA	20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.35 6.30 5.60 9.80	5.26
08 71 23 00-0866	EA	20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.08 6.30 5.60 9.80	5.26
08 71 23 00-0867	EA	20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.97 6.30 5.60 9.80	5.55
08 71 23 00-0868	EA	20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.69 6.30 5.60 9.80	5.55
08 71 23 00-0869	EA	20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.42 6.30 5.60 9.80	5.55
08 71 23 00-0870	EA	20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.31 6.30 5.60 9.80	5.84
08 71 23 00-0871	EA	20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.04 6.30 5.60 9.80	5.84
08 71 23 00-0872	EA	20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.76 6.30 5.60 9.80	5.84
08 71 23 00-0873	EA	22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.83 6.30 5.60 9.80	4.97

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0874	EA		22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	55.83	4.97
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0875	EA		22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	58.82	4.97
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0876	EA		22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	61.82	4.97
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0877	EA		22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	65.99	5.26
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0878	EA		22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	68.99	5.26
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0879	EA		22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	71.99	5.26
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0880	EA		22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	74.98	5.26
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0881	EA		22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	79.15	5.55
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0882	EA		22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	82.14	5.55
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0883	EA		22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	85.14	5.55
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0884	EA		22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	89.30	5.84
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0885	EA		22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	92.30	5.84
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0886	EA		22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	95.29	5.84
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0887	EA		24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	55.83	4.97
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0888	EA		24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	59.09	4.97
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0889	EA		24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	62.37	4.97
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0890	EA		24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	65.64	4.97
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0891	EA		24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	70.08	5.26
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0892	EA		24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	73.34	5.26
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0893	EA		24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	76.61	5.26
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0894	EA		24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	79.89	5.26
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0895 EA 24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.32 6.30 5.60 9.80	5.55
08 71 23 00-0896 EA 24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.59 6.30 5.60 9.80	5.55
08 71 23 00-0897 EA 24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.86 6.30 5.60 9.80	5.55
08 71 23 00-0898 EA 24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.29 6.30 5.60 9.80	5.84
08 71 23 00-0899 EA 24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.57 6.30 5.60 9.80	5.84
08 71 23 00-0900 EA 24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.84 6.30 5.60 9.80	5.84
08 71 23 00-0901 Brass Base Material Kick Plate (08 71 23 00-0772)		
08 71 23 00-0902 Bright/Satin Brass Finish, Brass Kick Plate (08 71 23 00-0901)		
08 71 23 00-0903 EA 8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.82 1.76 5.60 9.80	4.38
08 71 23 00-0904 EA 8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.20 1.76 5.60 9.80	4.38
08 71 23 00-0905 EA 8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.60 1.76 5.60 9.80	4.38
08 71 23 00-0906 EA 8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.98 1.76 5.60 9.80	4.38
08 71 23 00-0907 EA 8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.53 1.76 5.60 9.80	4.67
08 71 23 00-0908 EA 8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.94 1.76 5.60 9.80	4.67
08 71 23 00-0909 EA 8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.32 1.76 5.60 9.80	4.67
08 71 23 00-0910 EA 8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.71 1.76 5.60 9.80	4.67
08 71 23 00-0911 EA 8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.26 1.76 5.60 9.80	4.97
08 71 23 00-0912 EA 8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.64 1.76 5.60 9.80	4.97
08 71 23 00-0913 EA 8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.03 1.76 5.60 9.80	4.97
08 71 23 00-0914 EA 8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.58 1.76 5.60 9.80	5.26
08 71 23 00-0915 EA 8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.99 1.76 5.60 9.80	5.26
08 71 23 00-0916 EA 8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.38 1.76 5.60 9.80	5.26

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0917	EA		10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	64.15	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0918	EA		10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	68.37	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0919	EA		10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	72.61	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0920	EA		10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	76.85	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0921	EA		10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	82.23	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0922	EA		10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	86.47	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0923	EA		10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	90.72	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0924	EA		10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	94.95	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0925	EA		10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	100.35	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0926	EA		10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	104.59	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0927	EA		10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	108.84	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0928	EA		10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	114.23	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0929	EA		10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	118.47	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0930	EA		10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	122.71	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0931	EA		12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	73.44	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0932	EA		12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	78.55	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0933	EA		12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	83.62	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0934	EA		12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	88.70	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0935	EA		12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	94.95	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0936	EA		12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	100.04	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0937	EA		12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	105.12	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0938 EA 12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.19 1.76 5.60 9.80	4.67
08 71 23 00-0939 EA 12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.47 1.76 5.60 9.80	4.97
08 71 23 00-0940 EA 12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.54 1.76 5.60 9.80	4.97
08 71 23 00-0941 EA 12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.62 1.76 5.60 9.80	4.97
08 71 23 00-0942 EA 12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.87 1.76 5.60 9.80	5.26
08 71 23 00-0943 EA 12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.94 1.76 5.60 9.80	5.26
08 71 23 00-0944 EA 12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.05 1.76 5.60 9.80	5.26
08 71 23 00-0945 EA 14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.94 1.76 5.60 9.80	4.67
08 71 23 00-0946 EA 14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.86 1.76 5.60 9.80	4.67
08 71 23 00-0947 EA 14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.79 1.76 5.60 9.80	4.67
08 71 23 00-0948 EA 14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.73 1.76 5.60 9.80	4.67
08 71 23 00-0949 EA 14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.84 1.76 5.60 9.80	4.97
08 71 23 00-0950 EA 14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.77 1.76 5.60 9.80	4.97
08 71 23 00-0951 EA 14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.69 1.76 5.60 9.80	4.97
08 71 23 00-0952 EA 14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.62 1.76 5.60 9.80	4.97
08 71 23 00-0953 EA 14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.72 1.76 5.60 9.80	5.26
08 71 23 00-0954 EA 14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.65 1.76 5.60 9.80	5.26
08 71 23 00-0955 EA 14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.57 1.76 5.60 9.80	5.26
08 71 23 00-0956 EA 14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.68 1.76 5.60 9.80	5.55
08 71 23 00-0957 EA 14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.62 1.76 5.60 9.80	5.55
08 71 23 00-0958 EA 14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.55 1.76 5.60 9.80	5.55

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0959	EA		16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	116.92	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0960	EA		16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	125.87	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0961	EA		16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	134.80	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0962	EA		16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	143.72	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0963	EA		16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	153.81	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0964	EA		16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	162.75	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0965	EA		16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	171.69	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0966	EA		16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	180.60	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0967	EA		16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	190.72	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0968	EA		16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	199.66	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0969	EA		16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	208.58	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0970	EA		16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	218.67	5.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0971	EA		16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	227.60	5.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0972	EA		16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	236.54	5.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0973	EA		18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	129.01	4.67
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0974	EA		18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	139.04	4.67
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0975	EA		18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	149.05	4.67
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0976	EA		18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	159.10	4.67
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0977	EA		18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	170.29	4.97
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0978	EA		18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	180.30	4.97
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0979	EA		18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	190.35	4.97
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0980 EA 18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	200.36 6.30 5.60 9.80	4.97
08 71 23 00-0981 EA 18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	211.58 6.30 5.60 9.80	5.26
08 71 23 00-0982 EA 18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.60 6.30 5.60 9.80	5.26
08 71 23 00-0983 EA 18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	231.62 6.30 5.60 9.80	5.26
08 71 23 00-0984 EA 18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	242.83 6.30 5.60 9.80	5.55
08 71 23 00-0985 EA 18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	252.85 6.30 5.60 9.80	5.55
08 71 23 00-0986 EA 18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	262.87 6.30 5.60 9.80	5.55
08 71 23 00-0987 EA 20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.43 6.30 5.60 9.80	4.97
08 71 23 00-0988 EA 20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.57 6.30 5.60 9.80	4.97
08 71 23 00-0989 EA 20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.72 6.30 5.60 9.80	4.97
08 71 23 00-0990 EA 20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.84 6.30 5.60 9.80	4.97
08 71 23 00-0991 EA 20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.17 6.30 5.60 9.80	5.26
08 71 23 00-0992 EA 20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	199.31 6.30 5.60 9.80	5.26
08 71 23 00-0993 EA 20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.45 6.30 5.60 9.80	5.26
08 71 23 00-0994 EA 20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.60 6.30 5.60 9.80	5.26
08 71 23 00-0995 EA 20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.89 6.30 5.60 9.80	5.55
08 71 23 00-0996 EA 20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	245.05 6.30 5.60 9.80	5.55
08 71 23 00-0997 EA 20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	256.19 6.30 5.60 9.80	5.55
08 71 23 00-0998 EA 20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	268.50 6.30 5.60 9.80	5.84
08 71 23 00-0999 EA 20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	279.65 6.30 5.60 9.80	5.84
08 71 23 00-1000 EA 20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	290.77 6.30 5.60 9.80	5.84

08 Openings**08 70 Hardware**

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-1001	EA	22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.70 6.30 5.60 9.80	4.97
08 71	23 00-1002	EA	22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.94 6.30 5.60 9.80	4.97
08 71	23 00-1003	EA	22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.19 6.30 5.60 9.80	4.97
08 71	23 00-1004	EA	22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.46 6.30 5.60 9.80	4.97
08 71	23 00-1005	EA	22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.88 6.30 5.60 9.80	5.26
08 71	23 00-1006	EA	22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	217.15 6.30 5.60 9.80	5.26
08 71	23 00-1007	EA	22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	229.40 6.30 5.60 9.80	5.26
08 71	23 00-1008	EA	22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	241.66 6.30 5.60 9.80	5.26
08 71	23 00-1009	EA	22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	255.07 6.30 5.60 9.80	5.55
08 71	23 00-1010	EA	22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	267.33 6.30 5.60 9.80	5.55
08 71	23 00-1011	EA	22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	279.59 6.30 5.60 9.80	5.55
08 71	23 00-1012	EA	22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	293.02 6.30 5.60 9.80	5.84
08 71	23 00-1013	EA	22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	305.28 6.30 5.60 9.80	5.84
08 71	23 00-1014	EA	22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	317.51 6.30 5.60 9.80	5.84
08 71	23 00-1015	EA	24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.94 6.30 5.60 9.80	4.97
08 71	23 00-1016	EA	24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	180.30 6.30 5.60 9.80	4.97
08 71	23 00-1017	EA	24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.69 6.30 5.60 9.80	4.97
08 71	23 00-1018	EA	24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	207.06 6.30 5.60 9.80	4.97
08 71	23 00-1019	EA	24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.60 6.30 5.60 9.80	5.26
08 71	23 00-1020	EA	24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	234.96 6.30 5.60 9.80	5.26
08 71	23 00-1021	EA	24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	248.34 6.30 5.60 9.80	5.26



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1022 EA 24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	262.44 6.30 5.60 9.80	5.26
08 71 23 00-1023 EA 24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	276.24 6.30 5.60 9.80	5.55
08 71 23 00-1024 EA 24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	289.60 6.30 5.60 9.80	5.55
08 71 23 00-1025 EA 24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	302.98 6.30 5.60 9.80	5.55
08 71 23 00-1026 EA 24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	317.51 6.30 5.60 9.80	5.84
08 71 23 00-1027 EA 24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	330.91 6.30 5.60 9.80	5.84
08 71 23 00-1028 EA 24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	344.27 6.30 5.60 9.80	5.84
08 71 23 00-1029 Bright/Satin Chrome Finish, Brass Kick Plate <small>(08 71 23 00-0901)</small>		
08 71 23 00-1030 EA 8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.65 1.76 5.60 9.80	4.38
08 71 23 00-1031 EA 8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.39 1.76 5.60 9.80	4.38
08 71 23 00-1032 EA 8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.13 1.76 5.60 9.80	4.38
08 71 23 00-1033 EA 8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.87 1.76 5.60 9.80	4.38
08 71 23 00-1034 EA 8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.76 1.76 5.60 9.80	4.67
08 71 23 00-1035 EA 8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.49 1.76 5.60 9.80	4.67
08 71 23 00-1036 EA 8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.23 1.76 5.60 9.80	4.67
08 71 23 00-1037 EA 8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.97 1.76 5.60 9.80	4.67
08 71 23 00-1038 EA 8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.88 1.76 5.60 9.80	4.97
08 71 23 00-1039 EA 8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.63 1.76 5.60 9.80	4.97
08 71 23 00-1040 EA 8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.36 1.76 5.60 9.80	4.97
08 71 23 00-1041 EA 8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.27 1.76 5.60 9.80	5.26
08 71 23 00-1042 EA 8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.01 1.76 5.60 9.80	5.26

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1043	EA		8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.75 1.76 5.60 9.80	5.26
08 71 23 00-1044	EA		10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.93 1.76 5.60 9.80	4.38
08 71 23 00-1045	EA		10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.60 1.76 5.60 9.80	4.38
08 71 23 00-1046	EA		10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.27 1.76 5.60 9.80	4.38
08 71 23 00-1047	EA		10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.94 1.76 5.60 9.80	4.38
08 71 23 00-1048	EA		10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.79 1.76 5.60 9.80	4.67
08 71 23 00-1049	EA		10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.46 1.76 5.60 9.80	4.67
08 71 23 00-1050	EA		10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.13 1.76 5.60 9.80	4.67
08 71 23 00-1051	EA		10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.80 1.76 5.60 9.80	4.67
08 71 23 00-1052	EA		10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.64 1.76 5.60 9.80	4.97
08 71 23 00-1053	EA		10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.31 1.76 5.60 9.80	4.97
08 71 23 00-1054	EA		10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.98 1.76 5.60 9.80	4.97
08 71 23 00-1055	EA		10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.82 1.76 5.60 9.80	5.26
08 71 23 00-1056	EA		10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.49 1.76 5.60 9.80	5.26
08 71 23 00-1057	EA		10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.16 1.76 5.60 9.80	5.26
08 71 23 00-1058	EA		12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.21 1.76 5.60 9.80	4.38
08 71 23 00-1059	EA		12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.81 1.76 5.60 9.80	4.38
08 71 23 00-1060	EA		12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.43 1.76 5.60 9.80	4.38
08 71 23 00-1061	EA		12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.03 1.76 5.60 9.80	4.38
08 71 23 00-1062	EA		12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.80 1.76 5.60 9.80	4.67
08 71 23 00-1063	EA		12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.41 1.76 5.60 9.80	4.67



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1064	EA		12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.01 1.76 5.60 9.80	4.67
08 71 23 00-1065	EA		12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.61 1.76 5.60 9.80	4.67
08 71 23 00-1066	EA		12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.38 1.76 5.60 9.80	4.97
08 71 23 00-1067	EA		12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.99 1.76 5.60 9.80	4.97
08 71 23 00-1068	EA		12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.60 1.76 5.60 9.80	4.97
08 71 23 00-1069	EA		12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.37 1.76 5.60 9.80	5.26
08 71 23 00-1070	EA		12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.00 1.76 5.60 9.80	5.26
08 71 23 00-1071	EA		12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.60 1.76 5.60 9.80	5.26
08 71 23 00-1072	EA		14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.64 1.76 5.60 9.80	4.67
08 71 23 00-1073	EA		14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.19 1.76 5.60 9.80	4.67
08 71 23 00-1074	EA		14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.74 1.76 5.60 9.80	4.67
08 71 23 00-1075	EA		14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.27 1.76 5.60 9.80	4.67
08 71 23 00-1076	EA		14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.98 1.76 5.60 9.80	4.97
08 71 23 00-1077	EA		14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.52 1.76 5.60 9.80	4.97
08 71 23 00-1078	EA		14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.05 1.76 5.60 9.80	4.97
08 71 23 00-1079	EA		14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.60 1.76 5.60 9.80	4.97
08 71 23 00-1080	EA		14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.33 1.76 5.60 9.80	5.26
08 71 23 00-1081	EA		14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.86 1.76 5.60 9.80	5.26
08 71 23 00-1082	EA		14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.39 1.76 5.60 9.80	5.26
08 71 23 00-1083	EA		14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.32 1.76 5.60 9.80	5.55
08 71 23 00-1084	EA		14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	172.64 1.76 5.60 9.80	5.55

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1085	EA		14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.19 1.76 5.60 9.80	5.55
08 71 23 00-1086	EA		16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.33 1.76 5.60 9.80	4.67
08 71 23 00-1087	EA		16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.30 1.76 5.60 9.80	4.67
08 71 23 00-1088	EA		16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.27 1.76 5.60 9.80	4.67
08 71 23 00-1089	EA		16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.23 1.76 5.60 9.80	4.67
08 71 23 00-1090	EA		16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.37 1.76 5.60 9.80	4.97
08 71 23 00-1091	EA		16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.33 1.76 5.60 9.80	4.97
08 71 23 00-1092	EA		16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	189.31 1.76 5.60 9.80	4.97
08 71 23 00-1093	EA		16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	199.28 1.76 5.60 9.80	4.97
08 71 23 00-1094	EA		16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.41 1.76 5.60 9.80	5.26
08 71 23 00-1095	EA		16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.38 1.76 5.60 9.80	5.26
08 71 23 00-1096	EA		16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	230.34 1.76 5.60 9.80	5.26
08 71 23 00-1097	EA		16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	241.48 1.76 5.60 9.80	5.55
08 71 23 00-1098	EA		16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	251.44 1.76 5.60 9.80	5.55
08 71 23 00-1099	EA		16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	261.41 1.76 5.60 9.80	5.55
08 71 23 00-1100	EA		18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.68 6.30 5.60 9.80	4.67
08 71 23 00-1101	EA		18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.87 6.30 5.60 9.80	4.67
08 71 23 00-1102	EA		18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.04 6.30 5.60 9.80	4.67
08 71 23 00-1103	EA		18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.23 6.30 5.60 9.80	4.67
08 71 23 00-1104	EA		18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	187.57 6.30 5.60 9.80	4.97
08 71 23 00-1105	EA		18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.75 6.30 5.60 9.80	4.97



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1106 EA 18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.93 6.30 5.60 9.80	4.97
08 71 23 00-1107 EA 18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.11 6.30 5.60 9.80	4.97
08 71 23 00-1108 EA 18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.44 6.30 5.60 9.80	5.26
08 71 23 00-1109 EA 18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	244.64 6.30 5.60 9.80	5.26
08 71 23 00-1110 EA 18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	255.83 6.30 5.60 9.80	5.26
08 71 23 00-1111 EA 18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	268.16 6.30 5.60 9.80	5.55
08 71 23 00-1112 EA 18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	279.36 6.30 5.60 9.80	5.55
08 71 23 00-1113 EA 18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	290.52 6.30 5.60 9.80	5.55
08 71 23 00-1114 EA 20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.50 6.30 5.60 9.80	4.97
08 71 23 00-1115 EA 20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.95 6.30 5.60 9.80	4.97
08 71 23 00-1116 EA 20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	181.35 6.30 5.60 9.80	4.97
08 71 23 00-1117 EA 20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.79 6.30 5.60 9.80	4.97
08 71 23 00-1118 EA 20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	207.37 6.30 5.60 9.80	5.26
08 71 23 00-1119 EA 20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	219.79 6.30 5.60 9.80	5.26
08 71 23 00-1120 EA 20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	232.22 6.30 5.60 9.80	5.26
08 71 23 00-1121 EA 20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	244.64 6.30 5.60 9.80	5.26
08 71 23 00-1122 EA 20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	258.25 6.30 5.60 9.80	5.55
08 71 23 00-1123 EA 20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	270.65 6.30 5.60 9.80	5.55
08 71 23 00-1124 EA 20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	283.07 6.30 5.60 9.80	5.55
08 71 23 00-1125 EA 20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	296.67 6.30 5.60 9.80	5.84
08 71 23 00-1126 EA 20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	309.09 6.30 5.60 9.80	5.84

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1127	EA		20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	321.52 6.30 5.60 9.80	5.84
08 71 23 00-1128	EA		22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	170.17 6.30 5.60 9.80	4.97
08 71 23 00-1129	EA		22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.85 6.30 5.60 9.80	4.97
08 71 23 00-1130	EA		22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	197.51 6.30 5.60 9.80	4.97
08 71 23 00-1131	EA		22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	211.16 6.30 5.60 9.80	4.97
08 71 23 00-1132	EA		22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	226.01 6.30 5.60 9.80	5.26
08 71 23 00-1133	EA		22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	239.67 6.30 5.60 9.80	5.26
08 71 23 00-1134	EA		22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	253.34 6.30 5.60 9.80	5.26
08 71 23 00-1135	EA		22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	266.99 6.30 5.60 9.80	5.26
08 71 23 00-1136	EA		22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	281.84 6.30 5.60 9.80	5.55
08 71 23 00-1137	EA		22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	295.50 6.30 5.60 9.80	5.55
08 71 23 00-1138	EA		22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	309.17 6.30 5.60 9.80	5.55
08 71 23 00-1139	EA		22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	324.00 6.30 5.60 9.80	5.84
08 71 23 00-1140	EA		22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	337.65 6.30 5.60 9.80	5.84
08 71 23 00-1141	EA		22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	351.33 6.30 5.60 9.80	5.84
08 71 23 00-1142	EA		24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.85 6.30 5.60 9.80	4.97
08 71 23 00-1143	EA		24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.75 6.30 5.60 9.80	4.97
08 71 23 00-1144	EA		24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	213.65 6.30 5.60 9.80	4.97
08 71 23 00-1145	EA		24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	228.56 6.30 5.60 9.80	4.97
08 71 23 00-1146	EA		24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	244.64 6.30 5.60 9.80	5.26
08 71 23 00-1147	EA		24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	259.54 6.30 5.60 9.80	5.26



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1148	EA		24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	274.47 6.30 5.60 9.80	5.26
08 71 23 00-1149	EA		24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	289.35 6.30 5.60 9.80	5.26
08 71 23 00-1150	EA		24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	305.43 6.30 5.60 9.80	5.55
08 71 23 00-1151	EA		24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	320.35 6.30 5.60 9.80	5.55
08 71 23 00-1152	EA		24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	335.26 6.30 5.60 9.80	5.55
08 71 23 00-1153	EA		24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	351.33 6.30 5.60 9.80	5.84
08 71 23 00-1154	EA		24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	366.24 6.30 5.60 9.80	5.84
08 71 23 00-1155	EA		24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	381.14 6.30 5.60 9.80	5.84
08 71 23 00-1156			Satin/Dark Bronze Finish, Brass Kick Plate <small>(08 71 23 00-0901)</small>		
08 71 23 00-1157	EA		8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.38 1.76 5.60 9.80	4.38
08 71 23 00-1158	EA		8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.17 1.76 5.60 9.80	4.38
08 71 23 00-1159	EA		8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.99 1.76 5.60 9.80	4.38
08 71 23 00-1160	EA		8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.77 1.76 5.60 9.80	4.38
08 71 23 00-1161	EA		8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.75 1.76 5.60 9.80	4.67
08 71 23 00-1162	EA		8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.55 1.76 5.60 9.80	4.67
08 71 23 00-1163	EA		8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.36 1.76 5.60 9.80	4.67
08 71 23 00-1164	EA		8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.16 1.76 5.60 9.80	4.67
08 71 23 00-1165	EA		8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.11 1.76 5.60 9.80	4.97
08 71 23 00-1166	EA		8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.93 1.76 5.60 9.80	4.97
08 71 23 00-1167	EA		8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.73 1.76 5.60 9.80	4.97
08 71 23 00-1168	EA		8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.71 1.76 5.60 9.80	5.26

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1169	EA		8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.51 1.76 5.60 9.80	5.26
08 71 23 00-1170	EA		8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.32 1.76 5.60 9.80	5.26
08 71 23 00-1171	EA		10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.83 1.76 5.60 9.80	4.38
08 71 23 00-1172	EA		10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.59 1.76 5.60 9.80	4.38
08 71 23 00-1173	EA		10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.34 1.76 5.60 9.80	4.38
08 71 23 00-1174	EA		10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.09 1.76 5.60 9.80	4.38
08 71 23 00-1175	EA		10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.00 1.76 5.60 9.80	4.67
08 71 23 00-1176	EA		10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.76 1.76 5.60 9.80	4.67
08 71 23 00-1177	EA		10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.51 1.76 5.60 9.80	4.67
08 71 23 00-1178	EA		10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.26 1.76 5.60 9.80	4.67
08 71 23 00-1179	EA		10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.19 1.76 5.60 9.80	4.97
08 71 23 00-1180	EA		10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.95 1.76 5.60 9.80	4.97
08 71 23 00-1181	EA		10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.69 1.76 5.60 9.80	4.97
08 71 23 00-1182	EA		10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.63 1.76 5.60 9.80	5.26
08 71 23 00-1183	EA		10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.37 1.76 5.60 9.80	5.26
08 71 23 00-1184	EA		10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.13 1.76 5.60 9.80	5.26
08 71 23 00-1185	EA		12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.29 1.76 5.60 9.80	4.38
08 71 23 00-1186	EA		12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.00 1.76 5.60 9.80	4.38
08 71 23 00-1187	EA		12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.69 1.76 5.60 9.80	4.38
08 71 23 00-1188	EA		12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.40 1.76 5.60 9.80	4.38
08 71 23 00-1189	EA		12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.26 1.76 5.60 9.80	4.67



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-1190	EA	12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.98 1.76 5.60 9.80	4.67
08 71	23 00-1191	EA	12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.69 1.76 5.60 9.80	4.67
08 71	23 00-1192	EA	12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.38 1.76 5.60 9.80	4.67
08 71	23 00-1193	EA	12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.26 1.76 5.60 9.80	4.97
08 71	23 00-1194	EA	12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.96 1.76 5.60 9.80	4.97
08 71	23 00-1195	EA	12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.65 1.76 5.60 9.80	4.97
08 71	23 00-1196	EA	12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.53 1.76 5.60 9.80	5.26
08 71	23 00-1197	EA	12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.25 1.76 5.60 9.80	5.26
08 71	23 00-1198	EA	12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.94 1.76 5.60 9.80	5.26
08 71	23 00-1199	EA	14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.90 1.76 5.60 9.80	4.67
08 71	23 00-1200	EA	14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.56 1.76 5.60 9.80	4.67
08 71	23 00-1201	EA	14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.21 1.76 5.60 9.80	4.67
08 71	23 00-1202	EA	14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.86 1.76 5.60 9.80	4.67
08 71	23 00-1203	EA	14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.69 1.76 5.60 9.80	4.97
08 71	23 00-1204	EA	14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.35 1.76 5.60 9.80	4.97
08 71	23 00-1205	EA	14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.00 1.76 5.60 9.80	4.97
08 71	23 00-1206	EA	14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.65 1.76 5.60 9.80	4.97
08 71	23 00-1207	EA	14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.48 1.76 5.60 9.80	5.26
08 71	23 00-1208	EA	14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.14 1.76 5.60 9.80	5.26
08 71	23 00-1209	EA	14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.79 1.76 5.60 9.80	5.26
08 71	23 00-1210	EA	14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.62 1.76 5.60 9.80	5.55

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-1211	EA	14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.29 1.76 5.60 9.80	5.55
08 71	23 00-1212	EA	14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	181.95 1.76 5.60 9.80	5.55
08 71	23 00-1213	EA	16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.33 1.76 5.60 9.80	4.67
08 71	23 00-1214	EA	16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.30 1.76 5.60 9.80	4.67
08 71	23 00-1215	EA	16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.27 1.76 5.60 9.80	4.67
08 71	23 00-1216	EA	16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.23 1.76 5.60 9.80	4.67
08 71	23 00-1217	EA	16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.37 1.76 5.60 9.80	4.97
08 71	23 00-1218	EA	16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.33 1.76 5.60 9.80	4.97
08 71	23 00-1219	EA	16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	189.31 1.76 5.60 9.80	4.97
08 71	23 00-1220	EA	16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	199.28 1.76 5.60 9.80	4.97
08 71	23 00-1221	EA	16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.41 1.76 5.60 9.80	5.26
08 71	23 00-1222	EA	16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.38 1.76 5.60 9.80	5.26
08 71	23 00-1223	EA	16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	230.34 1.76 5.60 9.80	5.26
08 71	23 00-1224	EA	16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	241.48 1.76 5.60 9.80	5.55
08 71	23 00-1225	EA	16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	251.44 1.76 5.60 9.80	5.55
08 71	23 00-1226	EA	16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	261.41 1.76 5.60 9.80	5.55
08 71	23 00-1227	EA	18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.68 6.30 5.60 9.80	4.67
08 71	23 00-1228	EA	18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.87 6.30 5.60 9.80	4.67
08 71	23 00-1229	EA	18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.04 6.30 5.60 9.80	4.67
08 71	23 00-1230	EA	18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.23 6.30 5.60 9.80	4.67
08 71	23 00-1231	EA	18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	187.57 6.30 5.60 9.80	4.97



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-1232	EA	18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.75 6.30 5.60 9.80	4.97
08 71	23 00-1233	EA	18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.93 6.30 5.60 9.80	4.97
08 71	23 00-1234	EA	18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.11 6.30 5.60 9.80	4.97
08 71	23 00-1235	EA	18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.44 6.30 5.60 9.80	5.26
08 71	23 00-1236	EA	18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	244.64 6.30 5.60 9.80	5.26
08 71	23 00-1237	EA	18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	255.83 6.30 5.60 9.80	5.26
08 71	23 00-1238	EA	18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	268.16 6.30 5.60 9.80	5.55
08 71	23 00-1239	EA	18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	279.36 6.30 5.60 9.80	5.55
08 71	23 00-1240	EA	18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	290.52 6.30 5.60 9.80	5.55
08 71	23 00-1241	EA	20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.50 6.30 5.60 9.80	4.97
08 71	23 00-1242	EA	20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.95 6.30 5.60 9.80	4.97
08 71	23 00-1243	EA	20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	181.35 6.30 5.60 9.80	4.97
08 71	23 00-1244	EA	20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.79 6.30 5.60 9.80	4.97
08 71	23 00-1245	EA	20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	207.37 6.30 5.60 9.80	5.26
08 71	23 00-1246	EA	20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	219.79 6.30 5.60 9.80	5.26
08 71	23 00-1247	EA	20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	232.22 6.30 5.60 9.80	5.26
08 71	23 00-1248	EA	20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	244.64 6.30 5.60 9.80	5.26
08 71	23 00-1249	EA	20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	258.25 6.30 5.60 9.80	5.55
08 71	23 00-1250	EA	20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	270.65 6.30 5.60 9.80	5.55
08 71	23 00-1251	EA	20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	283.07 6.30 5.60 9.80	5.55
08 71	23 00-1252	EA	20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	296.67 6.30 5.60 9.80	5.84

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-1253	EA	20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	309.09 6.30 5.60 9.80	5.84
08 71	23 00-1254	EA	20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	321.52 6.30 5.60 9.80	5.84
08 71	23 00-1255	EA	22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	170.17 6.30 5.60 9.80	4.97
08 71	23 00-1256	EA	22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.85 6.30 5.60 9.80	4.97
08 71	23 00-1257	EA	22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	197.51 6.30 5.60 9.80	4.97
08 71	23 00-1258	EA	22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	211.16 6.30 5.60 9.80	4.97
08 71	23 00-1259	EA	22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	226.01 6.30 5.60 9.80	5.26
08 71	23 00-1260	EA	22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	239.67 6.30 5.60 9.80	5.26
08 71	23 00-1261	EA	22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	253.34 6.30 5.60 9.80	5.26
08 71	23 00-1262	EA	22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	266.99 6.30 5.60 9.80	5.26
08 71	23 00-1263	EA	22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	281.84 6.30 5.60 9.80	5.55
08 71	23 00-1264	EA	22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	295.50 6.30 5.60 9.80	5.55
08 71	23 00-1265	EA	22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	309.17 6.30 5.60 9.80	5.55
08 71	23 00-1266	EA	22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	324.00 6.30 5.60 9.80	5.84
08 71	23 00-1267	EA	22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	337.65 6.30 5.60 9.80	5.84
08 71	23 00-1268	EA	22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	351.33 6.30 5.60 9.80	5.84
08 71	23 00-1269	EA	24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.85 6.30 5.60 9.80	4.97
08 71	23 00-1270	EA	24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.75 6.30 5.60 9.80	4.97
08 71	23 00-1271	EA	24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	213.65 6.30 5.60 9.80	4.97
08 71	23 00-1272	EA	24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	228.56 6.30 5.60 9.80	4.97
08 71	23 00-1273	EA	24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	244.64 6.30 5.60 9.80	5.26



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1274	EA		24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	259.54 6.30 5.60 9.80	5.26
08 71 23 00-1275	EA		24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	274.47 6.30 5.60 9.80	5.26
08 71 23 00-1276	EA		24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	289.35 6.30 5.60 9.80	5.26
08 71 23 00-1277	EA		24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	305.43 6.30 5.60 9.80	5.55
08 71 23 00-1278	EA		24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	320.35 6.30 5.60 9.80	5.55
08 71 23 00-1279	EA		24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	335.26 6.30 5.60 9.80	5.55
08 71 23 00-1280	EA		24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	351.33 6.30 5.60 9.80	5.84
08 71 23 00-1281	EA		24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	366.24 6.30 5.60 9.80	5.84
08 71 23 00-1282	EA		24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	381.14 6.30 5.60 9.80	5.84
08 71 23 00-1283			Satin Nickel Finish, Brass Kick Plate (08 71 23 00-0901)		
08 71 23 00-1284	EA		8" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.38 1.76 5.60 9.80	4.38
08 71 23 00-1285	EA		8" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.17 1.76 5.60 9.80	4.38
08 71 23 00-1286	EA		8" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.99 1.76 5.60 9.80	4.38
08 71 23 00-1287	EA		8" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.77 1.76 5.60 9.80	4.38
08 71 23 00-1288	EA		8" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.75 1.76 5.60 9.80	4.67
08 71 23 00-1289	EA		8" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.55 1.76 5.60 9.80	4.67
08 71 23 00-1290	EA		8" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.36 1.76 5.60 9.80	4.67
08 71 23 00-1291	EA		8" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.16 1.76 5.60 9.80	4.67
08 71 23 00-1292	EA		8" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.11 1.76 5.60 9.80	4.97
08 71 23 00-1293	EA		8" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.93 1.76 5.60 9.80	4.97
08 71 23 00-1294	EA		8" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.73 1.76 5.60 9.80	4.97

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1295	EA		8" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	104.71	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1296	EA		8" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	108.51	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1297	EA		8" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	112.32	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1298	EA		10" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	69.83	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1299	EA		10" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	74.59	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1300	EA		10" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	79.34	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1301	EA		10" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	84.09	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1302	EA		10" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	90.00	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1303	EA		10" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	94.76	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1304	EA		10" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	99.51	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1305	EA		10" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	104.26	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1306	EA		10" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	110.19	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1307	EA		10" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	114.95	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1308	EA		10" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	119.69	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1309	EA		10" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	125.63	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1310	EA		10" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	130.37	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1311	EA		10" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	135.13	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1312	EA		12" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	80.29	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1313	EA		12" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	86.00	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1314	EA		12" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	91.69	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1315	EA		12" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	97.40	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-1316	EA	12" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.26 1.76 5.60 9.80	4.67
08 71	23 00-1317	EA	12" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.98 1.76 5.60 9.80	4.67
08 71	23 00-1318	EA	12" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.69 1.76 5.60 9.80	4.67
08 71	23 00-1319	EA	12" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.38 1.76 5.60 9.80	4.67
08 71	23 00-1320	EA	12" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.26 1.76 5.60 9.80	4.97
08 71	23 00-1321	EA	12" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.96 1.76 5.60 9.80	4.97
08 71	23 00-1322	EA	12" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.65 1.76 5.60 9.80	4.97
08 71	23 00-1323	EA	12" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.53 1.76 5.60 9.80	5.26
08 71	23 00-1324	EA	12" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.25 1.76 5.60 9.80	5.26
08 71	23 00-1325	EA	12" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.94 1.76 5.60 9.80	5.26
08 71	23 00-1326	EA	14" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.90 1.76 5.60 9.80	4.67
08 71	23 00-1327	EA	14" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.56 1.76 5.60 9.80	4.67
08 71	23 00-1328	EA	14" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.21 1.76 5.60 9.80	4.67
08 71	23 00-1329	EA	14" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.86 1.76 5.60 9.80	4.67
08 71	23 00-1330	EA	14" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.69 1.76 5.60 9.80	4.97
08 71	23 00-1331	EA	14" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.35 1.76 5.60 9.80	4.97
08 71	23 00-1332	EA	14" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.00 1.76 5.60 9.80	4.97
08 71	23 00-1333	EA	14" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.65 1.76 5.60 9.80	4.97
08 71	23 00-1334	EA	14" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.48 1.76 5.60 9.80	5.26
08 71	23 00-1335	EA	14" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.14 1.76 5.60 9.80	5.26
08 71	23 00-1336	EA	14" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.79 1.76 5.60 9.80	5.26

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1337	EA		14" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.62 1.76 5.60 9.80	5.55
08 71 23 00-1338	EA		14" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.29 1.76 5.60 9.80	5.55
08 71 23 00-1339	EA		14" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	181.95 1.76 5.60 9.80	5.55
08 71 23 00-1340	EA		16" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.33 1.76 5.60 9.80	4.67
08 71 23 00-1341	EA		16" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.30 1.76 5.60 9.80	4.67
08 71 23 00-1342	EA		16" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.27 1.76 5.60 9.80	4.67
08 71 23 00-1343	EA		16" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.23 1.76 5.60 9.80	4.67
08 71 23 00-1344	EA		16" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.37 1.76 5.60 9.80	4.97
08 71 23 00-1345	EA		16" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.33 1.76 5.60 9.80	4.97
08 71 23 00-1346	EA		16" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	189.31 1.76 5.60 9.80	4.97
08 71 23 00-1347	EA		16" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	199.28 1.76 5.60 9.80	4.97
08 71 23 00-1348	EA		16" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.41 1.76 5.60 9.80	5.26
08 71 23 00-1349	EA		16" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.38 1.76 5.60 9.80	5.26
08 71 23 00-1350	EA		16" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	230.34 1.76 5.60 9.80	5.26
08 71 23 00-1351	EA		16" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	241.48 1.76 5.60 9.80	5.55
08 71 23 00-1352	EA		16" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	251.44 1.76 5.60 9.80	5.55
08 71 23 00-1353	EA		16" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	261.41 1.76 5.60 9.80	5.55
08 71 23 00-1354	EA		18" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.68 6.30 5.60 9.80	4.67
08 71 23 00-1355	EA		18" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.87 6.30 5.60 9.80	4.67
08 71 23 00-1356	EA		18" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.04 6.30 5.60 9.80	4.67
08 71 23 00-1357	EA		18" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.23 6.30 5.60 9.80	4.67



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1358	EA	18" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	187.57 6.30 5.60 9.80	4.97
08 71 23 00-1359	EA	18" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.75 6.30 5.60 9.80	4.97
08 71 23 00-1360	EA	18" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.93 6.30 5.60 9.80	4.97
08 71 23 00-1361	EA	18" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.11 6.30 5.60 9.80	4.97
08 71 23 00-1362	EA	18" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.44 6.30 5.60 9.80	5.26
08 71 23 00-1363	EA	18" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	244.64 6.30 5.60 9.80	5.26
08 71 23 00-1364	EA	18" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	255.83 6.30 5.60 9.80	5.26
08 71 23 00-1365	EA	18" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	268.16 6.30 5.60 9.80	5.55
08 71 23 00-1366	EA	18" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	279.36 6.30 5.60 9.80	5.55
08 71 23 00-1367	EA	18" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	290.52 6.30 5.60 9.80	5.55
08 71 23 00-1368	EA	20" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.50 6.30 5.60 9.80	4.97
08 71 23 00-1369	EA	20" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.95 6.30 5.60 9.80	4.97
08 71 23 00-1370	EA	20" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	181.35 6.30 5.60 9.80	4.97
08 71 23 00-1371	EA	20" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.79 6.30 5.60 9.80	4.97
08 71 23 00-1372	EA	20" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	207.37 6.30 5.60 9.80	5.26
08 71 23 00-1373	EA	20" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	219.79 6.30 5.60 9.80	5.26
08 71 23 00-1374	EA	20" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	232.22 6.30 5.60 9.80	5.26
08 71 23 00-1375	EA	20" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	244.64 6.30 5.60 9.80	5.26
08 71 23 00-1376	EA	20" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	258.25 6.30 5.60 9.80	5.55
08 71 23 00-1377	EA	20" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	270.65 6.30 5.60 9.80	5.55
08 71 23 00-1378	EA	20" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	283.07 6.30 5.60 9.80	5.55

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1379	EA		20" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	296.67 6.30 5.60 9.80	5.84
08 71 23 00-1380	EA		20" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	309.09 6.30 5.60 9.80	5.84
08 71 23 00-1381	EA		20" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	321.52 6.30 5.60 9.80	5.84
08 71 23 00-1382	EA		22" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	170.17 6.30 5.60 9.80	4.97
08 71 23 00-1383	EA		22" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.85 6.30 5.60 9.80	4.97
08 71 23 00-1384	EA		22" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	197.51 6.30 5.60 9.80	4.97
08 71 23 00-1385	EA		22" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	211.16 6.30 5.60 9.80	4.97
08 71 23 00-1386	EA		22" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	226.01 6.30 5.60 9.80	5.26
08 71 23 00-1387	EA		22" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	239.67 6.30 5.60 9.80	5.26
08 71 23 00-1388	EA		22" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	253.34 6.30 5.60 9.80	5.26
08 71 23 00-1389	EA		22" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	266.99 6.30 5.60 9.80	5.26
08 71 23 00-1390	EA		22" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	281.84 6.30 5.60 9.80	5.55
08 71 23 00-1391	EA		22" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	295.50 6.30 5.60 9.80	5.55
08 71 23 00-1392	EA		22" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	309.17 6.30 5.60 9.80	5.55
08 71 23 00-1393	EA		22" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	324.00 6.30 5.60 9.80	5.84
08 71 23 00-1394	EA		22" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	337.65 6.30 5.60 9.80	5.84
08 71 23 00-1395	EA		22" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	351.33 6.30 5.60 9.80	5.84
08 71 23 00-1396	EA		24" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.85 6.30 5.60 9.80	4.97
08 71 23 00-1397	EA		24" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.75 6.30 5.60 9.80	4.97
08 71 23 00-1398	EA		24" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	213.65 6.30 5.60 9.80	4.97
08 71 23 00-1399	EA		24" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	228.56 6.30 5.60 9.80	4.97



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1400 EA 24" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	244.64 6.30 5.60 9.80	5.26
08 71 23 00-1401 EA 24" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	259.54 6.30 5.60 9.80	5.26
08 71 23 00-1402 EA 24" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	274.47 6.30 5.60 9.80	5.26
08 71 23 00-1403 EA 24" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	289.35 6.30 5.60 9.80	5.26
08 71 23 00-1404 EA 24" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	305.43 6.30 5.60 9.80	5.55
08 71 23 00-1405 EA 24" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	320.35 6.30 5.60 9.80	5.55
08 71 23 00-1406 EA 24" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	335.26 6.30 5.60 9.80	5.55
08 71 23 00-1407 EA 24" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	351.33 6.30 5.60 9.80	5.84
08 71 23 00-1408 EA 24" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	366.24 6.30 5.60 9.80	5.84
08 71 23 00-1409 EA 24" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	381.14 6.30 5.60 9.80	5.84
08 71 23 00-1410 Stainless Base Material Kick Plate (08 71 23 00-0772)		
08 71 23 00-1411 Satin Stainless Finish, Stainless Kick Plate (08 71 23 00-1410)		
08 71 23 00-1412 EA 8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	30.59 1.76 5.60 9.80	4.38
08 71 23 00-1413 EA 8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	31.80 1.76 5.60 9.80	4.38
08 71 23 00-1414 EA 8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	32.97 1.76 5.60 9.80	4.38
08 71 23 00-1415 EA 8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	34.18 1.76 5.60 9.80	4.38
08 71 23 00-1416 EA 8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	36.52 1.76 5.60 9.80	4.67
08 71 23 00-1417 EA 8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	37.69 1.76 5.60 9.80	4.67
08 71 23 00-1418 EA 8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.90 1.76 5.60 9.80	4.67
08 71 23 00-1419 EA 8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.08 1.76 5.60 9.80	4.67
08 71 23 00-1420 EA 8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.44 1.76 5.60 9.80	4.97
08 71 23 00-1421 EA 8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.63 1.76 5.60 9.80	4.97

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1422	EA		8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	44.81	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1423	EA		8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	47.17	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1424	EA		8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	48.36	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1425	EA		8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	49.54	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1426	EA		10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	33.86	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1427	EA		10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	35.36	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1428	EA		10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	36.85	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1429	EA		10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	38.32	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1430	EA		10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	40.98	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1431	EA		10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	42.46	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1432	EA		10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	43.94	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1433	EA		10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	45.41	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1434	EA		10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	48.09	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1435	EA		10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	49.56	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1436	EA		10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	51.04	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1437	EA		10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	53.71	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1438	EA		10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	55.19	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1439	EA		10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	56.67	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1440	EA		12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	37.14	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1441	EA		12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	38.92	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1442	EA		12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	40.70	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1443	EA	12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.48 1.76 5.60 9.80	4.38
08 71 23 00-1444	EA	12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.41 1.76 5.60 9.80	4.67
08 71 23 00-1445	EA	12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.20 1.76 5.60 9.80	4.67
08 71 23 00-1446	EA	12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.97 1.76 5.60 9.80	4.67
08 71 23 00-1447	EA	12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.77 1.76 5.60 9.80	4.67
08 71 23 00-1448	EA	12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.70 1.76 5.60 9.80	4.97
08 71 23 00-1449	EA	12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.50 1.76 5.60 9.80	4.97
08 71 23 00-1450	EA	12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.29 1.76 5.60 9.80	4.97
08 71 23 00-1451	EA	12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.23 1.76 5.60 9.80	5.26
08 71 23 00-1452	EA	12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.02 1.76 5.60 9.80	5.26
08 71 23 00-1453	EA	12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.79 1.76 5.60 9.80	5.26
08 71 23 00-1454	EA	14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.57 1.76 5.60 9.80	4.67
08 71 23 00-1455	EA	14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.64 1.76 5.60 9.80	4.67
08 71 23 00-1456	EA	14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.73 1.76 5.60 9.80	4.67
08 71 23 00-1457	EA	14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.81 1.76 5.60 9.80	4.67
08 71 23 00-1458	EA	14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.04 1.76 5.60 9.80	4.97
08 71 23 00-1459	EA	14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.13 1.76 5.60 9.80	4.97
08 71 23 00-1460	EA	14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.20 1.76 5.60 9.80	4.97
08 71 23 00-1461	EA	14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.29 1.76 5.60 9.80	4.97
08 71 23 00-1462	EA	14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.55 1.76 5.60 9.80	5.26
08 71 23 00-1463	EA	14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.60 1.76 5.60 9.80	5.26

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1464	EA		14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	64.69	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1465	EA		14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	67.94	5.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1466	EA		14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	70.02	5.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1467	EA		14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	72.11	5.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1468	EA		16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	46.54	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1469	EA		16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	49.20	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1470	EA		16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	51.74	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1471	EA		16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	54.28	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1472	EA		16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	57.99	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1473	EA		16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	60.53	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1474	EA		16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	63.08	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1475	EA		16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	65.61	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1476	EA		16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	69.32	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1477	EA		16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	71.88	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1478	EA		16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	74.43	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1479	EA		16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	78.34	5.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1480	EA		16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	80.67	5.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1481	EA		16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	83.22	5.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1482	EA		18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	49.44	4.67
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1483	EA		18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	52.25	4.67
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1484	EA		18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	55.03	4.67
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1485	EA	18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.83 6.30 5.60 9.80	4.67
08 71 23 00-1486	EA	18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.81 6.30 5.60 9.80	4.97
08 71 23 00-1487	EA	18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.59 6.30 5.60 9.80	4.97
08 71 23 00-1488	EA	18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.38 6.30 5.60 9.80	4.97
08 71 23 00-1489	EA	18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.17 6.30 5.60 9.80	4.97
08 71 23 00-1490	EA	18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.14 6.30 5.60 9.80	5.26
08 71 23 00-1491	EA	18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.94 6.30 5.60 9.80	5.26
08 71 23 00-1492	EA	18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.72 6.30 5.60 9.80	5.26
08 71 23 00-1493	EA	18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.70 6.30 5.60 9.80	5.55
08 71 23 00-1494	EA	18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.51 6.30 5.60 9.80	5.55
08 71 23 00-1495	EA	18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.29 6.30 5.60 9.80	5.55
08 71 23 00-1496	EA	20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.03 6.30 5.60 9.80	4.97
08 71 23 00-1497	EA	20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.14 6.30 5.60 9.80	4.97
08 71 23 00-1498	EA	20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.25 6.30 5.60 9.80	4.97
08 71 23 00-1499	EA	20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.34 6.30 5.60 9.80	4.97
08 71 23 00-1500	EA	20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.62 6.30 5.60 9.80	5.26
08 71 23 00-1501	EA	20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.74 6.30 5.60 9.80	5.26
08 71 23 00-1502	EA	20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.83 6.30 5.60 9.80	5.26
08 71 23 00-1503	EA	20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.94 6.30 5.60 9.80	5.26
08 71 23 00-1504	EA	20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.21 6.30 5.60 9.80	5.55
08 71 23 00-1505	EA	20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.32 6.30 5.60 9.80	5.55

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1506	EA		20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.44 6.30 5.60 9.80	5.55
08 71 23 00-1507	EA		20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.70 6.30 5.60 9.80	5.84
08 71 23 00-1508	EA		20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.81 6.30 5.60 9.80	5.84
08 71 23 00-1509	EA		20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.91 6.30 5.60 9.80	5.84
08 71 23 00-1510	EA		22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.44 6.30 5.60 9.80	4.97
08 71 23 00-1511	EA		22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.87 6.30 5.60 9.80	4.97
08 71 23 00-1512	EA		22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.27 6.30 5.60 9.80	4.97
08 71 23 00-1513	EA		22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.70 6.30 5.60 9.80	4.97
08 71 23 00-1514	EA		22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.27 6.30 5.60 9.80	5.26
08 71 23 00-1515	EA		22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.70 6.30 5.60 9.80	5.26
08 71 23 00-1516	EA		22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.11 6.30 5.60 9.80	5.26
08 71 23 00-1517	EA		22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.53 6.30 5.60 9.80	5.26
08 71 23 00-1518	EA		22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.11 6.30 5.60 9.80	5.55
08 71 23 00-1519	EA		22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.53 6.30 5.60 9.80	5.55
08 71 23 00-1520	EA		22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.96 6.30 5.60 9.80	5.55
08 71 23 00-1521	EA		22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.52 6.30 5.60 9.80	5.84
08 71 23 00-1522	EA		22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.96 6.30 5.60 9.80	5.84
08 71 23 00-1523	EA		22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.35 6.30 5.60 9.80	5.84
08 71 23 00-1524	EA		24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.87 6.30 5.60 9.80	4.97
08 71 23 00-1525	EA		24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.59 6.30 5.60 9.80	4.97
08 71 23 00-1526	EA		24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.33 6.30 5.60 9.80	4.97



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1527 EA 24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.04 6.30 5.60 9.80	4.97
08 71 23 00-1528 EA 24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.94 6.30 5.60 9.80	5.26
08 71 23 00-1529 EA 24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.67 6.30 5.60 9.80	5.26
08 71 23 00-1530 EA 24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.39 6.30 5.60 9.80	5.26
08 71 23 00-1531 EA 24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.12 6.30 5.60 9.80	5.26
08 71 23 00-1532 EA 24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.02 6.30 5.60 9.80	5.55
08 71 23 00-1533 EA 24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.74 6.30 5.60 9.80	5.55
08 71 23 00-1534 EA 24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.47 6.30 5.60 9.80	5.55
08 71 23 00-1535 EA 24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.35 6.30 5.60 9.80	5.84
08 71 23 00-1536 EA 24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.09 6.30 5.60 9.80	5.84
08 71 23 00-1537 EA 24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.83 6.30 5.60 9.80	5.84
08 71 23 00-1538 Bright Stainless Finish, Stainless Kick Plate <small>(08 71 23 00-1410)</small>		
08 71 23 00-1539 EA 8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.62 1.76 5.60 9.80	4.38
08 71 23 00-1540 EA 8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.37 1.76 5.60 9.80	4.38
08 71 23 00-1541 EA 8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.10 1.76 5.60 9.80	4.38
08 71 23 00-1542 EA 8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.83 1.76 5.60 9.80	4.38
08 71 23 00-1543 EA 8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.72 1.76 5.60 9.80	4.67
08 71 23 00-1544 EA 8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.46 1.76 5.60 9.80	4.67
08 71 23 00-1545 EA 8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.19 1.76 5.60 9.80	4.67
08 71 23 00-1546 EA 8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.94 1.76 5.60 9.80	4.67
08 71 23 00-1547 EA 8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.82 1.76 5.60 9.80	4.97

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-1548	EA	8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	74.57	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1549	EA	8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	77.31	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1550	EA	8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	81.21	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1551	EA	8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	83.94	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1552	EA	8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	86.67	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1553	EA	10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	55.15	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1554	EA	10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	58.56	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1555	EA	10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	61.99	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1556	EA	10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	65.41	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1557	EA	10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	69.98	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1558	EA	10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	73.40	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1559	EA	10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	76.83	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1560	EA	10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	80.25	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1561	EA	10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	84.83	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1562	EA	10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	88.25	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1563	EA	10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	91.68	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1564	EA	10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	96.24	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1565	EA	10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	99.68	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1566	EA	10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	103.10	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1567	EA	12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	62.66	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1568	EA	12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	66.78	4.38
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1569	EA	12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.88 1.76 5.60 9.80	4.38
08 71 23 00-1570	EA	12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.98 1.76 5.60 9.80	4.38
08 71 23 00-1571	EA	12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.25 1.76 5.60 9.80	4.67
08 71 23 00-1572	EA	12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.33 1.76 5.60 9.80	4.67
08 71 23 00-1573	EA	12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.44 1.76 5.60 9.80	4.67
08 71 23 00-1574	EA	12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.55 1.76 5.60 9.80	4.67
08 71 23 00-1575	EA	12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.82 1.76 5.60 9.80	4.97
08 71 23 00-1576	EA	12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.93 1.76 5.60 9.80	4.97
08 71 23 00-1577	EA	12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.02 1.76 5.60 9.80	4.97
08 71 23 00-1578	EA	12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.30 1.76 5.60 9.80	5.26
08 71 23 00-1579	EA	12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.40 1.76 5.60 9.80	5.26
08 71 23 00-1580	EA	12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.50 1.76 5.60 9.80	5.26
08 71 23 00-1581	EA	14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.36 1.76 5.60 9.80	4.67
08 71 23 00-1582	EA	14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.14 1.76 5.60 9.80	4.67
08 71 23 00-1583	EA	14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.93 1.76 5.60 9.80	4.67
08 71 23 00-1584	EA	14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.72 1.76 5.60 9.80	4.67
08 71 23 00-1585	EA	14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.68 1.76 5.60 9.80	4.97
08 71 23 00-1586	EA	14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.45 1.76 5.60 9.80	4.97
08 71 23 00-1587	EA	14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.24 1.76 5.60 9.80	4.97
08 71 23 00-1588	EA	14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.02 1.76 5.60 9.80	4.97
08 71 23 00-1589	EA	14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.99 1.76 5.60 9.80	5.26

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1590	EA		14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	116.78	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1591	EA		14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	121.56	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1592	EA		14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	127.52	5.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1593	EA		14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	132.29	5.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1594	EA		14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	137.07	5.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1595	EA		16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	78.87	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1596	EA		16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	84.33	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1597	EA		16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	89.82	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1598	EA		16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	95.28	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1599	EA		16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	101.93	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1600	EA		16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	107.40	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1601	EA		16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	112.86	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1602	EA		16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	118.33	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1603	EA		16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	124.97	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1604	EA		16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	130.43	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1605	EA		16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	135.90	5.26
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1606	EA		16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	142.55	5.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1607	EA		16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	148.03	5.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1608	EA		16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	153.50	5.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1609	EA		18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	87.19	4.67
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1610	EA		18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	93.44	4.67
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1611	EA	18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.65 6.30 5.60 9.80	4.67
08 71 23 00-1612	EA	18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.90 6.30 5.60 9.80	4.67
08 71 23 00-1613	EA	18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.29 6.30 5.60 9.80	4.97
08 71 23 00-1614	EA	18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.50 6.30 5.60 9.80	4.97
08 71 23 00-1615	EA	18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.75 6.30 5.60 9.80	4.97
08 71 23 00-1616	EA	18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.51 6.30 5.60 9.80	4.97
08 71 23 00-1617	EA	18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.37 6.30 5.60 9.80	5.26
08 71 23 00-1618	EA	18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.60 6.30 5.60 9.80	5.26
08 71 23 00-1619	EA	18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.82 6.30 5.60 9.80	5.26
08 71 23 00-1620	EA	18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.22 6.30 5.60 9.80	5.55
08 71 23 00-1621	EA	18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.45 6.30 5.60 9.80	5.55
08 71 23 00-1622	EA	18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.67 6.30 5.60 9.80	5.55
08 71 23 00-1623	EA	20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.99 6.30 5.60 9.80	4.97
08 71 23 00-1624	EA	20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.90 6.30 5.60 9.80	4.97
08 71 23 00-1625	EA	20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.83 6.30 5.60 9.80	4.97
08 71 23 00-1626	EA	20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.74 6.30 5.60 9.80	4.97
08 71 23 00-1627	EA	20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.83 6.30 5.60 9.80	5.26
08 71 23 00-1628	EA	20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.76 6.30 5.60 9.80	5.26
08 71 23 00-1629	EA	20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.66 6.30 5.60 9.80	5.26
08 71 23 00-1630	EA	20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.60 6.30 5.60 9.80	5.26
08 71 23 00-1631	EA	20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.67 6.30 5.60 9.80	5.55

08 Openings**08 70 Hardware**

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-1632	EA	20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	160.60	5.55
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1633	EA	20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	167.52	5.55
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1634	EA	20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	175.60	5.84
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1635	EA	20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	182.53	5.84
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1636	EA	20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	189.44	5.84
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1637	EA	22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	103.60	4.97
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1638	EA	22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	111.21	4.97
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1639	EA	22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	118.81	4.97
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1640	EA	22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	126.42	4.97
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1641	EA	22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	135.21	5.26
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1642	EA	22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	142.83	5.26
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1643	EA	22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	150.44	5.26
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1644	EA	22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	158.05	5.26
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1645	EA	22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	166.83	5.55
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1646	EA	22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	174.43	5.55
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1647	EA	22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	182.04	5.55
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1648	EA	22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	190.82	5.84
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1649	EA	22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	198.45	5.84
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1650	EA	22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	206.05	5.84
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1651	EA	24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	111.21	4.97
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71	23 00-1652	EA	24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	119.50	4.97
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1653	EA			24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.81 6.30 5.60 9.80	4.97
08 71 23 00-1654	EA			24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.11 6.30 5.60 9.80	4.97
08 71 23 00-1655	EA			24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.60 6.30 5.60 9.80	5.26
08 71 23 00-1656	EA			24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.89 6.30 5.60 9.80	5.26
08 71 23 00-1657	EA			24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	162.19 6.30 5.60 9.80	5.26
08 71 23 00-1658	EA			24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	170.50 6.30 5.60 9.80	5.26
08 71 23 00-1659	EA			24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.98 6.30 5.60 9.80	5.55
08 71 23 00-1660	EA			24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.27 6.30 5.60 9.80	5.55
08 71 23 00-1661	EA			24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	196.58 6.30 5.60 9.80	5.55
08 71 23 00-1662	EA			24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	206.05 6.30 5.60 9.80	5.84
08 71 23 00-1663	EA			24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	214.37 6.30 5.60 9.80	5.84
08 71 23 00-1664	EA			24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	222.66 6.30 5.60 9.80	5.84
08 71 23 00-1665				Plastic Kick Plate (08 71 23 00-0772)		
08 71 23 00-1666				Clear Or Black Finish, Plastic Kick Plate (08 71 23 00-1665) Note: With four beveled edges.		
08 71 23 00-1667	EA			8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	27.05	4.38
08 71 23 00-1668	EA			8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	27.90	4.38
08 71 23 00-1669	EA			8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	28.79	4.38
08 71 23 00-1670	EA			8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	29.65	4.38
08 71 23 00-1671	EA			8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	31.68	4.67
08 71 23 00-1672	EA			8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	32.54	4.67
08 71 23 00-1673	EA			8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	33.39	4.67
08 71 23 00-1674	EA			8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	34.27	4.67
08 71 23 00-1675	EA			8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	37.35	4.97
08 71 23 00-1676	EA			8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	37.15	4.97
08 71 23 00-1677	EA			8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	38.03	4.97
08 71 23 00-1678	EA			8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	40.07	5.26
08 71 23 00-1679	EA			8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	40.94	5.26
08 71 23 00-1680	EA			8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	41.80	5.26
08 71 23 00-1681	EA			10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	29.43	4.38
08 71 23 00-1682	EA			10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	30.52	4.38
08 71 23 00-1683	EA			10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	31.59	4.38
08 71 23 00-1684	EA			10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	32.66	4.38
08 71 23 00-1685	EA			10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	34.91	4.67
08 71 23 00-1686	EA			10" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	35.98	4.67
08 71 23 00-1687	EA			10" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	37.08	4.67
08 71 23 00-1688	EA			10" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	38.15	4.67
08 71 23 00-1689	EA			10" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	40.41	4.97
08 71 23 00-1690	EA			10" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	41.48	4.97
08 71 23 00-1691	EA			10" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	42.57	4.97
08 71 23 00-1692	EA			10" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	44.81	5.26
08 71 23 00-1693	EA			10" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	45.90	5.26
08 71 23 00-1694	EA			10" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	46.98	5.26
08 71 23 00-1695	EA			12" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	31.81	4.38
08 71 23 00-1696	EA			12" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	33.11	4.38



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1778	EA		22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	88.96	5.84
08 71 23 00-1779	EA		24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	52.66	4.97
08 71 23 00-1780	EA		24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	55.64	4.97
08 71 23 00-1781	EA		24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	58.64	4.97
08 71 23 00-1782	EA		24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	61.62	4.97
08 71 23 00-1783	EA		24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	65.77	5.26
08 71 23 00-1784	EA		24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	68.74	5.26
08 71 23 00-1785	EA		24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	71.72	5.26
08 71 23 00-1786	EA		24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	74.72	5.26
08 71 23 00-1787	EA		24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	78.87	5.55
08 71 23 00-1788	EA		24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	81.84	5.55
08 71 23 00-1789	EA		24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	84.82	5.55
08 71 23 00-1790	EA		24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	88.96	5.84
08 71 23 00-1791	EA		24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	91.97	5.84
08 71 23 00-1792	EA		24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	94.95	5.84
08 71 23 00-1793			Mop Plate (08 71 23 00-0771) Note: Ives 8400.		
08 71 23 00-1794			Aluminum Base Material Mop Plate (08 71 23 00-1793)		
08 71 23 00-1795			Satin Aluminum Finish, Aluminum Mop Plate (08 71 23 00-1794)		
08 71 23 00-1796	EA		4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	23.77	4.27
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1797	EA		4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	24.39	4.27
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1798	EA		4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	25.00	4.27
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1799	EA		4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	25.62	4.27
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1800	EA		4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	26.96	4.44
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1801	EA		4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	27.56	4.44
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1802	EA		4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	28.18	4.44
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1803	EA		4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	28.78	4.44
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1804	EA		4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	30.40	4.67
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1805	EA		4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	31.01	4.67
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1806	EA		4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	31.63	4.67
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1807	EA		4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	33.41	4.97
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1808	EA		4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	34.03	4.97
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1809	EA		4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	34.63	4.97
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1810	EA		6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	27.15	4.27
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1811	EA		6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	28.07 1.76 5.60 9.80	4.27
08 71 23 00-1812	EA		6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	29.01 1.76 5.60 9.80	4.27
08 71 23 00-1813	EA		6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	29.93 1.76 5.60 9.80	4.27
08 71 23 00-1814	EA		6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	31.57 1.76 5.60 9.80	4.44
08 71 23 00-1815	EA		6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	32.47 1.76 5.60 9.80	4.44
08 71 23 00-1816	EA		6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	33.42 1.76 5.60 9.80	4.44
08 71 23 00-1817	EA		6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	34.33 1.76 5.60 9.80	4.44
08 71 23 00-1818	EA		6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	36.25 1.76 5.60 9.80	4.67
08 71 23 00-1819	EA		6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	37.17 1.76 5.60 9.80	4.67
08 71 23 00-1820	EA		6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.10 1.76 5.60 9.80	4.67
08 71 23 00-1821	EA		6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.19 1.76 5.60 9.80	4.97
08 71 23 00-1822	EA		6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.12 1.76 5.60 9.80	4.97
08 71 23 00-1823	EA		6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.03 1.76 5.60 9.80	4.97
08 71 23 00-1824			Brass Base Material Mop Plate (08 71 23 00-1793)		
08 71 23 00-1825			Bright/Satin Brass Finish, Brass Mop Plate (08 71 23 00-1824)		
08 71 23 00-1826	EA		4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	36.77 1.76 5.60 9.80	4.27
08 71 23 00-1827	EA		4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.58 1.76 5.60 9.80	4.27
08 71 23 00-1828	EA		4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.37 1.76 5.60 9.80	4.27
08 71 23 00-1829	EA		4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.18 1.76 5.60 9.80	4.27
08 71 23 00-1830	EA		4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.68 1.76 5.60 9.80	4.44
08 71 23 00-1831	EA		4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.47 1.76 5.60 9.80	4.44
08 71 23 00-1832	EA		4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.28 1.76 5.60 9.80	4.44



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1833 EA 4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.07 1.76 5.60 9.80	4.44
08 71 23 00-1834 EA 4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.86 1.76 5.60 9.80	4.67
08 71 23 00-1835 EA 4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.66 1.76 5.60 9.80	4.67
08 71 23 00-1836 EA 4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.45 1.76 5.60 9.80	4.67
08 71 23 00-1837 EA 4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.42 1.76 5.60 9.80	4.97
08 71 23 00-1838 EA 4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.22 1.76 5.60 9.80	4.97
08 71 23 00-1839 EA 4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.03 1.76 5.60 9.80	4.97
08 71 23 00-1840 EA 6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.67 1.76 5.60 9.80	4.27
08 71 23 00-1841 EA 6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.36 1.76 5.60 9.80	4.27
08 71 23 00-1842 EA 6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.06 1.76 5.60 9.80	4.27
08 71 23 00-1843 EA 6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.75 1.76 5.60 9.80	4.27
08 71 23 00-1844 EA 6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.16 1.76 5.60 9.80	4.44
08 71 23 00-1845 EA 6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.87 1.76 5.60 9.80	4.44
08 71 23 00-1846 EA 6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.55 1.76 5.60 9.80	4.44
08 71 23 00-1847 EA 6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.26 1.76 5.60 9.80	4.44
08 71 23 00-1848 EA 6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.93 1.76 5.60 9.80	4.67
08 71 23 00-1849 EA 6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.64 1.76 5.60 9.80	4.67
08 71 23 00-1850 EA 6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.34 1.76 5.60 9.80	4.67
08 71 23 00-1851 EA 6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.20 1.76 5.60 9.80	4.97
08 71 23 00-1852 EA 6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.90 1.76 5.60 9.80	4.97
08 71 23 00-1853 EA 6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.59 1.76 5.60 9.80	4.97

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1854			Bright/Satin Chrome Finish, Brass Mop Plate (08 71 23 00-1824)		
08 71 23 00-1855	EA		4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	38.64	4.27
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1856	EA		4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	40.60	4.27
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1857	EA		4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	42.57	4.27
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1858	EA		4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	44.54	4.27
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1859	EA		4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	47.20	4.44
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1860	EA		4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	49.17	4.44
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1861	EA		4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	51.14	4.44
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1862	EA		4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	53.10	4.44
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1863	EA		4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	56.06	4.67
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1864	EA		4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	58.04	4.67
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1865	EA		4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	60.01	4.67
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1866	EA		4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	63.15	4.97
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1867	EA		4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	65.11	4.97
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1868	EA		4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	67.08	4.97
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1869	EA		6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	49.45	4.27
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1870	EA		6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	52.39	4.27
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1871	EA		6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	55.35	4.27
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1872	EA		6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	58.31	4.27
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1873	EA		6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	61.96	4.44
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1874	EA		6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	64.92	4.44
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1875	EA		6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	67.85	4.44
			For Four Beveled Edges, Add	1.76	
			For Counter Sink Holes, Add	5.60	
			For UL Label (Fire Rated), Add	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1876	EA		6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.81 1.76 5.60 9.80	4.44
08 71 23 00-1877	EA		6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.76 1.76 5.60 9.80	4.67
08 71 23 00-1878	EA		6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.70 1.76 5.60 9.80	4.67
08 71 23 00-1879	EA		6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.66 1.76 5.60 9.80	4.67
08 71 23 00-1880	EA		6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.77 1.76 5.60 9.80	4.97
08 71 23 00-1881	EA		6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.73 1.76 5.60 9.80	4.97
08 71 23 00-1882	EA		6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.68 1.76 5.60 9.80	4.97
08 71 23 00-1883			Satin/Dark Bronze Finish, Brass Mop Plate <small>(08 71 23 00-1824)</small>		
08 71 23 00-1884	EA		4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.99 1.76 5.60 9.80	4.27
08 71 23 00-1885	EA		4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.99 1.76 5.60 9.80	4.27
08 71 23 00-1886	EA		4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.99 1.76 5.60 9.80	4.27
08 71 23 00-1887	EA		4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.98 1.76 5.60 9.80	4.27
08 71 23 00-1888	EA		4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.70 1.76 5.60 9.80	4.44
08 71 23 00-1889	EA		4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.70 1.76 5.60 9.80	4.44
08 71 23 00-1890	EA		4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.71 1.76 5.60 9.80	4.44
08 71 23 00-1891	EA		4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.71 1.76 5.60 9.80	4.44
08 71 23 00-1892	EA		4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.69 1.76 5.60 9.80	4.67
08 71 23 00-1893	EA		4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.69 1.76 5.60 9.80	4.67
08 71 23 00-1894	EA		4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.69 1.76 5.60 9.80	4.67
08 71 23 00-1895	EA		4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.87 1.76 5.60 9.80	4.97
08 71 23 00-1896	EA		4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.87 1.76 5.60 9.80	4.97

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1897	EA		4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.86 1.76 5.60 9.80	4.97
08 71 23 00-1898	EA		6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.98 1.76 5.60 9.80	4.27
08 71 23 00-1899	EA		6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.00 1.76 5.60 9.80	4.27
08 71 23 00-1900	EA		6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.00 1.76 5.60 9.80	4.27
08 71 23 00-1901	EA		6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.83 1.76 5.60 9.80	4.27
08 71 23 00-1902	EA		6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.70 1.76 5.60 9.80	4.44
08 71 23 00-1903	EA		6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.70 1.76 5.60 9.80	4.44
08 71 23 00-1904	EA		6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.69 1.76 5.60 9.80	4.44
08 71 23 00-1905	EA		6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.69 1.76 5.60 9.80	4.44
08 71 23 00-1906	EA		6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.70 1.76 5.60 9.80	4.67
08 71 23 00-1907	EA		6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.69 1.76 5.60 9.80	4.67
08 71 23 00-1908	EA		6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.69 1.76 5.60 9.80	4.67
08 71 23 00-1909	EA		6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.85 1.76 5.60 9.80	4.97
08 71 23 00-1910	EA		6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.85 1.76 5.60 9.80	4.97
08 71 23 00-1911	EA		6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.84 1.76 5.60 9.80	4.97
08 71 23 00-1912			Satin Nickel Finish, Brass Mop Plate <small>(08 71 23 00-1824)</small>		
08 71 23 00-1913	EA		4" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.42 1.76 5.60 9.80	4.27
08 71 23 00-1914	EA		4" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.44 1.76 5.60 9.80	4.27
08 71 23 00-1915	EA		4" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.49 1.76 5.60 9.80	4.27
08 71 23 00-1916	EA		4" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.53 1.76 5.60 9.80	4.27
08 71 23 00-1917	EA		4" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.28 1.76 5.60 9.80	4.44



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1918 EA 4" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.31 1.76 5.60 9.80	4.44
08 71 23 00-1919 EA 4" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.35 1.76 5.60 9.80	4.44
08 71 23 00-1920 EA 4" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.39 1.76 5.60 9.80	4.44
08 71 23 00-1921 EA 4" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.43 1.76 5.60 9.80	4.67
08 71 23 00-1922 EA 4" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.46 1.76 5.60 9.80	4.67
08 71 23 00-1923 EA 4" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.48 1.76 5.60 9.80	4.67
08 71 23 00-1924 EA 4" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.71 1.76 5.60 9.80	4.97
08 71 23 00-1925 EA 4" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.75 1.76 5.60 9.80	4.97
08 71 23 00-1926 EA 4" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.76 1.76 5.60 9.80	4.97
08 71 23 00-1927 EA 6" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.62 1.76 5.60 9.80	4.27
08 71 23 00-1928 EA 6" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.68 1.76 5.60 9.80	4.27
08 71 23 00-1929 EA 6" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.73 1.76 5.60 9.80	4.27
08 71 23 00-1930 EA 6" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.78 1.76 5.60 9.80	4.27
08 71 23 00-1931 EA 6" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.55 1.76 5.60 9.80	4.44
08 71 23 00-1932 EA 6" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.60 1.76 5.60 9.80	4.44
08 71 23 00-1933 EA 6" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.66 1.76 5.60 9.80	4.44
08 71 23 00-1934 EA 6" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.72 1.76 5.60 9.80	4.44
08 71 23 00-1935 EA 6" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.77 1.76 5.60 9.80	4.67
08 71 23 00-1936 EA 6" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.83 1.76 5.60 9.80	4.67
08 71 23 00-1937 EA 6" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.89 1.76 5.60 9.80	4.67
08 71 23 00-1938 EA 6" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.11 1.76 5.60 9.80	4.97

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1939	EA		6" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	90.17	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1940	EA		6" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	93.23	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1941			Stainless Base Material Mop Plate <small>(08 71 23 00-1793)</small>		
08 71 23 00-1942			Satin Stainless Finish, Stainless Mop Plate <small>(08 71 23 00-1941)</small>		
08 71 23 00-1943	EA		4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	24.21	4.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1944	EA		4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	24.84	4.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1945	EA		4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	25.50	4.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1946	EA		4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	26.15	4.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1947	EA		4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	27.52	4.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1948	EA		4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	28.18	4.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1949	EA		4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	28.82	4.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1950	EA		4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	29.48	4.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1951	EA		4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	31.12	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1952	EA		4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	31.78	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1953	EA		4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	32.44	4.67
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1954	EA		4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	34.25	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1955	EA		4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	34.91	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1956	EA		4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	35.55	4.97
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1957	EA		6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	27.78	4.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1958	EA		6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	28.77	4.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1959	EA		6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	29.75	4.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1960	EA		6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	30.74	4.27
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1961 EA 6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	32.42 1.76 5.60 9.80	4.44
08 71 23 00-1962 EA 6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	33.39 1.76 5.60 9.80	4.44
08 71 23 00-1963 EA 6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	34.39 1.76 5.60 9.80	4.44
08 71 23 00-1964 EA 6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	35.36 1.76 5.60 9.80	4.44
08 71 23 00-1965 EA 6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	37.34 1.76 5.60 9.80	4.67
08 71 23 00-1966 EA 6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.31 1.76 5.60 9.80	4.67
08 71 23 00-1967 EA 6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.29 1.76 5.60 9.80	4.67
08 71 23 00-1968 EA 6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.45 1.76 5.60 9.80	4.97
08 71 23 00-1969 EA 6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.42 1.76 5.60 9.80	4.97
08 71 23 00-1970 EA 6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.41 1.76 5.60 9.80	4.97
08 71 23 00-1971 Bright Stainless Finish, Stainless Mop Plate (08 71 23 00-1941)		
08 71 23 00-1972 EA 4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	32.99 1.76 5.60 9.80	4.27
08 71 23 00-1973 EA 4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	34.45 1.76 5.60 9.80	4.27
08 71 23 00-1974 EA 4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	35.92 1.76 5.60 9.80	4.27
08 71 23 00-1975 EA 4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	37.35 1.76 5.60 9.80	4.27
08 71 23 00-1976 EA 4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.53 1.76 5.60 9.80	4.44
08 71 23 00-1977 EA 4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.98 1.76 5.60 9.80	4.44
08 71 23 00-1978 EA 4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.44 1.76 5.60 9.80	4.44
08 71 23 00-1979 EA 4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.90 1.76 5.60 9.80	4.44
08 71 23 00-1980 EA 4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.33 1.76 5.60 9.80	4.67
08 71 23 00-1981 EA 4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.79 1.76 5.60 9.80	4.67

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1982	EA		4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.26 1.76 5.60 9.80	4.67
08 71 23 00-1983	EA		4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.88 1.76 5.60 9.80	4.97
08 71 23 00-1984	EA		4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.34 1.76 5.60 9.80	4.97
08 71 23 00-1985	EA		4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.78 1.76 5.60 9.80	4.97
08 71 23 00-1986	EA		6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.99 1.76 5.60 9.80	4.27
08 71 23 00-1987	EA		6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.19 1.76 5.60 9.80	4.27
08 71 23 00-1988	EA		6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.37 1.76 5.60 9.80	4.27
08 71 23 00-1989	EA		6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.56 1.76 5.60 9.80	4.27
08 71 23 00-1990	EA		6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.44 1.76 5.60 9.80	4.44
08 71 23 00-1991	EA		6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.62 1.76 5.60 9.80	4.44
08 71 23 00-1992	EA		6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.80 1.76 5.60 9.80	4.44
08 71 23 00-1993	EA		6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.98 1.76 5.60 9.80	4.44
08 71 23 00-1994	EA		6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.16 1.76 5.60 9.80	4.67
08 71 23 00-1995	EA		6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.35 1.76 5.60 9.80	4.67
08 71 23 00-1996	EA		6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.53 1.76 5.60 9.80	4.67
08 71 23 00-1997	EA		6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.88 1.76 5.60 9.80	4.97
08 71 23 00-1998	EA		6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.05 1.76 5.60 9.80	4.97
08 71 23 00-1999	EA		6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.23 1.76 5.60 9.80	4.97
08 71 23 00-2000			Plastic Mop Plate <small>(08 71 23 00-1793)</small>		
08 71 23 00-2001			Clear Or Black Finish, Plastic Mop Plate <small>(08 71 23 00-2000)</small> Note: With four beveled edges.		
08 71 23 00-2002	EA		4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	22.99	4.27
08 71 23 00-2003	EA		4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	23.53	4.27
08 71 23 00-2004	EA		4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	24.09	4.27
08 71 23 00-2005	EA		4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	24.63	4.27



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2006	EA			4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	25.88	4.44
08 71 23 00-2007	EA			4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	26.43	4.44
08 71 23 00-2008	EA			4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	26.97	4.44
08 71 23 00-2009	EA			4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	27.52	4.44
08 71 23 00-2010	EA			4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	29.05	4.67
08 71 23 00-2011	EA			4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	29.60	4.67
08 71 23 00-2012	EA			4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	30.14	4.67
08 71 23 00-2013	EA			4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	31.85	4.97
08 71 23 00-2014	EA			4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	32.41	4.97
08 71 23 00-2015	EA			4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	32.95	4.97
08 71 23 00-2016	EA			6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	25.99	4.27
08 71 23 00-2017	EA			6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	26.81	4.27
08 71 23 00-2018	EA			6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	27.63	4.27
08 71 23 00-2019	EA			6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	28.44	4.27
08 71 23 00-2020	EA			6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	29.97	4.44
08 71 23 00-2021	EA			6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	30.79	4.44
08 71 23 00-2022	EA			6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	31.60	4.44
08 71 23 00-2023	EA			6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	32.42	4.44
08 71 23 00-2024	EA			6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	34.23	4.67
08 71 23 00-2025	EA			6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	35.05	4.67
08 71 23 00-2026	EA			6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	35.86	4.67
08 71 23 00-2027	EA			6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	37.85	4.97
08 71 23 00-2028	EA			6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	38.67	4.97
08 71 23 00-2029	EA			6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	39.48	4.97
08 71 23 00-2030 Armor Door Plate <small>(08 71 23 00-0771)</small>						
Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.						
08 71 23 00-2031	SF			4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	12.74	0.73
08 71 23 00-2032	SF			>8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	12.09	0.57
08 71 23 00-2033	SF			4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	14.11	0.73
08 71 23 00-2034	SF			>8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	13.46	0.57
08 71 23 00-2035	SF			4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	27.84	0.73
08 71 23 00-2036	SF			>8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	27.19	0.57
08 71 23 00-2037 Pull Handle And Plates <small>(08 71 23 00-0771)</small>						
08 71 23 00-2038 Pull Handle <small>(08 71 23 00-2037)</small>						
08 71 23 00-2039	EA			3/4" Diameter Aluminum Door Pulls, 6" Long	43.43	4.82
				<i>For Stainless Steel, Add</i>	10.14	
				<i>For Brass, Add</i>	13.76	
08 71 23 00-2040	EA			3/4" Diameter Aluminum Door Pulls, 8" Long	43.43	4.82
				<i>For Stainless Steel, Add</i>	10.14	
				<i>For Brass, Add</i>	13.76	
08 71 23 00-2041	EA			3/4" Diameter Aluminum Door Pulls, 10" Long	45.81	4.82
				<i>For Stainless Steel, Add</i>	11.14	
				<i>For Brass, Add</i>	15.12	
08 71 23 00-2042	EA			1" Diameter Aluminum Door Pulls, 8" Long	51.45	4.82
				<i>For Stainless Steel, Add</i>	13.51	
				<i>For Brass, Add</i>	18.33	
08 71 23 00-2043	EA			1" Diameter Aluminum Door Pulls, 10" Long	54.67	4.82
				<i>For Stainless Steel, Add</i>	14.86	
				<i>For Brass, Add</i>	20.17	
08 71 23 00-2044	EA			1" Diameter Aluminum Door Pulls, 12" Long	58.94	4.82
				<i>For Stainless Steel, Add</i>	16.65	
				<i>For Brass, Add</i>	22.60	
08 71 23 00-2045	EA			1" Flattened x 1/2" Round Aluminum Door Pulls, 6" Long	46.37	4.82
				<i>For Stainless Steel, Add</i>	11.37	
				<i>For Brass, Add</i>	15.44	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2046 EA 1" Flattened x 1/2" Round Aluminum Door Pulls, 8" Long.....	46.37	4.82
For Stainless Steel, Add	11.37	
For Brass, Add	15.44	
08 71 23 00-2047 EA 1" Flattened x 1/2" Round Aluminum Door Pulls, 10" Long.....	49.06	4.82
For Stainless Steel, Add	12.50	
For Brass, Add	16.97	
08 71 23 00-2048 EA 1" Diameter Stainless Steel Offset Door Pulls, 8" Long.....	85.97	4.82
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	12.60	
For Brass, Add	11.60	
08 71 23 00-2049 EA 1" Diameter Stainless Steel Offset Door Pulls, 10" Long.....	90.32	4.82
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	13.42	
For Brass, Add	12.36	
08 71 23 00-2050 EA 1" Diameter Stainless Steel Offset Door Pulls, 12" Long.....	94.67	4.82
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	14.25	
For Brass, Add	13.12	
08 71 23 00-2051 EA 1" Diameter Stainless Steel Offset Door Pulls, 18" Long.....	114.96	4.82
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	18.08	
For Brass, Add	16.65	
08 71 23 00-2052 Pull Plate (08 71 23 00-2037)		
08 71 23 00-2053 EA 3-1/2" x 15" Aluminum Pull Plate Door Hardware.....	42.82	3.65
For Stainless Steel, Add	16.64	
For Brass, Add	21.16	
08 71 23 00-2054 EA 4" x 16" Aluminum Pull Plate Door Hardware.....	43.80	3.65
For Stainless Steel, Add	17.22	
For Brass, Add	21.89	
08 71 23 00-2055 EA 6" x 16" Aluminum Pull Plate Door Hardware.....	46.04	3.65
For Stainless Steel, Add	18.54	
For Brass, Add	23.57	
08 71 23 00-2056 Push Bars And Plates (08 71 23 00-0771)		
08 71 23 00-2057 Push Bars (08 71 23 00-2056)		
08 71 23 00-2058 EA 3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate.....	160.61	3.65
Note: Up to 34" wide. All finishes.		
08 71 23 00-2059 EA 3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide.....	110.13	3.65
For Brass Push Bar, Add	16.62	
08 71 23 00-2060 EA 1" Diameter Stainless Steel Push Bar, Up To 34" Wide.....	114.14	3.65
For Brass Push Bar, Add	17.32	
08 71 23 00-2061 EA 1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide.....	213.68	3.65
For Brass Push Bar, Add	34.64	
08 71 23 00-2062 Push Plates (08 71 23 00-2056)		
08 71 23 00-2063 Aluminum Push Plates (08 71 23 00-2062)		
08 71 23 00-2064 Clear Anodized Finish, Aluminum Push Plates (08 71 23 00-2063)		
Note: Ives 8200 Series.		
08 71 23 00-2065 EA 3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware.....	21.70	3.65
08 71 23 00-2066 EA 4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware.....	21.70	3.65
08 71 23 00-2067 EA 6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware.....	21.70	3.65
08 71 23 00-2068 EA 8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware.....	23.49	3.65
08 71 23 00-2069 Stainless Steel Push Plates (08 71 23 00-2062)		
08 71 23 00-2070 Satin Finish, Stainless Steel Push Plates (08 71 23 00-2069)		
Note: Ives 8200 Series.		
08 71 23 00-2071 EA 3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware.....	21.70	3.65
08 71 23 00-2072 EA 4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	23.08	3.65
08 71 23 00-2073 EA 6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	26.23	3.65
08 71 23 00-2074 EA 8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	30.88	3.65
08 71 23 00-2075 Brass Push Plates (08 71 23 00-2062)		
08 71 23 00-2076 Bright/Satin Brass Finish, Brass Push Plates (08 71 23 00-2075)		
Note: Ives 8200 Series.		
08 71 23 00-2077 EA 3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	25.91	3.65
08 71 23 00-2078 EA 4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	29.45	3.65
08 71 23 00-2079 EA 6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	37.97	3.65
08 71 23 00-2080 EA 8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	43.57	3.65
08 71 23 00-2081 Bright/Satin Chrome Finish, Brass Push Plates (08 71 23 00-2075)		
Note: Ives 8200 Series.		
08 71 23 00-2082 EA 3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware.....	28.74	3.65
08 71 23 00-2083 EA 4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware.....	31.62	3.65
08 71 23 00-2084 EA 6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware.....	39.42	3.65
08 71 23 00-2085 EA 8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware.....	47.12	3.65



	Openings	08
	Hardware	08 70
	Door Hardware	08 71

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 23 00-2086	Satin/Dark Bronze Finish, Brass Push Plates <small>(08 71 23 00-2075)</small>				
	Note: Ives 8200 Series.				
08 71 23 00-2087	EA		3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	28.74	3.65
08 71 23 00-2088	EA		4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	31.62	3.65
08 71 23 00-2089	EA		6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	40.80	3.65
08 71 23 00-2090	EA		8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	47.89	3.65

08 71 23 00-2091	Satin Nickel Finish, Brass Push Plates <small>(08 71 23 00-2075)</small>				
	Note: Ives 8200 Series.				
08 71 23 00-2092	EA		3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware	28.74	3.65
08 71 23 00-2093	EA		4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	32.33	3.65
08 71 23 00-2094	EA		6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	42.98	3.65
08 71 23 00-2095	EA		8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	50.07	3.65

08 71 23 00-2096	Anti-Vandal Pull <small>(08 71 23 00-2056)</small>				
08 71 23 00-2097	EA		Anti-Vandal Pull With Astragal (Trimco 1096HA)	148.93	7.31
08 71 23 00-2098	EA		Anti-Vandal Pull Without Astragal (Trimco 1097HA)	148.93	7.31

08 71 23 00-2099	Exit Devices <small>(08 71 23)</small>				
08 71 23 00-2100	Push Bar Exit Device, Von Duprin Series 22 <small>(08 71 23 00-2099)</small>				
	Note: Grade 1, BHMA 156.3.				
08 71 23 00-2101	EA		3' Push Bar Exit Device, Rim Type	460.24	65.76
			Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22.		
			<i>For 4' Push Bar, Add</i>	13.00	
08 71 23 00-2102	EA		3' Push Bar Exit Device, Rim Type, Fire Rated	516.61	65.76
			Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22-F.		
			<i>For 4' Push Bar, Add</i>	13.00	
08 71 23 00-2103	EA		3' Push Bar Exit Device, Surface Vertical Rods	677.78	78.91
			Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227.		
			<i>For 4' Push Bar, Add</i>	13.00	
08 71 23 00-2104	EA		3' Push Bar Exit Device, Surface Vertical Rods, Fire Rated	818.18	73.07
			Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227-F.		
			<i>For 4' Push Bar, Add</i>	13.00	
08 71 23 00-2105	EA		Dummy Trim (210DT), Von Duprin Series 22	61.08	10.96
			Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2106	EA		Night Latch Trim (210NL) With Cylinder, Von Duprin Series 22	141.66	14.61
			Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2107	EA		Knob Trim (210K) With Cylinder, Von Duprin Series 22	265.80	21.92
			Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2108	EA		Lever Trim (230L) With Cylinder, Von Duprin Series 22	263.20	21.92
			Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2109	EA		Thumbpiece Trim (230TP) With Cylinder, Von Duprin Series 22	262.55	21.92
			Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2110	EA		Knob - Blank Escutcheon (210K-BE), Von Duprin Series 22	202.10	21.92
			Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2111	EA		Exit Only Trim Plate (230EO), Von Duprin Series 22	81.88	8.77
			Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2112	EA		Dummy Trim (230DT), Von Duprin Series 22	94.23	10.96
			Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2113	EA		Night Latch Trim (230NL) With Cylinder, Von Duprin Series 22	176.11	14.61
			Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2114	EA		Lever - Blank Escutcheon (230L-BE), Von Duprin Series 22	199.50	21.92
			Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2115	EA		Thumbpiece - Blank Escutcheon (230TP-BE), Von Duprin Series 22	198.85	21.92
			Note: Anodized finish: aluminum or dark brown.		

08 71 23 00-2116	Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35 <small>(08 71 23 00-2099)</small>				
	Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.				
08 71 23 00-2117	EA		3' Push Bar Exit Device, Rim Type, Narrow Stile	900.11	65.76
			Note: Aluminum anodized finish. Von Duprin Series 33/35.		
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	74.21	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	142.41	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	27.54	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	211.63	
08 71 23 00-2118	EA		3' Push Bar Exit Device, Surface Vertical Rods, Narrow Stile	1,229.63	78.91
			Note: Aluminum anodized finish. Von Duprin Series 3327/3527.		
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	104.37	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	200.27	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	38.73	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	297.61	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2119 EA 3' Push Bar Exit Device, Surface Vertical Rods, Fire Rated, Narrow Stile.....	1,254.33	78.91
Note: Aluminum anodized finish. Von Duprin Series 3327-F/3527-F.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	106.90	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	205.13	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	39.67	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	304.82	
08 71 23 00-2120 EA 3' Push Bar Exit Device, Concealed Vertical Rods, Narrow Stile.....	1,270.88	90.61
Note: Aluminum anodized finish. Von Duprin Series 3347/3547.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	105.30	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	202.06	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	39.08	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	300.26	
08 71 23 00-2121 EA 3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Narrow Stile.....	1,334.58	90.61
Note: Aluminum anodized finish. Von Duprin Series 3347-F/3547-F.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	111.82	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	214.58	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	41.50	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	318.86	
08 71 23 00-2122 EA 3' Push Bar Exit Device, Concealed Vertical Rods, Narrow Stile.....	1,423.63	90.61
Note: Aluminum anodized finish. Von Duprin Series 3348/3548.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	120.94	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	232.08	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	44.88	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	344.87	
08 71 23 00-2123 EA 3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Narrow Stile.....	1,487.33	90.61
Note: Aluminum anodized finish. Von Duprin Series 3348-F/3548-F.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	127.46	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	244.59	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	47.30	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	363.47	
08 71 23 00-2124 EA Dummy Trim (DT), Von Duprin Series 33/35.....	203.43	10.96
Note: Anodized finish: aluminum or dark brown.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	34.23	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	6.62	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	50.87	
08 71 23 00-2125 EA Night Latch Less Pull (NL-OP With Cylinder, Von Duprin Series 33/35.....	255.41	14.61
Note: Anodized finish: aluminum or dark brown.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	42.15	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	8.15	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	62.63	
08 71 23 00-2126 EA Night Latch (NL) With Cylinder, Von Duprin Series 33/35.....	412.06	14.61
Note: Anodized finish: aluminum or dark brown.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	72.93	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	14.10	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	108.38	
08 71 23 00-2127 EA Lever Trim (360L) With Cylinder, Von Duprin Series 33/35.....	514.75	21.92
Note: Anodized finish: aluminum or dark brown.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	89.66	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	17.34	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	133.24	
08 71 23 00-2128 EA Lever - Blank Escutcheon (360L-BE) With Cylinder, Von Duprin Series 33/35.....	493.95	21.92
Note: Anodized finish: aluminum or dark brown.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	85.58	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.55	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	127.17	
08 71 23 00-2129 EA Lever Dummy Trim (360L-DT) With Cylinder, Von Duprin Series 33/35.....	484.20	21.92
Note: Anodized finish: aluminum or dark brown.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	83.66	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.18	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	124.32	
08 71 23 00-2130 EA Thumbturn Trim (360T) With Cylinder, Von Duprin Series 33/35.....	488.75	21.92
Note: Anodized finish: aluminum or dark brown.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	84.55	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.35	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	125.65	
08 71 23 00-2131 Push Bar Exit Device, Von Duprin Series 98/99 (08 71 23 00-2099)		
Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.		



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2132 EA 3' Push Bar Exit Device, Rim Type, Von Duprin Series 98/99 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	792.21	65.76
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	37.63	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	59.83	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	95.61	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	195.54	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	61.69	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	90.68	
For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
For Special Center Case Dogging (SD), Add	172.13	
For Cylinder Dogging Indicator (CI), Add	114.57	
For Dogging Indicator (DI), Add	105.25	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2133 EA 3' Push Bar Exit Device, Rim Type, Fire Rated, Von Duprin Series 98-F/99-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	900.11	65.76
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	44.21	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	70.30	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	112.34	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	229.75	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	72.48	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	106.54	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2134 EA 3' Push Bar Exit Device, Rim Type, Von Duprin Series XP98/XP99 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	864.36	65.76
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	42.03	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	66.83	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	106.80	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	218.41	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	68.90	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	101.28	
For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
For Special Center Case Dogging (SD), Add	172.13	
For Cylinder Dogging Indicator (CI), Add	114.57	
For Dogging Indicator (DI), Add	105.25	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2135 EA 3' Push Bar Exit Device, Rim Type, Fire Rated, Von Duprin Series XP98-F/XP99-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	969.66	65.76
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	48.45	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	77.05	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	123.12	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	251.79	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	79.43	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	116.76	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2136 EA 3' Push Bar Exit Device, Surface Vertical Rods, Von Duprin Series 9827/9927 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,131.48	78.91
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	56.18	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	89.34	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	142.76	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	291.97	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	92.11	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	135.39	
For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
For Special Center Case Dogging (SD), Add	172.13	
For Cylinder Dogging Indicator (CI), Add	114.57	
For Dogging Indicator (DI), Add	105.25	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2137 EA 3' Push Bar Exit Device, Surface Vertical Rods, Fire Rated, Von Duprin Series 9827-F/9927-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,277.73	78.91
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	65.11	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	103.53	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	165.43	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	338.33	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	106.73	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	156.89	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2138 EA 3' Push Bar Exit Device, Concealed Vertical Rods, Von Duprin Series 9847/9947	1,187.68	90.61
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	87.89	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	91.67	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	146.49	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	299.60	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	94.51	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	138.93	
For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
For Special Center Case Dogging (SD), Add	172.13	
For Cylinder Dogging Indicator (CI), Add	114.57	
For Dogging Indicator (DI), Add	105.25	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2139 EA 3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Von Duprin Series 9847-F/9947-F	1,337.18	90.61
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	101.80	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	106.18	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	169.66	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	346.99	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	109.46	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	160.91	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2140 EA 3' Push Bar Exit Device, Concealed Vertical Rods, Von Duprin Series 9848/9948	1,340.43	90.61
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	102.10	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	106.49	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	170.17	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	348.02	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	109.79	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	161.38	
For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
For Special Center Case Dogging (SD), Add	172.13	
For Cylinder Dogging Indicator (CI), Add	114.57	
For Dogging Indicator (DI), Add	105.25	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2141 EA 3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Von Duprin Series 9848-F/9948-F	1,489.93	90.61
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	116.00	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	120.99	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	193.34	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	395.41	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	124.74	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	183.36	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2142 EA 3' Push Bar Exit Device, Wood Door Concealed Vertical Rods, Von Duprin Series 9847WDC/9947WDC	1,296.23	90.61
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	97.99	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	102.20	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	163.32	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	334.01	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	105.37	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	154.89	
For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
For Special Center Case Dogging (SD), Add	172.13	
For Cylinder Dogging Indicator (CI), Add	114.57	
For Dogging Indicator (DI), Add	105.25	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2143 EA 3' Push Bar Exit Device, Wood Door Concealed Vertical Rods, Fire Rated, Von Duprin Series 9847WDC-F/9947WDC-F	1,464.58	90.61
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	113.65	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	118.53	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	189.41	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	387.37	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	122.20	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	179.63	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2144 EA 3' Push Bar Exit Device, Surface Three Point Latch, Von Duprin Series 9857/9957	1,416.18	78.91
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	73.55	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	116.96	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	186.89	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	382.22	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	120.58	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	177.25	
For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
For Special Center Case Dogging (SD), Add	172.13	
For Cylinder Dogging Indicator (CI), Add	114.57	
For Dogging Indicator (DI), Add	105.25	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2145 EA 3' Push Bar Exit Device, Surface Three Point Latch, Fire Rated, Von Duprin Series 9857-F/9957-F	1,513.03	78.91
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	79.46	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	126.35	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	201.90	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	412.92	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	130.26	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	191.48	
For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
For Special Center Case Dogging (SD), Add	172.13	
For Cylinder Dogging Indicator (CI), Add	114.57	
For Dogging Indicator (DI), Add	105.25	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2146 EA 3' Push Bar Exit Device, Mortise Lock, Von Duprin Series 9875/9975	1,120.75	81.84
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	33.36	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	87.45	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	139.74	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	285.79	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	90.16	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	132.53	
For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
For Special Center Case Dogging (SD), Add	172.13	
For Cylinder Dogging Indicator (CI), Add	114.57	
For Dogging Indicator (DI), Add	105.25	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2147 EA 3' Push Bar Exit Device, Mortise Lock, Fire Rated, Von Duprin Series 9875-F/9975-F	1,230.60	81.84
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	37.42	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	98.11	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	156.77	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	320.61	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	101.14	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	148.68	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2148 EA 3' Push Bar Exit Device, Concealed Vertical Cable, Von Duprin Series 9849/9949	1,233.83	90.61
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	92.19	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	96.15	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	153.64	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	314.23	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	99.13	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	145.71	
For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
For Special Center Case Dogging (SD), Add	172.13	
For Cylinder Dogging Indicator (CI), Add	114.57	
For Dogging Indicator (DI), Add	105.25	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2149 EA 3' Push Bar Exit Device, Concealed Vertical Cable, Fire Rated, Von Duprin Series 9849-F/9949-F	1,343.03	90.61
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	102.34	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	106.74	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	170.57	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	348.84	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	110.05	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	161.77	
For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
For Special Center Case Dogging (SD), Add	172.13	
For Cylinder Dogging Indicator (CI), Add	114.57	
For Dogging Indicator (DI), Add	105.25	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2150	EA	3' Push Bar Exit Device, Wood Door Concealed Vertical Cable, Von Duprin Series 9849WDC/9949WDC Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,346.93	90.61
		<i>For 4' Push Bar, Add</i>	13.00	
		<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	102.70	
		<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	107.12	
		<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	171.17	
		<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	350.08	
		<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	110.44	
		<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	162.34	
		<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	41.11	
		<i>For Special Center Case Dogging (SD), Add</i>	172.13	
		<i>For Cylinder Dogging Indicator (CI), Add</i>	114.57	
		<i>For Dogging Indicator (DI), Add</i>	105.25	
		<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
		<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71 23 00-2151	EA	3' Push Bar Exit Device, Wood Door Concealed Vertical Cable, Fire Rated, Von Duprin Series 9849WDC-F/9949WDC-F..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,541.93	90.61
		<i>For 4' Push Bar, Add</i>	13.00	
		<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	120.84	
		<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	126.04	
		<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	201.40	
		<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	411.89	
		<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	129.94	
		<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	191.00	
		<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	41.11	
		<i>For Special Center Case Dogging (SD), Add</i>	172.13	
		<i>For Cylinder Dogging Indicator (CI), Add</i>	114.57	
		<i>For Dogging Indicator (DI), Add</i>	105.25	
		<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
		<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71 23 00-2152	EA	3' Push Bar Exit Device, Chexit Delayed Egress, Von Duprin Series CX98/CX99 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,766.53	75.99
		<i>For 4' Push Bar, Add</i>	13.00	
		<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	242.10	
		<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	495.14	
		<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	156.20	
		<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	58.10	
		<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	65.29	
		<i>For Center Case Dogging (CD-CX), Add</i>	185.83	
		<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
		<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71 23 00-2153	EA	3' Push Bar Exit Device, Chexit Delayed Egress, Fire Rated, Von Duprin Series CX98-F/CX99-F Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	1,874.43	75.99
		<i>For 4' Push Bar, Add</i>	13.00	
		<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	258.83	
		<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	529.34	
		<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	166.99	
		<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	62.12	
		<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	69.80	
		<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
		<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71 23 00-2154	EA	3' Push Bar Exit Device, Mortise Chexit Delayed Egress, Von Duprin Series CX9875/CX9975..... Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	2,100.92	93.52
		<i>For 4' Push Bar, Add</i>	13.00	
		<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	286.23	
		<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	585.39	
		<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	184.67	
		<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	68.70	
		<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	77.19	
		<i>For Center Case Dogging (CD-CX), Add</i>	185.83	
		<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
		<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71 23 00-2155	EA	3' Push Bar Exit Device, Mortise Chexit Delayed Egress, Fire Rated, Von Duprin Series CX9875-F/CX9975-F Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	2,210.77	93.52
		<i>For 4' Push Bar, Add</i>	13.00	
		<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	303.26	
		<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	620.21	
		<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	195.65	
		<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	72.78	
		<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	81.78	
		<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
		<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71 23 00-2156	EA	3' Push Bar Exit Device, Electric Latch Retraction, Von Duprin Series E98/E99 Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	1,129.53	75.99
		<i>For 4' Push Bar, Add</i>	13.00	
		<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	143.37	
		<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	293.21	
		<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	92.50	
		<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	34.41	
		<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	53.09	
		<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	41.11	
		<i>For Special Center Case Dogging (SD), Add</i>	172.13	
		<i>For Dogging Indicator (DI), Add</i>	105.25	
		<i>For Quiet Electric Latch Retraction (QEL), Add</i>	78.93	
		<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
		<i>For Safety Glow Touchpad, Add</i>	191.86	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-2157	EA	3' Push Bar Exit Device, Electric Latch Retraction, Fire Rated, Von Duprin Series E98-F/E99-F Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	1,237.43	75.99
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	160.09	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	327.41	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	103.29	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	38.42	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	59.29	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
			<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71	23 00-2158	EA	3' Push Bar Exit Device, Mortise Electric Latch Retraction, Von Duprin Series E9875/E9975 Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	1,463.92	93.52
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	187.50	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	383.46	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	120.97	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	45.00	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	69.43	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	41.11	
			<i>For Special Center Case Dogging (SD), Add</i>	172.13	
			<i>For Dogging Indicator (DI), Add</i>	105.25	
			<i>For Quiet Electric Latch Retraction (QEL), Add</i>	78.93	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
			<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71	23 00-2159	EA	3' Push Bar Exit Device, Mortise Electric Latch Retraction, Fire Rated, Von Duprin Series E9875-F/E9975-F Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	1,573.77	93.52
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	204.52	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	418.28	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	131.95	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	49.09	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	75.74	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
			<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71	23 00-2160	EA	Exit Only Trim Plate (EO), Von Duprin Series 98/99 Note: Satin chrome plated US26D (BHMA 626) finish.	92.45	8.77
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	2.07	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	3.11	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	11.74	
08 71	23 00-2161	EA	Dummy Trim (DT), Von Duprin Series 98/99 Note: Satin chrome plated US26D (BHMA 626) finish.	136.67	10.96
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	3.22	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	4.83	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	18.26	
08 71	23 00-2162	EA	Night Latch (NL) Pull Trim With 110NL Cylinder, Von Duprin Series 98/99 Note: Satin chrome plated US26D (BHMA 626) finish.	219.72	14.61
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	5.36	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	8.05	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	30.40	
08 71	23 00-2163	EA	Night Latch (NL) Pull Trim Without Cylinder, Von Duprin Series 98/99 Note: Satin chrome plated US26D (BHMA 626) finish.	156.02	14.61
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	3.45	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	5.18	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	19.57	
08 71	23 00-2164	EA	Lever Trim (L) With 110NL Cylinder, Von Duprin Series 98/99 Note: Satin chrome plated US26D (BHMA 626) finish.	370.47	21.92
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	9.36	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	14.04	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	53.04	
08 71	23 00-2165	EA	Lever Trim (L) Without Cylinder, Von Duprin Series 98/99 Note: Satin chrome plated US26D (BHMA 626) finish.	306.77	21.92
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	7.45	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	11.17	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	42.21	
08 71	23 00-2166	EA	Lever - Blank Escutcheon (L-BE), Von Duprin Series 98/99 Note: Satin chrome plated US26D (BHMA 626) finish.	306.77	21.92
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	7.45	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	11.17	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	42.21	
08 71	23 00-2167	EA	Lever - Night Latch (L-NL) With 110NL Cylinder, Von Duprin Series 98/99 Note: Satin chrome plated US26D (BHMA 626) finish.	315.65	21.92
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	7.72	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	11.57	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	43.72	
08 71	23 00-2168	EA	Lever - Night Latch (L-NL) Without Cylinder, Von Duprin Series 98/99 Note: Satin chrome plated US26D (BHMA 626) finish.	251.95	21.92
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	5.81	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	8.71	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	32.90	
08 71	23 00-2169	EA	Lever Dummy Trim (L-DT), Von Duprin Series 98/99 Note: Satin chrome plated US26D (BHMA 626) finish.	251.95	21.92
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	5.81	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	8.71	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	32.90	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2170 EA Knob Trim (K) With 110NL Cylinder, Von Duprin Series 98/99.....	306.89	21.92
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	7.45	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	11.18	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	42.23	
08 71 23 00-2171 EA Knob Trim (K) Without Cylinder, Von Duprin Series 98/99.....	243.19	21.92
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.54	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	8.31	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	31.41	
08 71 23 00-2172 EA Knob - Blank Escutcheon (K-BE), Von Duprin Series 98/99.....	243.19	21.92
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.54	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	8.31	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	31.41	
08 71 23 00-2173 EA Knob - Night Latch (K-NL) With 110NL Cylinder, Von Duprin Series 98/99.....	301.95	21.92
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	7.31	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.96	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	41.40	
08 71 23 00-2174 EA Knob - Night Latch (K-NL) Without Cylinder, Von Duprin Series 98/99.....	238.25	21.92
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.39	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	8.09	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	30.57	
08 71 23 00-2175 EA Knob Dummy Trim (K-DT) Without Cylinder, Von Duprin Series 98/99.....	238.25	21.92
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.39	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	8.09	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	30.57	
08 71 23 00-2176 EA Thumbpiece Trim (TP) With 110NL Cylinder, Von Duprin Series 98/99.....	275.09	21.92
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.50	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.75	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	36.83	
08 71 23 00-2177 EA Thumbpiece Trim (TP) Without Cylinder, Von Duprin Series 98/99.....	211.39	21.92
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	4.59	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	6.88	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	26.00	
08 71 23 00-2178 EA Thumbpiece - Blank Escutcheon (T-BE), Von Duprin Series 98/99.....	211.39	21.92
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	4.59	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	6.88	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	26.00	
08 71 23 00-2179 EA Push/Pull Hospital Latch Trim (HL) With 110NL Cylinder, Von Duprin Series 98/99.....	228.74	21.92
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.11	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	7.66	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	28.95	
08 71 23 00-2180 Option And Kits For Series 22, 33, 35, 98 Or 99 (08 71 23 00-2099)		
08 71 23 00-2181 EA Alarm Kit With Switch And 9 Volt Battery Back-up.....	624.59	21.92
08 71 23 00-2182 EA Power Supply For Chexit Or Electric Latch Devices (Von Duprin PS914).....	477.59	21.92
Note: 4 amp @ 12 volt DC, 2 amp @ 24 volt DC.		
For Battery Backup (Includes Board And 2 Batteries), Add	66.69	
For Fire Alarm Interface, Add	33.34	
For 2 Relay Panic Device Control Board, Add	96.69	
For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	113.36	
For 4 Relay Output Board, Add	93.36	
For 4 Relay Logic Board, Add	256.05	
For Fused 8 Zone Distribution Board, Add	33.34	
08 71 23 00-2183 EA Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10).....	443.13	21.92
08 71 23 00-2184 EA Power Supply, 2 Amp (Von Duprin PS902).....	196.38	21.92
Note: 2A@12/24 VDC		
For Battery Backup (Includes Board And 2 Batteries), Add	66.69	
For Fire Alarm Interface, Add	33.34	
For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	113.36	
For 4 Relay Output Board, Add	93.36	
For 4 Relay Logic Board, Add	256.05	
For Fused 8 Zone Distribution Board, Add	33.34	
08 71 23 00-2185 EA Power Supply, 4 Amp (Von Duprin PS904).....	318.43	21.92
Note: 4A@12/24 VDC		
For Battery Backup (Includes Board And 2 Batteries), Add	66.69	
For Fire Alarm Interface, Add	33.34	
For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	113.36	
For 4 Relay Output Board, Add	93.36	
For 4 Relay Logic Board, Add	256.05	
For Fused 8 Zone Distribution Board, Add	33.34	
08 71 23 00-2186 EA Request to Exit Push Pad Monitor Switch (RX).....	133.93	14.61
08 71 23 00-2187 Removable Verticals, Mullions (Von Duprin) (08 71 23 00-2099)		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2188 EA 7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72) Note: For use with Von Duprin Panic rim devices. <i>For Owner Furnished Material, Deduct</i>	357.45 -299.00	14.61
08 71 23 00-2189 EA 8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82) Note: For use with Von Duprin Panic rim devices. <i>For Owner Furnished Material, Deduct</i>	380.85 -322.40	14.61
08 71 23 00-2190 EA 10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102) Note: For use with Von Duprin Panic rim devices. <i>For Owner Furnished Material, Deduct</i>	633.25 -574.80	14.61
08 71 23 00-2191 EA 7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76) Note: For use with Von Duprin Panic rim devices. <i>For Owner Furnished Material, Deduct</i>	618.75 -548.60	17.54
08 71 23 00-2192 EA 8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86) Note: For use with Von Duprin Panic rim devices. <i>For Owner Furnished Material, Deduct</i>	642.15 -572.00	17.54
08 71 23 00-2193 EA 10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106) Note: For use with Von Duprin Panic rim devices. <i>For Owner Furnished Material, Deduct</i>	693.50 -623.35	17.54
08 71 23 00-2194 EA 7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73)..... Note: For use with Von Duprin Panic rim devices. <i>For Owner Furnished Material, Deduct</i>	521.25 -462.80	14.61
08 71 23 00-2195 EA 8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83)..... Note: For use with Von Duprin Panic rim devices. <i>For Owner Furnished Material, Deduct</i>	545.30 -486.85	14.61
08 71 23 00-2196 EA 10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103)..... Note: For use with Von Duprin Panic rim devices. <i>For Owner Furnished Material, Deduct</i>	594.05 -535.60	14.61
08 71 23 00-2197 EA 7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75)..... Note: For use with Von Duprin Panic rim devices. <i>For Owner Furnished Material, Deduct</i>	807.90 -737.75	17.54
08 71 23 00-2198 EA 8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85)..... Note: For use with Von Duprin Panic rim devices. <i>For Owner Furnished Material, Deduct</i>	831.95 -761.80	17.54
08 71 23 00-2199 EA 10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105)..... Note: For use with Von Duprin Panic rim devices. <i>For Owner Furnished Material, Deduct</i>	1,587.71 -1,517.56	17.54
08 71 23 00-2200 EA Mullion Stabilizer Set (Von Duprin 154) Note: For use with Von Duprin Panic rim devices. <i>For Owner Furnished Material, Deduct</i>	72.13 -48.75	11.69
08 71 23 00-2201 Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55 <small>(08 71 23 00-2099)</small> Note: Grade 1, BHMA 156.3.		
08 71 23 00-2202 EA 42" Crossbar Exit Device, Rim Type, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	1,416.86 156.43 180.02 237.13 258.23	65.76
08 71 23 00-2203 EA 42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	1,820.13 198.77 228.74 301.31 328.13	90.61
08 71 23 00-2204 EA 42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	1,996.28 220.97 254.29 334.96 364.77	90.61
08 71 23 00-2205 EA 42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	1,863.68 204.26 235.06 309.63 337.19	90.61
08 71 23 00-2206 EA 42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	2,034.63 225.80 259.85 342.28 372.75	90.61
08 71 23 00-2207 EA 42" Crossbar Exit Device, Mortise Lock, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	1,403.50 149.22 171.72 226.20 246.33	81.84
08 71 23 00-2208 EA 42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	1,518.55 163.72 188.41 248.18 270.26	81.84

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2209	EA	Dummy Trim (DT) Pull Bracket, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze.	243.08	10.96
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	26.95	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	31.01	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	40.85	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	44.48	
08 71 23 00-2210	EA	Cylinder Assembly, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze.	101.36	15.49
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	7.62	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	8.77	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	11.55	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	12.57	
08 71 23 00-2211	EA	Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55..... Note: Anodized finish: dull brass or dull bronze.	412.71	15.49
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	46.85	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	53.91	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	71.01	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	77.33	
08 71 23 00-2212	EA	Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55..... Note: Anodized finish: dull brass or dull bronze.	438.05	21.92
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	47.83	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	55.04	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	72.50	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	78.96	
08 71 23 00-2213	EA	Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze.	353.55	21.92
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	37.18	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	42.79	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	56.36	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	61.38	
08 71 23 00-2214	EA	Lever Trim (371L) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze.	438.05	21.92
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	47.83	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	55.04	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	72.50	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	78.96	
08 71 23 00-2215	EA	Lever Trim (575L) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze.	506.95	21.92
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	56.51	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	65.03	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	85.66	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	93.29	
08 71 23 00-2216		Cross Bar Exit Device, Von Duprin Series 88 (08 71 23 00-2099) Note: Grade 1, BHMA 156.3.		
08 71 23 00-2217	EA	42" Crossbar Exit Device, Rim Type Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88.	879.31	65.76
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	21.82	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	22.53	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	192.18	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	192.18	
08 71 23 00-2218	EA	42" Crossbar Exit Device, Rim Type, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F.	1,034.66	65.76
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	26.64	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	27.50	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	234.59	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	234.59	
08 71 23 00-2219	EA	42" Crossbar Exit Device, Surface Vertical Rods..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827.	1,142.53	78.91
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	28.90	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	29.83	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	254.46	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	254.46	
08 71 23 00-2220	EA	42" Crossbar Exit Device, Surface Vertical Rods, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F.	1,478.58	78.91
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	39.31	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	40.58	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	346.20	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	346.20	
08 71 23 00-2221	EA	42" Crossbar Exit Device, Concealed Vertical Rods Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847.	1,090.12	90.61
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	26.27	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	27.12	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	231.38	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	231.38	
08 71 23 00-2222	EA	42" Crossbar Exit Device, Concealed Vertical Rods, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F.	1,395.68	90.61
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	35.75	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	36.90	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	314.80	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	314.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-2223	EA	42" Crossbar Exit Device, Mortise Lock..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	1,181.20 29.82 30.78 262.63 262.63	81.84
08 71	23 00-2224	EA	42" Crossbar Exit Device, Mortise Lock, Fire Rated..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	1,260.50 32.28 33.32 284.27 284.27	81.84
08 71	23 00-2225	EA	Dummy Trim (DT), Von Duprin Series 88..... Note: Anodized finish: dull brass or dull bronze. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	131.93 3.18 3.29 28.04 28.04	10.96
08 71	23 00-2226	EA	Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 88..... Note: Anodized finish: dull brass or dull bronze. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	213.16 5.34 5.51 47.02 47.02	14.61
08 71	23 00-2227	EA	Thumbturn Trim (376T Or 377T) With Cylinder, Von Duprin Series 88..... Note: Anodized finish: dull brass or dull bronze. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	374.35 9.79 10.11 86.24 86.24	21.92
08 71	23 00-2228	EA	Lever Trim (373L) With Cylinder, Von Duprin Series 88..... Note: Anodized finish: dull brass or dull bronze. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	348.35 8.99 9.28 79.14 79.14	21.92
08 71	23 00-2229	EA	Knob Trim (K) With Cylinder, Von Duprin Series 88..... Note: Anodized finish: dull brass or dull bronze. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	260.60 6.27 6.47 55.19 55.19	21.92
08 71	23 00-2230	EA	Thumbpiece Trim (TP) With Cylinder, Von Duprin Series 88..... Note: Anodized finish: dull brass or dull bronze. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	260.60 6.27 6.47 55.19 55.19	21.92
08 71	23 00-2231		Push Bar Exit Device, Precision Hardware Apex 2000 Series (08 71 23 00-2099) Note: Grade 1, BHMA 156.3. Anodized Aluminum Finish.		
08 71	23 00-2232	EA	3' Push Bar Exit Device, Rim Type (Precision Hardware 2100 Series)..... <i>For 4' Push Bar, Add</i> <i>For Owner Furnished Material, Deduct</i>	840.55 13.00 -665.19	65.76
08 71	23 00-2233	EA	3' Push Bar Exit Device, Rim Type, Fire Rated (Precision Hardware 2100 Series)..... <i>For 4' Push Bar, Add</i> <i>For Owner Furnished Material, Deduct</i>	886.25 13.00 -710.89	65.76
08 71	23 00-2234	EA	3' Push Bar Exit Device, Surface Vertical Rod (Top Only) (Precision Hardware 2200 Series)..... <i>For 4' Push Bar, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,149.27 13.00 -938.84	78.91
08 71	23 00-2235	EA	3' Push Bar Exit Device, Surface Vertical Rod (Top Only), Fire Rated (Precision Hardware 2200 Series)..... <i>For 4' Push Bar, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,194.97 13.00 -984.54	78.91
08 71	23 00-2236	EA	Exit Only, Cover Plate, Lever/Knob Trim (Precision 4901)..... <i>For Owner Furnished Material, Deduct</i>	102.77 -79.39	8.77
08 71	23 00-2237	EA	Exit Only, Dummy Trim, Lever/Knob Trim (Precision 4902A)..... <i>For Owner Furnished Material, Deduct</i>	270.40 -241.17	10.96
08 71	23 00-2238	EA	Key Retracts Latchbolt, Lever/Knob Trim (Precision 4903A)..... <i>For Owner Furnished Material, Deduct</i>	299.62 -241.17	21.92
08 71	23 00-2239	EA	Key Controls Lever/Knob, Lever/Knob Trim (Precision 4908A)..... <i>For Owner Furnished Material, Deduct</i>	359.77 -301.32	21.92
08 71	23 00-2240	EA	Key Controls Lever, Lever/Knob Trim (Precision V4908A)..... <i>For Owner Furnished Material, Deduct</i>	359.77 -301.32	21.92
08 71	23 00-2241	EA	Lever/Knob Always Active, Lever/Knob Trim (Precision 4914A)..... <i>For Owner Furnished Material, Deduct</i>	359.77 -301.32	21.92
08 71	23 00-2242	EA	Exit Only, Cover Plate, Pull Trim (Precision 1701)..... <i>For Owner Furnished Material, Deduct</i>	76.30 -52.92	8.77
08 71	23 00-2243	EA	Exit Only, Dummy Trim, Pull Trim (Precision 1702A)..... <i>For Owner Furnished Material, Deduct</i>	160.34 -131.11	10.96
08 71	23 00-2244	EA	Key Retracts Latchbolt, Pull Trim (Precision 1703A)..... <i>For Owner Furnished Material, Deduct</i>	172.02 -131.11	14.61
08 71	23 00-2245	EA	Key Controls Thumb Piece, Pull Trim (Precision 1705A)..... <i>For Owner Furnished Material, Deduct</i>	242.48 -184.03	21.92
08 71	23 00-2246	EA	Thumb Piece Always Active, Pull Trim (Precision 1715A)..... <i>For Owner Furnished Material, Deduct</i>	242.48 -184.03	21.92

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2247 Door Closers <small>(08 71 23)</small> Note: Includes standard cover and arm.		
08 71 23 00-2248 EA Surface Mounted Standard Duty Door Closer (LCN 1460 Series)	262.68	16.95
For Delayed Action, Add	12.60	
For AVB (5 LB Per Push), Add	6.60	
For Fusible Link Arm, Add	39.60	
For Shock Absorbing Arm, Add	19.80	
For Hold Open Arm, Add	13.80	
For Plated Brass Finish, Add	101.40	
For Plated Finish With Clear Coat, Add	127.20	
For Parallel Arm, Add	22.40	
08 71 23 00-2249 EA Surface Mounted Heavy Duty Door Closer (LCN 4010/4020/4110 Series).....	322.43	16.95
For Delayed Action, Add	12.60	
For AVB (5 LB Per Push), Add	6.60	
For Fusible Link Arm, Add	39.60	
For Shock Absorbing Arm, Add	19.80	
For Hold Open Arm, Add	13.80	
For Plated Brass Finish, Add	101.40	
For Plated Finish With Clear Coat, Add	127.20	
08 71 23 00-2250 EA Surface Mounted Heavy Duty Door Closer (LCN 4040XP/4041 Series).....	331.93	16.95
For Delayed Action, Add	12.60	
For AVB (5 LB Per Push), Add	6.60	
For Fusible Link Arm, Add	39.60	
For Shock Absorbing Arm, Add	19.80	
For Hold Open Arm, Add	13.80	
For Plated Brass Finish, Add	101.40	
For Plated Finish With Clear Coat, Add	127.20	
For Spring Cush Arm, Add	67.20	
For Parallel Arm And PA Shoe, Add	22.40	
For Stainless Steel Finish, Add	145.00	
08 71 23 00-2251 EA Surface Mounted High Security Door Closer, Metal Cover (LCN 4510).....	343.82	16.95
For Delayed Action, Add	12.60	
For AVB (5 LB Per Push), Add	6.60	
For Fusible Link Arm, Add	39.60	
For Shock Absorbing Arm, Add	19.80	
For Hold Open Arm, Add	13.80	
For Plated Brass Finish, Add	101.40	
For Plated Finish With Clear Coat, Add	127.20	
08 71 23 00-2252 EA Surface Mounted Standard Duty Door Closer (Norton 8301).....	217.93	16.95
For Parallel Arm, Add	22.40	
08 71 23 00-2253 EA Surface Mounted Standard Duty Door Closer (Norton 8501).....	219.93	16.95
For Parallel Arm, Add	22.40	
08 71 23 00-2254 EA Screen Door - Closer	28.49	6.39
08 71 23 00-2255 EA Screen Door - Locking Handle	31.24	9.16
08 71 23 00-2256 Concealed Door Closers <small>(08 71 23)</small>		
08 71 23 00-2257 EA Floor Concealed Door Closer, Non Hold Open (Rixson 27/28).....	739.69	50.27
08 71 23 00-2258 EA Floor Concealed Door Closer, Selective Hold Open (Rixson 27/27).....	795.69	50.27
08 71 23 00-2259 EA Concealed (In Door) Overhead Door Closer (LCN 3130)	380.96	20.46
For Hold Open Arm, Add	13.80	
For Plated Brass Finish, Add	101.40	
For Plated Finish With Clear Coat, Add	127.20	
08 71 23 00-2260 EA Concealed (In Frame) Overhead Door Closer (LCN 5010).....	413.72	20.46
For Delayed Action, Add	12.60	
For Hold Open Arm, Add	13.80	
For Plated Brass Finish, Add	101.40	
For Plated Finish With Clear Coat, Add	127.20	
08 71 23 00-2261 Locks And Latches <small>(08 71 23)</small> Note: All locksets are supplied with knob, lever or thumb piece, set of 3 keys and include construction cores. Multi purchase locksets are keyed alike and to the existing master key. The cost for boring hole or preparing mortise is included with the new door.		
08 71 23 00-2262 Locksmith Services <small>(08 71 23 00-2261)</small>		
08 71 23 00-2263 EA Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys.....	1.13	
For >5, Deduct	-0.23	
08 71 23 00-2264 EA Rekey Existing Cylinder To Match Existing Cylinders Or Master Key.....	70.17	
For >5, Deduct	-7.02	
08 71 23 00-2265 EA Replace Cylinder With Owner Supplied Cylinder.....	70.17	
For >5, Deduct	-7.02	
08 71 23 00-2266 EA Replace Cylinder With New Cylinder	82.16	
Note: Excludes core.		
For >5, Deduct	-7.02	
08 71 23 00-2267 EA Open Locked Doors.....	70.17	
08 71 23 00-2268 EA Install Owner Furnished Cores And Cylinders	29.57	
08 71 23 00-2269 Mortise Locksets And Latchsets <small>(08 71 23 00-2261)</small> Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2270	EA		Passage/Closet F01 Mortise Latchset Note: Both sides always unlocked. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add 8.35 For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add 7.59 For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add 12.65 For Satin Stainless Steel US32D (BHMA 630) Finish, Add 89.30	311.43	14.61
08 71 23 00-2271	EA		Bath/Bedroom Privacy F02 Mortise Lockset..... Note: Locked with thumb knob inside. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add 10.20 For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add 9.28 For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add 15.46 For Satin Stainless Steel US32D (BHMA 630) Finish, Add 109.14	367.64	14.61
08 71 23 00-2272	EA		Entrance/Office F04 Mortise Lockset..... Note: Locked with key outside and thumb knob inside. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add 11.52 For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add 10.47 For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add 17.45 For Satin Stainless Steel US32D (BHMA 630) Finish, Add 123.18	407.40	14.61
08 71 23 00-2273	EA		Classroom F05 Mortise Lockset Note: Locked with key outside. Inside always unlocked. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add 10.65 For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add 9.68 For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add 16.14 For Satin Stainless Steel US32D (BHMA 630) Finish, Add 113.96 For Security Function (Double Cylinder) With Visual Indicator, Add 39.48	381.28	14.61
08 71 23 00-2274	EA		Storeroom/Closet F07 Mortise Lockset..... Note: Locked with key outside. Inside always unlocked. Fixed outside handle. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add 10.65 For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add 9.68 For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add 16.14 For Satin Stainless Steel US32D (BHMA 630) Finish, Add 113.96	381.28	14.61
08 71 23 00-2275	EA		Entrance F08 Mortise Lockset Note: Locked with key outside and thumb knob inside. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add 12.06 For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add 10.97 For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add 18.28 For Satin Stainless Steel US32D (BHMA 630) Finish, Add 129.06	424.05	14.61
08 71 23 00-2276	EA		Dormitory/Exit F13 Mortise Lockset Note: Locked with key outside and thumb knob inside. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add 10.19 For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add 9.26 For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add 15.44 For Satin Stainless Steel US32D (BHMA 630) Finish, Add 109.01	367.25	14.61
08 71 23 00-2277			Locks And Latches (08 71 23 00-2261)		
08 71 23 00-2278			Preassembled Locks And Latches (08 71 23 00-2277) Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.		
08 71 23 00-2279	EA		Passage/Closet F36 Pre-Assembled Latchset..... Note: Both sides always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add 14.29 For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add 23.82 For Satin Stainless Steel US32D (BHMA 630) Finish, Add 168.17 For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add 88.61 For Grade 2 With Lever Handles, Deduct -185.32 For Grade 2 With Knobs, Deduct -319.19	534.85	14.61
08 71 23 00-2280	EA		Bath/Bedroom Privacy F37 Pre-Assembled Lockset Note: Locked with push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add 15.54 For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add 25.90 For Satin Stainless Steel US32D (BHMA 630) Finish, Add 182.87 For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add 96.36 For Grade 2 With Lever Handles, Deduct -201.52 For Grade 2 With Knobs, Deduct -347.09	576.50	14.61
08 71 23 00-2281	EA		Entrance/Office F41 Pre-Assembled Lockset..... Note: Locked with key outside and push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add 17.78 For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add 29.64 For Satin Stainless Steel US32D (BHMA 630) Finish, Add 209.23 For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add 110.25 For Grade 2 With Lever Handles, Deduct -230.57 For Grade 2 With Knobs, Deduct -397.13	651.18	14.61
08 71 23 00-2282	EA		Classroom F42 Pre-Assembled Lockset..... Note: Locked with key outside. Inside always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add 17.78 For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add 29.64 For Satin Stainless Steel US32D (BHMA 630) Finish, Add 209.23 For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add 110.25 For Grade 2 With Lever Handles, Deduct -230.57 For Grade 2 With Knobs, Deduct -397.13	651.18	14.61

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2283	EA		Storeroom/Closet F44 Pre-Assembled Lockset.....	651.18	14.61
			Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	17.78	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	29.64	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	209.23	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	110.25	
			For Grade 2 With Lever Handles, Deduct	-230.57	
			For Grade 2 With Knobs, Deduct	-397.13	
08 71 23 00-2284			Bored Locks And Latches (08 71 23 00-2277)		
			Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.		
08 71 23 00-2285	EA		Passage/Closet F75 Bored Latchset.....	170.31	14.61
			Note: Both sides always unlocked.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	3.36	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	5.59	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	39.49	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	20.81	
			For Grade 2, Deduct	-5.59	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	2.24	
			For Interchangeable Core, Add	9.45	
08 71 23 00-2286	EA		Bath/Bedroom Privacy F76 Bored Lockset.....	196.99	14.61
			Note: Locked with push button inside.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	4.16	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	6.93	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	48.90	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	25.77	
			For Grade 2, Deduct	-6.93	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	2.77	
			For Interchangeable Core, Add	9.45	
08 71 23 00-2287	EA		Entrance/Office F82 Bored Lockset.....	218.49	14.61
			Note: Locked with key outside and push button inside.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	4.80	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	8.00	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	56.49	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	29.77	
			For Grade 2, Deduct	-8.00	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.20	
			For Interchangeable Core, Add	9.45	
08 71 23 00-2288	EA		Classroom F84 Bored Lockset.....	218.49	14.61
			Note: Locked with key outside. Inside always unlocked.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	4.80	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	8.00	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	56.49	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	29.77	
			For Grade 2, Deduct	-8.00	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.20	
			For Interchangeable Core, Add	9.45	
08 71 23 00-2289	EA		Storeroom/Closet F86 Bored Lockset.....	218.49	14.61
			Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	4.80	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	8.00	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	56.49	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	29.77	
			For Grade 2, Deduct	-8.00	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.20	
			For Interchangeable Core, Add	9.45	
08 71 23 00-2290	EA		Corridor/Dormitory F90 Bored Lockset.....	218.49	14.61
			Note: Locked with key outside and push button inside.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	4.80	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	8.00	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	56.49	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	29.77	
			For Grade 2, Deduct	-8.00	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.20	
			For Interchangeable Core, Add	9.45	
08 71 23 00-2291			Other Locks (08 71 23 00-2261)		
			Note: BHMA A156.5.		
08 71 23 00-2292	EA		Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421.....	520.24	75.99
08 71 23 00-2293	EA		Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461.....	1,192.47	151.97
08 71 23 00-2294			Pushbutton Combination Locks (08 71 23 00-2261)		
08 71 23 00-2295			Mechanical Pushbutton Combination Locks (08 71 23 00-2294)		
			Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.		
08 71 23 00-2296			Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series)		
			(08 71 23 00-2295)		
			Note: Satin chrome or antique brass finish.		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2297	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series).....	445.33	36.95
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 23 00-2298	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series).....	480.33	36.95
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 23 00-2299	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series).....	494.33	36.95
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 23 00-2300	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series).....	529.33	36.95
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 23 00-2301	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series).....	504.83	36.95
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 23 00-2302	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series).....	539.83	36.95
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 23 00-2303	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series).....	553.83	36.95
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 23 00-2304	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series).....	588.83	36.95
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 23 00-2305			Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series)		
			<small>(08 71 23 00-2295)</small> Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.		
08 71 23 00-2306	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	496.43	36.95
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 23 00-2307	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	524.43	36.95
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 23 00-2308	EA		Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	580.43	36.95
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 23 00-2309	EA		Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	601.43	36.95
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 23 00-2310	EA		Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	601.43	36.95
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 23 00-2311	EA		Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	566.43	36.95
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 23 00-2312			Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series)		
			<small>(08 71 23 00-2295)</small> Note: Satin chrome or antique brass finish.		
08 71 23 00-2313	EA		Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	606.33	36.95
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 23 00-2314	EA		Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	627.33	36.95
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 23 00-2315			Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470)		
			<small>(08 71 23 00-2295)</small> Note: Satin stainless, bright brass or antique brass finish.		
08 71 23 00-2316	EA		Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series).....	244.43	36.95
08 71 23 00-2317	EA		Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series).....	336.83	36.95
08 71 23 00-2318			Electrical Pushbutton Combination Locks <small>(08 71 23 00-2294)</small>		
			Note: Privacy option limits access to privileged users (master codes).		
08 71 23 00-2319			Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series) <small>(08 71 23 00-2318)</small>		
			Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.		
08 71 23 00-2320	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	462.83	36.95
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 23 00-2321	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	546.83	36.95
			<i>For Satin Brass Finish, Add</i>	17.50	

08 Openings**08 70 Hardware**

08 71 Door Hardware



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2322	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	567.83	36.95
		<i>For Satin Brass Finish, Add</i>	17.50	
08 71 23 00-2323	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	532.83	36.95
		<i>For Satin Brass Finish, Add</i>	17.50	
08 71 23 00-2324	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	497.83	36.95
		<i>For Satin Brass Finish, Add</i>	17.50	
08 71 23 00-2325	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	567.83	36.95
		<i>For Satin Brass Finish, Add</i>	17.50	
08 71 23 00-2326	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	581.83	36.95
		<i>For Satin Brass Finish, Add</i>	17.50	
08 71 23 00-2327	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	602.83	36.95
		<i>For Satin Brass Finish, Add</i>	17.50	
08 71 23 00-2328	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	567.83	36.95
		<i>For Satin Brass Finish, Add</i>	17.50	
08 71 23 00-2329		Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series) <small>(08 71 23 00-2318)</small> Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.		
08 71 23 00-2330	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	602.83	36.95
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	78.17	
		Note: Excludes momentary contact switch.		
08 71 23 00-2331	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	602.83	36.95
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	78.17	
		Note: Excludes momentary contact switch.		
08 71 23 00-2332		Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series) <small>(08 71 23 00-2318)</small> Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 23 00-2333	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series).....	711.33	36.95
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	78.17	
		Note: Excludes momentary contact switch.		
08 71 23 00-2334	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series).....	711.33	36.95
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	78.17	
		Note: Excludes momentary contact switch.		
08 71 23 00-2335		Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series) <small>(08 71 23 00-2318)</small> Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 23 00-2336	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	767.33	36.95
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	78.17	
		Note: Excludes momentary contact switch.		
08 71 23 00-2337	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	837.33	36.95
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	78.17	
		Note: Excludes momentary contact switch.		
08 71 23 00-2338	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	851.33	36.95
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	78.17	
		Note: Excludes momentary contact switch.		
08 71 23 00-2339	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	872.33	36.95
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	78.17	
		Note: Excludes momentary contact switch.		
08 71 23 00-2340	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	837.33	36.95
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	78.17	
		Note: Excludes momentary contact switch.		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2341 Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series) <small>(08 71 23 00-2318)</small> Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 23 00-2342 EA Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,099.83	36.95
<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
<i>For Remote Unlock, Add</i>	78.17	
<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2343 EA Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,169.83	36.95
<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
<i>For Remote Unlock, Add</i>	78.17	
<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2344 EA Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,183.83	36.95
<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
<i>For Remote Unlock, Add</i>	78.17	
<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2345 EA Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,204.83	36.95
<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
<i>For Remote Unlock, Add</i>	78.17	
<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2346 EA Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,169.83	36.95
<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
<i>For Remote Unlock, Add</i>	78.17	
<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2347 Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series) <small>(08 71 23 00-2318)</small> Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 23 00-2348 EA Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series).....	1,575.83	36.95
<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	35.00	
08 71 23 00-2349 Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series) <small>(08 71 23 00-2318)</small> Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 23 00-2350 EA Twelve Button, Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series).....	977.33	36.95
<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 23 00-2351 Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®) <small>(08 71 23 00-2318)</small>		
08 71 23 00-2352 EA Standard Software Implementation Kit (Kaba® E-Plex®).....	468.26	
08 71 23 00-2353 EA Enterprise Software Implementation Kit (Kaba® E-Plex®).....	608.26	
08 71 23 00-2354 EA E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®).....	818.26	
08 71 23 00-2355 EA USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®).....	237.63	
08 71 23 00-2356 EA High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series).....	73.58	
<i>Note: Includes 4 C-cell battery pack.</i>		
08 71 23 00-2357 EA 12-24 VDC Power Interface Kit (Kaba® E-Plex® E5x00 Series).....	88.28	
08 71 23 00-2358 Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series) <small>(08 71 23 00-2318)</small> Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 23 00-2359 EA Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	585.33	36.95
<i>For Satin Brass Finish, Add</i>	17.50	
<i>For Owner Furnished Material, Deduct</i>	-437.50	
08 71 23 00-2360 EA Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	669.33	36.95
<i>For Satin Brass Finish, Add</i>	17.50	
<i>For Owner Furnished Material, Deduct</i>	-521.50	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2361	EA		Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	690.33	36.95
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-542.50	
08 71 23 00-2362	EA		Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	655.33	36.95
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-507.50	
08 71 23 00-2363	EA		Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	620.33	36.95
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-472.50	
08 71 23 00-2364	EA		Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	690.33	36.95
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-542.50	
08 71 23 00-2365	EA		Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	704.33	36.95
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-556.50	
08 71 23 00-2366	EA		Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	725.33	36.95
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-577.50	
08 71 23 00-2367	EA		Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	690.33	36.95
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-542.50	
08 71 23 00-2368			Electrical Pushbutton Combination Locks (Schlage) <small>(08 71 23 00-2318)</small>		
			Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 23 00-2369	EA		Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D).....	514.58	36.53
			<i>For Owner Furnished Material, Deduct</i>	-368.45	
08 71 23 00-2370	EA		Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D).....	597.29	36.53
			<i>For Owner Furnished Material, Deduct</i>	-451.16	
08 71 23 00-2371	EA		Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626)	675.17	36.53
			<i>For Owner Furnished Material, Deduct</i>	-529.04	
08 71 23 00-2372	EA		Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626).....	884.64	36.53
			<i>For Owner Furnished Material, Deduct</i>	-738.51	
08 71 23 00-2373	EA		Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626).....	967.89	36.53
			<i>For Owner Furnished Material, Deduct</i>	-821.76	
08 71 23 00-2374	EA		Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626)	1,065.65	36.53
			<i>For Owner Furnished Material, Deduct</i>	-919.52	
08 71 23 00-2375	EA		Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626)	978.63	36.53
			<i>For Owner Furnished Material, Deduct</i>	-832.50	
08 71 23 00-2376			Residential Locks And Latchsets <small>(08 71 23 00-2261)</small>		
08 71 23 00-2377	EA		Residential Entry Lockset With Knobs (Master Keyed).....	43.56	8.87
08 71 23 00-2378	EA		Residential Privacy Lockset With Knobs.....	42.65	8.87
08 71 23 00-2379	EA		Residential Passage Lockset With Knobs.....	42.53	8.87
08 71 23 00-2380	EA		Residential Dummy Lockset With Knobs	33.75	7.39
08 71 23 00-2381	EA		Residential Entry Lockset With Levers (Master Keyed)	49.83	8.87
08 71 23 00-2382	EA		Residential Privacy Lockset With Levers	47.74	8.87
08 71 23 00-2383	EA		Residential Passage Lockset With Levers.....	46.24	8.87
08 71 23 00-2384	EA		Residential Dummy Lockset With Levers.....	34.46	7.39
08 71 23 00-2385			Deadbolts <small>(08 71 23 00-2261)</small>		
08 71 23 00-2386			Cylindrical Deadbolts, Grade 1, ANSI 156.5 <small>(08 71 23 00-2385)</small>		
			Note: 2-3/8" or 2-3/4" backset.		
08 71 23 00-2387	EA		Single Cylinder Deadbolt, Key One Side, Knob One Side	107.97	14.61
			Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
			<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 23 00-2388	EA		Double Cylinder Deadbolt, Key Both Sides.....	124.17	14.61
			Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
			<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 23 00-2389			Cylindrical Deadbolts, Grade 2, ANSI 156.5 <small>(08 71 23 00-2385)</small>		
			Note: 2-3/8" or 2-3/4" backset.		
08 71 23 00-2390	EA		Single Cylinder Deadbolt, Key One Side, Knob One Side	96.87	14.61
			Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
			<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2391 EA Double Cylinder Deadbolt, Key Both Sides Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish. <i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	114.57 4.20	14.61
08 71 23 00-2392 Small Case Mortised Deadbolts, Grade 1, ANSI 156.5 <small>(08 71 23 00-2385)</small> Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.		
08 71 23 00-2393 EA Small Case Mortised Deadbolt, Key One Side, Knob One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).	140.05	14.61
08 71 23 00-2394 EA Small Case Mortised Deadbolt, Key Both Sides Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.	155.05	14.61
08 71 23 00-2395 EA Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).	137.05	14.61
08 71 23 00-2396 Mortised Deadbolts, Grade 1, ANSI 156.5 <small>(08 71 23 00-2385)</small> Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.		
08 71 23 00-2397 EA Mortised Deadbolt, Key One Side, Knob One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).	180.85	14.61
08 71 23 00-2398 EA Mortised Deadbolt, Key Both Sides Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.	205.45	14.61
08 71 23 00-2399 EA Mortised Deadbolt, Key One Side, Cover Plate One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).	159.85	14.61
08 71 23 00-2400 Surface Mounted Deadbolts <small>(08 71 23 00-2385)</small>		
08 71 23 00-2401 EA Single Cylinder Surface Mounted Deadbolt Note: Key one side, knob one side, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	72.70 10.50	14.61
08 71 23 00-2402 EA Double Cylinder Surface Mounted Deadbolt Note: Key both sides, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	83.54 10.50	14.61
08 71 23 00-2403 EA Single Cylinder Surface Mounted Interlocking Deadbolt Note: Jimmy proof, key one side, knob one side, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	92.16 10.50	14.61
08 71 23 00-2404 EA Double Cylinder Surface Mounted Interlocking Deadbolt Note: Jimmy proof, key both sides, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	103.00 10.50	14.61
08 71 23 00-2405 Surface Mounted Deadlatches <small>(08 71 23 00-2261)</small>		
08 71 23 00-2406 EA Single Cylinder Surface Mounted Deadlatch Note: Key one side, knob one side, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	73.55 10.50	14.61
08 71 23 00-2407 EA Single Cylinder Surface Mounted Interlocking Deadlatch Note: Jimmy proof, key one side, knob one side, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	92.20 10.50	14.61
08 71 23 00-2408 Electric Strikes <small>(08 71 23 00-2261)</small>		
08 71 23 00-2409 EA Aluminum/Steel Body Electric Strike (Von Duprin 5100)	205.80	29.23
08 71 23 00-2410 EA Stainless Steel Body Electric Strike For Rim Mounted Lock (Von Duprin 6112).....	461.78	29.23
08 71 23 00-2411 EA Stainless Steel Body Electric Strike (Von Duprin 6215).....	487.85	29.23
08 71 23 00-2412 EA Dual Voltage Electric Strike, Stainless Steel Body, 12/24 Volts DC, 3,070 LB Static Strength (HES 1006)	340.27	29.23
08 71 23 00-2413 EA Fire Rated Electric Strike, Stainless Steel Body, 12/24 Volts DC, 3,000 LB Static Strength (HES 4500)	338.24	29.23
08 71 23 00-2414 EA Low Profile Electric Strike, Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 5000).....	163.71	29.23
08 71 23 00-2415 EA Adjustable Electric Strike, Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 5200)	163.71	29.23
08 71 23 00-2416 EA Electric Strike With Preload, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength, Cylindrical Or Rim Exit Device (HES 7000).....	211.12	29.23
08 71 23 00-2417 EA Cylindrical Lock Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 7500).....	378.78	29.23
08 71 23 00-2418 EA Compact Concealed Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 8000)	185.67	29.23
08 71 23 00-2419 EA Fire Rated Compact Concealed Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 8300).....	347.81	29.23
08 71 23 00-2420 EA Fire Rated Concealed Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 8500).....	306.94	29.23
08 71 23 00-2421 EA Slim Line Surface Mounted Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 9400)	364.06	38.58
08 71 23 00-2422 EA Fire Rated Surface Mounted Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength, Rim Exit Device (HES 9500).....	415.03	38.58
08 71 23 00-2423 EA Surface Mounted Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength, Rim Exit Device (HES 9600).....	364.33	38.58
08 71 23 00-2424 Electric Hardware <small>(08 71 23 00-2261)</small>		
08 71 23 00-2425 EA Electrified Cylindrical Lock Option	102.56	
Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.		
08 71 23 00-2426 EA Electrified Mortise Lock Option	119.60	
Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.		
08 71 23 00-2427 EA 24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	61.42	14.61
08 71 23 00-2428 EA 1 Amp At 12/24 Volt DC, Door Hardware Power Supply	199.40	14.61
08 71 23 00-2429 EA 3 Amp At 12 Volt DC, 2 Amp At 24 Volt DC, Door Hardware Power Supply.....	350.47	14.61
08 71 23 00-2430 EA 4.5 Amp At 12 Volt DC, 3 Amp At 24 Volt DC, Door Hardware Power Supply.....	540.05	14.61

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-2431	EA	6 Amp At 12 Volt DC, 4 Amp At 24 Volt DC, Door Hardware Power Supply.....	597.05	14.61
08 71 23 00-2432	EA	9 Amp At 12 Volt DC, 6 Amp At 24 Volt DC, Door Hardware Power Supply.....	714.05	14.61
08 71 23 00-2433	EA	15 Amp At 12 Volt DC, 10 Amp At 24 Volt DC, Door Hardware Power Supply.....	867.34	14.61
08 71 23 00-2434	EA	18" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	51.50	14.61
08 71 23 00-2435	EA	24" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	52.67	14.61
08 71 23 00-2436	EA	30" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	59.85	14.61
08 71 23 00-2437	EA	45" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	61.27	14.61
08 71 23 00-2438	EA	60" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	62.00	14.61
08 71 23 00-2439	EA	72" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	66.12	14.61
08 71 23 00-2440	EA	12" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	52.25	14.61
08 71 23 00-2441	EA	18" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	58.00	14.61
08 71 23 00-2442	EA	36" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	62.56	14.61
08 71 23 00-2443	EA	49" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	70.43	14.61
08 71 23 00-2444	EA	60" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	72.62	14.61
08 71 23 00-2445	EA	12" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	59.44	14.61
08 71 23 00-2446	EA	18" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	67.49	14.61
08 71 23 00-2447	EA	18" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	40.30	14.61
08 71 23 00-2448	EA	24" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	46.53	14.61
08 71 23 00-2449	EA	30" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	49.83	14.61
08 71 23 00-2450	EA	36" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	53.36	14.61
08 71 23 00-2451	EA	60" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	71.71	14.61
08 71 23 00-2452	EA	72" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	79.38	14.61
08 71 23 00-2453	EA	12" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	42.85	14.61
08 71 23 00-2454	EA	18" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	45.25	14.61
08 71 23 00-2455	EA	24" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	52.41	14.61
08 71 23 00-2456	EA	36" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	63.79	14.61
08 71 23 00-2457	EA	48" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	73.98	14.61
08 71 23 00-2458	EA	60" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	90.70	14.61
08 71 23 00-2459	EA	12" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	46.85	14.61
08 71 23 00-2460	EA	18" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	50.54	14.61
08 71 23 00-2461	EA	Two 18 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer.....	369.65	14.61
08 71 23 00-2462	EA	Ten 24 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer.....	401.41	20.46

08 71 23 00-2463 Magnetic Locks (08 71 23 00-2261)

08 71 23 00-2464	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40).....	421.57	70.14
08 71 23 00-2465	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ).....	507.67	78.91
08 71 23 00-2466	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70).....	497.29	70.14
08 71 23 00-2467	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ).....	583.24	78.91
08 71 23 00-2468	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420).....	519.55	75.99
08 71 23 00-2469	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450).....	571.48	75.99
08 71 23 00-2470	EA	Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490P).....	611.91	75.99
08 71 23 00-2471	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P).....	670.75	87.68
Note: Includes magnetic bond sensor, door position switch and relock time delay.				
08 71 23 00-2472	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P).....	739.79	87.68
Note: Includes magnetic bond sensor, door position switch and relock time delay.				
08 71 23 00-2473	EA	Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490P).....	770.89	87.68
Note: Includes magnetic bond sensor, door position switch and relock time delay.				
08 71 23 00-2474	EA	2 Amp Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902).....	229.88	29.23
08 71 23 00-2475	EA	4 Amp Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904).....	384.98	29.23
08 71 23 00-2476	EA	6 Amp Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906).....	465.59	29.23

08 71 23 00-2477 Door Coordinators (08 71 23)

08 71 23 00-2478	EA	32" COR Series Door Coordinator.....	260.03	18.27
Note: Satin chrome finish. Includes two mounting brackets.				
			-74.78	
08 71 23 00-2479	EA	42" COR Series Door Coordinator.....	273.16	18.99
Note: Satin chrome finish. Includes two mounting brackets.				
			-78.87	
08 71 23 00-2480	EA	52" COR Series Door Coordinator.....	279.53	19.73
Note: Satin chrome finish. Includes two mounting brackets.				
			-80.25	
08 71 23 00-2481	EA	60" COR Series Door Coordinator.....	291.75	20.46
Note: Satin chrome finish. Includes two mounting brackets.				
			-83.96	
08 71 23 00-2482	EA	72" COR Series Door Coordinator.....	313.13	21.19
Note: Satin chrome finish. Includes two mounting brackets.				
			-91.35	
08 71 23 00-2483	EA	Up To 20" Filler Bar For Door Coordinator.....	60.51	5.84
For Anodized Aluminum Finish, Deduct				
			-14.85	
08 71 23 00-2484	EA	Up To 32" Filler Bar For Door Coordinator.....	66.57	6.58
For Anodized Aluminum Finish, Deduct				
			-16.11	
08 71 23 00-2485	EA	Up To 44" Filler Bar For Door Coordinator.....	76.61	7.31
For Anodized Aluminum Finish, Deduct				
			-18.95	
08 71 23 00-2486	EA	CB1 Carry Bar For Door Coordinator.....	55.62	7.31
For Anodized Aluminum Finish, Deduct				
			-10.56	
08 71 23 00-2487	EA	7" Projection COR Series Gravity Type Door Coordinator.....	82.13	10.96
For Anodized Aluminum Finish, Deduct				
			-15.32	
08 71 23 00-2488	EA	9" Projection COR Series Gravity Type Door Coordinator.....	88.26	10.96
For Anodized Aluminum Finish, Deduct				
			-17.77	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2489	Removal And Reinstallation Of Door Hardware (08 71 23)	
Note: Includes storage and cleaning.		
08 71 23 00-2490 EA Removal And Reinstallation Of Door Lockset, Entrance.....	43.84	
08 71 23 00-2491 EA Removal And Reinstallation Of Door Lockset, Mortise	70.14	
08 71 23 00-2492 EA Removal And Reinstallation Of Deadbolt Lock	46.77	
08 71 23 00-2493 PR Removal And Reinstallation Of Butts/Hinges.....	11.69	
08 71 23 00-2494 EA Removal And Reinstallation Of Door Bumper.....	4.09	
08 71 23 00-2495 EA Removal And Reinstallation Of Surface Mounted Panic Device	116.90	
08 71 23 00-2496 EA Removal And Reinstallation Of Kick Plate	14.61	
08 71 23 00-2497 EA Removal And Reinstallation Of Push Plate.....	11.69	
08 71 23 00-2498 EA Removal And Reinstallation Of Surface Mounted Door Closer Or Holder	58.45	
08 71 23 00-2499 EA Removal And Reinstallation Of Door Handles	8.77	
08 71 23 00-2500	Electromagnetic Door Release (08 71 23)	
08 71 23 00-2501 EA Electro-Magnetic Door Release, Wall Mount, Surface 120 Volt AC, 24 Volt AC/DC, 12 Volt DC	303.43	36.83
08 71 23 00-2502 EA Electro-Magnetic Door Release, Wall Mount, Recessed 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	295.81	36.83
08 71 23 00-2503 EA Electro-Magnetic Door Release, Wall Mount, Recessed, Adjustable 120 Volt AC, 24 Volt AC/DC, 12 Volt DC	334.21	36.83
08 71 23 00-2504 EA Electro-Magnetic Door Release, Wall Mount, Surface Or Recessed, High Hold 24 Volt AC/DC	560.92	36.83
08 71 23 00-2505 EA Electro-Magnetic Door Release, Sliding Door 24 Volt DC	540.70	36.83
08 71 23 00-2506 EA Electro-Magnetic Door Release, Overhead Door 120 Volt AC, 24 Volt AC/DC, 12 Volt DC	540.70	36.83
08 71 23 00-2507 EA Electro-Magnetic Door Release, Floor Mount, Single Door 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	491.26	36.83
08 71 23 00-2508 EA Electro-Magnetic Door Release, Floor Mount, Back-to-Back Door 120 Volt AC, 24 Volt AC/DC, 12 Volt DC	616.27	36.83
08 71 23 00-2509 EA Photo Electric Smoke Detector Suitable For Door Holder Release	584.25	36.83
08 71 23 00-2510 EA Ionization Type Smoke Detector Suitable For Door Holder Release	724.89	36.83
08 71 33	Weatherstripping And Seals (08 71)	
08 71 33 00-0001	Weather-Stripping And Seals (08 71 33)	
08 71 33 00-0002	Astragals (08 71 33 00-0001)	
Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.		
08 71 33 00-0003	Adhesive Backed Astragals (08 71 33 00-0002)	
08 71 33 00-0004 LF 7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771).....	3.12	0.43
08 71 33 00-0005 LF 1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772)	3.52	0.43
08 71 33 00-0006 LF 1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110).....	2.61	0.43
08 71 33 00-0007	Overlapping Astragals (08 71 33 00-0002)	
08 71 33 00-0008	Aluminum, Overlapping Astragals (08 71 33 00-0007)	
08 71 33 00-0009 LF 2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C).....	11.79	2.63
<i>For Color Anodized Finish, Add</i>		
	1.98	
08 71 33 00-0010	Stainless Steel, Overlapping Astragals (08 71 33 00-0007)	
08 71 33 00-0011 LF 2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS).....	25.87	2.63
08 71 33 00-0012	"T" Astragals (08 71 33 00-0002)	
08 71 33 00-0013	Aluminum, "T" Astragals (08 71 33 00-0012)	
08 71 33 00-0014 LF 1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A).....	6.97	2.63
<i>For Color Anodized Finish, Add</i>		
	0.62	
08 71 33 00-0015 LF Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV).....	9.28	2.63
<i>For Color Anodized Finish, Add</i>		
	0.82	
08 71 33 00-0016 LF Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP)	9.65	2.63
<i>For Color Anodized Finish, Add</i>		
	1.56	
<i>For Silicone Insert, Add</i>		
	0.63	
08 71 33 00-0017 LF Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR)	19.56	2.63
<i>For Color Anodized Finish, Add</i>		
	5.03	
08 71 33 00-0018	Brass/Bronze, "T" Astragals (08 71 33 00-0012)	
08 71 33 00-0019 LF Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP).....	47.69	2.63
<i>For Silicone Insert, Add</i>		
	0.63	
08 71 33 00-0020	Locking Astragals (08 71 33 00-0002)	
08 71 33 00-0021	Outswing Locking Astragals (08 71 33 00-0020)	
Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.		
08 71 33 00-0022	Aluminum, Outswing Locking Astragals (08 71 33 00-0021)	
08 71 33 00-0023 LF Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS).....	26.86	2.63
Note: Includes pile seal at inner door edge and neoprene bottom seal.		
	4.33	
<i>For Color Anodized Finish, Add</i>		

08 Openings**08 70 Hardware**

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 33 00-0024	LF		Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS).....	31.51	2.63
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			<i>For Color Anodized Finish, Add</i>	5.26	
08 71 33 00-0025	LF		Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ).....	30.39	2.63
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			<i>For Thermal Break, Add</i>	1.51	
08 71 33 00-0026	LF		Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ).....	34.16	2.63
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			<i>For Thermal Break, Add</i>	1.74	
08 71 33 00-0027			Inswing Locking Astragals (08 71 33 00-0020)		
			Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.		
08 71 33 00-0028			Wood, Inswing Locking Astragals (08 71 33 00-0027)		
08 71 33 00-0029	LF		Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832).....	31.80	2.63
08 71 33 00-0030	LF		Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q).....	31.63	2.63
			Note: Includes kerf-in foam seal.		
08 71 33 00-0031			Aluminum, Inswing Locking Astragals (08 71 33 00-0027)		
08 71 33 00-0032	LF		Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV).....	17.13	2.63
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			<i>For Silicone Insert, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	2.39	
08 71 33 00-0033	LF		Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV).....	21.01	2.63
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			<i>For Silicone Insert, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	3.16	
08 71 33 00-0034	LF		Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ).....	18.60	2.63
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			<i>For Magnetic Kerf-In Insert, Add</i>	0.47	
			<i>For Color Anodized Finish, Add</i>	2.68	
08 71 33 00-0035	LF		Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ).....	22.44	2.63
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			<i>For Magnetic Kerf-In Insert, Add</i>	0.47	
			<i>For Color Anodized Finish, Add</i>	3.45	
08 71 33 00-0036			Security Astragals (08 71 33 00-0002)		
08 71 33 00-0037	LF		Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C).....	15.83	2.63
			<i>For Color Anodized Finish, Add</i>	10.64	
08 71 33 00-0038	LF		2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP).....	28.06	2.63
08 71 33 00-0039			Meeting Stile Astragals (08 71 33 00-0002)		
08 71 33 00-0040			One Piece, Meeting Stile Astragals (08 71 33 00-0039)		
			Note: Includes an astragal for one door only.		
08 71 33 00-0041	LF		1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP).....	9.15	2.63
			<i>For Color Anodized Finish, Add</i>	1.19	
08 71 33 00-0042	LF		1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN).....	14.41	3.91
			<i>For Color Anodized Finish, Add</i>	2.64	
08 71 33 00-0043	LF		9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN).....	20.15	3.91
			<i>For Color Anodized Finish, Add</i>	1.23	
08 71 33 00-0044	LF		15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN).....	20.89	3.91
			<i>For Color Anodized Finish, Add</i>	3.27	
08 71 33 00-0045	LF		1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71).....	26.98	3.91
08 71 33 00-0046			Two Piece, Meeting Stile Split Astragals (08 71 33 00-0039)		
			Note: Includes one astragal for each door.		
08 71 33 00-0047	LF		1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV).....	10.85	3.91
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	3.04	
08 71 33 00-0048	LF		1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV).....	10.85	3.91
			<i>For Color Anodized Finish, Add</i>	3.04	
08 71 33 00-0049	LF		1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV).....	10.85	3.91
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	3.04	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 33 00-0050	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN).....	18.90	3.91
			<i>For Silicone Insert, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	2.22	
08 71 33 00-0051	LF		3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB).....	14.94	3.91
			<i>For Color Anodized Finish, Add</i>	2.85	
08 71 33 00-0052	LF		5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB).....	15.47	3.91
			<i>For Color Anodized Finish, Add</i>	3.06	
08 71 33 00-0053	LF		3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV).....	19.43	3.91
			<i>For Color Anodized Finish, Add</i>	5.81	
			<i>For Silicone Insert, Add</i>	0.95	
08 71 33 00-0054	LF		3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB).....	19.95	3.91
			<i>For Color Anodized Finish, Add</i>	4.86	
08 71 33 00-0055	LF		5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB).....	20.48	3.91
			<i>For Color Anodized Finish, Add</i>	5.07	
08 71 33 00-0056			Two Piece, Adjustable Meeting Stile Split Astragals (08 71 33 00-0039) Note: Includes one astragal for each door.		
08 71 33 00-0057			Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (08 71 33 00-0056)		
08 71 33 00-0058	LF		3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP).....	39.23	3.91
			<i>For Color Anodized Finish, Add</i>	7.86	
			<i>For Silicone Insert, Add</i>	0.63	
08 71 33 00-0059	LF		3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP).....	40.06	3.91
			<i>For Silicone Insert, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	6.45	
08 71 33 00-0060			Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (08 71 33 00-0056)		
08 71 33 00-0061	LF		3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP).....	151.77	3.91
			<i>For Silicone Insert, Add</i>	0.63	
08 71 33 00-0062	LF		3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP).....	141.70	3.91
			<i>For Silicone Insert, Add</i>	0.63	
08 71 33 00-0063			Door Sweeps (08 71 33 00-0001)		
08 71 33 00-0064			Tack On Door Sweeps (08 71 33 00-0063)		
08 71 33 00-0065	LF		For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365).....	3.85	1.46
08 71 33 00-0066	LF		For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364).....	3.93	1.46
08 71 33 00-0067	LF		For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V).....	4.16	1.46
08 71 33 00-0068			Aluminum Retainer Door Sweeps (08 71 33 00-0063)		
08 71 33 00-0069			35 Degree, Aluminum Retainer Door Sweeps (08 71 33 00-0068) Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.		
08 71 33 00-0070	LF		5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB).....	9.67	2.92
			<i>For Color Anodized Finish, Add</i>	1.53	
08 71 33 00-0071	LF		1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB).....	10.06	2.92
			<i>For Color Anodized Finish, Add</i>	1.48	
08 71 33 00-0072			45 Degree, Aluminum Retainer Door Sweeps (08 71 33 00-0068) Note: The retainer mounts to the door face with the sweep positioned 45 degrees from the door. Includes clear anodized finish.		
08 71 33 00-0073	LF		1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB).....	16.40	2.92
			<i>For Color Anodized Finish, Add</i>	4.22	
08 71 33 00-0074	LF		2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB).....	17.98	2.92
			<i>For Color Anodized Finish, Add</i>	4.86	
08 71 33 00-0075	LF		4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB).....	21.42	2.92
			<i>For Color Anodized Finish, Add</i>	6.23	
08 71 33 00-0076			90 Degree, Aluminum Retainer Door Sweeps (08 71 33 00-0068) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 71 33 00-0077	LF		3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB).....	10.99	2.92
			<i>For Color Anodized Finish, Add</i>	0.52	
08 71 33 00-0078	LF		5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB).....	10.86	2.92
			<i>For Color Anodized Finish, Add</i>	0.50	
08 71 33 00-0079	LF		1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB).....	11.78	2.92
			<i>For Color Anodized Finish, Add</i>	2.08	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 33 00-0080	LF		1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB) <i>For Color Anodized Finish, Add</i>	12.18 2.54	2.92
08 71 33 00-0081	LF		7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN)..... <i>For Color Anodized Finish, Add</i>	10.59 1.19	2.92
08 71 33 00-0082	LF		11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN)..... <i>For Color Anodized Finish, Add</i>	14.29 1.69	2.92
08 71 33 00-0083	LF		15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN)..... <i>For Color Anodized Finish, Add</i>	11.38 1.11	2.92
08 71 33 00-0084	LF		9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV) Note: Includes mill finish. <i>For Color Anodized Finish, Add</i>	7.92 1.04	2.92
08 71 33 00-0085	LF		1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV) Note: Includes mill finish. <i>For Color Anodized Finish, Add</i>	8.02 1.09	2.92
08 71 33 00-0086	LF		1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV)..... Note: Includes mill finish. <i>For Color Anodized Finish, Add</i>	9.14 1.16	2.92
08 71 33 00-0087			180 Degree, Aluminum Retainer Door Sweeps (08 71 33 00-0068) Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 71 33 00-0088			180 Degree, Aluminum Retainer Door Sweeps (08 71 33 00-0087)		
08 71 33 00-0089	LF		3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB)..... <i>For Color Anodized Finish, Add</i>	9.40 1.42	2.92
08 71 33 00-0090	LF		5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB)..... <i>For Color Anodized Finish, Add</i>	9.67 1.53	2.92
08 71 33 00-0091	LF		1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB)..... <i>For Color Anodized Finish, Add</i>	11.78 2.08	2.92
08 71 33 00-0092			180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps (08 71 33 00-0087)		
08 71 33 00-0093	LF		3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB)..... <i>For Color Anodized Finish, Add</i>	11.91 2.43	2.92
08 71 33 00-0094	LF		5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB)..... <i>For Color Anodized Finish, Add</i>	12.18 2.54	2.92
08 71 33 00-0095	LF		1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB)..... <i>For Color Anodized Finish, Add</i>	13.29 2.98	2.92
08 71 33 00-0096			Mortised, Aluminum Retainer Door Sweeps (08 71 33 00-0068) Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 71 33 00-0097	LF		1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB) <i>For Color Anodized Finish, Add</i>	8.22 1.48	2.92
08 71 33 00-0098	LF		13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB)..... <i>For Color Anodized Finish, Add</i>	8.22 1.53	2.92
08 71 33 00-0099	LF		5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB)..... Note: Includes clear anodized finish. <i>For Color Anodized Finish, Add</i>	8.35 1.02	2.92
08 71 33 00-0100			Aluminum Retainer Door Sweeps With Rain Drip (08 71 33 00-0063)		
08 71 33 00-0101			90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (08 71 33 00-0100) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		
08 71 33 00-0102	LF		1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV) <i>For Color Anodized Finish, Add</i>	7.95 1.48	2.92
08 71 33 00-0103	LF		1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV) <i>For Color Anodized Finish, Add</i>	9.67 1.53	2.92
08 71 33 00-0104	LF		3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB)..... Note: Includes clear anodized finish. <i>For Color Anodized Finish, Add</i>	10.96 1.02	2.92
08 71 33 00-0105	LF		7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB) <i>For Color Anodized Finish, Add</i>	11.19 1.07	2.92
08 71 33 00-0106			Brass/Bronze Retainer Door Sweeps (08 71 33 00-0063)		
08 71 33 00-0107			90 Degree, Brass/Bronze Retainer Door Sweeps (08 71 33 00-0106) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 71 33 00-0108	LF		7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN) <i>For Color Anodized Finish, Add</i>	13.76 1.07	2.92
08 71 33 00-0109			Oak Retainer Door Sweeps (08 71 33 00-0063)		
08 71 33 00-0110			90 Degree, Oak Retainer Door Sweeps (08 71 33 00-0109) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 71 33 00-0111	LF		9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB) <i>For Color Anodized Finish, Add</i>	10.72 1.07	2.92
08 71 33 00-0112	LF		15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB) <i>For Color Anodized Finish, Add</i>	12.81 1.07	2.92
08 71 33 00-0113			Door Shoes And Bottoms (08 71 33 00-0001)		
08 71 33 00-0114			Door Shoes (08 71 33 00-0113)		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 33 00-0115 Aluminum Retainer Door Shoes <small>(08 71 33 00-0114)</small>		
08 71 33 00-0116 Bottom Mount, Aluminum Retainer Door Shoes <small>(08 71 33 00-0115)</small>		
08 71 33 00-0117 LF Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV).....	9.01	2.92
For Color Anodized Finish, Add	1.27	
For Thermo-Plastic Elastomer Insert, Add	0.68	
08 71 33 00-0118 LF Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV).....	9.40	2.92
For Color Anodized Finish, Add	1.42	
08 71 33 00-0119 LF Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV)	13.23	2.92
For Color Anodized Finish, Add	1.48	
08 71 33 00-0120 Side Mount, Aluminum Retainer Door Shoes <small>(08 71 33 00-0115)</small>		
08 71 33 00-0121 LF Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV).....	10.72	2.92
For Color Anodized Finish, Add	1.95	
For Thermo-Plastic Elastomer Insert, Add	0.68	
08 71 33 00-0122 L Or U Shaped, Aluminum Retainer Door Shoes <small>(08 71 33 00-0115)</small>		
08 71 33 00-0123 LF Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV)	9.67	2.92
For Color Anodized Finish, Add	1.92	
For Thermo-Plastic Elastomer Insert, Add	0.42	
08 71 33 00-0124 LF Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV).....	10.46	2.92
For Color Anodized Finish, Add	1.85	
For Thermo-Plastic Elastomer Insert, Add	0.42	
08 71 33 00-0125 LF Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV).....	10.72	2.92
For Color Anodized Finish, Add	1.95	
For Thermo-Plastic Elastomer Insert, Add	0.42	
08 71 33 00-0126 LF Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV)	16.09	2.92
For Color Anodized Finish, Add	2.05	
08 71 33 00-0127 LF Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV)	16.36	2.92
For Color Anodized Finish, Add	2.10	
08 71 33 00-0128 L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes <small>(08 71 33 00-0115)</small>		
08 71 33 00-0129 LF Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV)	9.93	2.92
For Color Anodized Finish, Add	2.05	
For Thermo-Plastic Elastomer Insert, Add	0.42	
08 71 33 00-0130 LF Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV).....	10.72	2.92
For Color Anodized Finish, Add	1.95	
For Thermo-Plastic Elastomer Insert, Add	0.42	
08 71 33 00-0131 LF Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV).....	10.86	2.92
For Color Anodized Finish, Add	2.01	
For Thermo-Plastic Elastomer Insert, Add	0.42	
08 71 33 00-0132 Vinyl Door Shoes <small>(08 71 33 00-0114)</small>		
08 71 33 00-0133 LF 1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80).....	12.51	2.92
08 71 33 00-0134 LF 1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV).....	15.52	2.92
08 71 33 00-0135 Door Bottoms <small>(08 71 33 00-0113)</small>		
08 71 33 00-0136 Automatic Door Bottoms <small>(08 71 33 00-0135)</small>		
08 71 33 00-0137 Aluminum Automatic Door Bottoms <small>(08 71 33 00-0136)</small>		
08 71 33 00-0138 LF Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL).....	23.22	2.92
For Color Anodized Finish, Add	3.48	
08 71 33 00-0139 LF Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL).....	34.11	2.92
For Color Anodized Finish, Add	5.65	
08 71 33 00-0140 Door Top Protection <small>(08 71 33 00-0001)</small>		
08 71 33 00-0141 LF Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343).....	7.56	2.34
For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	0.79	
08 71 33 00-0142 LF Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344).....	7.56	2.34
For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	0.79	
08 71 33 00-0143 LF 2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C)	9.09	2.34
For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	1.21	
08 71 33 00-0144 EA For 20 Oz Copper Drip Cap For Exterior Door.....	90.61	
08 71 33 00-0145 Perimeter Gasketing Weather-Strip <small>(08 71 33 00-0001)</small>		
Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 71 33 00-0146 Adhesive Backed Perimeter Gasketing Weather-Strip <small>(08 71 33 00-0145)</small>		
08 71 33 00-0147 LF 3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33)	2.39	1.46
For Intumescent Seal, Add	1.50	
08 71 33 00-0148 LF 1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55)	2.43	1.46
For Intumescent Seal, Add	1.50	
08 71 33 00-0149 LF 1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88).....	3.00	1.46

08 Openings**08 70 Hardware**

08 71 Door Hardware



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 33 00-0150	LF	7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44)	2.68	1.46
08 71 33 00-0151	LF	5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77)	3.70	1.46
		<i>For Intumescent Seal, Add</i>	1.50	
08 71 33 00-0152	LF	1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773)	3.40	1.46
		<i>For Intumescent Seal, Add</i>	1.50	
08 71 33 00-0153	LF	7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44)	4.67	1.46
08 71 33 00-0154	LF	1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88)	4.27	1.46
08 71 33 00-0155		Kerf-In Perimeter Gasketing Weather-Strip <small>(08 71 33 00-0145)</small>		
08 71 33 00-0156	LF	3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50)	2.07	1.46
08 71 33 00-0157	LF	7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52)	3.37	1.46
08 71 33 00-0158	LF	3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103)	2.39	1.46
08 71 33 00-0159	LF	5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102)	2.35	1.46
08 71 33 00-0160	LF	3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349)	3.23	1.46
08 71 33 00-0161		Cushion/Spring Perimeter Gasketing Weather-Strip <small>(08 71 33 00-0145)</small>		
08 71 33 00-0162		Spring Bronze Perimeter Gasketing Weather-Strip <small>(08 71 33 00-0161)</small>		
08 71 33 00-0163	LF	1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C)	5.67	1.46
08 71 33 00-0164	LF	1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D)	5.67	1.46
08 71 33 00-0165	LF	1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E)	6.22	1.46
08 71 33 00-0166	LF	1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F)	6.33	1.46
08 71 33 00-0167		Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip <small>(08 71 33 00-0161)</small>		
08 71 33 00-0168	LF	5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73)	5.37	1.46
08 71 33 00-0169	LF	7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74)	6.22	1.46
08 71 33 00-0170	LF	1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75)	7.14	1.46
08 71 33 00-0171		Aluminum Retainer, Perimeter Gasketing Weather-Strip <small>(08 71 33 00-0145)</small>		
08 71 33 00-0172		Aluminum Retainer, Perimeter Gasketing Weather-Strip <small>(08 71 33 00-0171)</small>		
08 71 33 00-0173	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV)	4.44	1.46
		<i>For Silicone Insert, Add</i>	0.95	
		<i>For Color Anodized Finish, Add</i>	1.52	
08 71 33 00-0174	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV)	4.44	1.46
		<i>For Silicone Insert, Add</i>	0.95	
		<i>For Color Anodized Finish, Add</i>	1.52	
08 71 33 00-0175	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV)	4.44	1.46
		<i>For Silicone Insert, Add</i>	0.95	
		<i>For Color Anodized Finish, Add</i>	1.52	
08 71 33 00-0176	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN)	8.46	1.46
		<i>For Silicone Insert, Add</i>	0.63	
		<i>For Color Anodized Finish, Add</i>	1.11	
08 71 33 00-0177	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV)	8.73	1.46
		<i>For Color Anodized Finish, Add</i>	2.91	
		<i>For Silicone Insert, Add</i>	0.95	
08 71 33 00-0178	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR)	8.73	1.46
		<i>For Color Anodized Finish, Add</i>	2.03	
08 71 33 00-0179		Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip <small>(08 71 33 00-0171)</small>		
08 71 33 00-0180		Standard Jamb, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip <small>(08 71 33 00-0179)</small>		
08 71 33 00-0181	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV)	8.27	1.46
		<i>For Silicone Insert, Add</i>	0.95	
08 71 33 00-0182		Head Section, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip <small>(08 71 33 00-0179)</small>		
08 71 33 00-0183	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV)	9.31	1.46
08 71 33 00-0184		Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip <small>(08 71 33 00-0145)</small>		
08 71 33 00-0185		Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip <small>(08 71 33 00-0184)</small>		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 33 00-0186	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR) 19.42	19.42	1.46
			<i>For Silicone Insert, Add</i> 1.58	1.58	
08 71 33 00-0187	LF		Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR) 34.20	34.20	1.46
08 71 33 00-0188			Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 71 33 00-0184)		
08 71 33 00-0189			Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 71 33 00-0188)		
08 71 33 00-0190	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV) 29.29	29.29	1.46
			<i>For Silicone Insert, Add</i> 0.63	0.63	
08 71 33 00-0191			Aluminum Interlock, Perimeter Gasketing Weather-Strip (08 71 33 00-0145)		
08 71 33 00-0192	LF		Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A) 11.31	11.31	2.92
			Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.		
			<i>For Color Anodized Finish, Add</i> 2.19	2.19	
08 71 33 00-0193	LF		Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR) 11.77	11.77	2.92
			Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.		
			<i>For Color Anodized Finish, Add</i> 2.37	2.37	
08 71 33 00-0194			Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 71 33 00-0145)		
			Note: Seals gaps from 1/16" to 1/4".		
08 71 33 00-0195	LF		Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR) 15.93	15.93	1.46
			<i>For Color Anodized Finish, Add</i> 2.60	2.60	
08 71 33 00-0196	LF		Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR) 16.86	16.86	1.46
			<i>For Color Anodized Finish, Add</i> 2.79	2.79	
08 71 43			Thresholds (08 71)		
08 71 43 00-0001			Thresholds (08 71 43)		
			Note: Includes material, fasteners, installation, caulk and sealants.		
08 71 43 00-0002			Metal Thresholds (08 71 43 00-0001)		
08 71 43 00-0003			Saddle Thresholds (08 71 43 00-0002)		
08 71 43 00-0004			Aluminum Saddle Thresholds (08 71 43 00-0003)		
			Note: Includes mill finish.		
08 71 43 00-0005			3/16" Height, Aluminum Saddle Thresholds (08 71 43 00-0004)		
08 71 43 00-0006	LF		2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A) 16.70	16.70	4.67
			<i>For Color Anodized Finish, Add</i> 2.01	2.01	
08 71 43 00-0007			1/4" Height, Aluminum Saddle Thresholds (08 71 43 00-0004)		
08 71 43 00-0008	LF		3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A) 18.94	18.94	4.67
			<i>For Color Anodized Finish, Add</i> 2.90	2.90	
08 71 43 00-0009	LF		4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A) 21.73	21.73	5.84
			<i>For Color Anodized Finish, Add</i> 4.99	4.99	
08 71 43 00-0010	LF		5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A) 24.25	24.25	5.84
			<i>For Color Anodized Finish, Add</i> 4.83	4.83	
08 71 43 00-0011	LF		6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A) 27.27	27.27	5.84
			<i>For Color Anodized Finish, Add</i> 4.43	4.43	
08 71 43 00-0012	LF		7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A) 31.76	31.76	5.84
			<i>For Color Anodized Finish, Add</i> 4.29	4.29	
08 71 43 00-0013	LF		8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A) 38.12	38.12	7.01
			<i>For Color Anodized Finish, Add</i> 5.15	5.15	
08 71 43 00-0014	LF		9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A) 41.16	41.16	7.01
			<i>For Color Anodized Finish, Add</i> 5.91	5.91	
08 71 43 00-0015	LF		10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A) 46.00	46.00	7.01
			<i>For Color Anodized Finish, Add</i> 7.12	7.12	
08 71 43 00-0016			5/16" Height, Aluminum Saddle Thresholds (08 71 43 00-0004)		
08 71 43 00-0017	LF		2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A) 18.55	18.55	4.67
			<i>For Color Anodized Finish, Add</i> 2.40	2.40	
08 71 43 00-0018			1/2" Height, Aluminum Saddle Thresholds (08 71 43 00-0004)		
08 71 43 00-0019	LF		3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A) 18.69	18.69	4.67
			<i>For Color Anodized Finish, Add</i> 3.50	3.50	
08 71 43 00-0020	LF		4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A) 22.78	22.78	5.84
			<i>For Color Anodized Finish, Add</i> 5.73	5.73	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 71 43 00-0021	LF	5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A)	25.36		5.84
		<i>For Color Anodized Finish, Add</i>	5.38		
08 71 43 00-0022	LF	6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A)	27.54		5.84
		<i>For Color Anodized Finish, Add</i>	4.53		
08 71 43 00-0023	LF	7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A)	31.76		5.84
		<i>For Color Anodized Finish, Add</i>	4.29		
08 71 43 00-0024	LF	8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A)	39.71		7.01
		<i>For Color Anodized Finish, Add</i>	7.76		
08 71 43 00-0025	LF	9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A)	42.48		7.01
		<i>For Color Anodized Finish, Add</i>	9.98		
08 71 43 00-0026	LF	10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A)	45.25		7.01
		<i>For Color Anodized Finish, Add</i>	11.09		
08 71 43 00-0027		Brass/Bronze Saddle Thresholds (08 71 43 00-0003)			
08 71 43 00-0028		3/16" Height, Brass/Bronze Saddle Thresholds (08 71 43 00-0027)			
08 71 43 00-0029	LF	2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B)	56.57		4.67
08 71 43 00-0030		1/4" Height, Brass/Bronze Saddle Thresholds (08 71 43 00-0027)			
08 71 43 00-0031	LF	3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B)	90.89		4.67
08 71 43 00-0032	LF	4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B)	109.64		5.84
08 71 43 00-0033	LF	5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B)	133.40		5.84
08 71 43 00-0034	LF	6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B)	156.50		5.84
08 71 43 00-0035	LF	7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B)	182.90		5.84
08 71 43 00-0036	LF	8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B)	235.33		7.01
08 71 43 00-0037		1/2" Height, Brass/Bronze Saddle Thresholds (08 71 43 00-0027)			
08 71 43 00-0038	LF	4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B)	120.20		5.84
08 71 43 00-0039	LF	5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B)	146.60		5.84
08 71 43 00-0040	LF	6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B)	173.00		5.84
08 71 43 00-0041	LF	7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B)	206.00		5.84
08 71 43 00-0042	LF	8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B)	293.63		7.01
08 71 43 00-0043	LF	10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B)	278.49		7.01
08 71 43 00-0044		Stainless Steel Saddle Thresholds (08 71 43 00-0003)			
08 71 43 00-0045		1/2" Height, Stainless Steel Saddle Thresholds (08 71 43 00-0044)			
08 71 43 00-0046	LF	4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS)	100.40		5.84
08 71 43 00-0047	LF	5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS)	107.00		5.84
08 71 43 00-0048		Half Saddle Thresholds (08 71 43 00-0002)			
08 71 43 00-0049		Aluminum Half Saddle Thresholds (08 71 43 00-0048)			
		Note: Includes mill finish.			
08 71 43 00-0050		3/4" Height, Aluminum Half Saddle Thresholds (08 71 43 00-0049)			
08 71 43 00-0051	LF	5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A)	27.84		5.84
		<i>For Color Anodized Finish, Add</i>	5.30		
08 71 43 00-0052	LF	7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A)	37.44		5.84
		<i>For Color Anodized Finish, Add</i>	2.28		
08 71 43 00-0053		Offset Saddle Thresholds (08 71 43 00-0002)			
08 71 43 00-0054		Aluminum Offset Saddle Thresholds (08 71 43 00-0053)			
		Note: Includes mill finish.			
08 71 43 00-0055		1/2" Height, Aluminum Offset Saddle Thresholds (08 71 43 00-0054)			
08 71 43 00-0056	LF	5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A)	27.93		5.84
		<i>For Color Anodized Finish, Add</i>	6.67		
08 71 43 00-0057	LF	7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A)	31.36		5.84
		<i>For Color Anodized Finish, Add</i>	5.87		
08 71 43 00-0058		3/4" Height, Aluminum Offset Saddle Thresholds (08 71 43 00-0054)			
08 71 43 00-0059	LF	5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A)	27.93		5.84
		<i>For Color Anodized Finish, Add</i>	6.67		
08 71 43 00-0060		1" Height, Aluminum Offset Saddle Thresholds (08 71 43 00-0054)			
08 71 43 00-0061	LF	7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A)	32.68		5.84
		<i>For Color Anodized Finish, Add</i>	6.33		
08 71 43 00-0062		Modular Ramp Thresholds (08 71 43 00-0001)			
		Note: Includes mill finish.			
08 71 43 00-0063		Flush, Aluminum Modular Ramp Thresholds (08 71 43 00-0062)			



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 43 00-0064	LF		6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA) <i>For Non-Slip Surfacing, Add</i>	30.81 57.39	5.84
08 71 43 00-0065	LF		9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA) <i>For Non-Slip Surfacing, Add</i>	39.04 73.33	6.43
08 71 43 00-0066	LF		12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA) <i>For Non-Slip Surfacing, Add</i>	50.23 99.76	7.30
08 71 43 00-0067	LF		15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA) <i>For Non-Slip Surfacing, Add</i>	65.00 134.49	7.59
08 71 43 00-0068	LF		18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA) <i>For Non-Slip Surfacing, Add</i>	76.10 179.22	8.18
08 71 43 00-0069	LF		21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA) <i>For Non-Slip Surfacing, Add</i>	95.00 199.89	9.06
08 71 43 00-0070	LF		24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA) <i>For Non-Slip Surfacing, Add</i>	106.06 224.12	9.93
08 71 43 00-0071	LF		28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA) <i>For Non-Slip Surfacing, Add</i>	112.51 228.70	10.52
08 71 43 00-0072			3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds (08 71 43 00-0062)		
08 71 43 00-0073	LF		12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA) <i>For Non-Slip Surfacing, Add</i>	53.88 106.06	7.30
08 71 43 00-0074	LF		15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA) <i>For Non-Slip Surfacing, Add</i>	63.91 131.54	7.59
08 71 43 00-0075	LF		18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA) <i>For Non-Slip Surfacing, Add</i>	80.43 163.54	8.77
08 71 43 00-0076	LF		22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA) <i>For Non-Slip Surfacing, Add</i>	95.15 198.80	9.35
08 71 43 00-0077	LF		25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA) <i>For Non-Slip Surfacing, Add</i>	109.83 233.92	9.93
08 71 43 00-0078	LF		28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA) <i>For Non-Slip Surfacing, Add</i>	120.32 258.15	10.52
08 71 43 00-0079	LF		31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA) <i>For Non-Slip Surfacing, Add</i>	148.61 328.67	11.10
08 71 43 00-0080			7" Top Plate, Offset, Aluminum Modular Ramp Thresholds (08 71 43 00-0062)		
08 71 43 00-0081	LF		16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA) <i>For Non-Slip Surfacing, Add</i>	62.72 131.43	7.89
08 71 43 00-0082	LF		19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA) <i>For Non-Slip Surfacing, Add</i>	73.91 157.86	8.77
08 71 43 00-0083	LF		22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA) <i>For Non-Slip Surfacing, Add</i>	89.24 190.49	9.35
08 71 43 00-0084	LF		25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA) <i>For Non-Slip Surfacing, Add</i>	100.35 217.32	9.93
08 71 43 00-0085	LF		28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA) <i>For Non-Slip Surfacing, Add</i>	118.65 253.81	10.52
08 71 43 00-0086	LF		31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA) <i>For Non-Slip Surfacing, Add</i>	129.14 278.04	11.10
08 71 43 00-0087	LF		35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA) <i>For Non-Slip Surfacing, Add</i>	149.78 316.03	11.68
08 71 43 00-0088			Accessories For Aluminum Modular Ramp Thresholds (08 71 43 00-0062)		
08 71 43 00-0089			Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds (08 71 43 00-0088)		
08 71 43 00-0090	PR		Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	156.50 17.03	7.30
08 71 43 00-0091	PR		>1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	243.40 27.46	7.30
08 71 43 00-0092	PR		>1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	484.65 55.70	10.23
08 71 43 00-0093			Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds (08 71 43 00-0088)		
08 71 43 00-0094	PR		Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	156.50 17.03	7.30
08 71 43 00-0095	PR		>1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	243.40 27.46	7.30
08 71 43 00-0096	PR		>1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	484.65 55.70	10.23
08 71 43 00-0097			Latching Panic Exit Saddle Thresholds (08 71 43 00-0001) Note: Includes vinyl or pile seal.		
08 71 43 00-0098			Aluminum, Latching Panic Exit Saddle Thresholds (08 71 43 00-0097) Note: Includes mill finish.		
08 71 43 00-0099			Aluminum, Latching Panic Exit Saddle Thresholds (08 71 43 00-0098)		
08 71 43 00-0100			7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds (08 71 43 00-0099)		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 43 00-0101	LF		4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	34.80 7.07 0.63	5.84
08 71 43 00-0102	LF		5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	28.06 6.73 0.63	5.84
08 71 43 00-0103	LF		6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	39.02 8.55 0.63	5.84
08 71 43 00-0104	LF		7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	40.87 9.19 0.63	5.84
08 71 43 00-0105			1" Height, Aluminum, Latching Panic Exit Saddle Thresholds (08 71 43 00-0098)		
08 71 43 00-0106	LF		3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	26.48 5.94 0.63	5.84
08 71 43 00-0107	LF		5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	28.33 6.87 0.63	5.84
08 71 43 00-0108			Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds (08 71 43 00-0098)		
08 71 43 00-0109			7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds (08 71 43 00-0108)		
08 71 43 00-0110	LF		4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	30.31 6.28 0.63	5.84
08 71 43 00-0111	LF		5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	32.02 6.97 0.63	5.84
08 71 43 00-0112	LF		6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	34.53 6.98 0.63	5.84
08 71 43 00-0113	LF		7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	37.37 7.97 0.63	5.84
08 71 43 00-0114			Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 71 43 00-0097)		
08 71 43 00-0115			Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 71 43 00-0114)		
08 71 43 00-0116			7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 71 43 00-0115)		
08 71 43 00-0117	LF		4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV) <i>For Thermoseal, Add</i>	174.32 0.63	5.84
08 71 43 00-0118	LF		5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV) <i>For Thermoseal, Add</i>	161.12 0.63	5.84
08 71 43 00-0119	LF		6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV) <i>For Thermoseal, Add</i>	235.04 0.63	5.84
08 71 43 00-0120	LF		7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV) <i>For Thermoseal, Add</i>	209.43 0.63	5.84
08 71 43 00-0121			1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 71 43 00-0115)		
08 71 43 00-0122	LF		5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV) <i>For Thermoseal, Add</i>	171.42 0.63	5.84
08 71 43 00-0123			Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 71 43 00-0114)		
08 71 43 00-0124			7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 71 43 00-0123)		
08 71 43 00-0125	LF		4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV) <i>For Thermoseal, Add</i>	174.98 0.63	6.43
08 71 43 00-0126	LF		5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV) <i>For Thermoseal, Add</i>	184.08 0.63	6.43
08 71 43 00-0127	LF		6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV) <i>For Thermoseal, Add</i>	233.32 0.63	6.43
08 71 43 00-0128	LF		7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV) <i>For Thermoseal, Add</i>	210.95 0.63	6.72



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 43 00-0129 Carpet Separator Thresholds (08 71 43 00-0001)		
08 71 43 00-0130 Aluminum, Carpet Separator Thresholds (08 71 43 00-0129) Note: Includes mill finish.		
08 71 43 00-0131 3/8" Height, Aluminum, Carpet Separator Thresholds (08 71 43 00-0130)		
08 71 43 00-0132 LF 2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C) For Color Anodized Finish, Add	19.73 3.22	4.67
08 71 43 00-0133 7/16" Height, Aluminum, Carpet Separator Thresholds (08 71 43 00-0130)		
08 71 43 00-0134 LF 1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A)..... For Color Anodized Finish, Add	15.77 1.94	4.09
08 71 43 00-0135 LF 4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A)..... For Color Anodized Finish, Add	24.50 3.96	4.67
08 71 43 00-0136 LF 6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A)..... For Color Anodized Finish, Add	30.04 6.18	4.67
08 71 43 00-0137 1/2" Height, Aluminum, Carpet Separator Thresholds (08 71 43 00-0130)		
08 71 43 00-0138 LF 1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A)..... For Color Anodized Finish, Add	14.06 0.96	4.09
08 71 43 00-0139 3/4" Height, Aluminum, Carpet Separator Thresholds (08 71 43 00-0130)		
08 71 43 00-0140 LF 1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A)..... For Color Anodized Finish, Add	15.77 1.66	4.09
08 71 43 00-0141 LF 3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A)..... For Color Anodized Finish, Add	24.90 4.12	5.84
08 71 43 00-0142 LF 4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A)..... For Color Anodized Finish, Add	26.48 3.56	5.84
08 71 43 00-0143 Brass/Bronze, Carpet Separator Thresholds (08 71 43 00-0129)		
08 71 43 00-0144 3/8" Height, Brass/Bronze, Carpet Separator Thresholds (08 71 43 00-0143)		
08 71 43 00-0145 LF 2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B).....	92.33	4.67
08 71 43 00-0146 7/16" Height, Brass/Bronze, Carpet Separator Thresholds (08 71 43 00-0143)		
08 71 43 00-0147 LF 1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B).....	124.57	4.09
08 71 43 00-0148 LF 4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B).....	110.30	5.84
08 71 43 00-0149 Vinyl Transition Thresholds (08 71 43 00-0001) Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
08 71 43 00-0150 Carpet To Carpet, Vinyl Transition Thresholds (08 71 43 00-0149) Note: Serves as a transition where carpet meets carpet beneath a door.		
08 71 43 00-0151 LF 2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL).....	24.57	4.67
08 71 43 00-0152 Carpet To Tile, Vinyl Transition Thresholds (08 71 43 00-0149) Note: Serves as a transition where carpet meets tile beneath a door.		
08 71 43 00-0153 LF 2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL).....	24.57	4.67
08 71 43 00-0154 Carpet To Concrete, Vinyl Transition Thresholds (08 71 43 00-0149) Note: Serves as a transition where carpet meets concrete beneath a door.		
08 71 43 00-0155 LF 3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL).....	25.57	5.84
08 71 43 00-0156 Carpet To VCT Tile, Vinyl Transition Thresholds (08 71 43 00-0149) Note: Serves as a transition where carpet meets VCT Tile beneath a door.		
08 71 43 00-0157 LF 3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL).....	27.71	5.84
08 71 43 00-0158 Residential Thresholds (08 71 43 00-0001)		
08 71 43 00-0159 Wood Residential Thresholds (08 71 43 00-0158)		
08 71 43 00-0160 LF 1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W).....	9.72	2.92
08 71 43 00-0161 LF 1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W).....	10.16	2.92
08 71 43 00-0162 LF 3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W).....	14.49	3.11
08 71 43 00-0163 LF 3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W).....	14.66	3.23
08 71 43 00-0164 LF 5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W).....	23.69	3.32
08 71 43 00-0165 Vinyl Top, Wood Residential Thresholds (08 71 43 00-0158)		
08 71 43 00-0166 LF 1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK).....	12.14	2.92
08 71 43 00-0167 LF 3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK).....	15.06	3.23
08 71 43 00-0168 LF 3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK).....	30.50	3.23

08	Openings
08 70	Hardware
08 71	Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 43 00-0169			Vinyl Top, Aluminum Residential Thresholds (08 71 43 00-0158)		
08 71 43 00-0170	LF		1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV)	12.18	2.92
			<i>For Color Anodized Finish, Add</i>	1.95	
08 71 43 00-0171	LF		3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV)	14.40	3.23
			<i>For Color Anodized Finish, Add</i>	2.54	
08 71 43 00-0172	LF		3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV)	15.45	3.23
			<i>For Color Anodized Finish, Add</i>	2.96	
08 71 43 00-0173			Interlocking Residential Thresholds (08 71 43 00-0158)		
08 71 43 00-0174			Aluminum Interlocking Residential Thresholds (08 71 43 00-0173)		
08 71 43 00-0175			1/2" Height, Aluminum Interlocking Residential Thresholds (08 71 43 00-0174)		
08 71 43 00-0176	LF		4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A)	29.81	3.32
			<i>For Color Anodized Finish, Add</i>	6.46	
08 71 43 00-0177			5/8" Height, Aluminum Interlocking Residential Thresholds (08 71 43 00-0174)		
08 71 43 00-0178	LF		3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A)	18.99	3.11
			<i>For Color Anodized Finish, Add</i>	3.37	
08 71 43 00-0179	LF		3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A)	16.90	3.23
			<i>For Color Anodized Finish, Add</i>	4.42	
08 71 43 00-0180	LF		4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A)	20.04	3.32
			<i>For Color Anodized Finish, Add</i>	3.53	
08 71 43 00-0181			7/8" Height, Aluminum Interlocking Residential Thresholds (08 71 43 00-0174)		
08 71 43 00-0182	LF		4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A)	22.15	3.32
			<i>For Color Anodized Finish, Add</i>	6.93	
08 71 43 00-0183			Brass/Bronze Interlocking Residential Thresholds (08 71 43 00-0173)		
08 71 43 00-0184			1/2" Height, Brass/Bronze Interlocking Residential Thresholds (08 71 43 00-0183)		
08 71 43 00-0185	LF		4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B)	130.39	3.32
08 71 43 00-0186			5/8" Height, Brass/Bronze Interlocking Residential Thresholds (08 71 43 00-0183)		
08 71 43 00-0187	LF		3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B)	97.16	3.23
08 71 43 00-0188			7/8" Height, Brass/Bronze Interlocking Residential Thresholds (08 71 43 00-0183)		
08 71 43 00-0189	LF		4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B)	133.69	3.32
08 71 43 00-0190	LF		5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B)	193.33	3.41
08 71 43 00-0191			Residential Door Sills (08 71 43 00-0001)		
08 71 43 00-0192			Fixed Aluminum Residential Door Sills (08 71 43 00-0191)		
08 71 43 00-0193	LF		4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A)	15.81	3.32
			<i>For Color Anodized Finish, Add</i>	3.76	
08 71 43 00-0194	LF		5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A)	17.09	3.41
			<i>For Color Anodized Finish, Add</i>	3.42	
08 71 43 00-0195			Adjustable Aluminum Top, Aluminum Residential Door Sills (08 71 43 00-0191)		
08 71 43 00-0196	LF		4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A)	23.88	3.32
			<i>For Color Anodized Finish, Add</i>	5.46	
08 71 43 00-0197	LF		5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A)	24.51	3.41
			<i>For Color Anodized Finish, Add</i>	5.59	
08 71 43 00-0198			Adjustable Wood Top, Aluminum Residential Door Sills (08 71 43 00-0191)		
08 71 43 00-0199	LF		3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW)	24.28	3.23
			<i>For Color Anodized Finish, Add</i>	5.68	
08 71 43 00-0200	LF		4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW)	24.51	3.32
			<i>For Color Anodized Finish, Add</i>	4.06	
08 71 43 00-0201	LF		5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW)	25.63	3.41
			<i>For Color Anodized Finish, Add</i>	4.28	
08 71 43 00-0202			Extenders For Aluminum Residential Door Sills (08 71 43 00-0191)		
08 71 43 00-0203	LF		3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A)	9.14	2.92
			<i>For Color Anodized Finish, Add</i>	2.31	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 43 00-0204	LF		2" Extender For Aluminum Residential Door Sills (Pemko EXT2A) <i>For Color Anodized Finish, Add</i>	10.20 2.18	2.92
08 71 43 00-0205	LF		3" Extender For Aluminum Residential Door Sills (Pemko EXT3A) <i>For Color Anodized Finish, Add</i>	11.25 1.35	2.92
08 71 43 00-0206			Stone Thresholds (08 71 43 00-0001)		
08 71 43 00-0207			Marble Thresholds (08 71 43 00-0206)		
08 71 43 00-0208	LF		2" Width, 5/8" Height, Plain Marble Threshold.....	11.67	4.40
08 71 43 00-0209	LF		4" Width, 5/8" Height, Plain Marble Threshold.....	13.08	4.40
08 71 43 00-0210	LF		6" Width, 5/8" Height, Plain Marble Threshold.....	14.96	4.40
08 71 43 00-0211	LF		4" Width, 7/8" Height, Plain Marble Threshold.....	19.19	4.40
08 71 43 00-0212	LF		6" Width, 7/8" Height, Plain Marble Threshold.....	24.15	4.40
08 71 43 00-0213			Corian Thresholds (08 71 43 00-0206)		
08 71 43 00-0214	LF		Up To 5-3/4" Width, Corian Threshold.....	44.88	4.85
08 71 53			Security Door Hardware (08 71)		
08 71 53 00-0001			Door Exit Alarm Hardware (08 71 53)		
08 71 53 00-0002	EA		Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500)	192.22	21.92
08 71 53 00-0003	EA		Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W).....	267.20	21.92
08 71 53 00-0004	EA		Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300)	224.24	21.92
			Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.		
08 71 53 00-0005	EA		Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W).....	290.56	21.92
			Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.		
08 71 53 00-0006	EA		Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500)	337.01	29.23
08 71 53 00-0007	EA		Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S).....	59.10	29.23
			Note: For use with Detex EAX exit alarms.		
08 75			Window Hardware (08 70)		
08 75 00 00-0001			Window Opener Electric, With 1/2 HP Motor (08 75)		
08 75 00 00-0002	EA		Gym Window Electronic Opener.....	1,080.99	124.50
08 79			Hardware Accessories (08 70)		
08 79 00 00-0001			Pad Locks (08 79)		
08 79 00 00-0002	EA		Combination Padlock.....	13.24	2.93
08 79 00 00-0003	EA		Resettable Combination Padlock With Control Key, 4 Digit, 2" Wide Case, 1" Shackle Height.....	32.21	2.93
08 79 00 00-0004	EA		Resettable Combination Padlock, 4 Digit, 2" Wide Case, 1" Shackle Height.....	29.64	2.93
08 79 00 00-0005	EA		Resettable Combination Padlock, 4 Digit, 2" Wide Case, 2-1/4" Shackle Height.....	32.83	2.93
08 79 00 00-0006	EA		Commercial U-Bar Lock.....	40.19	2.93
08 79 00 00-0007	EA		Weather Tough Padlocks Keyed Alike.....	33.47	2.93
08 79 00 00-0008	EA		High Security Padlocks.....	30.06	2.93
08 79 00 00-0009	EA		Standard Key, Medium Security Padlock Keyed Alike.....	15.11	2.93
08 79 00 00-0010			Key Cabinet (08 79)		
08 79 00 00-0011			Key Cabinets (08 79 00 00-0010)		
08 79 00 00-0012	EA		Wall Mounted Key Cabinet, Up To 30 Keys.....	267.66	10.52
08 79 00 00-0013	EA		Wall Mounted Key Cabinet, Up To 60 Keys.....	362.00	11.68
08 79 00 00-0014	EA		Wall Mounted Key Cabinet, Up To 240 Keys.....	815.31	17.53
08 79 00 00-0015	EA		Wall Mounted Key Cabinet, Up To 1,200 Keys.....	2,108.70	23.37
08 79 00 00-0016	EA		Drawer Type Key Cabinet, Up To 600 Keys.....	2,253.31	15.48
08 79 00 00-0017	EA		Drawer Type Key Cabinet, Up To 2,400 Keys.....	5,098.13	11.68
08 79 00 00-0018	EA		Tray Type Key Cabinet, Up To 20 Keys.....	112.45	4.67
08 79 00 00-0019	EA		Tray Type Key Cabinet, Up To 50 Keys.....	160.60	5.84
08 79 00 00-0020			Key Boxes Wall Mounted On Any Type Wall, With Anchor (08 79 00 00-0010)		
08 79 00 00-0021	EA		Key Box, Metal, 30 Key Hooks, Key Lock Door 3" Deep x 10" Wide x 12" High.....	152.71	8.77
08 79 00 00-0022	EA		Key Box, Metal, 60 Key Hooks, Key Lock Door, 3" Deep x 10" Wide x 12" High.....	173.33	8.77
08 79 00 00-0023	EA		Relocate Key Box, Metal, 3" Deep x 10" Wide x 12" High, Including Storage And Cleaning.....	29.81	
08 79 00 00-0024	EA		Relocate Heavy Duty Key Box, With Combo Lock Door, Including Storage And Cleaning.....	67.22	
08 80			Glazing (08)		
			Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks. Demolition for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.		
08 81			Glass Glazing (08 80)		

08	08	Openings
	08 80	Glazing
	08 81	Glass Glazing



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 81 23 Exterior Glass Glazing (08 81)

08 81 23 13 Factory Installed Glass Glazing (08 81 23)

08 81 23 13-0001 Clear Float Factory Installed Glass (08 81 23 13)

08 81 23 13-0002 Clear Float Factory Installed Glass (08 81 23 13-0001)

Note: Type I, Class I, Quality Q3.

08 81 23 13-0003	SF 1/8" Thick, Clear Float Factory Installed Glass	1.80
	For >50 To 200, Deduct	-0.05
	For >200 To 400, Deduct	-0.11
	For >400, Deduct	-0.16
	For Tinted Glass, Add	0.45
	For Reflective Coated Glass, Add	0.81
	For Low-E Coated Glass, Add	0.45
08 81 23 13-0004	SF 3/16" Thick, Clear Float Factory Installed Glass	1.93
	For >50 To 200, Deduct	-0.06
	For >200 To 400, Deduct	-0.12
	For >400, Deduct	-0.17
	For Tinted Glass, Add	0.48
	For Reflective Coated Glass, Add	0.87
	For Low-E Coated Glass, Add	0.48
08 81 23 13-0005	SF 1/4" Thick, Clear Float Factory Installed Glass	2.34
	For >50 To 200, Deduct	-0.07
	For >200 To 400, Deduct	-0.14
	For >400, Deduct	-0.21
	For Tinted Glass, Add	0.59
	For Reflective Coated Glass, Add	1.05
	For Low-E Coated Glass, Add	0.59
08 81 23 13-0006	SF 5/16" Thick, Clear Float Factory Installed Glass	3.89
	For >50 To 200, Deduct	-0.12
	For >200 To 400, Deduct	-0.23
	For >400, Deduct	-0.35
	For Tinted Glass, Add	0.97
	For Reflective Coated Glass, Add	1.75
	For Low-E Coated Glass, Add	0.97
08 81 23 13-0007	SF 3/8" Thick, Clear Float Factory Installed Glass	5.66
	For >50 To 200, Deduct	-0.17
	For >200 To 400, Deduct	-0.34
	For >400, Deduct	-0.51
	For Tinted Glass, Add	1.42
	For Reflective Coated Glass, Add	2.55
	For Low-E Coated Glass, Add	1.42
08 81 23 13-0008	SF 1/2" Thick, Clear Float Factory Installed Glass	6.22
	For >50 To 200, Deduct	-0.19
	For >200 To 400, Deduct	-0.37
	For >400, Deduct	-0.56
	For Tinted Glass, Add	1.56
	For Reflective Coated Glass, Add	2.80
	For Low-E Coated Glass, Add	1.56
08 81 23 13-0009	SF 5/8" Thick, Clear Float Factory Installed Glass	7.44
	For >50 To 200, Deduct	-0.22
	For >200 To 400, Deduct	-0.45
	For >400, Deduct	-0.67
	For Tinted Glass, Add	1.86
	For Reflective Coated Glass, Add	3.35
	For Low-E Coated Glass, Add	1.86
08 81 23 13-0010	SF 3/4" Thick, Clear Float Factory Installed Glass	9.19
	For >50 To 200, Deduct	-0.28
	For >200 To 400, Deduct	-0.55
	For >400, Deduct	-0.83
	For Tinted Glass, Add	2.30
	For Reflective Coated Glass, Add	4.14
	For Low-E Coated Glass, Add	2.30

08 81 23 13-0011 Heat Treated Factory Installed Glass (08 81 23 13)

08 81 23 13-0012 Tempered, Clear Float Factory Installed Glass (08 81 23 13-0011)

Note: Type I, Class I, Quality Q3.

08 81 23 13-0013	SF 1/8" Thick, Tempered, Clear Float Factory Installed Glass	2.61
	For >50 To 200, Deduct	-0.08
	For >200 To 400, Deduct	-0.16
	For >400, Deduct	-0.23
	For Tinted Glass, Add	0.65
	For Reflective Coated Glass, Add	1.17
	For Low-E Coated Glass, Add	0.65
08 81 23 13-0014	SF 3/16" Thick, Tempered, Clear Float Factory Installed Glass	2.79
	For >50 To 200, Deduct	-0.08
	For >200 To 400, Deduct	-0.17
	For >400, Deduct	-0.25
	For Tinted Glass, Add	0.70
	For Reflective Coated Glass, Add	1.26
	For Low-E Coated Glass, Add	0.70



Openings	08	08
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0015 SF 1/4" Thick, Tempered, Clear Float Factory Installed Glass.....	3.39	
For >50 To 200, Deduct	-0.10	
For >200 To 400, Deduct	-0.20	
For >400, Deduct	-0.31	
For Tinted Glass, Add	0.85	
For Reflective Coated Glass, Add	1.53	
For Low-E Coated Glass, Add	0.85	
08 81 23 13-0016 SF 5/16" Thick, Tempered, Clear Float Factory Installed Glass.....	5.65	
For >50 To 200, Deduct	-0.17	
For >200 To 400, Deduct	-0.34	
For >400, Deduct	-0.51	
For Tinted Glass, Add	1.41	
For Reflective Coated Glass, Add	2.54	
For Low-E Coated Glass, Add	1.41	
08 81 23 13-0017 SF 3/8" Thick, Tempered, Clear Float Factory Installed Glass.....	8.21	
For >50 To 200, Deduct	-0.25	
For >200 To 400, Deduct	-0.49	
For >400, Deduct	-0.74	
For Tinted Glass, Add	2.05	
For Reflective Coated Glass, Add	3.69	
For Low-E Coated Glass, Add	2.05	
08 81 23 13-0018 SF 1/2" Thick, Tempered, Clear Float Factory Installed Glass.....	9.02	
For >50 To 200, Deduct	-0.27	
For >200 To 400, Deduct	-0.54	
For >400, Deduct	-0.81	
For Tinted Glass, Add	2.26	
For Reflective Coated Glass, Add	4.06	
For Low-E Coated Glass, Add	2.26	
08 81 23 13-0019 SF 5/8" Thick, Tempered, Clear Float Factory Installed Glass.....	10.79	
For >50 To 200, Deduct	-0.32	
For >200 To 400, Deduct	-0.65	
For >400, Deduct	-0.97	
For Tinted Glass, Add	2.70	
For Reflective Coated Glass, Add	4.86	
For Low-E Coated Glass, Add	2.70	
08 81 23 13-0020 SF 3/4" Thick, Tempered, Clear Float Factory Installed Glass.....	13.33	
For >50 To 200, Deduct	-0.40	
For >200 To 400, Deduct	-0.80	
For >400, Deduct	-1.20	
For Tinted Glass, Add	3.33	
For Reflective Coated Glass, Add	6.00	
For Low-E Coated Glass, Add	3.33	
08 81 23 13-0021 Patterned Factory Installed Glass (08 81 23 13)		
08 81 23 13-0022 Rough Obscure, Factory Installed Glass (08 81 23 13-0021)		
Note: Class II, Form 3, Finish F1.		
08 81 23 13-0023 SF 1/4" Thick, Rough Obscure, Factory Installed Glass.....	5.12	
08 81 23 13-0024 Patterned, Figured Factory Installed Glass (08 81 23 13-0021)		
Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 13-0025 SF 1/8" Thick, Patterned, Figured Factory Installed Glass.....	3.11	
08 81 23 13-0026 SF 7/32" Thick, Patterned, Figured Factory Installed Glass.....	3.11	
08 81 23 13-0027 Wired Factory Installed Glass (08 81 23 13)		
08 81 23 13-0028 Square Or Diamond Pattern, Wired Factory Installed Glass (08 81 23 13-0027)		
Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 13-0029 SF 1/4" Thick, Square Pattern, Wired Factory Installed Glass.....	8.05	
08 81 23 13-0030 SF 1/4" Thick, Diamond Pattern, Wired Factory Installed Glass.....	8.05	
08 81 23 13-0031 Polished, Wired Factory Installed Glass (08 81 23 13-0027)		
08 81 23 13-0032 SF 1/4" Thick, Polished, Wired Factory Installed Glass.....	8.80	
08 81 23 13-0033 Frosted Factory Installed Glass (08 81 23 13)		
08 81 23 13-0034 Frosted Factory Installed Glass (08 81 23 13-0033)		
08 81 23 13-0035 SF 1/8" Thick, Frosted Factory Installed Glass.....	4.07	
For >50 To 200, Deduct	-0.12	
For >200 To 400, Deduct	-0.24	
For >400, Deduct	-0.37	
08 81 23 13-0036 SF 3/16" Thick, Frosted Factory Installed Glass.....	5.34	
For >50 To 200, Deduct	-0.16	
For >200 To 400, Deduct	-0.32	
For >400, Deduct	-0.48	
08 81 23 13-0037 SF 1/4" Thick, Frosted Factory Installed Glass.....	6.75	
For >50 To 200, Deduct	-0.20	
For >200 To 400, Deduct	-0.41	
For >400, Deduct	-0.61	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0038	SF		3/8" Thick, Frosted Factory Installed Glass.....	10.09	
			<i>For >50 To 200, Deduct</i>	-0.30	
			<i>For >200 To 400, Deduct</i>	-0.61	
			<i>For >400, Deduct</i>	-0.91	
08 81 23 13-0039			Fire Rated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0040			Fire Rated Factory Installed Glass (08 81 23 13-0039)		
08 81 23 13-0041	SF		20 Minute, Fire Rated Factory Installed Glass.....	11.05	
08 81 23 13-0042	SF		45 Minute, Fire Rated Factory Installed Glass.....	22.00	
08 81 23 13-0043	SF		60 Minute, Fire Rated Factory Installed Glass.....	34.00	
08 81 23 13-0044	SF		90 Minute, Fire Rated Factory Installed Glass.....	45.00	
08 81 23 13-0045			Laminated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0046			Laminated Glass With PVB Interlayer, Factory Installed Glass (08 81 23 13-0045)		
			Note: Type I, Class I, Quality Q3.		
08 81 23 13-0047	SF		1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	7.17	
			<i>For >50 To 200, Deduct</i>	-0.22	
			<i>For >200 To 400, Deduct</i>	-0.43	
			<i>For >400, Deduct</i>	-0.65	
			<i>For Tinted Glass, Add</i>	1.79	
			<i>For Reflective Coated Glass, Add</i>	3.23	
			<i>For Low-E Coated Glass, Add</i>	1.79	
			<i>For One Piece Heat Strengthened Glass, Add</i>	1.43	
			<i>For One Piece Fully Tempered Glass, Add</i>	1.43	
08 81 23 13-0048	SF		3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	8.95	
			<i>For >50 To 200, Deduct</i>	-0.27	
			<i>For >200 To 400, Deduct</i>	-0.54	
			<i>For >400, Deduct</i>	-0.81	
			<i>For Tinted Glass, Add</i>	2.24	
			<i>For Reflective Coated Glass, Add</i>	4.03	
			<i>For Low-E Coated Glass, Add</i>	2.24	
			<i>For One Piece Heat Strengthened Glass, Add</i>	1.79	
			<i>For One Piece Fully Tempered Glass, Add</i>	1.79	
08 81 23 13-0049	SF		1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	12.16	
			<i>For >50 To 200, Deduct</i>	-0.36	
			<i>For >200 To 400, Deduct</i>	-0.73	
			<i>For >400, Deduct</i>	-1.09	
			<i>For Tinted Glass, Add</i>	3.04	
			<i>For Reflective Coated Glass, Add</i>	5.47	
			<i>For Low-E Coated Glass, Add</i>	3.04	
			<i>For One Piece Heat Strengthened Glass, Add</i>	2.43	
			<i>For One Piece Fully Tempered Glass, Add</i>	2.43	
08 81 23 13-0050			Insulated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0051			Insulated, Factory Installed Glass (08 81 23 13-0050)		
			Note: Type I, Class I, Quality Q3.		
08 81 23 13-0052	SF		1/2" Thick, Insulated Factory Installed Glass.....	5.19	
			Note: Two 1/8" lites with 1/4" air space.		
			<i>For >50 To 200, Deduct</i>	-0.16	
			<i>For >200 To 400, Deduct</i>	-0.31	
			<i>For >400, Deduct</i>	-0.47	
			<i>For Tinted Glass, Add</i>	1.30	
			<i>For Reflective Coated Glass, Add</i>	2.34	
			<i>For Low-E Coated Glass, Add</i>	1.30	
			<i>For One Piece Heat Strengthened Glass, Add</i>	1.04	
			<i>For One Piece Fully Tempered Glass, Add</i>	1.04	
			<i>For One Piece Obscure Glass, Add</i>	2.21	
			<i>For Argon Gas, Add</i>	1.43	
08 81 23 13-0053	SF		5/8" Thick, Insulated Factory Installed Glass.....	5.25	
			Note: Two 3/16" lites with 1/4" air space.		
			<i>For >50 To 200, Deduct</i>	-0.16	
			<i>For >200 To 400, Deduct</i>	-0.32	
			<i>For >400, Deduct</i>	-0.47	
			<i>For Tinted Glass, Add</i>	1.31	
			<i>For Reflective Coated Glass, Add</i>	2.36	
			<i>For Low-E Coated Glass, Add</i>	1.31	
			<i>For One Piece Heat Strengthened Glass, Add</i>	1.05	
			<i>For One Piece Fully Tempered Glass, Add</i>	1.05	
			<i>For One Piece Obscure Glass, Add</i>	2.23	
			<i>For Argon Gas, Add</i>	1.44	



Openings	08	08
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0054 SF 3/4" Thick, Insulated Factory Installed Glass.....	5.50	
Note: Two 1/4" lites with 1/4" air space.		
For >50 To 200, Deduct	-0.17	
For >200 To 400, Deduct	-0.33	
For >400, Deduct	-0.50	
For Tinted Glass, Add	1.38	
For Reflective Coated Glass, Add	2.48	
For Low-E Coated Glass, Add	1.38	
For One Piece Heat Strengthened Glass, Add	1.10	
For One Piece Fully Tempered Glass, Add	1.10	
For One Piece Obscure Glass, Add	2.34	
For Argon Gas, Add	1.51	
08 81 23 13-0055 SF 1" Thick, Insulated Factory Installed Glass.....	6.67	
Note: Two 1/4" lites with 1/2" air space.		
For >50 To 200, Deduct	-0.20	
For >200 To 400, Deduct	-0.40	
For >400, Deduct	-0.60	
For Tinted Glass, Add	1.67	
For Reflective Coated Glass, Add	3.00	
For Low-E Coated Glass, Add	1.67	
For One Piece Heat Strengthened Glass, Add	1.33	
For One Piece Fully Tempered Glass, Add	1.33	
For One Piece Obscure Glass, Add	2.83	
For Argon Gas, Add	1.83	
08 81 23 23 Field Installed Glass Glazing (08 81 23)		
08 81 23 23-0001 Clear Float Field Installed Glass (08 81 23 23)		
08 81 23 23-0002 Clear Float Field Installed Glass (08 81 23 23-0001)		
Note: Type I, Class I, Quality Q3.		
08 81 23 23-0003 SF 1/8" Thick, Clear Float Field Installed Glass.....	10.08	
For >50 To 200, Deduct	-0.05	
For >200 To 400, Deduct	-0.11	
For >400, Deduct	-0.16	
For Glass Removal And Preparing Opening For New Glazing, Add	8.28	
For Tinted Glass, Add	0.45	
For Reflective Coated Glass, Add	0.81	
For Low-E Coated Glass, Add	0.45	
08 81 23 23-0004 SF 3/16" Thick, Clear Float Field Installed Glass.....	10.84	
For >50 To 200, Deduct	-0.06	
For >200 To 400, Deduct	-0.12	
For >400, Deduct	-0.17	
For Glass Removal And Preparing Opening For New Glazing, Add	8.91	
For Tinted Glass, Add	0.48	
For Reflective Coated Glass, Add	0.87	
For Low-E Coated Glass, Add	0.48	
08 81 23 23-0005 SF 1/4" Thick, Clear Float Field Installed Glass.....	11.89	
For >50 To 200, Deduct	-0.07	
For >200 To 400, Deduct	-0.14	
For >400, Deduct	-0.21	
For Glass Removal And Preparing Opening For New Glazing, Add	9.55	
For Tinted Glass, Add	0.59	
For Reflective Coated Glass, Add	1.05	
For Low-E Coated Glass, Add	0.59	
08 81 23 23-0006 SF 5/16" Thick, Clear Float Field Installed Glass.....	14.71	
For >50 To 200, Deduct	-0.12	
For >200 To 400, Deduct	-0.23	
For >400, Deduct	-0.35	
For Glass Removal And Preparing Opening For New Glazing, Add	10.82	
For Tinted Glass, Add	0.97	
For Reflective Coated Glass, Add	1.75	
For Low-E Coated Glass, Add	0.97	
08 81 23 23-0007 SF 3/8" Thick, Clear Float Field Installed Glass.....	17.76	
For >50 To 200, Deduct	-0.17	
For >200 To 400, Deduct	-0.34	
For >400, Deduct	-0.51	
For Glass Removal And Preparing Opening For New Glazing, Add	12.10	
For Tinted Glass, Add	1.42	
For Reflective Coated Glass, Add	2.55	
For Low-E Coated Glass, Add	1.42	
08 81 23 23-0008 SF 1/2" Thick, Clear Float Field Installed Glass.....	19.59	
For >50 To 200, Deduct	-0.19	
For >200 To 400, Deduct	-0.37	
For >400, Deduct	-0.56	
For Glass Removal And Preparing Opening For New Glazing, Add	13.37	
For Tinted Glass, Add	1.56	
For Reflective Coated Glass, Add	2.80	
For Low-E Coated Glass, Add	1.56	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0009	SF		5/8" Thick, Clear Float Field Installed Glass	23.99	
			<i>For >50 To 200, Deduct</i>	-0.22	
			<i>For >200 To 400, Deduct</i>	-0.45	
			<i>For >400, Deduct</i>	-0.67	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.55	
			<i>For Tinted Glass, Add</i>	1.86	
			<i>For Reflective Coated Glass, Add</i>	3.35	
			<i>For Low-E Coated Glass, Add</i>	1.86	
08 81 23 23-0010	SF		3/4" Thick, Clear Float Field Installed Glass	28.92	
			<i>For >50 To 200, Deduct</i>	-0.28	
			<i>For >200 To 400, Deduct</i>	-0.55	
			<i>For >400, Deduct</i>	-0.83	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	19.73	
			<i>For Tinted Glass, Add</i>	2.30	
			<i>For Reflective Coated Glass, Add</i>	4.14	
			<i>For Low-E Coated Glass, Add</i>	2.30	
08 81 23 23-0011			Heat Treated Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0012			Tempered, Clear Float Field Installed Glass <small>(08 81 23 23-0011)</small>		
			Note: Type I, Class I, Quality Q3.		
08 81 23 23-0013	SF		1/8" Thick, Tempered, Clear Float Field Installed Glass	10.89	
			<i>For >50 To 200, Deduct</i>	-0.08	
			<i>For >200 To 400, Deduct</i>	-0.16	
			<i>For >400, Deduct</i>	-0.23	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	8.28	
			<i>For Tinted Glass, Add</i>	0.65	
			<i>For Reflective Coated Glass, Add</i>	1.17	
			<i>For Low-E Coated Glass, Add</i>	0.65	
08 81 23 23-0014	SF		3/16" Thick, Tempered, Clear Float Field Installed Glass	11.70	
			<i>For >50 To 200, Deduct</i>	-0.08	
			<i>For >200 To 400, Deduct</i>	-0.17	
			<i>For >400, Deduct</i>	-0.25	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	8.91	
			<i>For Tinted Glass, Add</i>	0.70	
			<i>For Reflective Coated Glass, Add</i>	1.26	
			<i>For Low-E Coated Glass, Add</i>	0.70	
08 81 23 23-0015	SF		1/4" Thick, Tempered, Clear Float Field Installed Glass	12.94	
			<i>For >50 To 200, Deduct</i>	-0.10	
			<i>For >200 To 400, Deduct</i>	-0.20	
			<i>For >400, Deduct</i>	-0.31	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.55	
			<i>For Tinted Glass, Add</i>	0.85	
			<i>For Reflective Coated Glass, Add</i>	1.53	
			<i>For Low-E Coated Glass, Add</i>	0.85	
08 81 23 23-0016	SF		5/16" Thick, Tempered, Clear Float Field Installed Glass	16.47	
			<i>For >50 To 200, Deduct</i>	-0.17	
			<i>For >200 To 400, Deduct</i>	-0.34	
			<i>For >400, Deduct</i>	-0.51	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.82	
			<i>For Tinted Glass, Add</i>	1.41	
			<i>For Reflective Coated Glass, Add</i>	2.54	
			<i>For Low-E Coated Glass, Add</i>	1.41	
08 81 23 23-0017	SF		3/8" Thick, Tempered, Clear Float Field Installed Glass	20.31	
			<i>For >50 To 200, Deduct</i>	-0.25	
			<i>For >200 To 400, Deduct</i>	-0.49	
			<i>For >400, Deduct</i>	-0.74	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	12.10	
			<i>For Tinted Glass, Add</i>	2.05	
			<i>For Reflective Coated Glass, Add</i>	3.69	
			<i>For Low-E Coated Glass, Add</i>	2.05	
08 81 23 23-0018	SF		1/2" Thick, Tempered, Clear Float Field Installed Glass	22.39	
			<i>For >50 To 200, Deduct</i>	-0.27	
			<i>For >200 To 400, Deduct</i>	-0.54	
			<i>For >400, Deduct</i>	-0.81	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.37	
			<i>For Tinted Glass, Add</i>	2.26	
			<i>For Reflective Coated Glass, Add</i>	4.06	
			<i>For Low-E Coated Glass, Add</i>	2.26	
08 81 23 23-0019	SF		5/8" Thick, Tempered, Clear Float Field Installed Glass	27.34	
			<i>For >50 To 200, Deduct</i>	-0.32	
			<i>For >200 To 400, Deduct</i>	-0.65	
			<i>For >400, Deduct</i>	-0.97	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.55	
			<i>For Tinted Glass, Add</i>	2.70	
			<i>For Reflective Coated Glass, Add</i>	4.86	
			<i>For Low-E Coated Glass, Add</i>	2.70	
08 81 23 23-0020	SF		3/4" Thick, Tempered, Clear Float Field Installed Glass	33.06	
			<i>For >50 To 200, Deduct</i>	-0.40	
			<i>For >200 To 400, Deduct</i>	-0.80	
			<i>For >400, Deduct</i>	-1.20	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	19.73	
			<i>For Tinted Glass, Add</i>	3.33	
			<i>For Reflective Coated Glass, Add</i>	6.00	
			<i>For Low-E Coated Glass, Add</i>	3.33	



Openings	08	08
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0021 Patterned Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0022 Rough Obscure Field Installed Glass <small>(08 81 23 23-0021)</small> Note: Class II, Form 3, Finish F1.		
08 81 23 23-0023 SF 1/4" Thick, Rough Obscure Field Installed Glass.....	14.67	
For Glass Removal And Preparing Opening For New Glazing, Add	9.55	
08 81 23 23-0024 Patterned, Figured Field Installed Glass <small>(08 81 23 23-0021)</small> Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 23-0025 SF 1/8" Thick, Patterned, Figured Field Installed Glass.....	11.39	
For Glass Removal And Preparing Opening For New Glazing, Add	8.28	
08 81 23 23-0026 SF 7/32" Thick, Patterned, Figured Field Installed Glass.....	12.34	
For Glass Removal And Preparing Opening For New Glazing, Add	9.23	
08 81 23 23-0027 Wired Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0028 Square Or Diamond Pattern, Wired Field Installed Glass <small>(08 81 23 23-0027)</small> Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 23-0029 SF 1/4" Thick, Square Pattern, Wired Field Installed Glass.....	17.60	
For Glass Removal And Preparing Opening For New Glazing, Add	9.55	
08 81 23 23-0030 SF 1/4" Thick, Diamond Pattern, Wired Field Installed Glass.....	17.60	
For Glass Removal And Preparing Opening For New Glazing, Add	9.55	
08 81 23 23-0031 Polished, Wired Field Installed Glass <small>(08 81 23 23-0027)</small>		
08 81 23 23-0032 SF 1/4" Thick, Polished, Wired Field Installed Glass.....	18.35	
For Glass Removal And Preparing Opening For New Glazing, Add	9.55	
08 81 23 23-0033 Frosted Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0034 Frosted Field Installed Glass <small>(08 81 23 23-0033)</small>		
08 81 23 23-0035 SF 1/8" Thick, Frosted Field Installed Glass.....	12.35	
For >50 To 200, Deduct	-0.12	
For >200 To 400, Deduct	-0.24	
For >400, Deduct	-0.37	
For Glass Removal And Preparing Opening For New Glazing, Add	8.28	
08 81 23 23-0036 SF 3/16" Thick, Frosted Field Installed Glass.....	14.25	
For >50 To 200, Deduct	-0.16	
For >200 To 400, Deduct	-0.32	
For >400, Deduct	-0.48	
For Glass Removal And Preparing Opening For New Glazing, Add	8.91	
08 81 23 23-0037 SF 1/4" Thick, Frosted Field Installed Glass.....	16.30	
For >50 To 200, Deduct	-0.20	
For >200 To 400, Deduct	-0.41	
For >400, Deduct	-0.61	
For Glass Removal And Preparing Opening For New Glazing, Add	9.55	
08 81 23 23-0038 SF 3/8" Thick, Frosted Field Installed Glass.....	22.19	
For >50 To 200, Deduct	-0.30	
For >200 To 400, Deduct	-0.61	
For >400, Deduct	-0.91	
For Glass Removal And Preparing Opening For New Glazing, Add	12.10	
08 81 23 23-0039 Fire Rated Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0040 Fire Rated Field Installed Glass <small>(08 81 23 23-0039)</small>		
08 81 23 23-0041 SF 20 Minute, Fire Rated Field Installed Glass.....	20.60	
For Glass Removal And Preparing Opening For New Glazing, Add	9.55	
08 81 23 23-0042 SF 45 Minute, Fire Rated Field Installed Glass.....	31.55	
For Glass Removal And Preparing Opening For New Glazing, Add	9.55	
08 81 23 23-0043 SF 60 Minute, Fire Rated Field Installed Glass.....	43.55	
For Glass Removal And Preparing Opening For New Glazing, Add	9.55	
08 81 23 23-0044 SF 90 Minute, Fire Rated Field Installed Glass.....	54.55	
For Glass Removal And Preparing Opening For New Glazing, Add	9.55	
08 81 23 23-0045 Laminated Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0046 Laminated Glass With PVB Interlayer, Field Installed Glass <small>(08 81 23 23-0045)</small> Note: Type I, Class I, Quality Q3.		
08 81 23 23-0047 SF 1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	16.72	
For >50 To 200, Deduct	-0.22	
For >200 To 400, Deduct	-0.43	
For >400, Deduct	-0.65	
For Glass Removal And Preparing Opening For New Glazing, Add	9.55	
For Tinted Glass, Add	1.79	
For Reflective Coated Glass, Add	3.23	
For Low-E Coated Glass, Add	1.79	
For One Piece Heat Strengthened Glass, Add	1.43	
For One Piece Fully Tempered Glass, Add	1.43	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 81 23 23-0048	SF 3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	21.05	
	For >50 To 200, Deduct	-0.27	
	For >200 To 400, Deduct	-0.54	
	For >400, Deduct	-0.81	
	For Glass Removal And Preparing Opening For New Glazing, Add	12.10	
	For Tinted Glass, Add	2.24	
	For Reflective Coated Glass, Add	4.03	
	For Low-E Coated Glass, Add	2.24	
	For One Piece Heat Strengthened Glass, Add	1.79	
	For One Piece Fully Tempered Glass, Add	1.79	
08 81 23 23-0049	SF 1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	25.53	
	For >50 To 200, Deduct	-0.36	
	For >200 To 400, Deduct	-0.73	
	For >400, Deduct	-1.09	
	For Glass Removal And Preparing Opening For New Glazing, Add	13.37	
	For Tinted Glass, Add	3.04	
	For Reflective Coated Glass, Add	5.47	
	For Low-E Coated Glass, Add	3.04	
	For One Piece Heat Strengthened Glass, Add	2.43	
	For One Piece Fully Tempered Glass, Add	2.43	
08 81 23 23-0050	Insulated Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0051	Insulated Glass, Field Installed Glass <small>(08 81 23 23-0050)</small>		
	Note: Type I, Class I, Quality Q3.		
08 81 23 23-0052	SF 1/2" Thick, Insulated Field Installed Glass	16.33	
	Note: Two 1/8" lites with 1/4" air space.		
	For >50 To 200, Deduct	-0.16	
	For >200 To 400, Deduct	-0.31	
	For >400, Deduct	-0.47	
	For Glass Removal And Preparing Opening For New Glazing, Add	11.14	
	For Tinted Glass, Add	1.30	
	For Reflective Coated Glass, Add	2.34	
	For Low-E Coated Glass, Add	1.30	
	For One Piece Heat Strengthened Glass, Add	1.04	
	For One Piece Fully Tempered Glass, Add	1.04	
	For One Piece Obscure Glass, Add	2.21	
	For Argon Gas, Add	1.43	
08 81 23 23-0053	SF 5/8" Thick, Insulated Field Installed Glass	17.14	
	Note: Two 3/16" lites with 1/4" air space.		
	For >50 To 200, Deduct	-0.16	
	For >200 To 400, Deduct	-0.32	
	For >400, Deduct	-0.47	
	For Glass Removal And Preparing Opening For New Glazing, Add	11.89	
	For Tinted Glass, Add	1.31	
	For Reflective Coated Glass, Add	2.36	
	For Low-E Coated Glass, Add	1.31	
	For One Piece Heat Strengthened Glass, Add	1.05	
	For One Piece Fully Tempered Glass, Add	1.05	
	For One Piece Obscure Glass, Add	2.23	
	For Argon Gas, Add	1.44	
08 81 23 23-0054	SF 3/4" Thick, Insulated Field Installed Glass	18.47	
	Note: Two 1/4" lites with 1/4" air space.		
	For >50 To 200, Deduct	-0.17	
	For >200 To 400, Deduct	-0.33	
	For >400, Deduct	-0.50	
	For Glass Removal And Preparing Opening For New Glazing, Add	12.97	
	For Tinted Glass, Add	1.38	
	For Reflective Coated Glass, Add	2.48	
	For Low-E Coated Glass, Add	1.38	
	For One Piece Heat Strengthened Glass, Add	1.10	
	For One Piece Fully Tempered Glass, Add	1.10	
	For One Piece Obscure Glass, Add	2.34	
	For Argon Gas, Add	1.51	
08 81 23 23-0055	SF 1" Thick, Insulated Field Installed Glass	20.04	
	Note: Two 1/4" lites with 1/2" air space.		
	For >50 To 200, Deduct	-0.20	
	For >200 To 400, Deduct	-0.40	
	For >400, Deduct	-0.60	
	For Glass Removal And Preparing Opening For New Glazing, Add	13.37	
	For Tinted Glass, Add	1.67	
	For Reflective Coated Glass, Add	3.00	
	For Low-E Coated Glass, Add	1.67	
	For One Piece Heat Strengthened Glass, Add	1.33	
	For One Piece Fully Tempered Glass, Add	1.33	
	For One Piece Obscure Glass, Add	2.83	
	For Argon Gas, Add	1.83	
08 81 23 23-0056	Spandrel Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0057	Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass		
	<small>(08 81 23 23-0056)</small>		
08 81 23 23-0058	SF 1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass	16.41	
	For Glass Removal And Preparing Opening For New Glazing, Add	10.61	



Openings	08	08
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0059 SF 1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	15.17 10.61	
08 81 23 23-0060 Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass <small>(08 81 23 23-0056)</small>		
08 81 23 23-0061 1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass <small>(08 81 23 23-0060)</small> Note: Also with aluminum foil vapor barrier.		
08 81 23 23-0062 SF 1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	17.71 10.61	
08 81 23 23-0063 SF 1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.30 10.61	
08 81 23 23-0064 1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass <small>(08 81 23 23-0060)</small>		
08 81 23 23-0065 SF 1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	20.16 10.61	
08 81 23 23-0066 SF 1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	17.39 10.61	
08 83 Mirrors <small>(08 80)</small> Note: Kind FT, Type I, Class I, Quality Q1.		
08 83 13 Mirrored Glass Glazing <small>(08 83)</small>		
08 83 13 00-0001 Mirror Glass <small>(08 83 13)</small>		
08 83 13 00-0002 One-Way Vision Glass (Transparent Mirrors) <small>(08 83 13 00-0001)</small>		
08 83 13 00-0003 SF 1/4" One-Way Vision Glass (Transparent Mirrors)..... <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	25.63 -0.49 -0.81 -1.30	4.77
08 83 13 00-0004 Tempered, One-Way Vision Glass (Transparent Mirrors) <small>(08 83 13 00-0001)</small>		
08 83 13 00-0005 SF 1/4" Tempered, One-Way Vision Glass (Transparent Mirrors) <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	33.07 -0.71 -1.18 -1.89	4.77
08 83 13 00-0006 Clear Mirror Glass <small>(08 83 13 00-0001)</small>		
08 83 13 00-0007 SF 1/8" Clear Mirror Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	11.24 -0.11 -0.18 -0.29	3.82
08 83 13 00-0008 SF 3/16" Clear Mirror Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	13.14 -0.13 -0.22 -0.35	4.45
08 83 13 00-0009 SF 1/4" Clear Mirror Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	14.29 -0.15 -0.24 -0.39	4.77
08 83 13 00-0010 Tempered, Clear Mirror Glass <small>(08 83 13 00-0001)</small>		
08 83 13 00-0011 SF 1/8" Tempered, Clear Mirror Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	15.36 -0.23 -0.39 -0.62	3.82
08 83 13 00-0012 SF 3/16" Tempered, Clear Mirror Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	17.50 -0.26 -0.44 -0.70	4.45
08 83 13 00-0013 SF 1/4" Tempered, Clear Mirror Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	19.15 -0.29 -0.49 -0.78	4.77
08 83 13 00-0014 Clear Mirror Glass With Laminated Safety Backing <small>(08 83 13 00-0001)</small>		
08 83 13 00-0015 SF 1/4" Clear Mirror Glass With Laminated Safety Backing..... <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	21.62 -0.37 -0.61 -0.98	4.77
08 83 13 00-0016 Laminated Safety Mirror Glass <small>(08 83 13 00-0001)</small> Note: Clear glass laminated to face of mirror with PVB interlayer.		

08 Openings**08 80 Glazing****08 83 Mirrors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 83 13 00-0017 SF 1/4" Laminated Safety Mirror Glass	40.61	4.77
For >50 To 200, Deduct	-0.94	
For >200 To 400, Deduct	-1.56	
For >400, Deduct	-2.49	
08 83 13 00-0018 Accessories For Mirror Glass (08 83 13)		
08 83 13 00-0019 LF 1/8" Aluminum J-Channel For Mounting Mirror Glass	2.86	
08 83 13 00-0020 LF 3/16" Aluminum J-Channel For Mounting Mirror Glass	2.91	
08 83 13 00-0021 LF 1/4" Aluminum J-Channel For Mounting Mirror Glass	3.56	
08 83 13 00-0022 LF Aluminum Frame For Mounting Mirror Glass	4.47	
08 84 Plastic Glazing (08 80)		
08 84 00 00-0001 Clear Polycarbonate Glazing (GE Lexan) (08 84)		
08 84 00 00-0002 SF 1/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	14.06	
For >50 To 200, Deduct	-0.40	
For >200 To 400, Deduct	-0.81	
For >400, Deduct	-1.21	
For Glass Removal And Preparing Opening For New Glazing, Add	6.00	
08 84 00 00-0003 SF 3/16" Thick, Clear Polycarbonate Glazing (GE Lexan)	14.86	
For >50 To 200, Deduct	-0.43	
For >200 To 400, Deduct	-0.86	
For >400, Deduct	-1.29	
For Glass Removal And Preparing Opening For New Glazing, Add	6.24	
08 84 00 00-0004 SF 1/4" Thick, Clear Polycarbonate Glazing (GE Lexan)	18.18	
For >50 To 200, Deduct	-0.58	
For >200 To 400, Deduct	-1.17	
For >400, Deduct	-1.75	
For Glass Removal And Preparing Opening For New Glazing, Add	6.49	
08 84 00 00-0005 SF 3/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	27.67	
For >50 To 200, Deduct	-1.05	
For >200 To 400, Deduct	-2.10	
For >400, Deduct	-3.15	
For Glass Removal And Preparing Opening For New Glazing, Add	6.67	
08 84 00 00-0006 SF 1/2" Thick, Clear Polycarbonate Glazing (GE Lexan)	35.70	
For >50 To 200, Deduct	-1.43	
For >200 To 400, Deduct	-2.85	
For >400, Deduct	-4.28	
For Glass Removal And Preparing Opening For New Glazing, Add	7.16	
08 84 00 00-0007 Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) (08 84)		
08 84 00 00-0008 SF 1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	22.56	
For >50 To 200, Deduct	-0.83	
For >200 To 400, Deduct	-1.66	
For >400, Deduct	-2.48	
For Glass Removal And Preparing Opening For New Glazing, Add	6.00	
08 84 00 00-0009 SF 3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	26.62	
For >50 To 200, Deduct	-1.02	
For >200 To 400, Deduct	-2.04	
For >400, Deduct	-3.06	
For Glass Removal And Preparing Opening For New Glazing, Add	6.24	
08 84 00 00-0010 SF 1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	28.18	
For >50 To 200, Deduct	-1.08	
For >200 To 400, Deduct	-2.17	
For >400, Deduct	-3.25	
For Glass Removal And Preparing Opening For New Glazing, Add	6.49	
08 84 00 00-0011 SF 3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	48.56	
For >50 To 200, Deduct	-2.09	
For >200 To 400, Deduct	-4.19	
For >400, Deduct	-6.28	
For Glass Removal And Preparing Opening For New Glazing, Add	6.67	
08 84 00 00-0012 SF 1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	51.56	
For >50 To 200, Deduct	-2.22	
For >200 To 400, Deduct	-4.44	
For >400, Deduct	-6.66	
For Glass Removal And Preparing Opening For New Glazing, Add	7.16	
08 84 00 00-0013 Clear Acrylic Glazing (Plexiglas) (08 84)		
08 84 00 00-0014 SF 1/10" Thick, Clear Acrylic Glazing (Plexiglas)	9.85	
For >50 To 200, Deduct	-0.21	
For >200 To 400, Deduct	-0.41	
For >400, Deduct	-0.62	
For Glass Removal And Preparing Opening For New Glazing, Add	5.73	
For Colored, Add	0.82	
For Shatterproof, Add	2.47	
For Mirrored, Add	3.30	



Openings	08	08
Glazing	08 80	
Plastic Glazing	08 84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0015	SF		1/8" Thick, Clear Acrylic Glazing (Plexiglas)	10.17	
			<i>For >50 To 200, Deduct</i>	-0.21	
			<i>For >200 To 400, Deduct</i>	-0.42	
			<i>For >400, Deduct</i>	-0.63	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.00	
			<i>For Colored, Add</i>	0.83	
			<i>For Shatterproof, Add</i>	2.50	
			<i>For Mirrored, Add</i>	3.34	
08 84 00 00-0016	SF		3/16" Thick, Clear Acrylic Glazing (Plexiglas)	12.75	
			<i>For >50 To 200, Deduct</i>	-0.33	
			<i>For >200 To 400, Deduct</i>	-0.65	
			<i>For >400, Deduct</i>	-0.98	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.24	
			<i>For Colored, Add</i>	1.30	
			<i>For Shatterproof, Add</i>	3.91	
			<i>For Mirrored, Add</i>	5.21	
08 84 00 00-0017	SF		1/4" Thick, Clear Acrylic Glazing (Plexiglas)	15.07	
			<i>For >50 To 200, Deduct</i>	-0.43	
			<i>For >200 To 400, Deduct</i>	-0.86	
			<i>For >400, Deduct</i>	-1.29	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.49	
			<i>For Colored, Add</i>	1.72	
			<i>For Shatterproof, Add</i>	5.15	
			<i>For Mirrored, Add</i>	6.86	
08 84 00 00-0018	SF		5/16" Thick, Clear Acrylic Glazing (Plexiglas)	15.51	
			<i>For >50 To 200, Deduct</i>	-0.45	
			<i>For >200 To 400, Deduct</i>	-0.90	
			<i>For >400, Deduct</i>	-1.35	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.52	
			<i>For Colored, Add</i>	1.80	
			<i>For Shatterproof, Add</i>	5.39	
			<i>For Mirrored, Add</i>	7.19	
08 84 00 00-0019	SF		3/8" Thick, Clear Acrylic Glazing (Plexiglas)	16.06	
			<i>For >50 To 200, Deduct</i>	-0.47	
			<i>For >200 To 400, Deduct</i>	-0.94	
			<i>For >400, Deduct</i>	-1.41	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.67	
			<i>For Colored, Add</i>	1.88	
			<i>For Shatterproof, Add</i>	5.63	
			<i>For Mirrored, Add</i>	7.51	
08 84 00 00-0020	SF		1/2" Thick, Clear Acrylic Glazing (Plexiglas)	19.58	
			<i>For >50 To 200, Deduct</i>	-0.62	
			<i>For >200 To 400, Deduct</i>	-1.24	
			<i>For >400, Deduct</i>	-1.86	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	7.16	
			<i>For Colored, Add</i>	2.48	
			<i>For Shatterproof, Add</i>	7.45	
			<i>For Mirrored, Add</i>	9.94	
08 84 00 00-0021	SF		3/4" Thick, Clear Acrylic Glazing (Plexiglas)	28.41	
			<i>For >50 To 200, Deduct</i>	-0.97	
			<i>For >200 To 400, Deduct</i>	-1.94	
			<i>For >400, Deduct</i>	-2.90	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.06	
08 84 00 00-0022	SF		1" Thick, Clear Acrylic Glazing (Plexiglas)	39.60	
			<i>For >50 To 200, Deduct</i>	-1.49	
			<i>For >200 To 400, Deduct</i>	-2.98	
			<i>For >400, Deduct</i>	-4.46	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.84	

08 85 Glazing Accessories (08 80)

Note: Applicable to reglazing tasks only, new window installations include the gasket.

08 85 00 00-0001 Framing For Glass Windscreens (08 85)

Note: Excludes glazing.

08 85 00 00-0002	LF		1-1/4" x 1-1/2" Aluminum Framed Window Walls	10.10	1.34
			<i>For Bronze Anodized Aluminum, Add</i>	0.96	
			<i>For Stainless Steel, Add</i>	4.03	
			<i>For Black Anodized Finish, Add</i>	1.73	
08 85 00 00-0003	LF		1-1/2" x 2" Aluminum Framed Window Walls	12.17	1.67
			<i>For Bronze Anodized Aluminum, Add</i>	1.22	
			<i>For Stainless Steel, Add</i>	5.09	
			<i>For Black Anodized Finish, Add</i>	2.20	
08 85 00 00-0004	LF		1-1/2" x 3" Aluminum Framed Window Walls	14.44	1.34
			<i>For Bronze Anodized Aluminum, Add</i>	1.46	
			<i>For Stainless Steel, Add</i>	6.08	
			<i>For Black Anodized Finish, Add</i>	2.63	
08 85 00 00-0005	LF		1-1/2" x 4" Aluminum Framed Window Walls	17.68	2.02
			<i>For Bronze Anodized Aluminum, Add</i>	1.75	
			<i>For Stainless Steel, Add</i>	7.29	
			<i>For Black Anodized Finish, Add</i>	3.14	
08 85 00 00-0006	LF		2" x 3" Aluminum Framed Window Walls	17.41	1.67
			<i>For Bronze Anodized Aluminum, Add</i>	1.86	
			<i>For Stainless Steel, Add</i>	7.68	
			<i>For Black Anodized Finish, Add</i>	3.34	

08	Openings
08 80	Glazing
08 85	Glazing Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 85 00 00-0007	LF		2" x 4" Aluminum Framed Window Walls.....	21.51	2.02
			<i>For Bronze Anodized Aluminum, Add</i>	2.22	
			<i>For Stainless Steel, Add</i>	9.21	
			<i>For Black Anodized Finish, Add</i>	3.99	
08 87			Glazing Surface Films (08 80)		
08 87 13			Solar Control Films (08 87)		
			Note: Applied directly to one side of glazing with adhesive.		
08 87 13 00-0001			Window Tinting And Film (08 87 13)		
			Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.		
08 87 13 00-0002	SF		Tinted, Solar Control Window Film.....	4.34	
08 87 13 00-0003	SF		Obscurant, Solar Control Window Film.....	4.34	
08 87 13 00-0004	SF		Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™).....	5.93	
08 87 13 00-0005	SF		Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™).....	6.25	
08 87 23			Safety And Security Films (08 87)		
08 87 23 16			Security Films (08 87 23)		
			Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.		
08 87 23 16-0001			High Performance, Security And Safety Glazing Films (08 87 23 16)		
			Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0002			Clear, High Performance, Security And Safety Glazing Films (08 87 23 16-0001)		
08 87 23 16-0003	SF		0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150).....	9.39	
			<i>For >1,000 To 5,000, Deduct</i>	-0.43	
			<i>For >5,000, Deduct</i>	-0.61	
08 87 23 16-0004	SF		0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400).....	9.98	
			<i>For >1,000 To 5,000, Deduct</i>	-0.45	
			<i>For >5,000, Deduct</i>	-0.67	
08 87 23 16-0005	SF		0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600).....	10.81	
			<i>For >1,000 To 5,000, Deduct</i>	-0.48	
			<i>For >5,000, Deduct</i>	-0.75	
08 87 23 16-0006			Tinted, High Performance Sun/Solar, Security And Safety Glazing Films (08 87 23 16-0001)		
08 87 23 16-0007	SF		0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400).....	10.64	
			<i>For >1,000 To 5,000, Deduct</i>	-0.47	
			<i>For >5,000, Deduct</i>	-0.73	
08 87 23 16-0008	SF		0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400).....	10.64	
			<i>For >1,000 To 5,000, Deduct</i>	-0.47	
			<i>For >5,000, Deduct</i>	-0.73	
08 87 23 16-0009	SF		0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400).....	10.64	
			<i>For >1,000 To 5,000, Deduct</i>	-0.47	
			<i>For >5,000, Deduct</i>	-0.73	
08 87 23 16-0010			Security And Safety Glazing Films (08 87 23 16)		
			Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0011	SF		0.007" Clear Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL).....	8.73	
			<i>For >1,000 To 5,000, Deduct</i>	-0.41	
			<i>For >5,000, Deduct</i>	-0.54	
08 87 23 16-0012	SF		0.008" Clear Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL).....	8.89	
			<i>For >1,000 To 5,000, Deduct</i>	-0.41	
			<i>For >5,000, Deduct</i>	-0.56	
08 87 23 16-0013	SF		0.014" Clear Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL).....	10.38	
			<i>For >1,000 To 5,000, Deduct</i>	-0.47	
			<i>For >5,000, Deduct</i>	-0.71	
08 87 23 16-0014			Anti-Graffiti Glazing Films (08 87 23 16)		
			Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0015	SF		0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4).....	8.73	
			<i>For >1,000 To 5,000, Deduct</i>	-0.41	
			<i>For >5,000, Deduct</i>	-0.54	
08 87 23 16-0016	SF		0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7).....	8.89	
			<i>For >1,000 To 5,000, Deduct</i>	-0.41	
			<i>For >5,000, Deduct</i>	-0.56	
08 88			Special Function Glazing (08 80)		
08 88 53			Security Glazing (08 88)		
08 88 53 00-0001			Forced Entry And/Or Ballistic Resistant All Glass Laminate (08 88 53)		
08 88 53 00-0002			Ballistic Resistant Glass (08 88 53 00-0001)		



Openings	08
Glazing	08 80
Special Function Glazing	08 88

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0003	SF	1.28" All Glass Laminate Ballistic Resistant Glass, Level 1, 16.2 LB/SF, For A Single Piece, Up To 15 SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	64.58 39.47	15.91
08 88 53 00-0004	SF	1.28" All Glass Laminate Ballistic Resistant Glass, Level 1, 16.2 LB/SF, For A Single Piece, >15 SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	73.09 39.47	15.91
08 88 53 00-0005	SF	1.55" All Glass Laminate Ballistic Resistant Glass, Level 2, 21.2 LB/SF, For A Single Piece, Up To 15 SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	82.81 44.56	17.82
08 88 53 00-0006	SF	1.55" All Glass Laminate Ballistic Resistant Glass, Level 2, 21.2 LB/SF, For A Single Piece, >15 SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	89.91 44.56	17.82
08 88 53 00-0007	SF	2.05" All Glass Laminate Ballistic Resistant Glass, Level 3, 26.1 LB/SF, For A Single Piece, Up To 15 SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	102.30 50.92	20.37
08 88 53 00-0008	SF	2.05" All Glass Laminate Ballistic Resistant Glass, Level 3, 26.1 LB/SF, For A Single Piece, >15 SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	108.01 50.92	20.37
08 88 53 00-0009		Forced Entry Resistant Glass <small>(08 88 53 00-0001)</small>		
08 88 53 00-0010	SF	5/16" Forced Entry Resistant Laminated Glass Sheet <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	24.75 9.95	4.77
08 88 53 00-0011	SF	1/2" Forced Entry Resistant Laminated Glass Sheet <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	27.91 10.61	5.10
08 88 53 00-0012	SF	11/16" Forced Entry Resistant Laminated Glass Sheet <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	31.63 11.36	5.41
08 88 53 00-0013	SF	7/8" Forced Entry Resistant Laminated Glass Sheet <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	35.56 12.24	6.05
08 88 53 00-0014		Glass Clad Polycarbonate <small>(08 88 53)</small>		
08 88 53 00-0015	SF	0.76" Ballistic Resistant Glass/Poly, Level 1, 6.4 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	90.73 48.38	19.10
08 88 53 00-0016	SF	0.8125" Ballistic Resistant Glass/Poly, Level 2, 8.99 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	102.21 56.01	22.41
08 88 53 00-0017	SF	1.18" Ballistic Resistant Glass/Poly, Level 3, 11.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	127.45 63.65	25.46
08 88 53 00-0018		Ballistic Resistant Acrylic <small>(08 88 53)</small>		
08 88 53 00-0019	SF	1.25" Ballistic Resistant Acrylic Glass, Level 1, 7.7 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	141.88 48.38	19.10
08 88 53 00-0020	SF	1.378" Ballistic Resistant Acrylic Glass, Level 2, 8.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	166.01 56.01	22.28
08 88 53 00-0021	SF	1.25" Ballistic Resistant Acrylic Glass, Level 3, 7.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	217.65 63.65	25.46
08 88 53 00-0022		Ballistic Resistant Fiberglass <small>(08 88 53)</small>		
08 88 53 00-0023	SF	5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	39.80 24.18	12.10
08 88 53 00-0024	SF	3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	46.85 28.01	14.00
08 88 53 00-0025	SF	7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	53.17 31.83	15.91
08 88 53 00-0026		Forced Entry And/Or Ballistic Resistant Polycarbonate <small>(08 88 53)</small>		
08 88 53 00-0027		Forced Entry Resistant Monolithic Polycarbonate <small>(08 88 53 00-0026)</small>		
		Note: GE-Lexan MR10.		
08 88 53 00-0028	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level 1 or ASTM F1233, Class II (Step 5). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	65.51 38.58	28.90
08 88 53 00-0029		Forced Entry Resistant Glass Clad Polycarbonate Laminate <small>(08 88 53 00-0026)</small>		
		Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0030	SF	9/16" Overall Nominal Thickness, H.P. White TP-0500.01, Level 1 <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	81.00 47.75	19.09
08 88 53 00-0031		Forced Entry Resistant Polycarbonate Laminate <small>(08 88 53 00-0026)</small>		
		Note: GE-Lexgard MPC-500.		
08 88 53 00-0032	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	98.92 50.92	36.66
08 88 53 00-0033		Fire Resistant, Forced Entry Resistant Polycarbonate Laminate <small>(08 88 53 00-0026)</small>		
		Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.		
08 88 53 00-0034	SF	7/8" Overall Nominal Thickness, H.P. White TP-0500.01, Level I Note: UL-9 Fire Resistant. <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	108.27 54.10	22.62

08	08	Openings
	08 80	Glazing
	08 88	Special Function Glazing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 88 53 00-0035	Insulated, Forced Entry Resistant Polycarbonate Laminate <small>(08 88 53 00-0026)</small> Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0036	SF 1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level I (1/4" tempered float glass, 1/2" airspace). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	92.89 47.75	19.09
08 88 53 00-0037	Ballistic And Forced Entry Resistant Polycarbonate Laminate <small>(08 88 53 00-0026)</small>		
08 88 53 00-0038	SF 1" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	213.92 105.66	42.52
08 88 53 00-0039	SF 1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	216.48 105.66	42.52
08 88 53 00-0040	Ballistic Resistant Glass Clad Polycarbonate Laminate <small>(08 88 53 00-0026)</small> Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.		
08 88 53 00-0041	SF 1-5/16" Overall Nominal Thickness, Ballistic Resistant Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	142.47 71.30	26.95

08 90 Louvers And Vents (08)

08 91 Louvers (08 90)

08 91 13 Motorized Wall Louvers (08 91)

08 91 13 00-0001	Motorized Wall Louver Actuator <small>(08 91 13)</small> See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.		
08 91 13 00-0002	EA 115 Volt Actuator For Adjustable Intake Louver.....	1,014.06	59.55
08 91 13 00-0003	EA 230 Volt Actuator For Adjustable Intake Louver.....	1,552.86	59.55
08 91 13 00-0004	EA 24 Volt Actuator For Adjustable Intake Louver.....	1,090.86	59.55
08 91 13 00-0005	EA 115 Volt Hazardous Location Actuator For Adjustable Intake Louver.....	4,253.46	59.55

08 91 16 Operable Wall Louvers (08 91)

08 91 16 00-0001	Adjustable Intake Wall Louvers <small>(08 91 16)</small> See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.		
08 91 16 00-0002	EA 12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	278.13 24.66 49.32 73.98 98.64 135.63	15.76
08 91 16 00-0003	EA 12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	347.53 30.90 61.80 92.70 123.60 169.95	19.27
08 91 16 00-0004	EA 12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	410.94 36.54 73.08 109.62 146.16 200.97	22.77
08 91 16 00-0005	EA 12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	480.94 42.84 85.68 128.52 171.36 235.62	26.28
08 91 16 00-0006	EA 12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	541.95 48.24 96.48 144.72 192.96 265.32	29.77



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0007	EA			12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	639.55	33.28
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	57.30	
				For Clear Lacquer Finish, Add	114.60	
				For Baked Enamel Standard Colors, Add	171.90	
				For Anodized Finish, Add	229.20	
				For Kynar™ Standard Colors Finish, Add	315.15	
08 91 16 00-0008	EA			12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	728.77	36.78
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	65.52	
				For Clear Lacquer Finish, Add	131.04	
				For Baked Enamel Standard Colors, Add	196.56	
				For Anodized Finish, Add	262.08	
				For Kynar™ Standard Colors Finish, Add	360.36	
08 91 16 00-0009	EA			12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	809.47	42.04
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	72.54	
				For Clear Lacquer Finish, Add	145.08	
				For Baked Enamel Standard Colors, Add	217.62	
				For Anodized Finish, Add	290.16	
				For Kynar™ Standard Colors Finish, Add	398.97	
08 91 16 00-0010	EA			12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	863.87	45.54
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	77.28	
				For Clear Lacquer Finish, Add	154.56	
				For Baked Enamel Standard Colors, Add	231.84	
				For Anodized Finish, Add	309.12	
				For Kynar™ Standard Colors Finish, Add	425.04	
08 91 16 00-0011	EA			12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	932.08	49.04
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	83.40	
				For Clear Lacquer Finish, Add	166.80	
				For Baked Enamel Standard Colors, Add	250.20	
				For Anodized Finish, Add	333.60	
				For Kynar™ Standard Colors Finish, Add	458.70	
08 91 16 00-0012	EA			12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	991.88	52.54
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	88.68	
				For Clear Lacquer Finish, Add	177.36	
				For Baked Enamel Standard Colors, Add	266.04	
				For Anodized Finish, Add	354.72	
				For Kynar™ Standard Colors Finish, Add	487.74	
08 91 16 00-0013	EA			12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,068.50	56.05
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	95.64	
				For Clear Lacquer Finish, Add	191.28	
				For Baked Enamel Standard Colors, Add	286.92	
				For Anodized Finish, Add	382.56	
				For Kynar™ Standard Colors Finish, Add	526.02	
08 91 16 00-0014	EA			12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,142.10	59.55
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	102.30	
				For Clear Lacquer Finish, Add	204.60	
				For Baked Enamel Standard Colors, Add	306.90	
				For Anodized Finish, Add	409.20	
				For Kynar™ Standard Colors Finish, Add	562.65	
08 91 16 00-0015	EA			12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	1,233.60	64.81
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	110.40	
				For Clear Lacquer Finish, Add	220.80	
				For Baked Enamel Standard Colors, Add	331.20	
				For Anodized Finish, Add	441.60	
				For Kynar™ Standard Colors Finish, Add	607.20	
08 91 16 00-0016	EA			12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	1,301.12	70.06
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	116.10	
				For Clear Lacquer Finish, Add	232.20	
				For Baked Enamel Standard Colors, Add	348.30	
				For Anodized Finish, Add	464.40	
				For Kynar™ Standard Colors Finish, Add	638.55	
08 91 16 00-0017	EA			18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	312.13	19.27
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	27.36	
				For Clear Lacquer Finish, Add	54.72	
				For Baked Enamel Standard Colors, Add	82.08	
				For Anodized Finish, Add	109.44	
				For Kynar™ Standard Colors Finish, Add	150.48	
08 91 16 00-0018	EA			18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	394.04	24.52
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	34.50	
				For Clear Lacquer Finish, Add	69.00	
				For Baked Enamel Standard Colors, Add	103.50	
				For Anodized Finish, Add	138.00	
				For Kynar™ Standard Colors Finish, Add	189.75	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0019	EA	18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	462.25	28.02
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	40.62	
		For Clear Lacquer Finish, Add	81.24	
		For Baked Enamel Standard Colors, Add	121.86	
		For Anodized Finish, Add	162.48	
		For Kynar™ Standard Colors Finish, Add	223.41	
08 91 16 00-0020	EA	18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	575.26	35.03
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	50.52	
		For Clear Lacquer Finish, Add	101.04	
		For Baked Enamel Standard Colors, Add	151.56	
		For Anodized Finish, Add	202.08	
		For Kynar™ Standard Colors Finish, Add	277.86	
08 91 16 00-0021	EA	18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	654.26	38.53
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	57.72	
		For Clear Lacquer Finish, Add	115.44	
		For Baked Enamel Standard Colors, Add	173.16	
		For Anodized Finish, Add	230.88	
		For Kynar™ Standard Colors Finish, Add	317.46	
08 91 16 00-0022	EA	18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	733.27	42.04
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	64.92	
		For Clear Lacquer Finish, Add	129.84	
		For Baked Enamel Standard Colors, Add	194.76	
		For Anodized Finish, Add	259.68	
		For Kynar™ Standard Colors Finish, Add	357.06	
08 91 16 00-0023	EA	18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	827.87	45.54
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	73.68	
		For Clear Lacquer Finish, Add	147.36	
		For Baked Enamel Standard Colors, Add	221.04	
		For Anodized Finish, Add	294.72	
		For Kynar™ Standard Colors Finish, Add	405.24	
08 91 16 00-0024	EA	18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	918.19	50.79
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	81.66	
		For Clear Lacquer Finish, Add	163.32	
		For Baked Enamel Standard Colors, Add	244.98	
		For Anodized Finish, Add	326.64	
		For Kynar™ Standard Colors Finish, Add	449.13	
08 91 16 00-0025	EA	18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	990.50	56.05
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	87.84	
		For Clear Lacquer Finish, Add	175.68	
		For Baked Enamel Standard Colors, Add	263.52	
		For Anodized Finish, Add	351.36	
		For Kynar™ Standard Colors Finish, Add	483.12	
08 91 16 00-0026	EA	18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,059.90	59.55
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	94.08	
		For Clear Lacquer Finish, Add	188.16	
		For Baked Enamel Standard Colors, Add	282.24	
		For Anodized Finish, Add	376.32	
		For Kynar™ Standard Colors Finish, Add	517.44	
08 91 16 00-0027	EA	18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,125.11	63.05
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	99.90	
		For Clear Lacquer Finish, Add	199.80	
		For Baked Enamel Standard Colors, Add	299.70	
		For Anodized Finish, Add	399.60	
		For Kynar™ Standard Colors Finish, Add	549.45	
08 91 16 00-0028	EA	18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,209.51	66.55
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	107.64	
		For Clear Lacquer Finish, Add	215.28	
		For Baked Enamel Standard Colors, Add	322.92	
		For Anodized Finish, Add	430.56	
		For Kynar™ Standard Colors Finish, Add	592.02	
08 91 16 00-0029	EA	18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,290.92	70.06
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	115.08	
		For Clear Lacquer Finish, Add	230.16	
		For Baked Enamel Standard Colors, Add	345.24	
		For Anodized Finish, Add	460.32	
		For Kynar™ Standard Colors Finish, Add	632.94	
08 91 16 00-0030	EA	18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	1,390.23	75.31
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	123.96	
		For Clear Lacquer Finish, Add	247.92	
		For Baked Enamel Standard Colors, Add	371.88	
		For Anodized Finish, Add	495.84	
		For Kynar™ Standard Colors Finish, Add	681.78	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0031 EA 18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	1,465.53	80.57
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	130.44	
For Clear Lacquer Finish, Add	260.88	
For Baked Enamel Standard Colors, Add	391.32	
For Anodized Finish, Add	521.76	
For Kynar™ Standard Colors Finish, Add	717.42	
08 91 16 00-0032 EA 24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	349.14	22.77
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	30.36	
For Clear Lacquer Finish, Add	60.72	
For Baked Enamel Standard Colors, Add	91.08	
For Anodized Finish, Add	121.44	
For Kynar™ Standard Colors Finish, Add	166.98	
08 91 16 00-0033 EA 24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	443.05	28.02
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	38.70	
For Clear Lacquer Finish, Add	77.40	
For Baked Enamel Standard Colors, Add	116.10	
For Anodized Finish, Add	154.80	
For Kynar™ Standard Colors Finish, Add	212.85	
08 91 16 00-0034 EA 24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	548.95	33.28
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	48.24	
For Clear Lacquer Finish, Add	96.48	
For Baked Enamel Standard Colors, Add	144.72	
For Anodized Finish, Add	192.96	
For Kynar™ Standard Colors Finish, Add	265.32	
08 91 16 00-0035 EA 24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	647.57	40.29
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	56.70	
For Clear Lacquer Finish, Add	113.40	
For Baked Enamel Standard Colors, Add	170.10	
For Anodized Finish, Add	226.80	
For Kynar™ Standard Colors Finish, Add	311.85	
08 91 16 00-0036 EA 24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	734.38	43.78
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	64.68	
For Clear Lacquer Finish, Add	129.36	
For Baked Enamel Standard Colors, Add	194.04	
For Anodized Finish, Add	258.72	
For Kynar™ Standard Colors Finish, Add	355.74	
08 91 16 00-0037 EA 24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	825.98	47.29
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	73.14	
For Clear Lacquer Finish, Add	146.28	
For Baked Enamel Standard Colors, Add	219.42	
For Anodized Finish, Add	292.56	
For Kynar™ Standard Colors Finish, Add	402.27	
08 91 16 00-0038 EA 24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	939.08	52.54
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	83.40	
For Clear Lacquer Finish, Add	166.80	
For Baked Enamel Standard Colors, Add	250.20	
For Anodized Finish, Add	333.60	
For Kynar™ Standard Colors Finish, Add	458.70	
08 91 16 00-0039 EA 24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,034.70	59.55
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	91.56	
For Clear Lacquer Finish, Add	183.12	
For Baked Enamel Standard Colors, Add	274.68	
For Anodized Finish, Add	366.24	
For Kynar™ Standard Colors Finish, Add	503.58	
08 91 16 00-0040 EA 24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,108.91	63.05
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	98.28	
For Clear Lacquer Finish, Add	196.56	
For Baked Enamel Standard Colors, Add	294.84	
For Anodized Finish, Add	393.12	
For Kynar™ Standard Colors Finish, Add	540.54	
08 91 16 00-0041 EA 24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,190.12	70.06
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	105.00	
For Clear Lacquer Finish, Add	210.00	
For Baked Enamel Standard Colors, Add	315.00	
For Anodized Finish, Add	420.00	
For Kynar™ Standard Colors Finish, Add	577.50	
08 91 16 00-0042 EA 24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,265.52	73.57
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	111.84	
For Clear Lacquer Finish, Add	223.68	
For Baked Enamel Standard Colors, Add	335.52	
For Anodized Finish, Add	447.36	
For Kynar™ Standard Colors Finish, Add	615.12	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0043	EA		24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,367.93	77.06
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	121.38	
			<i>For Clear Lacquer Finish, Add</i>	242.76	
			<i>For Baked Enamel Standard Colors, Add</i>	364.14	
			<i>For Anodized Finish, Add</i>	485.52	
			<i>For Kynar™ Standard Colors Finish, Add</i>	667.59	
08 91 16 00-0044	EA		24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,454.73	80.57
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	129.36	
			<i>For Clear Lacquer Finish, Add</i>	258.72	
			<i>For Baked Enamel Standard Colors, Add</i>	388.08	
			<i>For Anodized Finish, Add</i>	517.44	
			<i>For Kynar™ Standard Colors Finish, Add</i>	711.48	
08 91 16 00-0045	EA		24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	1,564.24	85.82
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	139.26	
			<i>For Clear Lacquer Finish, Add</i>	278.52	
			<i>For Baked Enamel Standard Colors, Add</i>	417.78	
			<i>For Anodized Finish, Add</i>	557.04	
			<i>For Kynar™ Standard Colors Finish, Add</i>	765.93	
08 91 16 00-0046	EA		24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	1,644.96	91.07
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	146.28	
			<i>For Clear Lacquer Finish, Add</i>	292.56	
			<i>For Baked Enamel Standard Colors, Add</i>	438.84	
			<i>For Anodized Finish, Add</i>	585.12	
			<i>For Kynar™ Standard Colors Finish, Add</i>	804.54	
08 91 16 00-0047	EA		30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	389.14	26.28
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	33.66	
			<i>For Clear Lacquer Finish, Add</i>	67.32	
			<i>For Baked Enamel Standard Colors, Add</i>	100.98	
			<i>For Anodized Finish, Add</i>	134.64	
			<i>For Kynar™ Standard Colors Finish, Add</i>	185.13	
08 91 16 00-0048	EA		30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	518.26	35.03
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	44.82	
			<i>For Clear Lacquer Finish, Add</i>	89.64	
			<i>For Baked Enamel Standard Colors, Add</i>	134.46	
			<i>For Anodized Finish, Add</i>	179.28	
			<i>For Kynar™ Standard Colors Finish, Add</i>	246.51	
08 91 16 00-0049	EA		30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	615.17	40.29
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	53.46	
			<i>For Clear Lacquer Finish, Add</i>	106.92	
			<i>For Baked Enamel Standard Colors, Add</i>	160.38	
			<i>For Anodized Finish, Add</i>	213.84	
			<i>For Kynar™ Standard Colors Finish, Add</i>	294.03	
08 91 16 00-0050	EA		30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	721.07	45.54
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	63.00	
			<i>For Clear Lacquer Finish, Add</i>	126.00	
			<i>For Baked Enamel Standard Colors, Add</i>	189.00	
			<i>For Anodized Finish, Add</i>	252.00	
			<i>For Kynar™ Standard Colors Finish, Add</i>	346.50	
08 91 16 00-0051	EA		30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	815.68	49.04
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	71.76	
			<i>For Clear Lacquer Finish, Add</i>	143.52	
			<i>For Baked Enamel Standard Colors, Add</i>	215.28	
			<i>For Anodized Finish, Add</i>	287.04	
			<i>For Kynar™ Standard Colors Finish, Add</i>	394.68	
08 91 16 00-0052	EA		30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	913.79	54.29
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	80.52	
			<i>For Clear Lacquer Finish, Add</i>	161.04	
			<i>For Baked Enamel Standard Colors, Add</i>	241.56	
			<i>For Anodized Finish, Add</i>	322.08	
			<i>For Kynar™ Standard Colors Finish, Add</i>	442.86	
08 91 16 00-0053	EA		30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,031.19	57.80
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	91.56	
			<i>For Clear Lacquer Finish, Add</i>	183.12	
			<i>For Baked Enamel Standard Colors, Add</i>	274.68	
			<i>For Anodized Finish, Add</i>	366.24	
			<i>For Kynar™ Standard Colors Finish, Add</i>	503.58	
08 91 16 00-0054	EA		30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,131.71	63.05
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	100.56	
			<i>For Clear Lacquer Finish, Add</i>	201.12	
			<i>For Baked Enamel Standard Colors, Add</i>	301.68	
			<i>For Anodized Finish, Add</i>	402.24	
			<i>For Kynar™ Standard Colors Finish, Add</i>	553.08	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0055	EA		30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,214.31	66.55
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	108.12	
			For Clear Lacquer Finish, Add	216.24	
			For Baked Enamel Standard Colors, Add	324.36	
			For Anodized Finish, Add	432.48	
			For Kynar™ Standard Colors Finish, Add	594.66	
08 91 16 00-0056	EA		30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,305.12	73.57
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	115.80	
			For Clear Lacquer Finish, Add	231.60	
			For Baked Enamel Standard Colors, Add	347.40	
			For Anodized Finish, Add	463.20	
			For Kynar™ Standard Colors Finish, Add	636.90	
08 91 16 00-0057	EA		30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,391.83	78.82
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	123.42	
			For Clear Lacquer Finish, Add	246.84	
			For Baked Enamel Standard Colors, Add	370.26	
			For Anodized Finish, Add	493.68	
			For Kynar™ Standard Colors Finish, Add	678.81	
08 91 16 00-0058	EA		30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,500.84	82.31
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	133.62	
			For Clear Lacquer Finish, Add	267.24	
			For Baked Enamel Standard Colors, Add	400.86	
			For Anodized Finish, Add	534.48	
			For Kynar™ Standard Colors Finish, Add	734.91	
08 91 16 00-0059	EA		30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,595.44	85.82
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	142.38	
			For Clear Lacquer Finish, Add	284.76	
			For Baked Enamel Standard Colors, Add	427.14	
			For Anodized Finish, Add	569.52	
			For Kynar™ Standard Colors Finish, Add	783.09	
08 91 16 00-0060	EA		30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	1,710.36	91.07
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	152.82	
			For Clear Lacquer Finish, Add	305.64	
			For Baked Enamel Standard Colors, Add	458.46	
			For Anodized Finish, Add	611.28	
			For Kynar™ Standard Colors Finish, Add	840.51	
08 91 16 00-0061	EA		30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	1,801.86	96.33
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	160.92	
			For Clear Lacquer Finish, Add	321.84	
			For Baked Enamel Standard Colors, Add	482.76	
			For Anodized Finish, Add	643.68	
			For Kynar™ Standard Colors Finish, Add	885.06	
08 91 16 00-0062	EA		36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	426.15	29.77
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	36.66	
			For Clear Lacquer Finish, Add	73.32	
			For Baked Enamel Standard Colors, Add	109.98	
			For Anodized Finish, Add	146.64	
			For Kynar™ Standard Colors Finish, Add	201.63	
08 91 16 00-0063	EA		36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	576.86	38.53
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	49.98	
			For Clear Lacquer Finish, Add	99.96	
			For Baked Enamel Standard Colors, Add	149.94	
			For Anodized Finish, Add	199.92	
			For Kynar™ Standard Colors Finish, Add	274.89	
08 91 16 00-0064	EA		36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	674.38	43.78
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	58.68	
			For Clear Lacquer Finish, Add	117.36	
			For Baked Enamel Standard Colors, Add	176.04	
			For Anodized Finish, Add	234.72	
			For Kynar™ Standard Colors Finish, Add	322.74	
08 91 16 00-0065	EA		36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	790.48	49.04
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	69.24	
			For Clear Lacquer Finish, Add	138.48	
			For Baked Enamel Standard Colors, Add	207.72	
			For Anodized Finish, Add	276.96	
			For Kynar™ Standard Colors Finish, Add	380.82	
08 91 16 00-0066	EA		36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	897.89	53.25
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	79.14	
			For Clear Lacquer Finish, Add	158.28	
			For Baked Enamel Standard Colors, Add	237.42	
			For Anodized Finish, Add	316.56	
			For Kynar™ Standard Colors Finish, Add	435.27	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0067 EA 36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	998.79	57.80
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	88.32	
For Clear Lacquer Finish, Add	176.64	
For Baked Enamel Standard Colors, Add	264.96	
For Anodized Finish, Add	353.28	
For Kynar™ Standard Colors Finish, Add	485.76	
08 91 16 00-0068 EA 36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,130.00	61.30
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	100.74	
For Clear Lacquer Finish, Add	201.48	
For Baked Enamel Standard Colors, Add	302.22	
For Anodized Finish, Add	402.96	
For Kynar™ Standard Colors Finish, Add	554.07	
08 91 16 00-0069 EA 36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,243.11	66.55
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	111.00	
For Clear Lacquer Finish, Add	222.00	
For Baked Enamel Standard Colors, Add	333.00	
For Anodized Finish, Add	444.00	
For Kynar™ Standard Colors Finish, Add	610.50	
08 91 16 00-0070 EA 36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,335.22	71.81
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	119.16	
For Clear Lacquer Finish, Add	238.32	
For Baked Enamel Standard Colors, Add	357.48	
For Anodized Finish, Add	476.64	
For Kynar™ Standard Colors Finish, Add	655.38	
08 91 16 00-0071 EA 36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,429.73	77.06
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	127.56	
For Clear Lacquer Finish, Add	255.12	
For Baked Enamel Standard Colors, Add	382.68	
For Anodized Finish, Add	510.24	
For Kynar™ Standard Colors Finish, Add	701.58	
08 91 16 00-0072 EA 36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,527.24	82.31
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	136.26	
For Clear Lacquer Finish, Add	272.52	
For Baked Enamel Standard Colors, Add	408.78	
For Anodized Finish, Add	545.04	
For Kynar™ Standard Colors Finish, Add	749.43	
08 91 16 00-0073 EA 36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,646.44	85.82
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	147.48	
For Clear Lacquer Finish, Add	294.96	
For Baked Enamel Standard Colors, Add	442.44	
For Anodized Finish, Add	589.92	
For Kynar™ Standard Colors Finish, Add	811.14	
08 91 16 00-0074 EA 36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,748.25	89.33
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	156.96	
For Clear Lacquer Finish, Add	313.92	
For Baked Enamel Standard Colors, Add	470.88	
For Anodized Finish, Add	627.84	
For Kynar™ Standard Colors Finish, Add	863.28	
08 91 16 00-0075 EA 36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	1,878.16	94.58
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	168.90	
For Clear Lacquer Finish, Add	337.80	
For Baked Enamel Standard Colors, Add	506.70	
For Anodized Finish, Add	675.60	
For Kynar™ Standard Colors Finish, Add	928.95	
08 91 16 00-0076 EA 36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	1,975.06	99.83
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	177.54	
For Clear Lacquer Finish, Add	355.08	
For Baked Enamel Standard Colors, Add	532.62	
For Anodized Finish, Add	710.16	
For Kynar™ Standard Colors Finish, Add	976.47	
08 91 16 00-0077 EA 42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	487.75	33.28
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	42.12	
For Clear Lacquer Finish, Add	84.24	
For Baked Enamel Standard Colors, Add	126.36	
For Anodized Finish, Add	168.48	
For Kynar™ Standard Colors Finish, Add	231.66	
08 91 16 00-0078 EA 42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	622.27	42.04
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	53.82	
For Clear Lacquer Finish, Add	107.64	
For Baked Enamel Standard Colors, Add	161.46	
For Anodized Finish, Add	215.28	
For Kynar™ Standard Colors Finish, Add	296.01	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0079 EA 42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	730.58	47.29
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	63.60	
For Clear Lacquer Finish, Add	127.20	
For Baked Enamel Standard Colors, Add	190.80	
For Anodized Finish, Add	254.40	
For Kynar™ Standard Colors Finish, Add	349.80	
08 91 16 00-0080 EA 42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	854.39	54.29
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	74.58	
For Clear Lacquer Finish, Add	149.16	
For Baked Enamel Standard Colors, Add	223.74	
For Anodized Finish, Add	298.32	
For Kynar™ Standard Colors Finish, Add	410.19	
08 91 16 00-0081 EA 42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	968.79	57.80
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	85.32	
For Clear Lacquer Finish, Add	170.64	
For Baked Enamel Standard Colors, Add	255.96	
For Anodized Finish, Add	341.28	
For Kynar™ Standard Colors Finish, Add	469.26	
08 91 16 00-0082 EA 42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,077.20	61.30
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	95.46	
For Clear Lacquer Finish, Add	190.92	
For Baked Enamel Standard Colors, Add	286.38	
For Anodized Finish, Add	381.84	
For Kynar™ Standard Colors Finish, Add	525.03	
08 91 16 00-0083 EA 42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,219.80	64.81
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	109.02	
For Clear Lacquer Finish, Add	218.04	
For Baked Enamel Standard Colors, Add	327.06	
For Anodized Finish, Add	436.08	
For Kynar™ Standard Colors Finish, Add	599.61	
08 91 16 00-0084 EA 42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,334.72	70.06
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	119.46	
For Clear Lacquer Finish, Add	238.92	
For Baked Enamel Standard Colors, Add	358.38	
For Anodized Finish, Add	477.84	
For Kynar™ Standard Colors Finish, Add	657.03	
08 91 16 00-0085 EA 42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,438.23	75.31
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	128.76	
For Clear Lacquer Finish, Add	257.52	
For Baked Enamel Standard Colors, Add	386.28	
For Anodized Finish, Add	515.04	
For Kynar™ Standard Colors Finish, Add	708.18	
08 91 16 00-0086 EA 42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,535.13	80.57
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	137.40	
For Clear Lacquer Finish, Add	274.80	
For Baked Enamel Standard Colors, Add	412.20	
For Anodized Finish, Add	549.60	
For Kynar™ Standard Colors Finish, Add	755.70	
08 91 16 00-0087 EA 42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,641.04	85.82
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	146.94	
For Clear Lacquer Finish, Add	293.88	
For Baked Enamel Standard Colors, Add	440.82	
For Anodized Finish, Add	587.76	
For Kynar™ Standard Colors Finish, Add	808.17	
08 91 16 00-0088 EA 42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,769.25	89.33
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	159.06	
For Clear Lacquer Finish, Add	318.12	
For Baked Enamel Standard Colors, Add	477.18	
For Anodized Finish, Add	636.24	
For Kynar™ Standard Colors Finish, Add	874.83	
08 91 16 00-0089 EA 42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,880.65	92.83
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	169.50	
For Clear Lacquer Finish, Add	339.00	
For Baked Enamel Standard Colors, Add	508.50	
For Anodized Finish, Add	678.00	
For Kynar™ Standard Colors Finish, Add	932.25	
08 91 16 00-0090 EA 42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,026.17	98.08
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	183.00	
For Clear Lacquer Finish, Add	366.00	
For Baked Enamel Standard Colors, Add	549.00	
For Anodized Finish, Add	732.00	
For Kynar™ Standard Colors Finish, Add	1,006.50	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0091 EA 42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,127.27	103.34
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	192.06	
For Clear Lacquer Finish, Add	384.12	
For Baked Enamel Standard Colors, Add	576.18	
For Anodized Finish, Add	768.24	
For Kynar™ Standard Colors Finish, Add	1,056.33	
08 91 16 00-0092 EA 48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	527.77	36.78
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	45.42	
For Clear Lacquer Finish, Add	90.84	
For Baked Enamel Standard Colors, Add	136.26	
For Anodized Finish, Add	181.68	
For Kynar™ Standard Colors Finish, Add	249.81	
08 91 16 00-0093 EA 48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	670.67	45.54
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	57.96	
For Clear Lacquer Finish, Add	115.92	
For Baked Enamel Standard Colors, Add	173.88	
For Anodized Finish, Add	231.84	
For Kynar™ Standard Colors Finish, Add	318.78	
08 91 16 00-0094 EA 48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	793.88	52.54
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	68.88	
For Clear Lacquer Finish, Add	137.76	
For Baked Enamel Standard Colors, Add	206.64	
For Anodized Finish, Add	275.52	
For Kynar™ Standard Colors Finish, Add	378.84	
08 91 16 00-0095 EA 48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	920.79	57.80
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	80.52	
For Clear Lacquer Finish, Add	161.04	
For Baked Enamel Standard Colors, Add	241.56	
For Anodized Finish, Add	322.08	
For Kynar™ Standard Colors Finish, Add	442.86	
08 91 16 00-0096 EA 48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,047.20	61.30
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	92.46	
For Clear Lacquer Finish, Add	184.92	
For Baked Enamel Standard Colors, Add	277.38	
For Anodized Finish, Add	369.84	
For Kynar™ Standard Colors Finish, Add	508.53	
08 91 16 00-0097 EA 48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,169.40	64.81
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	103.98	
For Clear Lacquer Finish, Add	207.96	
For Baked Enamel Standard Colors, Add	311.94	
For Anodized Finish, Add	415.92	
For Kynar™ Standard Colors Finish, Add	571.89	
08 91 16 00-0098 EA 48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,321.52	70.06
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	118.14	
For Clear Lacquer Finish, Add	236.28	
For Baked Enamel Standard Colors, Add	354.42	
For Anodized Finish, Add	472.56	
For Kynar™ Standard Colors Finish, Add	649.77	
08 91 16 00-0099 EA 48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,447.23	75.31
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	129.66	
For Clear Lacquer Finish, Add	259.32	
For Baked Enamel Standard Colors, Add	388.98	
For Anodized Finish, Add	518.64	
For Kynar™ Standard Colors Finish, Add	713.13	
08 91 16 00-0100 EA 48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,556.13	80.57
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	139.50	
For Clear Lacquer Finish, Add	279.00	
For Baked Enamel Standard Colors, Add	418.50	
For Anodized Finish, Add	558.00	
For Kynar™ Standard Colors Finish, Add	767.25	
08 91 16 00-0101 EA 48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,666.84	85.82
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	149.52	
For Clear Lacquer Finish, Add	299.04	
For Baked Enamel Standard Colors, Add	448.56	
For Anodized Finish, Add	598.08	
For Kynar™ Standard Colors Finish, Add	822.36	
08 91 16 00-0102 EA 48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,775.16	91.07
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	159.30	
For Clear Lacquer Finish, Add	318.60	
For Baked Enamel Standard Colors, Add	477.90	
For Anodized Finish, Add	637.20	
For Kynar™ Standard Colors Finish, Add	876.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0103 EA 48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,920.16	94.58
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	173.10	
<i>For Clear Lacquer Finish, Add</i>	346.20	
<i>For Baked Enamel Standard Colors, Add</i>	519.30	
<i>For Anodized Finish, Add</i>	692.40	
<i>For Kynar™ Standard Colors Finish, Add</i>	952.05	
08 91 16 00-0104 EA 48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,040.57	98.08
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	184.44	
<i>For Clear Lacquer Finish, Add</i>	368.88	
<i>For Baked Enamel Standard Colors, Add</i>	553.32	
<i>For Anodized Finish, Add</i>	737.76	
<i>For Kynar™ Standard Colors Finish, Add</i>	1,014.42	
08 91 16 00-0105 EA 48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,189.17	101.59
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	198.60	
<i>For Clear Lacquer Finish, Add</i>	397.20	
<i>For Baked Enamel Standard Colors, Add</i>	595.80	
<i>For Anodized Finish, Add</i>	794.40	
<i>For Kynar™ Standard Colors Finish, Add</i>	1,092.30	
08 91 16 00-0106 EA 48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,300.48	106.84
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	208.68	
<i>For Clear Lacquer Finish, Add</i>	417.36	
<i>For Baked Enamel Standard Colors, Add</i>	626.04	
<i>For Anodized Finish, Add</i>	834.72	
<i>For Kynar™ Standard Colors Finish, Add</i>	1,147.74	
08 91 16 00-0107 EA 54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	612.67	42.04
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	52.86	
<i>For Clear Lacquer Finish, Add</i>	105.72	
<i>For Baked Enamel Standard Colors, Add</i>	158.58	
<i>For Anodized Finish, Add</i>	211.44	
<i>For Kynar™ Standard Colors Finish, Add</i>	290.73	
08 91 16 00-0108 EA 54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	785.59	50.79
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	68.40	
<i>For Clear Lacquer Finish, Add</i>	136.80	
<i>For Baked Enamel Standard Colors, Add</i>	205.20	
<i>For Anodized Finish, Add</i>	273.60	
<i>For Kynar™ Standard Colors Finish, Add</i>	376.20	
08 91 16 00-0109 EA 54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	920.70	59.55
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	80.16	
<i>For Clear Lacquer Finish, Add</i>	160.32	
<i>For Baked Enamel Standard Colors, Add</i>	240.48	
<i>For Anodized Finish, Add</i>	320.64	
<i>For Kynar™ Standard Colors Finish, Add</i>	440.88	
08 91 16 00-0110 EA 54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,057.91	63.05
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	93.18	
<i>For Clear Lacquer Finish, Add</i>	186.36	
<i>For Baked Enamel Standard Colors, Add</i>	279.54	
<i>For Anodized Finish, Add</i>	372.72	
<i>For Kynar™ Standard Colors Finish, Add</i>	512.49	
08 91 16 00-0111 EA 54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,207.11	66.55
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	107.40	
<i>For Clear Lacquer Finish, Add</i>	214.80	
<i>For Baked Enamel Standard Colors, Add</i>	322.20	
<i>For Anodized Finish, Add</i>	429.60	
<i>For Kynar™ Standard Colors Finish, Add</i>	590.70	
08 91 16 00-0112 EA 54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,340.72	70.06
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	120.06	
<i>For Clear Lacquer Finish, Add</i>	240.12	
<i>For Baked Enamel Standard Colors, Add</i>	360.18	
<i>For Anodized Finish, Add</i>	480.24	
<i>For Kynar™ Standard Colors Finish, Add</i>	660.33	
08 91 16 00-0113 EA 54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,517.43	75.31
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	136.68	
<i>For Clear Lacquer Finish, Add</i>	273.36	
<i>For Baked Enamel Standard Colors, Add</i>	410.04	
<i>For Anodized Finish, Add</i>	546.72	
<i>For Kynar™ Standard Colors Finish, Add</i>	751.74	
08 91 16 00-0114 EA 54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,689.33	80.57
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	152.82	
<i>For Clear Lacquer Finish, Add</i>	305.64	
<i>For Baked Enamel Standard Colors, Add</i>	458.46	
<i>For Anodized Finish, Add</i>	611.28	
<i>For Kynar™ Standard Colors Finish, Add</i>	840.51	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	16 00-0115	EA	54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,818.04	85.82
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	164.64	
			For Clear Lacquer Finish, Add	329.28	
			For Baked Enamel Standard Colors, Add	493.92	
			For Anodized Finish, Add	658.56	
			For Kynar™ Standard Colors Finish, Add	905.52	
08 91	16 00-0116	EA	54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,944.96	91.07
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	176.28	
			For Clear Lacquer Finish, Add	352.56	
			For Baked Enamel Standard Colors, Add	528.84	
			For Anodized Finish, Add	705.12	
			For Kynar™ Standard Colors Finish, Add	969.54	
08 91	16 00-0117	EA	54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,067.16	94.58
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	187.80	
			For Clear Lacquer Finish, Add	375.60	
			For Baked Enamel Standard Colors, Add	563.40	
			For Anodized Finish, Add	751.20	
			For Kynar™ Standard Colors Finish, Add	1,032.90	
08 91	16 00-0118	EA	54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,228.97	98.08
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	203.28	
			For Clear Lacquer Finish, Add	406.56	
			For Baked Enamel Standard Colors, Add	609.84	
			For Anodized Finish, Add	813.12	
			For Kynar™ Standard Colors Finish, Add	1,118.04	
08 91	16 00-0119	EA	54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,363.77	101.59
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	216.06	
			For Clear Lacquer Finish, Add	432.12	
			For Baked Enamel Standard Colors, Add	648.18	
			For Anodized Finish, Add	864.24	
			For Kynar™ Standard Colors Finish, Add	1,188.33	
08 91	16 00-0120	EA	54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,537.58	105.08
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	232.74	
			For Clear Lacquer Finish, Add	465.48	
			For Baked Enamel Standard Colors, Add	698.22	
			For Anodized Finish, Add	930.96	
			For Kynar™ Standard Colors Finish, Add	1,280.07	
08 91	16 00-0121	EA	54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,667.49	110.34
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	244.68	
			For Clear Lacquer Finish, Add	489.36	
			For Baked Enamel Standard Colors, Add	734.04	
			For Anodized Finish, Add	978.72	
			For Kynar™ Standard Colors Finish, Add	1,345.74	
08 91	16 00-0122	EA	60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	650.27	45.54
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	55.92	
			For Clear Lacquer Finish, Add	111.84	
			For Baked Enamel Standard Colors, Add	167.76	
			For Anodized Finish, Add	223.68	
			For Kynar™ Standard Colors Finish, Add	307.56	
08 91	16 00-0123	EA	60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	837.50	56.05
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	72.54	
			For Clear Lacquer Finish, Add	145.08	
			For Baked Enamel Standard Colors, Add	217.62	
			For Anodized Finish, Add	290.16	
			For Kynar™ Standard Colors Finish, Add	398.97	
08 91	16 00-0124	EA	60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	975.71	63.05
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	84.96	
			For Clear Lacquer Finish, Add	169.92	
			For Baked Enamel Standard Colors, Add	254.88	
			For Anodized Finish, Add	339.84	
			For Kynar™ Standard Colors Finish, Add	467.28	
08 91	16 00-0125	EA	60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,126.71	66.55
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	99.36	
			For Clear Lacquer Finish, Add	198.72	
			For Baked Enamel Standard Colors, Add	298.08	
			For Anodized Finish, Add	397.44	
			For Kynar™ Standard Colors Finish, Add	546.48	
08 91	16 00-0126	EA	60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,284.82	71.81
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	114.12	
			For Clear Lacquer Finish, Add	228.24	
			For Baked Enamel Standard Colors, Add	342.36	
			For Anodized Finish, Add	456.48	
			For Kynar™ Standard Colors Finish, Add	627.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0127 EA 60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,426.23	75.31
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	127.56	
For Clear Lacquer Finish, Add	255.12	
For Baked Enamel Standard Colors, Add	382.68	
For Anodized Finish, Add	510.24	
For Kynar™ Standard Colors Finish, Add	701.58	
08 91 16 00-0128 EA 60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,615.53	80.57
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	145.44	
For Clear Lacquer Finish, Add	290.88	
For Baked Enamel Standard Colors, Add	436.32	
For Anodized Finish, Add	581.76	
For Kynar™ Standard Colors Finish, Add	799.92	
08 91 16 00-0129 EA 60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,792.24	85.82
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	162.06	
For Clear Lacquer Finish, Add	324.12	
For Baked Enamel Standard Colors, Add	486.18	
For Anodized Finish, Add	648.24	
For Kynar™ Standard Colors Finish, Add	891.33	
08 91 16 00-0130 EA 60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,929.96	91.07
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	174.78	
For Clear Lacquer Finish, Add	349.56	
For Baked Enamel Standard Colors, Add	524.34	
For Anodized Finish, Add	699.12	
For Kynar™ Standard Colors Finish, Add	961.29	
08 91 16 00-0131 EA 60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,065.26	96.33
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	187.26	
For Clear Lacquer Finish, Add	374.52	
For Baked Enamel Standard Colors, Add	561.78	
For Anodized Finish, Add	749.04	
For Kynar™ Standard Colors Finish, Add	1,029.93	
08 91 16 00-0132 EA 60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,195.26	99.83
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	199.56	
For Clear Lacquer Finish, Add	399.12	
For Baked Enamel Standard Colors, Add	598.68	
For Anodized Finish, Add	798.24	
For Kynar™ Standard Colors Finish, Add	1,097.58	
08 91 16 00-0133 EA 60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,370.87	103.34
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	216.42	
For Clear Lacquer Finish, Add	432.84	
For Baked Enamel Standard Colors, Add	649.26	
For Anodized Finish, Add	865.68	
For Kynar™ Standard Colors Finish, Add	1,190.31	
08 91 16 00-0134 EA 60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,512.28	106.84
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	229.86	
For Clear Lacquer Finish, Add	459.72	
For Baked Enamel Standard Colors, Add	689.58	
For Anodized Finish, Add	919.44	
For Kynar™ Standard Colors Finish, Add	1,264.23	
08 91 16 00-0135 EA 60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,695.09	110.34
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	247.44	
For Clear Lacquer Finish, Add	494.88	
For Baked Enamel Standard Colors, Add	742.32	
For Anodized Finish, Add	989.76	
For Kynar™ Standard Colors Finish, Add	1,360.92	
08 91 16 00-0136 EA 60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,829.29	113.84
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	260.16	
For Clear Lacquer Finish, Add	520.32	
For Baked Enamel Standard Colors, Add	780.48	
For Anodized Finish, Add	1,040.64	
For Kynar™ Standard Colors Finish, Add	1,430.88	
08 91 16 00-0137 Adjustable Intake Wall Louvers Operators <small>(08 91 16)</small>		
08 91 16 00-0138 EA 5' Chain Actuator For Adjustable Intake Louver.....	164.63	17.52
08 91 16 00-0139 EA Panel Crank For Adjustable Intake Louver	360.81	7.00

08 91 19 Fixed Louvers (08 91)

08 91 19 00-0001 Fixed Intake Wall Louvers (08 91 19)

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0002	EA	12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	212.73	15.76
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	18.12	
			For Clear Lacquer Finish, Add	36.24	
			For Baked Enamel Standard Colors, Add	54.36	
			For Anodized Finish, Add	72.48	
			For Kynar™ Standard Colors Finish, Add	99.66	
08 91	19 00-0003	EA	12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	252.73	19.27
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	21.42	
			For Clear Lacquer Finish, Add	42.84	
			For Baked Enamel Standard Colors, Add	64.26	
			For Anodized Finish, Add	85.68	
			For Kynar™ Standard Colors Finish, Add	117.81	
08 91	19 00-0004	EA	12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	293.34	22.77
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	24.78	
			For Clear Lacquer Finish, Add	49.56	
			For Baked Enamel Standard Colors, Add	74.34	
			For Anodized Finish, Add	99.12	
			For Kynar™ Standard Colors Finish, Add	136.29	
08 91	19 00-0005	EA	12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	344.14	26.28
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	29.16	
			For Clear Lacquer Finish, Add	58.32	
			For Baked Enamel Standard Colors, Add	87.48	
			For Anodized Finish, Add	116.64	
			For Kynar™ Standard Colors Finish, Add	160.38	
08 91	19 00-0006	EA	12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	387.15	29.77
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	32.76	
			For Clear Lacquer Finish, Add	65.52	
			For Baked Enamel Standard Colors, Add	98.28	
			For Anodized Finish, Add	131.04	
			For Kynar™ Standard Colors Finish, Add	180.18	
08 91	19 00-0007	EA	12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	456.55	33.28
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	39.00	
			For Clear Lacquer Finish, Add	78.00	
			For Baked Enamel Standard Colors, Add	117.00	
			For Anodized Finish, Add	156.00	
			For Kynar™ Standard Colors Finish, Add	214.50	
08 91	19 00-0008	EA	12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	494.77	36.78
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	42.12	
			For Clear Lacquer Finish, Add	84.24	
			For Baked Enamel Standard Colors, Add	126.36	
			For Anodized Finish, Add	168.48	
			For Kynar™ Standard Colors Finish, Add	231.66	
08 91	19 00-0009	EA	12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	553.27	42.04
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	46.92	
			For Clear Lacquer Finish, Add	93.84	
			For Baked Enamel Standard Colors, Add	140.76	
			For Anodized Finish, Add	187.68	
			For Kynar™ Standard Colors Finish, Add	258.06	
08 91	19 00-0010	EA	12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	588.47	45.54
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	49.74	
			For Clear Lacquer Finish, Add	99.48	
			For Baked Enamel Standard Colors, Add	149.22	
			For Anodized Finish, Add	198.96	
			For Kynar™ Standard Colors Finish, Add	273.57	
08 91	19 00-0011	EA	12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	636.28	49.04
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	53.82	
			For Clear Lacquer Finish, Add	107.64	
			For Baked Enamel Standard Colors, Add	161.46	
			For Anodized Finish, Add	215.28	
			For Kynar™ Standard Colors Finish, Add	296.01	
08 91	19 00-0012	EA	12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	678.08	52.54
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	57.30	
			For Clear Lacquer Finish, Add	114.60	
			For Baked Enamel Standard Colors, Add	171.90	
			For Anodized Finish, Add	229.20	
			For Kynar™ Standard Colors Finish, Add	315.15	
08 91	19 00-0013	EA	12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	727.70	56.05
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	61.56	
			For Clear Lacquer Finish, Add	123.12	
			For Baked Enamel Standard Colors, Add	184.68	
			For Anodized Finish, Add	246.24	
			For Kynar™ Standard Colors Finish, Add	338.58	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0014	EA	12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	774.30	59.55
			<i>For Flange Frame, Add</i>	65.52	
			<i>For Clear Lacquer Finish, Add</i>	131.04	
			<i>For Baked Enamel Standard Colors, Add</i>	196.56	
			<i>For Anodized Finish, Add</i>	262.08	
			<i>For Kynar™ Standard Colors Finish, Add</i>	360.36	
08 91	19 00-0015	EA	12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	816.00	64.81
			<i>For Flange Frame, Add</i>	68.64	
			<i>For Clear Lacquer Finish, Add</i>	137.28	
			<i>For Baked Enamel Standard Colors, Add</i>	205.92	
			<i>For Anodized Finish, Add</i>	274.56	
			<i>For Kynar™ Standard Colors Finish, Add</i>	377.52	
08 91	19 00-0016	EA	12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	871.52	70.06
			<i>For Flange Frame, Add</i>	73.14	
			<i>For Clear Lacquer Finish, Add</i>	146.28	
			<i>For Baked Enamel Standard Colors, Add</i>	219.42	
			<i>For Anodized Finish, Add</i>	292.56	
			<i>For Kynar™ Standard Colors Finish, Add</i>	402.27	
08 91	19 00-0017	EA	18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	247.33	19.27
			<i>For Flange Frame, Add</i>	20.88	
			<i>For Clear Lacquer Finish, Add</i>	41.76	
			<i>For Baked Enamel Standard Colors, Add</i>	62.64	
			<i>For Anodized Finish, Add</i>	83.52	
			<i>For Kynar™ Standard Colors Finish, Add</i>	114.84	
08 91	19 00-0018	EA	18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	296.84	24.52
			<i>For Flange Frame, Add</i>	24.78	
			<i>For Clear Lacquer Finish, Add</i>	49.56	
			<i>For Baked Enamel Standard Colors, Add</i>	74.34	
			<i>For Anodized Finish, Add</i>	99.12	
			<i>For Kynar™ Standard Colors Finish, Add</i>	136.29	
08 91	19 00-0019	EA	18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	344.05	28.02
			<i>For Flange Frame, Add</i>	28.80	
			<i>For Clear Lacquer Finish, Add</i>	57.60	
			<i>For Baked Enamel Standard Colors, Add</i>	86.40	
			<i>For Anodized Finish, Add</i>	115.20	
			<i>For Kynar™ Standard Colors Finish, Add</i>	158.40	
08 91	19 00-0020	EA	18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	431.26	35.03
			<i>For Flange Frame, Add</i>	36.12	
			<i>For Clear Lacquer Finish, Add</i>	72.24	
			<i>For Baked Enamel Standard Colors, Add</i>	108.36	
			<i>For Anodized Finish, Add</i>	144.48	
			<i>For Kynar™ Standard Colors Finish, Add</i>	198.66	
08 91	19 00-0021	EA	18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	494.66	38.53
			<i>For Flange Frame, Add</i>	41.76	
			<i>For Clear Lacquer Finish, Add</i>	83.52	
			<i>For Baked Enamel Standard Colors, Add</i>	125.28	
			<i>For Anodized Finish, Add</i>	167.04	
			<i>For Kynar™ Standard Colors Finish, Add</i>	229.68	
08 91	19 00-0022	EA	18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	550.87	42.04
			<i>For Flange Frame, Add</i>	46.68	
			<i>For Clear Lacquer Finish, Add</i>	93.36	
			<i>For Baked Enamel Standard Colors, Add</i>	140.04	
			<i>For Anodized Finish, Add</i>	186.72	
			<i>For Kynar™ Standard Colors Finish, Add</i>	256.74	
08 91	19 00-0023	EA	18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	590.87	45.54
			<i>For Flange Frame, Add</i>	49.98	
			<i>For Clear Lacquer Finish, Add</i>	99.96	
			<i>For Baked Enamel Standard Colors, Add</i>	149.94	
			<i>For Anodized Finish, Add</i>	199.92	
			<i>For Kynar™ Standard Colors Finish, Add</i>	274.89	
08 91	19 00-0024	EA	18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	657.79	50.79
			<i>For Flange Frame, Add</i>	55.62	
			<i>For Clear Lacquer Finish, Add</i>	111.24	
			<i>For Baked Enamel Standard Colors, Add</i>	166.86	
			<i>For Anodized Finish, Add</i>	222.48	
			<i>For Kynar™ Standard Colors Finish, Add</i>	305.91	
08 91	19 00-0025	EA	18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	704.90	56.05
			<i>For Flange Frame, Add</i>	59.28	
			<i>For Clear Lacquer Finish, Add</i>	118.56	
			<i>For Baked Enamel Standard Colors, Add</i>	177.84	
			<i>For Anodized Finish, Add</i>	237.12	
			<i>For Kynar™ Standard Colors Finish, Add</i>	326.04	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0026 EA 18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	765.90	59.55
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	64.68	
For Clear Lacquer Finish, Add	129.36	
For Baked Enamel Standard Colors, Add	194.04	
For Anodized Finish, Add	258.72	
For Kynar™ Standard Colors Finish, Add	355.74	
08 91 19 00-0027 EA 18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	812.51	63.05
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	68.64	
For Clear Lacquer Finish, Add	137.28	
For Baked Enamel Standard Colors, Add	205.92	
For Anodized Finish, Add	274.56	
For Kynar™ Standard Colors Finish, Add	377.52	
08 91 19 00-0028 EA 18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	864.51	66.55
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	73.14	
For Clear Lacquer Finish, Add	146.28	
For Baked Enamel Standard Colors, Add	219.42	
For Anodized Finish, Add	292.56	
For Kynar™ Standard Colors Finish, Add	402.27	
08 91 19 00-0029 EA 18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	918.92	70.06
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	77.88	
For Clear Lacquer Finish, Add	155.76	
For Baked Enamel Standard Colors, Add	233.64	
For Anodized Finish, Add	311.52	
For Kynar™ Standard Colors Finish, Add	428.34	
08 91 19 00-0030 EA 18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	967.23	75.31
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	81.66	
For Clear Lacquer Finish, Add	163.32	
For Baked Enamel Standard Colors, Add	244.98	
For Anodized Finish, Add	326.64	
For Kynar™ Standard Colors Finish, Add	449.13	
08 91 19 00-0031 EA 18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,034.13	80.57
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	87.30	
For Clear Lacquer Finish, Add	174.60	
For Baked Enamel Standard Colors, Add	261.90	
For Anodized Finish, Add	349.20	
For Kynar™ Standard Colors Finish, Add	480.15	
08 91 19 00-0032 EA 24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	286.14	22.77
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	24.06	
For Clear Lacquer Finish, Add	48.12	
For Baked Enamel Standard Colors, Add	72.18	
For Anodized Finish, Add	96.24	
For Kynar™ Standard Colors Finish, Add	132.33	
08 91 19 00-0033 EA 24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	341.05	28.02
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	28.50	
For Clear Lacquer Finish, Add	57.00	
For Baked Enamel Standard Colors, Add	85.50	
For Anodized Finish, Add	114.00	
For Kynar™ Standard Colors Finish, Add	156.75	
08 91 19 00-0034 EA 24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	422.35	33.28
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	35.58	
For Clear Lacquer Finish, Add	71.16	
For Baked Enamel Standard Colors, Add	106.74	
For Anodized Finish, Add	142.32	
For Kynar™ Standard Colors Finish, Add	195.69	
08 91 19 00-0035 EA 24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	498.17	40.29
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	41.76	
For Clear Lacquer Finish, Add	83.52	
For Baked Enamel Standard Colors, Add	125.28	
For Anodized Finish, Add	167.04	
For Kynar™ Standard Colors Finish, Add	229.68	
08 91 19 00-0036 EA 24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	569.98	43.78
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	48.24	
For Clear Lacquer Finish, Add	96.48	
For Baked Enamel Standard Colors, Add	144.72	
For Anodized Finish, Add	192.96	
For Kynar™ Standard Colors Finish, Add	265.32	
08 91 19 00-0037 EA 24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	636.38	47.29
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	54.18	
For Clear Lacquer Finish, Add	108.36	
For Baked Enamel Standard Colors, Add	162.54	
For Anodized Finish, Add	216.72	
For Kynar™ Standard Colors Finish, Add	297.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0038 EA 24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	691.88	52.54
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	58.68	
For Clear Lacquer Finish, Add	117.36	
For Baked Enamel Standard Colors, Add	176.04	
For Anodized Finish, Add	234.72	
For Kynar™ Standard Colors Finish, Add	322.74	
08 91 19 00-0039 EA 24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	765.90	59.55
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	64.68	
For Clear Lacquer Finish, Add	129.36	
For Baked Enamel Standard Colors, Add	194.04	
For Anodized Finish, Add	258.72	
For Kynar™ Standard Colors Finish, Add	355.74	
08 91 19 00-0040 EA 24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	814.91	63.05
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	68.88	
For Clear Lacquer Finish, Add	137.76	
For Baked Enamel Standard Colors, Add	206.64	
For Anodized Finish, Add	275.52	
For Kynar™ Standard Colors Finish, Add	378.84	
08 91 19 00-0041 EA 24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	895.52	70.06
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	75.54	
For Clear Lacquer Finish, Add	151.08	
For Baked Enamel Standard Colors, Add	226.62	
For Anodized Finish, Add	302.16	
For Kynar™ Standard Colors Finish, Add	415.47	
08 91 19 00-0042 EA 24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	946.32	73.57
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	79.92	
For Clear Lacquer Finish, Add	159.84	
For Baked Enamel Standard Colors, Add	239.76	
For Anodized Finish, Add	319.68	
For Kynar™ Standard Colors Finish, Add	439.56	
08 91 19 00-0043 EA 24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,012.13	77.06
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	85.80	
For Clear Lacquer Finish, Add	171.60	
For Baked Enamel Standard Colors, Add	257.40	
For Anodized Finish, Add	343.20	
For Kynar™ Standard Colors Finish, Add	471.90	
08 91 19 00-0044 EA 24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,076.73	80.57
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	91.56	
For Clear Lacquer Finish, Add	183.12	
For Baked Enamel Standard Colors, Add	274.68	
For Anodized Finish, Add	366.24	
For Kynar™ Standard Colors Finish, Add	503.58	
08 91 19 00-0045 EA 24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,126.24	85.82
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	95.46	
For Clear Lacquer Finish, Add	190.92	
For Baked Enamel Standard Colors, Add	286.38	
For Anodized Finish, Add	381.84	
For Kynar™ Standard Colors Finish, Add	525.03	
08 91 19 00-0046 EA 24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,207.56	91.07
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	102.54	
For Clear Lacquer Finish, Add	205.08	
For Baked Enamel Standard Colors, Add	307.62	
For Anodized Finish, Add	410.16	
For Kynar™ Standard Colors Finish, Add	563.97	
08 91 19 00-0047 EA 30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	320.74	26.28
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	26.82	
For Clear Lacquer Finish, Add	53.64	
For Baked Enamel Standard Colors, Add	80.46	
For Anodized Finish, Add	107.28	
For Kynar™ Standard Colors Finish, Add	147.51	
08 91 19 00-0048 EA 30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	415.06	35.03
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	34.50	
For Clear Lacquer Finish, Add	69.00	
For Baked Enamel Standard Colors, Add	103.50	
For Anodized Finish, Add	138.00	
For Kynar™ Standard Colors Finish, Add	189.75	
08 91 19 00-0049 EA 30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	484.37	40.29
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	40.38	
For Clear Lacquer Finish, Add	80.76	
For Baked Enamel Standard Colors, Add	121.14	
For Anodized Finish, Add	161.52	
For Kynar™ Standard Colors Finish, Add	222.09	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0050 EA 30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	565.07	45.54
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	47.40	
For Clear Lacquer Finish, Add	94.80	
For Baked Enamel Standard Colors, Add	142.20	
For Anodized Finish, Add	189.60	
For Kynar™ Standard Colors Finish, Add	260.70	
08 91 19 00-0051 EA 30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	651.28	49.04
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	55.32	
For Clear Lacquer Finish, Add	110.64	
For Baked Enamel Standard Colors, Add	165.96	
For Anodized Finish, Add	221.28	
For Kynar™ Standard Colors Finish, Add	304.26	
08 91 19 00-0052 EA 30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	724.19	54.29
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	61.56	
For Clear Lacquer Finish, Add	123.12	
For Baked Enamel Standard Colors, Add	184.68	
For Anodized Finish, Add	246.24	
For Kynar™ Standard Colors Finish, Add	338.58	
08 91 19 00-0053 EA 30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	778.59	57.80
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	66.30	
For Clear Lacquer Finish, Add	132.60	
For Baked Enamel Standard Colors, Add	198.90	
For Anodized Finish, Add	265.20	
For Kynar™ Standard Colors Finish, Add	364.65	
08 91 19 00-0054 EA 30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	855.11	63.05
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	72.90	
For Clear Lacquer Finish, Add	145.80	
For Baked Enamel Standard Colors, Add	218.70	
For Anodized Finish, Add	291.60	
For Kynar™ Standard Colors Finish, Add	400.95	
08 91 19 00-0055 EA 30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	916.11	66.55
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	78.30	
For Clear Lacquer Finish, Add	156.60	
For Baked Enamel Standard Colors, Add	234.90	
For Anodized Finish, Add	313.20	
For Kynar™ Standard Colors Finish, Add	430.65	
08 91 19 00-0056 EA 30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,009.32	73.57
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	86.22	
For Clear Lacquer Finish, Add	172.44	
For Baked Enamel Standard Colors, Add	258.66	
For Anodized Finish, Add	344.88	
For Kynar™ Standard Colors Finish, Add	474.21	
08 91 19 00-0057 EA 30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,069.03	78.82
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	91.14	
For Clear Lacquer Finish, Add	182.28	
For Baked Enamel Standard Colors, Add	273.42	
For Anodized Finish, Add	364.56	
For Kynar™ Standard Colors Finish, Add	501.27	
08 91 19 00-0058 EA 30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,139.04	82.31
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	97.44	
For Clear Lacquer Finish, Add	194.88	
For Baked Enamel Standard Colors, Add	292.32	
For Anodized Finish, Add	389.76	
For Kynar™ Standard Colors Finish, Add	535.92	
08 91 19 00-0059 EA 30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,208.44	85.82
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	103.68	
For Clear Lacquer Finish, Add	207.36	
For Baked Enamel Standard Colors, Add	311.04	
For Anodized Finish, Add	414.72	
For Kynar™ Standard Colors Finish, Add	570.24	
08 91 19 00-0060 EA 30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,266.96	91.07
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	108.48	
For Clear Lacquer Finish, Add	216.96	
For Baked Enamel Standard Colors, Add	325.44	
For Anodized Finish, Add	433.92	
For Kynar™ Standard Colors Finish, Add	596.64	
08 91 19 00-0061 EA 30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,359.06	96.33
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	116.64	
For Clear Lacquer Finish, Add	233.28	
For Baked Enamel Standard Colors, Add	349.92	
For Anodized Finish, Add	466.56	
For Kynar™ Standard Colors Finish, Add	641.52	



Openings	08	08
Louvers And Vents	08 90	
Louvers	08 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0062	EA	36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	355.95	29.77
			<i>For Flange Frame, Add</i>	29.64	
			<i>For Clear Lacquer Finish, Add</i>	59.28	
			<i>For Baked Enamel Standard Colors, Add</i>	88.92	
			<i>For Anodized Finish, Add</i>	118.56	
			<i>For Kynar™ Standard Colors Finish, Add</i>	163.02	
08 91	19 00-0063	EA	36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	467.06	38.53
			<i>For Flange Frame, Add</i>	39.00	
			<i>For Clear Lacquer Finish, Add</i>	78.00	
			<i>For Baked Enamel Standard Colors, Add</i>	117.00	
			<i>For Anodized Finish, Add</i>	156.00	
			<i>For Kynar™ Standard Colors Finish, Add</i>	214.50	
08 91	19 00-0064	EA	36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	539.98	43.78
			<i>For Flange Frame, Add</i>	45.24	
			<i>For Clear Lacquer Finish, Add</i>	90.48	
			<i>For Baked Enamel Standard Colors, Add</i>	135.72	
			<i>For Anodized Finish, Add</i>	180.96	
			<i>For Kynar™ Standard Colors Finish, Add</i>	248.82	
08 91	19 00-0065	EA	36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	626.68	49.04
			<i>For Flange Frame, Add</i>	52.86	
			<i>For Clear Lacquer Finish, Add</i>	105.72	
			<i>For Baked Enamel Standard Colors, Add</i>	158.58	
			<i>For Anodized Finish, Add</i>	211.44	
			<i>For Kynar™ Standard Colors Finish, Add</i>	290.73	
08 91	19 00-0066	EA	36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	723.89	53.25
			<i>For Flange Frame, Add</i>	61.74	
			<i>For Clear Lacquer Finish, Add</i>	123.48	
			<i>For Baked Enamel Standard Colors, Add</i>	185.22	
			<i>For Anodized Finish, Add</i>	246.96	
			<i>For Kynar™ Standard Colors Finish, Add</i>	339.57	
08 91	19 00-0067	EA	36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	799.59	57.80
			<i>For Flange Frame, Add</i>	68.40	
			<i>For Clear Lacquer Finish, Add</i>	136.80	
			<i>For Baked Enamel Standard Colors, Add</i>	205.20	
			<i>For Anodized Finish, Add</i>	273.60	
			<i>For Kynar™ Standard Colors Finish, Add</i>	376.20	
08 91	19 00-0068	EA	36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	864.80	61.30
			<i>For Flange Frame, Add</i>	74.22	
			<i>For Clear Lacquer Finish, Add</i>	148.44	
			<i>For Baked Enamel Standard Colors, Add</i>	222.66	
			<i>For Anodized Finish, Add</i>	296.88	
			<i>For Kynar™ Standard Colors Finish, Add</i>	408.21	
08 91	19 00-0069	EA	36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	952.11	66.55
			<i>For Flange Frame, Add</i>	81.90	
			<i>For Clear Lacquer Finish, Add</i>	163.80	
			<i>For Baked Enamel Standard Colors, Add</i>	245.70	
			<i>For Anodized Finish, Add</i>	327.60	
			<i>For Kynar™ Standard Colors Finish, Add</i>	450.45	
08 91	19 00-0070	EA	36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,018.42	71.81
			<i>For Flange Frame, Add</i>	87.48	
			<i>For Clear Lacquer Finish, Add</i>	174.96	
			<i>For Baked Enamel Standard Colors, Add</i>	262.44	
			<i>For Anodized Finish, Add</i>	349.92	
			<i>For Kynar™ Standard Colors Finish, Add</i>	481.14	
08 91	19 00-0071	EA	36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,123.13	77.06
			<i>For Flange Frame, Add</i>	96.90	
			<i>For Clear Lacquer Finish, Add</i>	193.80	
			<i>For Baked Enamel Standard Colors, Add</i>	290.70	
			<i>For Anodized Finish, Add</i>	387.60	
			<i>For Kynar™ Standard Colors Finish, Add</i>	532.95	
08 91	19 00-0072	EA	36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,192.44	82.31
			<i>For Flange Frame, Add</i>	102.78	
			<i>For Clear Lacquer Finish, Add</i>	205.56	
			<i>For Baked Enamel Standard Colors, Add</i>	308.34	
			<i>For Anodized Finish, Add</i>	411.12	
			<i>For Kynar™ Standard Colors Finish, Add</i>	565.29	
08 91	19 00-0073	EA	36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,267.24	85.82
			<i>For Flange Frame, Add</i>	109.56	
			<i>For Clear Lacquer Finish, Add</i>	219.12	
			<i>For Baked Enamel Standard Colors, Add</i>	328.68	
			<i>For Anodized Finish, Add</i>	438.24	
			<i>For Kynar™ Standard Colors Finish, Add</i>	602.58	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0074 EA 36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,345.05	89.33
Note: Includes bird screen.		
For Flange Frame, Add	116.64	
For Clear Lacquer Finish, Add	233.28	
For Baked Enamel Standard Colors, Add	349.92	
For Anodized Finish, Add	466.56	
For Kynar™ Standard Colors Finish, Add	641.52	
08 91 19 00-0075 EA 36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,411.96	94.58
Note: Includes bird screen.		
For Flange Frame, Add	122.28	
For Clear Lacquer Finish, Add	244.56	
For Baked Enamel Standard Colors, Add	366.84	
For Anodized Finish, Add	489.12	
For Kynar™ Standard Colors Finish, Add	672.54	
08 91 19 00-0076 EA 36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,516.06	99.83
Note: Includes bird screen.		
For Flange Frame, Add	131.64	
For Clear Lacquer Finish, Add	263.28	
For Baked Enamel Standard Colors, Add	394.92	
For Anodized Finish, Add	526.56	
For Kynar™ Standard Colors Finish, Add	724.02	
08 91 19 00-0077 EA 42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	413.95	33.28
Note: Includes bird screen.		
For Flange Frame, Add	34.74	
For Clear Lacquer Finish, Add	69.48	
For Baked Enamel Standard Colors, Add	104.22	
For Anodized Finish, Add	138.96	
For Kynar™ Standard Colors Finish, Add	191.07	
08 91 19 00-0078 EA 42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	507.67	42.04
Note: Includes bird screen.		
For Flange Frame, Add	42.36	
For Clear Lacquer Finish, Add	84.72	
For Baked Enamel Standard Colors, Add	127.08	
For Anodized Finish, Add	169.44	
For Kynar™ Standard Colors Finish, Add	232.98	
08 91 19 00-0079 EA 42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	588.38	47.29
Note: Includes bird screen.		
For Flange Frame, Add	49.38	
For Clear Lacquer Finish, Add	98.76	
For Baked Enamel Standard Colors, Add	148.14	
For Anodized Finish, Add	197.52	
For Kynar™ Standard Colors Finish, Add	271.59	
08 91 19 00-0080 EA 42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	688.19	54.29
Note: Includes bird screen.		
For Flange Frame, Add	57.96	
For Clear Lacquer Finish, Add	115.92	
For Baked Enamel Standard Colors, Add	173.88	
For Anodized Finish, Add	231.84	
For Kynar™ Standard Colors Finish, Add	318.78	
08 91 19 00-0081 EA 42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	793.59	57.80
Note: Includes bird screen.		
For Flange Frame, Add	67.80	
For Clear Lacquer Finish, Add	135.60	
For Baked Enamel Standard Colors, Add	203.40	
For Anodized Finish, Add	271.20	
For Kynar™ Standard Colors Finish, Add	372.90	
08 91 19 00-0082 EA 42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	878.00	61.30
Note: Includes bird screen.		
For Flange Frame, Add	75.54	
For Clear Lacquer Finish, Add	151.08	
For Baked Enamel Standard Colors, Add	226.62	
For Anodized Finish, Add	302.16	
For Kynar™ Standard Colors Finish, Add	415.47	
08 91 19 00-0083 EA 42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	951.00	64.81
Note: Includes bird screen.		
For Flange Frame, Add	82.14	
For Clear Lacquer Finish, Add	164.28	
For Baked Enamel Standard Colors, Add	246.42	
For Anodized Finish, Add	328.56	
For Kynar™ Standard Colors Finish, Add	451.77	
08 91 19 00-0084 EA 42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,038.32	70.06
Note: Includes bird screen.		
For Flange Frame, Add	89.82	
For Clear Lacquer Finish, Add	179.64	
For Baked Enamel Standard Colors, Add	269.46	
For Anodized Finish, Add	359.28	
For Kynar™ Standard Colors Finish, Add	494.01	
08 91 19 00-0085 EA 42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,113.03	75.31
Note: Includes bird screen.		
For Flange Frame, Add	96.24	
For Clear Lacquer Finish, Add	192.48	
For Baked Enamel Standard Colors, Add	288.72	
For Anodized Finish, Add	384.96	
For Kynar™ Standard Colors Finish, Add	529.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0086 EA 42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,229.13	80.57
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	106.80	
<i>For Clear Lacquer Finish, Add</i>	213.60	
<i>For Baked Enamel Standard Colors, Add</i>	320.40	
<i>For Anodized Finish, Add</i>	427.20	
<i>For Kynar™ Standard Colors Finish, Add</i>	587.40	
08 91 19 00-0087 EA 42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,303.84	85.82
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	113.22	
<i>For Clear Lacquer Finish, Add</i>	226.44	
<i>For Baked Enamel Standard Colors, Add</i>	339.66	
<i>For Anodized Finish, Add</i>	452.88	
<i>For Kynar™ Standard Colors Finish, Add</i>	622.71	
08 91 19 00-0088 EA 42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,388.25	89.33
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	120.96	
<i>For Clear Lacquer Finish, Add</i>	241.92	
<i>For Baked Enamel Standard Colors, Add</i>	362.88	
<i>For Anodized Finish, Add</i>	483.84	
<i>For Kynar™ Standard Colors Finish, Add</i>	665.28	
08 91 19 00-0089 EA 42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,473.25	92.83
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	128.76	
<i>For Clear Lacquer Finish, Add</i>	257.52	
<i>For Baked Enamel Standard Colors, Add</i>	386.28	
<i>For Anodized Finish, Add</i>	515.04	
<i>For Kynar™ Standard Colors Finish, Add</i>	708.18	
08 91 19 00-0090 EA 42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,552.17	98.08
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	135.60	
<i>For Clear Lacquer Finish, Add</i>	271.20	
<i>For Baked Enamel Standard Colors, Add</i>	406.80	
<i>For Anodized Finish, Add</i>	542.40	
<i>For Kynar™ Standard Colors Finish, Add</i>	745.80	
08 91 19 00-0091 EA 42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,664.07	103.34
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	145.74	
<i>For Clear Lacquer Finish, Add</i>	291.48	
<i>For Baked Enamel Standard Colors, Add</i>	437.22	
<i>For Anodized Finish, Add</i>	582.96	
<i>For Kynar™ Standard Colors Finish, Add</i>	801.57	
08 91 19 00-0092 EA 48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	452.77	36.78
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	37.92	
<i>For Clear Lacquer Finish, Add</i>	75.84	
<i>For Baked Enamel Standard Colors, Add</i>	113.76	
<i>For Anodized Finish, Add</i>	151.68	
<i>For Kynar™ Standard Colors Finish, Add</i>	208.56	
08 91 19 00-0093 EA 48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	554.87	45.54
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	46.38	
<i>For Clear Lacquer Finish, Add</i>	92.76	
<i>For Baked Enamel Standard Colors, Add</i>	139.14	
<i>For Anodized Finish, Add</i>	185.52	
<i>For Kynar™ Standard Colors Finish, Add</i>	255.09	
08 91 19 00-0094 EA 48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	649.88	52.54
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	54.48	
<i>For Clear Lacquer Finish, Add</i>	108.96	
<i>For Baked Enamel Standard Colors, Add</i>	163.44	
<i>For Anodized Finish, Add</i>	217.92	
<i>For Kynar™ Standard Colors Finish, Add</i>	299.64	
08 91 19 00-0095 EA 48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	747.99	57.80
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	63.24	
<i>For Clear Lacquer Finish, Add</i>	126.48	
<i>For Baked Enamel Standard Colors, Add</i>	189.72	
<i>For Anodized Finish, Add</i>	252.96	
<i>For Kynar™ Standard Colors Finish, Add</i>	347.82	
08 91 19 00-0096 EA 48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	868.40	61.30
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	74.58	
<i>For Clear Lacquer Finish, Add</i>	149.16	
<i>For Baked Enamel Standard Colors, Add</i>	223.74	
<i>For Anodized Finish, Add</i>	298.32	
<i>For Kynar™ Standard Colors Finish, Add</i>	410.19	
08 91 19 00-0097 EA 48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	966.00	64.81
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	83.64	
<i>For Clear Lacquer Finish, Add</i>	167.28	
<i>For Baked Enamel Standard Colors, Add</i>	250.92	
<i>For Anodized Finish, Add</i>	334.56	
<i>For Kynar™ Standard Colors Finish, Add</i>	460.02	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0098	EA	48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,046.72	70.06
			<i>For Flange Frame, Add</i>	90.66	
			<i>For Clear Lacquer Finish, Add</i>	181.32	
			<i>For Baked Enamel Standard Colors, Add</i>	271.98	
			<i>For Anodized Finish, Add</i>	362.64	
			<i>For Kynar™ Standard Colors Finish, Add</i>	498.63	
08 91	19 00-0099	EA	48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,173.63	75.31
			<i>For Flange Frame, Add</i>	102.30	
			<i>For Clear Lacquer Finish, Add</i>	204.60	
			<i>For Baked Enamel Standard Colors, Add</i>	306.90	
			<i>For Anodized Finish, Add</i>	409.20	
			<i>For Kynar™ Standard Colors Finish, Add</i>	562.65	
08 91	19 00-0100	EA	48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,229.13	80.57
			<i>For Flange Frame, Add</i>	106.80	
			<i>For Clear Lacquer Finish, Add</i>	213.60	
			<i>For Baked Enamel Standard Colors, Add</i>	320.40	
			<i>For Anodized Finish, Add</i>	427.20	
			<i>For Kynar™ Standard Colors Finish, Add</i>	587.40	
08 91	19 00-0101	EA	48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,353.04	85.82
			<i>For Flange Frame, Add</i>	118.14	
			<i>For Clear Lacquer Finish, Add</i>	236.28	
			<i>For Baked Enamel Standard Colors, Add</i>	354.42	
			<i>For Anodized Finish, Add</i>	472.56	
			<i>For Kynar™ Standard Colors Finish, Add</i>	649.77	
08 91	19 00-0102	EA	48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,439.16	91.07
			<i>For Flange Frame, Add</i>	125.70	
			<i>For Clear Lacquer Finish, Add</i>	251.40	
			<i>For Baked Enamel Standard Colors, Add</i>	377.10	
			<i>For Anodized Finish, Add</i>	502.80	
			<i>For Kynar™ Standard Colors Finish, Add</i>	691.35	
08 91	19 00-0103	EA	48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,533.16	94.58
			<i>For Flange Frame, Add</i>	134.40	
			<i>For Clear Lacquer Finish, Add</i>	268.80	
			<i>For Baked Enamel Standard Colors, Add</i>	403.20	
			<i>For Anodized Finish, Add</i>	537.60	
			<i>For Kynar™ Standard Colors Finish, Add</i>	739.20	
08 91	19 00-0104	EA	48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,627.17	98.08
			<i>For Flange Frame, Add</i>	143.10	
			<i>For Clear Lacquer Finish, Add</i>	286.20	
			<i>For Baked Enamel Standard Colors, Add</i>	429.30	
			<i>For Anodized Finish, Add</i>	572.40	
			<i>For Kynar™ Standard Colors Finish, Add</i>	787.05	
08 91	19 00-0105	EA	48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,705.57	101.59
			<i>For Flange Frame, Add</i>	150.24	
			<i>For Clear Lacquer Finish, Add</i>	300.48	
			<i>For Baked Enamel Standard Colors, Add</i>	450.72	
			<i>For Anodized Finish, Add</i>	600.96	
			<i>For Kynar™ Standard Colors Finish, Add</i>	826.32	
08 91	19 00-0106	EA	48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,834.28	106.84
			<i>For Flange Frame, Add</i>	162.06	
			<i>For Clear Lacquer Finish, Add</i>	324.12	
			<i>For Baked Enamel Standard Colors, Add</i>	486.18	
			<i>For Anodized Finish, Add</i>	648.24	
			<i>For Kynar™ Standard Colors Finish, Add</i>	891.33	
08 91	19 00-0107	EA	54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	501.67	42.04
			<i>For Flange Frame, Add</i>	41.76	
			<i>For Clear Lacquer Finish, Add</i>	83.52	
			<i>For Baked Enamel Standard Colors, Add</i>	125.28	
			<i>For Anodized Finish, Add</i>	167.04	
			<i>For Kynar™ Standard Colors Finish, Add</i>	229.68	
08 91	19 00-0108	EA	54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	615.79	50.79
			<i>For Flange Frame, Add</i>	51.42	
			<i>For Clear Lacquer Finish, Add</i>	102.84	
			<i>For Baked Enamel Standard Colors, Add</i>	154.26	
			<i>For Anodized Finish, Add</i>	205.68	
			<i>For Kynar™ Standard Colors Finish, Add</i>	282.81	
08 91	19 00-0109	EA	54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	720.90	59.55
			<i>For Flange Frame, Add</i>	60.18	
			<i>For Clear Lacquer Finish, Add</i>	120.36	
			<i>For Baked Enamel Standard Colors, Add</i>	180.54	
			<i>For Anodized Finish, Add</i>	240.72	
			<i>For Kynar™ Standard Colors Finish, Add</i>	330.99	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0110	EA	54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	825.71 69.96 139.92 209.88 279.84 384.78	63.05
08 91	19 00-0111	EA	54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	969.51 83.64 167.28 250.92 334.56 460.02	66.55
08 91	19 00-0112	EA	54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,069.52 92.94 185.88 278.82 371.76 511.17	70.06
08 91	19 00-0113	EA	54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,164.03 101.34 202.68 304.02 405.36 557.37	75.31
08 91	19 00-0114	EA	54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,302.33 114.12 228.24 342.36 456.48 627.66	80.57
08 91	19 00-0115	EA	54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,399.84 122.82 245.64 368.46 491.28 675.51	85.82
08 91	19 00-0116	EA	54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,544.76 136.26 272.52 408.78 545.04 749.43	91.07
08 91	19 00-0117	EA	54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,638.16 144.90 289.80 434.70 579.60 796.95	94.58
08 91	19 00-0118	EA	54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,744.77 154.86 309.72 464.58 619.44 851.73	98.08
08 91	19 00-0119	EA	54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,847.17 164.40 328.80 493.20 657.60 904.20	101.59
08 91	19 00-0120	EA	54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,932.18 172.20 344.40 516.60 688.80 947.10	105.08
08 91	19 00-0121	EA	54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,081.89 186.12 372.24 558.36 744.48 1,023.66	110.34

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0122 EA 60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	539.27	45.54
Note: Includes bird screen.		
For Flange Frame, Add	44.82	
For Clear Lacquer Finish, Add	89.64	
For Baked Enamel Standard Colors, Add	134.46	
For Anodized Finish, Add	179.28	
For Kynar™ Standard Colors Finish, Add	246.51	
08 91 19 00-0123 EA 60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	665.30	56.05
Note: Includes bird screen.		
For Flange Frame, Add	55.32	
For Clear Lacquer Finish, Add	110.64	
For Baked Enamel Standard Colors, Add	165.96	
For Anodized Finish, Add	221.28	
For Kynar™ Standard Colors Finish, Add	304.26	
08 91 19 00-0124 EA 60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	772.91	63.05
Note: Includes bird screen.		
For Flange Frame, Add	64.68	
For Clear Lacquer Finish, Add	129.36	
For Baked Enamel Standard Colors, Add	194.04	
For Anodized Finish, Add	258.72	
For Kynar™ Standard Colors Finish, Add	355.74	
08 91 19 00-0125 EA 60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	893.91	66.55
Note: Includes bird screen.		
For Flange Frame, Add	76.08	
For Clear Lacquer Finish, Add	152.16	
For Baked Enamel Standard Colors, Add	228.24	
For Anodized Finish, Add	304.32	
For Kynar™ Standard Colors Finish, Add	418.44	
08 91 19 00-0126 EA 60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,044.22	71.81
Note: Includes bird screen.		
For Flange Frame, Add	90.06	
For Clear Lacquer Finish, Add	180.12	
For Baked Enamel Standard Colors, Add	270.18	
For Anodized Finish, Add	360.24	
For Kynar™ Standard Colors Finish, Add	495.33	
08 91 19 00-0127 EA 60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,156.23	75.31
Note: Includes bird screen.		
For Flange Frame, Add	100.56	
For Clear Lacquer Finish, Add	201.12	
For Baked Enamel Standard Colors, Add	301.68	
For Anodized Finish, Add	402.24	
For Kynar™ Standard Colors Finish, Add	553.08	
08 91 19 00-0128 EA 60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,254.93	80.57
Note: Includes bird screen.		
For Flange Frame, Add	109.38	
For Clear Lacquer Finish, Add	218.76	
For Baked Enamel Standard Colors, Add	328.14	
For Anodized Finish, Add	437.52	
For Kynar™ Standard Colors Finish, Add	601.59	
08 91 19 00-0129 EA 60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,402.84	85.82
Note: Includes bird screen.		
For Flange Frame, Add	123.12	
For Clear Lacquer Finish, Add	246.24	
For Baked Enamel Standard Colors, Add	369.36	
For Anodized Finish, Add	492.48	
For Kynar™ Standard Colors Finish, Add	677.16	
08 91 19 00-0130 EA 60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,507.56	91.07
Note: Includes bird screen.		
For Flange Frame, Add	132.54	
For Clear Lacquer Finish, Add	265.08	
For Baked Enamel Standard Colors, Add	397.62	
For Anodized Finish, Add	530.16	
For Kynar™ Standard Colors Finish, Add	728.97	
08 91 19 00-0131 EA 60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,664.46	96.33
Note: Includes bird screen.		
For Flange Frame, Add	147.18	
For Clear Lacquer Finish, Add	294.36	
For Baked Enamel Standard Colors, Add	441.54	
For Anodized Finish, Add	588.72	
For Kynar™ Standard Colors Finish, Add	809.49	
08 91 19 00-0132 EA 60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,763.86	99.83
Note: Includes bird screen.		
For Flange Frame, Add	156.42	
For Clear Lacquer Finish, Add	312.84	
For Baked Enamel Standard Colors, Add	469.26	
For Anodized Finish, Add	625.68	
For Kynar™ Standard Colors Finish, Add	860.31	
08 91 19 00-0133 EA 60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,877.07	103.34
Note: Includes bird screen.		
For Flange Frame, Add	167.04	
For Clear Lacquer Finish, Add	334.08	
For Baked Enamel Standard Colors, Add	501.12	
For Anodized Finish, Add	668.16	
For Kynar™ Standard Colors Finish, Add	918.72	



Openings	08	08
Louvers And Vents	08 90	
Louvers	08 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0134 EA 60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,987.88 177.42 354.84 532.26 709.68 975.81	106.84
08 91 19 00-0135 EA 60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,081.89 186.12 372.24 558.36 744.48 1,023.66	110.34
08 91 19 00-0136 EA 60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,238.29 201.06 402.12 603.18 804.24 1,105.83	113.84
08 91 19 00-0137 EA 66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	621.28 52.32 104.64 156.96 209.28 287.76	49.04
08 91 19 00-0138 EA 66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	768.30 64.92 129.84 194.76 259.68 357.06	59.55
08 91 19 00-0139 EA 66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	895.52 75.54 151.08 226.62 302.16 415.47	70.06
08 91 19 00-0140 EA 66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,027.32 88.02 176.04 264.06 352.08 484.11	73.57
08 91 19 00-0141 EA 66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,202.33 104.82 209.64 314.46 419.28 576.51	77.06
08 91 19 00-0142 EA 66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,324.53 116.34 232.68 349.02 465.36 639.87	80.57
08 91 19 00-0143 EA 66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,442.44 127.08 254.16 381.24 508.32 698.94	85.82
08 91 19 00-0144 EA 66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,580.76 139.86 279.72 419.58 559.44 769.23	91.07
08 91 19 00-0145 EA 66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,698.06 150.54 301.08 451.62 602.16 827.97	96.33

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0146 EA 66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,878.27	103.34
Note: Includes bird screen.		
For Flange Frame, Add	167.16	
For Clear Lacquer Finish, Add	334.32	
For Baked Enamel Standard Colors, Add	501.48	
For Anodized Finish, Add	668.64	
For Kynar™ Standard Colors Finish, Add	919.38	
08 91 19 00-0147 EA 66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,991.38	108.59
Note: Includes bird screen.		
For Flange Frame, Add	177.42	
For Clear Lacquer Finish, Add	354.84	
For Baked Enamel Standard Colors, Add	532.26	
For Anodized Finish, Add	709.68	
For Kynar™ Standard Colors Finish, Add	975.81	
08 91 19 00-0148 EA 66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,111.18	112.10
Note: Includes bird screen.		
For Flange Frame, Add	188.70	
For Clear Lacquer Finish, Add	377.40	
For Baked Enamel Standard Colors, Add	566.10	
For Anodized Finish, Add	754.80	
For Kynar™ Standard Colors Finish, Add	1,037.85	
08 91 19 00-0149 EA 66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,233.39	115.59
Note: Includes bird screen.		
For Flange Frame, Add	200.22	
For Clear Lacquer Finish, Add	400.44	
For Baked Enamel Standard Colors, Add	600.66	
For Anodized Finish, Add	800.88	
For Kynar™ Standard Colors Finish, Add	1,101.21	
08 91 19 00-0150 EA 66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,339.39	119.10
Note: Includes bird screen.		
For Flange Frame, Add	210.12	
For Clear Lacquer Finish, Add	420.24	
For Baked Enamel Standard Colors, Add	630.36	
For Anodized Finish, Add	840.48	
For Kynar™ Standard Colors Finish, Add	1,155.66	
08 91 19 00-0151 EA 66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,513.80	122.60
Note: Includes bird screen.		
For Flange Frame, Add	226.86	
For Clear Lacquer Finish, Add	453.72	
For Baked Enamel Standard Colors, Add	680.58	
For Anodized Finish, Add	907.44	
For Kynar™ Standard Colors Finish, Add	1,247.73	
08 91 19 00-0152 EA 72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	655.88	52.54
Note: Includes bird screen.		
For Flange Frame, Add	55.08	
For Clear Lacquer Finish, Add	110.16	
For Baked Enamel Standard Colors, Add	165.24	
For Anodized Finish, Add	220.32	
For Kynar™ Standard Colors Finish, Add	302.94	
08 91 19 00-0153 EA 72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	810.11	63.05
Note: Includes bird screen.		
For Flange Frame, Add	68.40	
For Clear Lacquer Finish, Add	136.80	
For Baked Enamel Standard Colors, Add	205.20	
For Anodized Finish, Add	273.60	
For Kynar™ Standard Colors Finish, Add	376.20	
08 91 19 00-0154 EA 72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	943.92	73.57
Note: Includes bird screen.		
For Flange Frame, Add	79.68	
For Clear Lacquer Finish, Add	159.36	
For Baked Enamel Standard Colors, Add	239.04	
For Anodized Finish, Add	318.72	
For Kynar™ Standard Colors Finish, Add	438.24	
08 91 19 00-0155 EA 72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,087.03	78.82
Note: Includes bird screen.		
For Flange Frame, Add	92.94	
For Clear Lacquer Finish, Add	185.88	
For Baked Enamel Standard Colors, Add	278.82	
For Anodized Finish, Add	371.76	
For Kynar™ Standard Colors Finish, Add	511.17	
08 91 19 00-0156 EA 72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,274.64	82.31
Note: Includes bird screen.		
For Flange Frame, Add	111.00	
For Clear Lacquer Finish, Add	222.00	
For Baked Enamel Standard Colors, Add	333.00	
For Anodized Finish, Add	444.00	
For Kynar™ Standard Colors Finish, Add	610.50	
08 91 19 00-0157 EA 72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,403.44	85.82
Note: Includes bird screen.		
For Flange Frame, Add	123.18	
For Clear Lacquer Finish, Add	246.36	
For Baked Enamel Standard Colors, Add	369.54	
For Anodized Finish, Add	492.72	
For Kynar™ Standard Colors Finish, Add	677.49	



Openings	08	08
Louvers And Vents	08 90	
Louvers	08 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0158 EA 72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,529.16	91.07
Note: Includes bird screen.		
For Flange Frame, Add	134.70	
For Clear Lacquer Finish, Add	269.40	
For Baked Enamel Standard Colors, Add	404.10	
For Anodized Finish, Add	538.80	
For Kynar™ Standard Colors Finish, Add	740.85	
08 91 19 00-0159 EA 72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,671.76	94.58
Note: Includes bird screen.		
For Flange Frame, Add	148.26	
For Clear Lacquer Finish, Add	296.52	
For Baked Enamel Standard Colors, Add	444.78	
For Anodized Finish, Add	593.04	
For Kynar™ Standard Colors Finish, Add	815.43	
08 91 19 00-0160 EA 72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,794.46	99.83
Note: Includes bird screen.		
For Flange Frame, Add	159.48	
For Clear Lacquer Finish, Add	318.96	
For Baked Enamel Standard Colors, Add	478.44	
For Anodized Finish, Add	637.92	
For Kynar™ Standard Colors Finish, Add	877.14	
08 91 19 00-0161 EA 72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,991.38	108.59
Note: Includes bird screen.		
For Flange Frame, Add	177.42	
For Clear Lacquer Finish, Add	354.84	
For Baked Enamel Standard Colors, Add	532.26	
For Anodized Finish, Add	709.68	
For Kynar™ Standard Colors Finish, Add	975.81	
08 91 19 00-0162 EA 72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,115.89	113.84
Note: Includes bird screen.		
For Flange Frame, Add	188.82	
For Clear Lacquer Finish, Add	377.64	
For Baked Enamel Standard Colors, Add	566.46	
For Anodized Finish, Add	755.28	
For Kynar™ Standard Colors Finish, Add	1,038.51	
08 91 19 00-0163 EA 72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,239.30	117.35
Note: Includes bird screen.		
For Flange Frame, Add	200.46	
For Clear Lacquer Finish, Add	400.92	
For Baked Enamel Standard Colors, Add	601.38	
For Anodized Finish, Add	801.84	
For Kynar™ Standard Colors Finish, Add	1,102.53	
08 91 19 00-0164 EA 72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,364.50	120.85
Note: Includes bird screen.		
For Flange Frame, Add	212.28	
For Clear Lacquer Finish, Add	424.56	
For Baked Enamel Standard Colors, Add	636.84	
For Anodized Finish, Add	849.12	
For Kynar™ Standard Colors Finish, Add	1,167.54	
08 91 19 00-0165 EA 72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,481.91	124.35
Note: Includes bird screen.		
For Flange Frame, Add	223.32	
For Clear Lacquer Finish, Add	446.64	
For Baked Enamel Standard Colors, Add	669.96	
For Anodized Finish, Add	893.28	
For Kynar™ Standard Colors Finish, Add	1,228.26	
08 91 19 00-0166 EA 72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,667.71	127.86
Note: Includes bird screen.		
For Flange Frame, Add	241.20	
For Clear Lacquer Finish, Add	482.40	
For Baked Enamel Standard Colors, Add	723.60	
For Anodized Finish, Add	964.80	
For Kynar™ Standard Colors Finish, Add	1,326.60	
08 91 19 00-0167 EA 78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	697.70	56.05
Note: Includes bird screen.		
For Flange Frame, Add	58.56	
For Clear Lacquer Finish, Add	117.12	
For Baked Enamel Standard Colors, Add	175.68	
For Anodized Finish, Add	234.24	
For Kynar™ Standard Colors Finish, Add	322.08	
08 91 19 00-0168 EA 78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	856.11	66.55
Note: Includes bird screen.		
For Flange Frame, Add	72.30	
For Clear Lacquer Finish, Add	144.60	
For Baked Enamel Standard Colors, Add	216.90	
For Anodized Finish, Add	289.20	
For Kynar™ Standard Colors Finish, Add	397.65	
08 91 19 00-0169 EA 78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	992.93	77.06
Note: Includes bird screen.		
For Flange Frame, Add	83.88	
For Clear Lacquer Finish, Add	167.76	
For Baked Enamel Standard Colors, Add	251.64	
For Anodized Finish, Add	335.52	
For Kynar™ Standard Colors Finish, Add	461.34	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0170	EA	78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,145.64	82.31
			<i>For Flange Frame, Add</i>	98.10	
			<i>For Clear Lacquer Finish, Add</i>	196.20	
			<i>For Baked Enamel Standard Colors, Add</i>	294.30	
			<i>For Anodized Finish, Add</i>	392.40	
			<i>For Kynar™ Standard Colors Finish, Add</i>	539.55	
08 91	19 00-0171	EA	78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,344.04	85.82
			<i>For Flange Frame, Add</i>	117.24	
			<i>For Clear Lacquer Finish, Add</i>	234.48	
			<i>For Baked Enamel Standard Colors, Add</i>	351.72	
			<i>For Anodized Finish, Add</i>	468.96	
			<i>For Kynar™ Standard Colors Finish, Add</i>	644.82	
08 91	19 00-0172	EA	78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,478.25	89.33
			<i>For Flange Frame, Add</i>	129.96	
			<i>For Clear Lacquer Finish, Add</i>	259.92	
			<i>For Baked Enamel Standard Colors, Add</i>	389.88	
			<i>For Anodized Finish, Add</i>	519.84	
			<i>For Kynar™ Standard Colors Finish, Add</i>	714.78	
08 91	19 00-0173	EA	78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,612.96	94.58
			<i>For Flange Frame, Add</i>	142.38	
			<i>For Clear Lacquer Finish, Add</i>	284.76	
			<i>For Baked Enamel Standard Colors, Add</i>	427.14	
			<i>For Anodized Finish, Add</i>	569.52	
			<i>For Kynar™ Standard Colors Finish, Add</i>	783.09	
08 91	19 00-0174	EA	78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,763.97	98.08
			<i>For Flange Frame, Add</i>	156.78	
			<i>For Clear Lacquer Finish, Add</i>	313.56	
			<i>For Baked Enamel Standard Colors, Add</i>	470.34	
			<i>For Anodized Finish, Add</i>	627.12	
			<i>For Kynar™ Standard Colors Finish, Add</i>	862.29	
08 91	19 00-0175	EA	78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,895.67	103.34
			<i>For Flange Frame, Add</i>	168.90	
			<i>For Clear Lacquer Finish, Add</i>	337.80	
			<i>For Baked Enamel Standard Colors, Add</i>	506.70	
			<i>For Anodized Finish, Add</i>	675.60	
			<i>For Kynar™ Standard Colors Finish, Add</i>	928.95	
08 91	19 00-0176	EA	78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,105.18	112.10
			<i>For Flange Frame, Add</i>	188.10	
			<i>For Clear Lacquer Finish, Add</i>	376.20	
			<i>For Baked Enamel Standard Colors, Add</i>	564.30	
			<i>For Anodized Finish, Add</i>	752.40	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,034.55	
08 91	19 00-0177	EA	78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,235.70	117.35
			<i>For Flange Frame, Add</i>	200.10	
			<i>For Clear Lacquer Finish, Add</i>	400.20	
			<i>For Baked Enamel Standard Colors, Add</i>	600.30	
			<i>For Anodized Finish, Add</i>	800.40	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,100.55	
08 91	19 00-0178	EA	78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,372.20	122.60
			<i>For Flange Frame, Add</i>	212.70	
			<i>For Clear Lacquer Finish, Add</i>	425.40	
			<i>For Baked Enamel Standard Colors, Add</i>	638.10	
			<i>For Anodized Finish, Add</i>	850.80	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,169.85	
08 91	19 00-0179	EA	78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,497.41	126.11
			<i>For Flange Frame, Add</i>	224.52	
			<i>For Clear Lacquer Finish, Add</i>	449.04	
			<i>For Baked Enamel Standard Colors, Add</i>	673.56	
			<i>For Anodized Finish, Add</i>	898.08	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,234.86	
08 91	19 00-0180	EA	78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,622.62	129.60
			<i>For Flange Frame, Add</i>	236.34	
			<i>For Clear Lacquer Finish, Add</i>	472.68	
			<i>For Baked Enamel Standard Colors, Add</i>	709.02	
			<i>For Anodized Finish, Add</i>	945.36	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,299.87	
08 91	19 00-0181	EA	78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,820.42	133.11
			<i>For Flange Frame, Add</i>	255.42	
			<i>For Clear Lacquer Finish, Add</i>	510.84	
			<i>For Baked Enamel Standard Colors, Add</i>	766.26	
			<i>For Anodized Finish, Add</i>	1,021.68	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,404.81	



Openings	08	08
Louvers And Vents	08 90	
Louvers	08 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0182 EA 84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	731.70	59.55
Note: Includes bird screen.		
For Flange Frame, Add	61.26	
For Clear Lacquer Finish, Add	122.52	
For Baked Enamel Standard Colors, Add	183.78	
For Anodized Finish, Add	245.04	
For Kynar™ Standard Colors Finish, Add	336.93	
08 91 19 00-0183 EA 84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	896.72	70.06
Note: Includes bird screen.		
For Flange Frame, Add	75.66	
For Clear Lacquer Finish, Add	151.32	
For Baked Enamel Standard Colors, Add	226.98	
For Anodized Finish, Add	302.64	
For Kynar™ Standard Colors Finish, Add	416.13	
08 91 19 00-0184 EA 84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,047.93	80.57
Note: Includes bird screen.		
For Flange Frame, Add	88.68	
For Clear Lacquer Finish, Add	177.36	
For Baked Enamel Standard Colors, Add	266.04	
For Anodized Finish, Add	354.72	
For Kynar™ Standard Colors Finish, Add	487.74	
08 91 19 00-0185 EA 84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,205.44	85.82
Note: Includes bird screen.		
For Flange Frame, Add	103.38	
For Clear Lacquer Finish, Add	206.76	
For Baked Enamel Standard Colors, Add	310.14	
For Anodized Finish, Add	413.52	
For Kynar™ Standard Colors Finish, Add	568.59	
08 91 19 00-0186 EA 84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,416.45	89.33
Note: Includes bird screen.		
For Flange Frame, Add	123.78	
For Clear Lacquer Finish, Add	247.56	
For Baked Enamel Standard Colors, Add	371.34	
For Anodized Finish, Add	495.12	
For Kynar™ Standard Colors Finish, Add	680.79	
08 91 19 00-0187 EA 84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,558.45	92.83
Note: Includes bird screen.		
For Flange Frame, Add	137.28	
For Clear Lacquer Finish, Add	274.56	
For Baked Enamel Standard Colors, Add	411.84	
For Anodized Finish, Add	549.12	
For Kynar™ Standard Colors Finish, Add	755.04	
08 91 19 00-0188 EA 84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,696.17	98.08
Note: Includes bird screen.		
For Flange Frame, Add	150.00	
For Clear Lacquer Finish, Add	300.00	
For Baked Enamel Standard Colors, Add	450.00	
For Anodized Finish, Add	600.00	
For Kynar™ Standard Colors Finish, Add	825.00	
08 91 19 00-0189 EA 84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,859.17	101.59
Note: Includes bird screen.		
For Flange Frame, Add	165.60	
For Clear Lacquer Finish, Add	331.20	
For Baked Enamel Standard Colors, Add	496.80	
For Anodized Finish, Add	662.40	
For Kynar™ Standard Colors Finish, Add	910.80	
08 91 19 00-0190 EA 84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,997.48	106.84
Note: Includes bird screen.		
For Flange Frame, Add	178.38	
For Clear Lacquer Finish, Add	356.76	
For Baked Enamel Standard Colors, Add	535.14	
For Anodized Finish, Add	713.52	
For Kynar™ Standard Colors Finish, Add	981.09	
08 91 19 00-0191 EA 84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,219.59	115.59
Note: Includes bird screen.		
For Flange Frame, Add	198.84	
For Clear Lacquer Finish, Add	397.68	
For Baked Enamel Standard Colors, Add	596.52	
For Anodized Finish, Add	795.36	
For Kynar™ Standard Colors Finish, Add	1,093.62	
08 91 19 00-0192 EA 84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,354.90	120.85
Note: Includes bird screen.		
For Flange Frame, Add	211.32	
For Clear Lacquer Finish, Add	422.64	
For Baked Enamel Standard Colors, Add	633.96	
For Anodized Finish, Add	845.28	
For Kynar™ Standard Colors Finish, Add	1,162.26	
08 91 19 00-0193 EA 84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,503.41	126.11
Note: Includes bird screen.		
For Flange Frame, Add	225.12	
For Clear Lacquer Finish, Add	450.24	
For Baked Enamel Standard Colors, Add	675.36	
For Anodized Finish, Add	900.48	
For Kynar™ Standard Colors Finish, Add	1,238.16	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0194 EA 84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,662.22	129.60
Note: Includes bird screen.		
For Flange Frame, Add	240.30	
For Clear Lacquer Finish, Add	480.60	
For Baked Enamel Standard Colors, Add	720.90	
For Anodized Finish, Add	961.20	
For Kynar™ Standard Colors Finish, Add	1,321.65	
08 91 19 00-0195 EA 84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,805.42	133.11
Note: Includes bird screen.		
For Flange Frame, Add	253.92	
For Clear Lacquer Finish, Add	507.84	
For Baked Enamel Standard Colors, Add	761.76	
For Anodized Finish, Add	1,015.68	
For Kynar™ Standard Colors Finish, Add	1,396.56	
08 91 19 00-0196 EA 84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,018.23	136.61
Note: Includes bird screen.		
For Flange Frame, Add	274.50	
For Clear Lacquer Finish, Add	549.00	
For Baked Enamel Standard Colors, Add	823.50	
For Anodized Finish, Add	1,098.00	
For Kynar™ Standard Colors Finish, Add	1,509.75	
08 91 19 00-0197 EA 90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	776.40	64.81
Note: Includes bird screen.		
For Flange Frame, Add	64.68	
For Clear Lacquer Finish, Add	129.36	
For Baked Enamel Standard Colors, Add	194.04	
For Anodized Finish, Add	258.72	
For Kynar™ Standard Colors Finish, Add	355.74	
08 91 19 00-0198 EA 90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	943.83	75.31
Note: Includes bird screen.		
For Flange Frame, Add	79.32	
For Clear Lacquer Finish, Add	158.64	
For Baked Enamel Standard Colors, Add	237.96	
For Anodized Finish, Add	317.28	
For Kynar™ Standard Colors Finish, Add	436.26	
08 91 19 00-0199 EA 90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,101.04	85.82
Note: Includes bird screen.		
For Flange Frame, Add	92.94	
For Clear Lacquer Finish, Add	185.88	
For Baked Enamel Standard Colors, Add	278.82	
For Anodized Finish, Add	371.76	
For Kynar™ Standard Colors Finish, Add	511.17	
08 91 19 00-0200 EA 90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,263.36	91.07
Note: Includes bird screen.		
For Flange Frame, Add	108.12	
For Clear Lacquer Finish, Add	216.24	
For Baked Enamel Standard Colors, Add	324.36	
For Anodized Finish, Add	432.48	
For Kynar™ Standard Colors Finish, Add	594.66	
08 91 19 00-0201 EA 90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,488.76	94.58
Note: Includes bird screen.		
For Flange Frame, Add	129.96	
For Clear Lacquer Finish, Add	259.92	
For Baked Enamel Standard Colors, Add	389.88	
For Anodized Finish, Add	519.84	
For Kynar™ Standard Colors Finish, Add	714.78	
08 91 19 00-0202 EA 90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,635.57	98.08
Note: Includes bird screen.		
For Flange Frame, Add	143.94	
For Clear Lacquer Finish, Add	287.88	
For Baked Enamel Standard Colors, Add	431.82	
For Anodized Finish, Add	575.76	
For Kynar™ Standard Colors Finish, Add	791.67	
08 91 19 00-0203 EA 90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,775.77	101.59
Note: Includes bird screen.		
For Flange Frame, Add	157.26	
For Clear Lacquer Finish, Add	314.52	
For Baked Enamel Standard Colors, Add	471.78	
For Anodized Finish, Add	629.04	
For Kynar™ Standard Colors Finish, Add	864.93	
08 91 19 00-0204 EA 90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,947.78	105.08
Note: Includes bird screen.		
For Flange Frame, Add	173.76	
For Clear Lacquer Finish, Add	347.52	
For Baked Enamel Standard Colors, Add	521.28	
For Anodized Finish, Add	695.04	
For Kynar™ Standard Colors Finish, Add	955.68	
08 91 19 00-0205 EA 90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,093.29	110.34
Note: Includes bird screen.		
For Flange Frame, Add	187.26	
For Clear Lacquer Finish, Add	374.52	
For Baked Enamel Standard Colors, Add	561.78	
For Anodized Finish, Add	749.04	
For Kynar™ Standard Colors Finish, Add	1,029.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0206 EA 90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,327.99	119.10
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	208.98	
<i>For Clear Lacquer Finish, Add</i>	417.96	
<i>For Baked Enamel Standard Colors, Add</i>	626.94	
<i>For Anodized Finish, Add</i>	835.92	
<i>For Kynar™ Standard Colors Finish, Add</i>	1,149.39	
08 91 19 00-0207 EA 90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,469.31	124.35
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	222.06	
<i>For Clear Lacquer Finish, Add</i>	444.12	
<i>For Baked Enamel Standard Colors, Add</i>	666.18	
<i>For Anodized Finish, Add</i>	888.24	
<i>For Kynar™ Standard Colors Finish, Add</i>	1,221.33	
08 91 19 00-0208 EA 90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,631.02	129.60
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	237.18	
<i>For Clear Lacquer Finish, Add</i>	474.36	
<i>For Baked Enamel Standard Colors, Add</i>	711.54	
<i>For Anodized Finish, Add</i>	948.72	
<i>For Kynar™ Standard Colors Finish, Add</i>	1,304.49	
08 91 19 00-0209 EA 90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,799.42	133.11
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	253.32	
<i>For Clear Lacquer Finish, Add</i>	506.64	
<i>For Baked Enamel Standard Colors, Add</i>	759.96	
<i>For Anodized Finish, Add</i>	1,013.28	
<i>For Kynar™ Standard Colors Finish, Add</i>	1,393.26	
08 91 19 00-0210 EA 90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,942.53	138.36
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	266.58	
<i>For Clear Lacquer Finish, Add</i>	533.16	
<i>For Baked Enamel Standard Colors, Add</i>	799.74	
<i>For Anodized Finish, Add</i>	1,066.32	
<i>For Kynar™ Standard Colors Finish, Add</i>	1,466.19	
08 91 19 00-0211 EA 90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,167.94	141.87
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	288.42	
<i>For Clear Lacquer Finish, Add</i>	576.84	
<i>For Baked Enamel Standard Colors, Add</i>	865.26	
<i>For Anodized Finish, Add</i>	1,153.68	
<i>For Kynar™ Standard Colors Finish, Add</i>	1,586.31	
08 91 19 00-0212 EA 96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	815.12	70.06
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	67.50	
<i>For Clear Lacquer Finish, Add</i>	135.00	
<i>For Baked Enamel Standard Colors, Add</i>	202.50	
<i>For Anodized Finish, Add</i>	270.00	
<i>For Kynar™ Standard Colors Finish, Add</i>	371.25	
08 91 19 00-0213 EA 96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	988.53	80.57
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	82.74	
<i>For Clear Lacquer Finish, Add</i>	165.48	
<i>For Baked Enamel Standard Colors, Add</i>	248.22	
<i>For Anodized Finish, Add</i>	330.96	
<i>For Kynar™ Standard Colors Finish, Add</i>	455.07	
08 91 19 00-0214 EA 96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,153.56	91.07
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	97.14	
<i>For Clear Lacquer Finish, Add</i>	194.28	
<i>For Baked Enamel Standard Colors, Add</i>	291.42	
<i>For Anodized Finish, Add</i>	388.56	
<i>For Kynar™ Standard Colors Finish, Add</i>	534.27	
08 91 19 00-0215 EA 96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,324.86	96.33
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	113.22	
<i>For Clear Lacquer Finish, Add</i>	226.44	
<i>For Baked Enamel Standard Colors, Add</i>	339.66	
<i>For Anodized Finish, Add</i>	452.88	
<i>For Kynar™ Standard Colors Finish, Add</i>	622.71	
08 91 19 00-0216 EA 96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,557.46	99.83
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	135.78	
<i>For Clear Lacquer Finish, Add</i>	271.56	
<i>For Baked Enamel Standard Colors, Add</i>	407.34	
<i>For Anodized Finish, Add</i>	543.12	
<i>For Kynar™ Standard Colors Finish, Add</i>	746.79	
08 91 19 00-0217 EA 96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,728.87	103.34
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	152.22	
<i>For Clear Lacquer Finish, Add</i>	304.44	
<i>For Baked Enamel Standard Colors, Add</i>	456.66	
<i>For Anodized Finish, Add</i>	608.88	
<i>For Kynar™ Standard Colors Finish, Add</i>	837.21	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0218	EA	96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,878.08	106.84
			<i>For Flange Frame, Add</i>	166.44	
			<i>For Clear Lacquer Finish, Add</i>	332.88	
			<i>For Baked Enamel Standard Colors, Add</i>	499.32	
			<i>For Anodized Finish, Add</i>	665.76	
			<i>For Kynar™ Standard Colors Finish, Add</i>	915.42	
08 91	19 00-0219	EA	96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,041.69	110.34
			<i>For Flange Frame, Add</i>	182.10	
			<i>For Clear Lacquer Finish, Add</i>	364.20	
			<i>For Baked Enamel Standard Colors, Add</i>	546.30	
			<i>For Anodized Finish, Add</i>	728.40	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,001.55	
08 91	19 00-0220	EA	96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,193.29	113.84
			<i>For Flange Frame, Add</i>	196.56	
			<i>For Clear Lacquer Finish, Add</i>	393.12	
			<i>For Baked Enamel Standard Colors, Add</i>	589.68	
			<i>For Anodized Finish, Add</i>	786.24	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,081.08	
08 91	19 00-0221	EA	96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,445.40	122.60
			<i>For Flange Frame, Add</i>	220.02	
			<i>For Clear Lacquer Finish, Add</i>	440.04	
			<i>For Baked Enamel Standard Colors, Add</i>	660.06	
			<i>For Anodized Finish, Add</i>	880.08	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,210.11	
08 91	19 00-0222	EA	96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,945.91	127.86
			<i>For Flange Frame, Add</i>	169.02	
			<i>For Clear Lacquer Finish, Add</i>	338.04	
			<i>For Baked Enamel Standard Colors, Add</i>	507.06	
			<i>For Anodized Finish, Add</i>	676.08	
			<i>For Kynar™ Standard Colors Finish, Add</i>	929.61	
08 91	19 00-0223	EA	96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,756.82	133.11
			<i>For Flange Frame, Add</i>	249.06	
			<i>For Clear Lacquer Finish, Add</i>	498.12	
			<i>For Baked Enamel Standard Colors, Add</i>	747.18	
			<i>For Anodized Finish, Add</i>	996.24	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,369.83	
08 91	19 00-0224	EA	96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,931.23	136.61
			<i>For Flange Frame, Add</i>	265.80	
			<i>For Clear Lacquer Finish, Add</i>	531.60	
			<i>For Baked Enamel Standard Colors, Add</i>	797.40	
			<i>For Anodized Finish, Add</i>	1,063.20	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,461.90	
08 91	19 00-0225	EA	96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,081.54	141.87
			<i>For Flange Frame, Add</i>	279.78	
			<i>For Clear Lacquer Finish, Add</i>	559.56	
			<i>For Baked Enamel Standard Colors, Add</i>	839.34	
			<i>For Anodized Finish, Add</i>	1,119.12	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,538.79	
08 91	19 00-0226	EA	96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,324.24	147.12
			<i>For Flange Frame, Add</i>	303.00	
			<i>For Clear Lacquer Finish, Add</i>	606.00	
			<i>For Baked Enamel Standard Colors, Add</i>	909.00	
			<i>For Anodized Finish, Add</i>	1,212.00	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,666.50	
08 91	19 00-0227		Gable Louver Vents <small>(08 91 19)</small> Note: 1" deep, residential/light commercial grade louvers.		
08 91	19 00-0228		Aluminum Gable Louver Vents <small>(08 91 19 00-0227)</small> Note: Includes screen.		
08 91	19 00-0229		Rectangular Aluminum Gable Louver Vents <small>(08 91 19 00-0228)</small> Note: Includes screen.		
08 91	19 00-0230	EA	12" x 18" Rectangular Fixed Aluminum Gable Louver Vent.....	135.13	5.56
08 91	19 00-0231	EA	12" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	147.74	6.37
08 91	19 00-0232	EA	18" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	170.50	7.20
08 91	19 00-0233	EA	18" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	187.07	7.66
08 91	19 00-0234	EA	24" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	213.77	8.11
08 91	19 00-0235	EA	24" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	238.91	9.72
08 91	19 00-0236	EA	30" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	276.63	12.15
08 91	19 00-0237	EA	30" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	308.07	14.18
08 91	19 00-0238	EA	36" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	352.08	17.03
08 91	19 00-0239	EA	42" x 48" Rectangular Fixed Aluminum Gable Louver Vent.....	440.09	22.69
08 91	19 00-0240		Square Aluminum Gable Louver Vents <small>(08 91 19 00-0228)</small> Note: Includes screen.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0241	EA		12" x 12" Square Fixed Aluminum Gable Louver Vent	123.67	5.11
08 91 19 00-0242	EA		18" x 18" Square Fixed Aluminum Gable Louver Vent	153.12	6.49
08 91 19 00-0243	EA		24" x 24" Square Fixed Aluminum Gable Louver Vent	192.13	7.66
08 91 19 00-0244	EA		30" x 30" Square Fixed Aluminum Gable Louver Vent	245.19	10.13
08 91 19 00-0245	EA		36" x 36" Square Fixed Aluminum Gable Louver Vent	314.36	14.59
08 91 19 00-0246	EA		42" x 42" Square Fixed Aluminum Gable Louver Vent	396.04	19.85
08 91 19 00-0247	EA		48" x 48" Square Fixed Aluminum Gable Louver Vent	490.39	25.94
08 91 19 00-0248 Round Aluminum Gable Louver Vents (08 91 19 00-0228)					
Note: Includes screen.					
08 91 19 00-0249	EA		12" Diameter Round Fixed Aluminum Gable Louver Vent.....	123.67	5.11
08 91 19 00-0250	EA		18" Diameter Round Fixed Aluminum Gable Louver Vent.....	153.12	6.49
08 91 19 00-0251	EA		24" Diameter Round Fixed Aluminum Gable Louver Vent.....	192.13	7.66
08 91 19 00-0252	EA		30" Diameter Round Fixed Aluminum Gable Louver Vent.....	245.19	10.13
08 91 19 00-0253	EA		36" Diameter Round Fixed Aluminum Gable Louver Vent.....	314.36	14.59
08 91 19 00-0254	EA		42" Diameter Round Fixed Aluminum Gable Louver Vent.....	396.08	19.86
08 91 19 00-0255 Octagonal Aluminum Gable Louver Vents (08 91 19 00-0228)					
Note: Includes screen.					
08 91 19 00-0256	EA		12" x 12" Octagonal Fixed Aluminum Gable Louver Vent.....	123.67	5.11
08 91 19 00-0257	EA		12" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	135.13	5.56
08 91 19 00-0258	EA		12" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	147.74	6.37
08 91 19 00-0259	EA		18" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	153.12	6.49
08 91 19 00-0260	EA		18" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	170.50	7.20
08 91 19 00-0261	EA		18" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	187.07	7.66
08 91 19 00-0262	EA		24" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	192.13	7.66
08 91 19 00-0263	EA		24" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	213.77	8.11
08 91 19 00-0264	EA		24" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	238.91	9.72
08 91 19 00-0265	EA		30" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	245.19	10.13
08 91 19 00-0266	EA		30" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	276.63	12.15
08 91 19 00-0267	EA		30" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	308.07	14.18
08 91 19 00-0268	EA		36" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	314.36	14.59
08 91 19 00-0269	EA		36" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	352.08	17.03
08 91 19 00-0270	EA		36" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	389.80	19.46
08 91 19 00-0271	EA		42" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	396.08	19.86
08 91 19 00-0272	EA		42" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	440.09	22.69
08 91 19 00-0273	EA		48" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	490.39	25.94
08 91 19 00-0274 Round Top Aluminum Gable Louver Vents (08 91 19 00-0228)					
Note: Includes screen.					
08 91 19 00-0275	EA		12" x 12" Round Top Fixed Aluminum Gable Louver Vent	123.67	5.11
08 91 19 00-0276	EA		12" x 18" Round Top Fixed Aluminum Gable Louver Vent	135.13	5.56
08 91 19 00-0277	EA		12" x 24" Round Top Fixed Aluminum Gable Louver Vent	147.74	6.37
08 91 19 00-0278	EA		18" x 18" Round Top Fixed Aluminum Gable Louver Vent	153.12	6.49
08 91 19 00-0279	EA		18" x 24" Round Top Fixed Aluminum Gable Louver Vent	170.50	7.20
08 91 19 00-0280	EA		18" x 30" Round Top Fixed Aluminum Gable Louver Vent	187.07	7.66
08 91 19 00-0281	EA		24" x 24" Round Top Fixed Aluminum Gable Louver Vent	192.13	7.66
08 91 19 00-0282	EA		24" x 30" Round Top Fixed Aluminum Gable Louver Vent	213.77	8.11
08 91 19 00-0283	EA		24" x 36" Round Top Fixed Aluminum Gable Louver Vent	238.91	9.72
08 91 19 00-0284	EA		30" x 30" Round Top Fixed Aluminum Gable Louver Vent	245.19	10.13
08 91 19 00-0285	EA		30" x 36" Round Top Fixed Aluminum Gable Louver Vent	276.63	12.15
08 91 19 00-0286	EA		30" x 42" Round Top Fixed Aluminum Gable Louver Vent	308.07	14.18
08 91 19 00-0287	EA		36" x 36" Round Top Fixed Aluminum Gable Louver Vent	314.36	14.59
08 91 19 00-0288	EA		36" x 42" Round Top Fixed Aluminum Gable Louver Vent	352.08	17.03
08 91 19 00-0289	EA		36" x 48" Round Top Fixed Aluminum Gable Louver Vent	389.80	19.46
08 91 19 00-0290	EA		42" x 42" Round Top Fixed Aluminum Gable Louver Vent	396.08	19.86
08 91 19 00-0291	EA		42" x 48" Round Top Fixed Aluminum Gable Louver Vent	440.09	22.69
08 91 19 00-0292	EA		48" x 48" Round Top Fixed Aluminum Gable Louver Vent	490.39	25.94
08 91 19 00-0293 Triangle Aluminum Gable Louver Vents (08 91 19 00-0228)					
Note: Includes screen.					
08 91 19 00-0294	EA		36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	259.28	6.37
08 91 19 00-0295	EA		36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	293.53	7.66
08 91 19 00-0296	EA		48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	315.17	8.11
08 91 19 00-0297	EA		48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	360.59	9.72
08 91 19 00-0298	EA		48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	402.36	10.13
08 91 19 00-0299	EA		60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	327.33	12.15
08 91 19 00-0300	EA		60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	384.12	14.18
08 91 19 00-0301	EA		60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	436.04	14.59
08 91 19 00-0302	EA		60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	494.04	17.03
08 91 19 00-0303	EA		72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	389.80	19.46
08 91 19 00-0304	EA		72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	451.85	19.86
08 91 19 00-0305	EA		72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	521.21	22.69
08 91 19 00-0306	EA		72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	591.79	25.94
08 91 19 00-0307	EA		72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent.....	664.24	29.81

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 91 19 00-0308	Vinyl Gable Louver Vents (08 91 19 00-0227)		
	Note: Includes screen.		
08 91 19 00-0309	EA 12" x 12" Square Fixed Vinyl Gable Louver Vent.....	38.77	5.11
08 91 19 00-0310	EA 12" x 18" Rectangular Fixed Vinyl Gable Louver Vent.....	47.13	5.56
08 91 19 00-0311	EA 18" x 24" Rectangular Fixed Vinyl Gable Louver Vent.....	64.48	7.20
08 91 19 00-0312	EA 24" x 30" Rectangular Fixed Vinyl Gable Louver Vent.....	89.09	8.11
08 91 19 00-0313	EA 18" Diameter Round Fixed Vinyl Gable Louver Vent.....	62.63	6.49
08 91 19 00-0314	EA 22" Diameter Round Fixed Vinyl Gable Louver Vent.....	72.32	7.66
08 91 19 00-0315	EA 30" Diameter Round Fixed Vinyl Gable Louver Vent.....	102.24	10.13
08 91 19 00-0316	EA 36" Diameter Round Fixed Vinyl Gable Louver Vent.....	149.54	14.59
08 91 19 00-0317	EA 18" x 18" Octagonal Fixed Vinyl Gable Louver Vent.....	62.63	6.49
08 91 19 00-0318	EA 22" x 22" Octagonal Fixed Vinyl Gable Louver Vent.....	70.97	7.20
08 91 19 00-0319	EA 27" x 27" Octagonal Fixed Vinyl Gable Louver Vent.....	92.08	8.11
08 91 19 00-0320	EA 32" x 32" Octagonal Fixed Vinyl Gable Louver Vent.....	130.47	12.15
08 91 19 00-0321	EA 40" x 40" Octagonal Fixed Vinyl Gable Louver Vent.....	314.17	19.46
08 91 19 00-0322	EA 14" x 22" Round Top Fixed Vinyl Gable Louver Vent.....	61.37	6.37
08 91 19 00-0323	EA 22" x 32" Round Top Fixed Vinyl Gable Louver Vent.....	85.88	8.11
08 91 19 00-0324	EA 34" x 22" Half Round Fixed Vinyl Gable Louver Vent.....	88.41	9.72
08 91 19 00-0325	EA 52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	207.26	12.15
08 91 19 00-0326	EA 56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	207.26	12.15
08 91 19 00-0327	EA 56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	207.26	12.15
08 91 19 00-0328	EA 62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	207.26	12.15
08 91 19 00-0329	EA 62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent.....	207.26	12.15
08 91 19 00-0330	EA 70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent.....	229.17	19.46
08 91 19 00-0331	EA 70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	229.17	19.46
08 91 19 00-0332	EA 72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent.....	229.17	19.46
08 91 19 00-0333	EA 74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	229.17	19.46
08 95	Vents (08 90)		
08 95 13	Soffit Vents (08 95)		
08 95 13 00-0001	Aluminum Soffit Vents (08 95 13)		
08 95 13 00-0002	LF 2-1/2" Wide Aluminum Soffit Vent.....	4.01	1.61
08 95 13 00-0003	LF 3" Wide Aluminum Soffit Vent.....	7.53	3.15
08 95 13 00-0004	EA 4" x 16" Under Eave Vent, Mill Finish.....	11.30	4.20
08 95 13 00-0005	EA 8" x 16" Under Eave Vent, Mill Finish.....	11.55	4.20
08 95 13 00-0006	Vinyl Soffit Vents (08 95 13)		
08 95 13 00-0007	LF Up To 2" Vinyl Soffit Vent, Perforated, White.....	3.30	1.36
	For Colors, Add	0.06	
08 95 13 00-0008	LF 3" To 4" Vinyl Soffit Vent, Perforated, White.....	3.37	1.36
	For Colors, Add	0.07	
08 95 16	Wall Vents (08 95)		
08 95 16 00-0001	Foundation Vents (08 95 16)		
08 95 16 00-0002	SI Galvanized Steel Foundation Vent.....	0.34	0.11
08 95 16 00-0003	SI Aluminum Foundation Vent.....	0.35	0.11
08 95 16 00-0004	SI Stainless Steel Foundation Vent.....	0.89	0.11
08 95 16 00-0005	SI Plastic Foundation Vent.....	0.24	0.11

END OF SECTION 08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 Finishes

09 01 Maintenance Of Finishes (09)

09 01 20 Maintenance Of Plaster And Gypsum Board (09 01)

09 01 20 91 Plaster Restoration (09 01 20)

09 01 20 91-0001	SF	Cut And Patch Hole In Drywall To Match Existing <small>(09 01 20 91)</small> Note: Includes cutting of existing gypsum board, cutting new board to fit opening, finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 32 SF.	
09 01 20 91-0002	SF	Up To 2 SF, Cut And Patch Hole In Drywall To Match Existing Note: Per location.	11.69
09 01 20 91-0003	SF	>2 To 4 SF, Cut And Patch Hole In Drywall To Match Existing Note: Per location.	9.47
09 01 20 91-0004	SF	>4 To 8 SF, Cut And Patch Hole In Drywall To Match Existing Note: Per location.	8.51
09 01 20 91-0005	SF	>8 To 16 SF, Cut And Patch Hole In Drywall To Match Existing Note: Per location.	7.52
09 01 20 91-0006	SF	>16 To 32 SF, Cut And Patch Hole In Drywall To Match Existing Note: Per location. See CSI section 09 29 00 00-0001 for "Gypsum Board" repairs > 32 SF.	6.74

09 01 20 91-0007 Plaster/Stucco Repair (09 01 20 91) Note: Per location.

09 01 20 91-0008	LF	Clean And Repair Crack In Plaster/Stucco <small>(09 01 20 91-0007)</small> Note: Includes plaster weld.	
09 01 20 91-0009	LF	Up To 10', Chip, Clean And Repair Crack In Plaster/Stucco	11.26
09 01 20 91-0010	LF	>10' To 50', Chip, Clean And Repair Crack In Plaster/Stucco	9.04
09 01 20 91-0011	LF	>50' To 100', Chip, Clean And Repair Crack In Plaster/Stucco	7.36
09 01 20 91-0012	LF	>100' To 250', Chip, Clean And Repair Crack In Plaster/Stucco	5.70
09 01 20 91-0013	LF	>250' To 500', Chip, Clean And Repair Crack In Plaster/Stucco	4.58
09 01 20 91-0014	LF	>500', Chip, Clean And Repair Crack In Plaster/Stucco	3.47

09 01 20 91-0015 Cut And Patch Hole In Plaster To Match Existing (09 01 20 91-0007) Note: Includes plaster weld.

09 01 20 91-0016	SF	Up To 10 SF, Cut And Patch Hole In Plaster To Match Existing	10.72
09 01 20 91-0017	SF	>10 To 50 SF, Cut And Patch Hole In Plaster To Match Existing	9.49
09 01 20 91-0018	SF	>50 To 100 SF, Cut And Patch Hole In Plaster To Match Existing	8.74
09 01 20 91-0019	SF	>100 To 250 SF, Cut And Patch Hole In Plaster To Match Existing	8.12
09 01 20 91-0020	SF	>250 To 500 SF, Cut And Patch Hole In Plaster To Match Existing	7.58
09 01 20 91-0021	SF	>500 SF, Cut And Patch Hole In Plaster To Match Existing	6.97

09 01 20 91-0022 Chip, Clean And Repair Plaster/Stucco (09 01 20 91-0007) Note: Includes plaster weld.

09 01 20 91-0023	SF	Up To 10 SF, Chip, Clean And Repair Plaster/Stucco	20.27
09 01 20 91-0024	SF	>10 To 50 SF, Chip, Clean And Repair Plaster/Stucco	14.70
09 01 20 91-0025	SF	>50 To 250 SF, Chip, Clean And Repair Plaster/Stucco	10.80
09 01 20 91-0026	SF	>250 SF, Chip, Clean And Repair Plaster/Stucco	8.58

09 01 30 Maintenance of Tiling (09 01)

09 01 30 91 Tile Restoration (09 01 30)

09 01 30 91-0001	SF	RegROUT Floor Tile Including Removal Of Loose Grout	4.30
09 01 30 91-0002	SF	RegROUT Wall Tile Including Removal Of Loose Grout	5.36
09 01 30 91-0003	SF	Up To 1 SF, Cut And Patch Hole In Tile To Match Existing Note: Per location.	28.64

09 01 60 Maintenance Of Flooring (09 01)

09 01 60 91 Flooring Restoration (09 01 60)

09 01 60 91-0001	LF	Grinding, Polishing And Sealing Terrazzo <small>(09 01 60 91)</small>	
09 01 60 91-0002	CSF	Grinding, Polishing And Sealing Existing Terrazzo	176.35
09 01 60 91-0003	SF	Removal Of Setting Bed And Clean Area For Terrazzo Repair	2.65
09 01 60 91-0004	SF	Repair Existing Terrazzo	13.00
09 01 60 91-0005	LF	Repair Cracks In Existing Terrazzo	2.79
09 01 60 91-0006	SY	Prepare Existing Concrete Floor Prior To Installation Of Carpet <small>(09 01 60 91)</small>	
09 01 60 91-0007	SY	Grinding Of Existing Concrete Floor Prior To Installation Of Carpet	7.93
09 01 60 91-0008	SY	Chemical Prepare Existing Concrete Floor Prior To Installation Of Carpet	4.77

09 Finishes**09 01 Maintenance Of Finishes****09 01 60 Maintenance Of Flooring**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 60 91-0009 Masonry/Tile/Stone/Terrazzo Floor Sealants (09 01 60 91)		
09 01 60 91-0010 SF Water-Based Emulsion Masonry/Tile/Stone/Terrazzo Floor Sealant/Finish, Per Coat.....0.74 Note: For terrazzo, concrete, quarry tile, brick and unglazed ceramic tile.	0.74	
09 01 60 91-0011 SF Fluorochemical Acrylate Copolymer Masonry/Tile/Stone/Terrazzo Floor Sealant	0.87	
09 01 60 91-0012 GAL Masonry/Tile/Stone/Terrazzo Floor Sealant (Extra To Be Provided To Owner).....	36.12	
09 05 Common Work Results For Finishes (09)		
09 05 61 Common Work Results for Flooring Preparation (09 05)		
09 05 61 13 Moisture Vapor Emission Control (09 05 61)		
09 05 61 13-0001 Moisture Vapor Reduction (Koester VAP) (09 05 61 13)		
09 05 61 13-0002 EA Up To 200 SF, Water Vapor Emission Control System (Koester VAP 1-2000).....1,550.04 Note: Clear	1,550.04	
09 05 61 13-0003 SF >200 To 500 SF, Water Vapor Emission Control System (Koester VAP 1-2001)	8.20	
09 05 61 13-0004 SF >500 To 1,000 SF, Water Vapor Emission Control System (Koester VAP 1-2002)	5.47	
09 05 61 13-0005 SF >1,000 To 3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2003)	4.56	
09 05 61 13-0006 SF >3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2004)	3.64	
09 05 61 13-0007 Moisture Vapor Transmission Control (Dependable Cutdown® II) (09 05 61 13)		
09 05 61 13-0008 SF 8# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	2.45	
09 05 61 13-0009 SF 15# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	3.36	
09 05 71 Acoustic Underlayment (09 05)		
09 05 71 00-0001 Tile And Stone Acoustical Underlayment (09 05 71)		
09 05 71 00-0002 SF 5 Mil Tile And Stone Acoustical Underlayment (EasyMat)	2.31	
For Chemical Resistant Epoxy Grout, Add	0.32	
09 05 71 00-0003 Resilient Floor Acoustical Underlayment (09 05 71)		
09 05 71 00-0004 SF Vinyl, Linoleum, LVT And Vinyl Strip Flooring Acoustical Underlayment (Impacta, Soundseal VC300)	1.64	
09 05 71 00-0005 SF 2 MM Thick Resilient Plank Floor Acoustical Underlayment (Floormuffler).....	0.92	
09 05 71 00-0006 SF 0.055" Thick High Density Polyurethane Foam Floor Acoustical Underlayment (Silencer LVT)	1.24	
09 20 Plaster And Gypsum Board (09)		
09 22 Supports For Plaster And Gypsum Board (09 20)		
Note: Per SF of wall area measures one side. Do not deduct for opens of less than 25 SF when calculating total wall square footage.		
09 22 13 Metal Furring (09 22)		
09 22 13 00-0001 Hat Furring Channel (09 22 13)		
Note: Includes clips where required.		
09 22 13 00-0002 Installed On Walls, Hat Furring Channel (09 22 13 00-0001)		
09 22 13 00-0003 SF 7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	2.38	0.95
For Walls >10' High, Add	0.29	
For 24" On Center, Deduct	-0.29	
For 12" On Center, Add	0.38	
For 22 Gauge, Add	0.24	
For 20 Gauge, Add	0.60	
09 22 13 00-0004 SF 1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	2.56	0.95
For Walls >10' High, Add	0.29	
For 24" On Center, Deduct	-0.32	
For 12" On Center, Add	0.42	
For 22 Gauge, Add	0.33	
For 20 Gauge, Add	0.72	
09 22 13 00-0005 Installed On Columns And Beams, Hat Furring Channel (09 22 13 00-0001)		
09 22 13 00-0006 SF 7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	3.41	1.46
For Columns And Beams >10' High, Add	0.59	
For 24" On Center, Deduct	-0.39	
For 12" On Center, Add	0.54	
For 22 Gauge, Add	0.24	
For 20 Gauge, Add	0.76	
09 22 13 00-0007 SF 1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	3.60	1.46
For Columns And Beams >10' High, Add	0.59	
For 24" On Center, Deduct	-0.43	
For 12" On Center, Add	0.57	
For 22 Gauge, Add	0.34	
For 20 Gauge, Add	0.88	



Finishes	09	9
Plaster And Gypsum Board	09 20	
Supports For Plaster And Gypsum Board	09 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 00-0008 Installed On Ceilings, Hat Furring Channel <small>(09 22 13 00-0001)</small>		
09 22 13 00-0009 SF 7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	3.14	1.17
For Ceilings >10' High, Add	0.35	
For 24" On Center, Deduct	-0.39	
For 12" On Center, Add	0.51	
For 22 Gauge, Add	0.40	
For 20 Gauge, Add	0.87	
09 22 13 00-0010 SF 1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	3.33	1.17
For Ceilings >10' High, Add	0.35	
For 24" On Center, Deduct	-0.43	
For 12" On Center, Add	0.55	
For 22 Gauge, Add	0.49	
For 20 Gauge, Add	1.00	
09 22 13 00-0011 Z Furring Channel <small>(09 22 13)</small>		
09 22 13 00-0012 Installed On Walls, Z Furring Channel <small>(09 22 13 00-0011)</small>		
09 22 13 00-0013 SF 1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	2.06	0.95
For Walls >10' High, Add	0.29	
For 24" On Center, Deduct	-0.22	
For 12" On Center, Add	0.32	
For 22 Gauge, Add	0.08	
For 20 Gauge, Add	0.39	
09 22 13 00-0014 SF 1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	2.09	0.95
For Walls >10' High, Add	0.29	
For 24" On Center, Deduct	-0.23	
For 12" On Center, Add	0.32	
For 22 Gauge, Add	0.10	
For 20 Gauge, Add	0.41	
09 22 13 00-0015 SF 2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	2.12	0.95
For Walls >10' High, Add	0.29	
For 24" On Center, Deduct	-0.23	
For 12" On Center, Add	0.33	
For 22 Gauge, Add	0.11	
For 20 Gauge, Add	0.43	
09 22 13 00-0016 SF 2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	2.14	0.95
For Walls >10' High, Add	0.29	
For 24" On Center, Deduct	-0.24	
For 12" On Center, Add	0.33	
For 22 Gauge, Add	0.12	
For 20 Gauge, Add	0.44	
09 22 13 00-0017 SF 3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	2.16	0.95
For Walls >10' High, Add	0.29	
For 24" On Center, Deduct	-0.24	
For 12" On Center, Add	0.34	
For 22 Gauge, Add	0.13	
For 20 Gauge, Add	0.46	
09 22 13 00-0018 Single-Leg Resilient Channel, RC1 Furring Channel <small>(09 22 13)</small>		
Note: Includes clips where required.		
09 22 13 00-0019 Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel <small>(09 22 13 00-0018)</small>		
09 22 13 00-0020 SF 25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel	2.24	0.95
For Walls >10' High, Add	0.29	
For 24" On Center, Deduct	-0.26	
For 12" On Center, Add	0.35	
For 20 Gauge, Add	0.51	
09 22 13 00-0021 Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel <small>(09 22 13 00-0018)</small>		
09 22 13 00-0022 SF 25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel	2.69	1.17
For Ceilings >10' High, Add	0.35	
For 24" On Center, Deduct	-0.30	
For 12" On Center, Add	0.42	
For 20 Gauge, Add	0.58	
09 22 13 00-0023 Double-Leg Resilient Channel, RC2 Furring Channel <small>(09 22 13)</small>		
Note: Includes clips where required.		
09 22 13 00-0024 Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel <small>(09 22 13 00-0023)</small>		
09 22 13 00-0025 SF 25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel	2.36	0.95
For Walls >10' High, Add	0.29	
For 24" On Center, Deduct	-0.28	
For 12" On Center, Add	0.38	
For 20 Gauge, Add	0.59	
09 22 13 00-0026 Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel <small>(09 22 13 00-0023)</small>		

09 Finishes

09 20 Plaster And Gypsum Board

09 22 Supports For Plaster And Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 00-0027	SF		25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel	2.81	1.17
			<i>For Ceilings >10' High, Add</i>	0.35	
			<i>For 24" On Center, Deduct</i>	-0.33	
			<i>For 12" On Center, Add</i>	0.44	
			<i>For 20 Gauge, Add</i>	0.66	
09 22 16			Non-Structural Metal Framing <small>(09 22)</small>		
			Note: Includes all necessary framing studs, bridging, fasteners necessary to attach to floors, walls, ceilings and a metal stiffener at half height. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.		
09 22 16 13			Non-Structural Metal Stud Framing <small>(09 22 16)</small>		
09 22 16 13-0001			Non Load Bearing Wall Framing, 25 Gauge <small>(09 22 16 13)</small>		
09 22 16 13-0002	SF		1-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	1.52	0.40
			<i>For Walls >10' High, Add</i>	0.30	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	0.94	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	1.24	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.30	
			<i>For Horizontal Installation >10' High, Add</i>	0.40	
			<i>For Curved Wall, Add</i>	0.30	
			<i>For 12" On Center, Add</i>	0.25	
			<i>For 24" On Center, Deduct</i>	-0.25	
			<i>For Up To 200, Add</i>	0.50	
			<i>For >200 To 500, Add</i>	0.25	
			<i>For >2,000, Deduct</i>	-0.10	
09 22 16 13-0003	SF		2-1/2" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	1.62	0.41
			<i>For Walls >10' High, Add</i>	0.32	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	0.99	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	1.31	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.32	
			<i>For Horizontal Installation >10' High, Add</i>	0.42	
			<i>For Curved Wall, Add</i>	0.31	
			<i>For 12" On Center, Add</i>	0.27	
			<i>For 24" On Center, Deduct</i>	-0.27	
			<i>For Up To 200, Add</i>	0.53	
			<i>For >200 To 500, Add</i>	0.27	
			<i>For >2,000, Deduct</i>	-0.11	
09 22 16 13-0004	SF		3-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	1.77	0.43
			<i>For Walls >10' High, Add</i>	0.35	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.05	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	1.38	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.34	
			<i>For Horizontal Installation >10' High, Add</i>	0.45	
			<i>For Curved Wall, Add</i>	0.33	
			<i>For 12" On Center, Add</i>	0.30	
			<i>For 24" On Center, Deduct</i>	-0.30	
			<i>For Up To 200, Add</i>	0.57	
			<i>For >200 To 500, Add</i>	0.29	
			<i>For >2,000, Deduct</i>	-0.12	
09 22 16 13-0005	SF		4" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	1.88	0.45
			<i>For Walls >10' High, Add</i>	0.38	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.10	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	1.44	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.36	
			<i>For Horizontal Installation >10' High, Add</i>	0.47	
			<i>For Curved Wall, Add</i>	0.34	
			<i>For 12" On Center, Add</i>	0.32	
			<i>For 24" On Center, Deduct</i>	-0.32	
			<i>For Up To 200, Add</i>	0.60	
			<i>For >200 To 500, Add</i>	0.30	
			<i>For >2,000, Deduct</i>	-0.13	
09 22 16 13-0006	SF		6" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	2.11	0.48
			<i>For Walls >10' High, Add</i>	0.42	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.17	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	1.53	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.39	
			<i>For Horizontal Installation >10' High, Add</i>	0.51	
			<i>For Curved Wall, Add</i>	0.36	
			<i>For 12" On Center, Add</i>	0.36	
			<i>For 24" On Center, Deduct</i>	-0.36	
			<i>For Up To 200, Add</i>	0.66	
			<i>For >200 To 500, Add</i>	0.33	
			<i>For >2,000, Deduct</i>	-0.15	
09 22 16 13-0007			Non Load Bearing Wall Framing, 20 Gauge <small>(09 22 16 13)</small>		



Finishes	09	9
Plaster And Gypsum Board	09 20	
Supports For Plaster And Gypsum Board	09 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0008 SF 1-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	1.72	0.40
For Walls >10' High, Add	0.34	
For Soffit, Columns Or Beams Up To 10' High, Add	0.99	
For Soffit, Columns Or Beams >10' High, Add	1.29	
For Horizontal Installation Up To 10' High, Add	0.33	
For Horizontal Installation >10' High, Add	0.43	
For Curved Wall, Add	0.31	
For 12" On Center, Add	0.29	
For 24" On Center, Deduct	-0.29	
For Up To 200, Add	0.55	
For >200 To 500, Add	0.27	
For >2,000, Deduct	-0.12	
09 22 16 13-0009 SF 2-1/2" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	1.89	0.42
For Walls >10' High, Add	0.38	
For Soffit, Columns Or Beams Up To 10' High, Add	1.05	
For Soffit, Columns Or Beams >10' High, Add	1.37	
For Horizontal Installation Up To 10' High, Add	0.35	
For Horizontal Installation >10' High, Add	0.46	
For Curved Wall, Add	0.32	
For 12" On Center, Add	0.32	
For 24" On Center, Deduct	-0.32	
For Up To 200, Add	0.59	
For >200 To 500, Add	0.30	
For >2,000, Deduct	-0.14	
09 22 16 13-0010 SF 3-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	2.09	0.44
For Walls >10' High, Add	0.42	
For Soffit, Columns Or Beams Up To 10' High, Add	1.11	
For Soffit, Columns Or Beams >10' High, Add	1.44	
For Horizontal Installation Up To 10' High, Add	0.38	
For Horizontal Installation >10' High, Add	0.49	
For Curved Wall, Add	0.34	
For 12" On Center, Add	0.36	
For 24" On Center, Deduct	-0.36	
For Up To 200, Add	0.64	
For >200 To 500, Add	0.32	
For >2,000, Deduct	-0.15	
09 22 16 13-0011 SF 4" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	2.22	0.47
For Walls >10' High, Add	0.44	
For Soffit, Columns Or Beams Up To 10' High, Add	1.16	
For Soffit, Columns Or Beams >10' High, Add	1.51	
For Horizontal Installation Up To 10' High, Add	0.40	
For Horizontal Installation >10' High, Add	0.51	
For Curved Wall, Add	0.35	
For 12" On Center, Add	0.39	
For 24" On Center, Deduct	-0.39	
For Up To 200, Add	0.68	
For >200 To 500, Add	0.34	
For >2,000, Deduct	-0.16	
09 22 16 13-0012 SF 6" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	3.11	0.49
For Walls >10' High, Add	0.62	
For Soffit, Columns Or Beams Up To 10' High, Add	1.30	
For Soffit, Columns Or Beams >10' High, Add	1.66	
For Horizontal Installation Up To 10' High, Add	0.50	
For Horizontal Installation >10' High, Add	0.62	
For Curved Wall, Add	0.37	
For 12" On Center, Add	0.56	
For 24" On Center, Deduct	-0.56	
For Up To 200, Add	0.87	
For >200 To 500, Add	0.43	
For >2,000, Deduct	-0.25	
09 22 16 13-0013 Non Load Bearing Wall Framing, 18 Gauge <small>(09 22 16 13)</small>		
09 22 16 13-0014 SF 2-1/2" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	2.62	0.43
For Walls >10' High, Add	0.52	
For Soffit, Columns Or Beams Up To 10' High, Add	1.13	
For Soffit, Columns Or Beams >10' High, Add	1.46	
For Horizontal Installation Up To 10' High, Add	0.43	
For Horizontal Installation >10' High, Add	0.53	
For Curved Wall, Add	0.33	
For 12" On Center, Add	0.47	
For 24" On Center, Deduct	-0.47	
For Up To 200, Add	0.74	
For >200 To 500, Add	0.37	
For >2,000, Deduct	-0.21	

09 Finishes

09 20 Plaster And Gypsum Board

09 22 Supports For Plaster And Gypsum Board



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 22 16 13-0015	SF	3-5/8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	.....	2.91	0.45
		For Walls >10' High, Add		0.58	
		For Soffit, Columns Or Beams Up To 10' High, Add		1.21	
		For Soffit, Columns Or Beams >10' High, Add		1.56	
		For Horizontal Installation Up To 10' High, Add		0.46	
		For Horizontal Installation >10' High, Add		0.58	
		For Curved Wall, Add		0.35	
		For 12" On Center, Add		0.52	
		For 24" On Center, Deduct		-0.52	
		For Up To 200, Add		0.81	
		For >200 To 500, Add		0.41	
		For >2,000, Deduct		-0.23	
09 22 16 13-0016	SF	4" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	.....	3.12	0.48
		For Walls >10' High, Add		0.62	
		For Soffit, Columns Or Beams Up To 10' High, Add		1.27	
		For Soffit, Columns Or Beams >10' High, Add		1.63	
		For Horizontal Installation Up To 10' High, Add		0.49	
		For Horizontal Installation >10' High, Add		0.61	
		For Curved Wall, Add		0.36	
		For 12" On Center, Add		0.56	
		For 24" On Center, Deduct		-0.56	
		For Up To 200, Add		0.86	
		For >200 To 500, Add		0.43	
		For >2,000, Deduct		-0.25	
09 22 16 13-0017	SF	6" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	.....	4.09	0.50
		For Walls >10' High, Add		0.82	
		For Soffit, Columns Or Beams Up To 10' High, Add		1.43	
		For Soffit, Columns Or Beams >10' High, Add		1.81	
		For Horizontal Installation Up To 10' High, Add		0.60	
		For Horizontal Installation >10' High, Add		0.73	
		For Curved Wall, Add		0.38	
		For 12" On Center, Add		0.75	
		For 24" On Center, Deduct		-0.75	
		For Up To 200, Add		1.07	
		For >200 To 500, Add		0.54	
		For >2,000, Deduct		-0.35	
09 22 16 13-0018	SF	8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	.....	4.44	0.53
		For Walls >10' High, Add		0.89	
		For Soffit, Columns Or Beams Up To 10' High, Add		1.50	
		For Soffit, Columns Or Beams >10' High, Add		1.90	
		For Horizontal Installation Up To 10' High, Add		0.64	
		For Horizontal Installation >10' High, Add		0.77	
		For Curved Wall, Add		0.40	
		For 12" On Center, Add		0.82	
		For 24" On Center, Deduct		-0.82	
		For Up To 200, Add		1.15	
		For >200 To 500, Add		0.58	
		For >2,000, Deduct		-0.38	
09 22 16 13-0019	Non Load Bearing Wall Framing, 16 Gauge <small>(09 22 16 13)</small>				
09 22 16 13-0020	SF	2-1/2" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	.....	2.79	0.44
		For Walls >10' High, Add		0.56	
		For Soffit, Columns Or Beams Up To 10' High, Add		1.18	
		For Soffit, Columns Or Beams >10' High, Add		1.51	
		For Horizontal Installation Up To 10' High, Add		0.45	
		For Horizontal Installation >10' High, Add		0.56	
		For Curved Wall, Add		0.34	
		For 12" On Center, Add		0.50	
		For 24" On Center, Deduct		-0.50	
		For Up To 200, Add		0.78	
		For >200 To 500, Add		0.39	
		For >2,000, Deduct		-0.22	
09 22 16 13-0021	SF	3-5/8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	.....	3.28	0.47
		For Walls >10' High, Add		0.66	
		For Soffit, Columns Or Beams Up To 10' High, Add		1.26	
		For Soffit, Columns Or Beams >10' High, Add		1.62	
		For Horizontal Installation Up To 10' High, Add		0.50	
		For Horizontal Installation >10' High, Add		0.62	
		For Curved Wall, Add		0.35	
		For 12" On Center, Add		0.60	
		For 24" On Center, Deduct		-0.60	
		For Up To 200, Add		0.89	
		For >200 To 500, Add		0.45	
		For >2,000, Deduct		-0.27	



Finishes	09	
Plaster And Gypsum Board	09 20	9
Supports For Plaster And Gypsum Board	09 22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0022	SF		4" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	3.48	0.49
			<i>For Walls >10' High, Add</i>	0.70	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.33	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	1.70	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.53	
			<i>For Horizontal Installation >10' High, Add</i>	0.66	
			<i>For Curved Wall, Add</i>	0.37	
			<i>For 12" On Center, Add</i>	0.63	
			<i>For 24" On Center, Deduct</i>	-0.63	
			<i>For Up To 200, Add</i>	0.94	
			<i>For >200 To 500, Add</i>	0.47	
			<i>For >2,000, Deduct</i>	-0.29	
09 22 16 13-0023	SF		6" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	4.41	0.51
			<i>For Walls >10' High, Add</i>	0.88	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.48	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	1.87	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.64	
			<i>For Horizontal Installation >10' High, Add</i>	0.77	
			<i>For Curved Wall, Add</i>	0.39	
			<i>For 12" On Center, Add</i>	0.82	
			<i>For 24" On Center, Deduct</i>	-0.82	
			<i>For Up To 200, Add</i>	1.14	
			<i>For >200 To 500, Add</i>	0.57	
			<i>For >2,000, Deduct</i>	-0.38	
09 22 16 13-0024	SF		8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	4.86	0.54
			<i>For Walls >10' High, Add</i>	0.97	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.57	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	1.98	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.69	
			<i>For Horizontal Installation >10' High, Add</i>	0.83	
			<i>For Curved Wall, Add</i>	0.41	
			<i>For 12" On Center, Add</i>	0.90	
			<i>For 24" On Center, Deduct</i>	-0.90	
			<i>For Up To 200, Add</i>	1.24	
			<i>For >200 To 500, Add</i>	0.62	
			<i>For >2,000, Deduct</i>	-0.42	

09 22 16 13-0025 Galvanized Steel Backing Plates (09 22 16 13)

Note: Used to attach fixtures, cabinets, shelves or handrails to metal stud walls.

09 22 16 13-0026	LF		3" Wide, 25 Gauge Galvanized Steel Backing Plate.....	0.79	
09 22 16 13-0027	LF		4" Wide, 25 Gauge Galvanized Steel Backing Plate.....	0.95	
09 22 16 13-0028	LF		6" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.22	
09 22 16 13-0029	LF		8" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.50	
09 22 16 13-0030	LF		10" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.78	
09 22 16 13-0031	LF		12" Wide, 25 Gauge Galvanized Steel Backing Plate.....	2.12	
09 22 16 13-0032	LF		3" Wide, 20 Gauge Galvanized Steel Backing Plate.....	1.01	
09 22 16 13-0033	LF		4" Wide, 20 Gauge Galvanized Steel Backing Plate.....	1.24	
09 22 16 13-0034	LF		6" Wide, 20 Gauge Galvanized Steel Backing Plate.....	1.66	
09 22 16 13-0035	LF		8" Wide, 20 Gauge Galvanized Steel Backing Plate.....	2.07	
09 22 16 13-0036	LF		10" Wide, 20 Gauge Galvanized Steel Backing Plate.....	2.50	
09 22 16 13-0037	LF		12" Wide, 20 Gauge Galvanized Steel Backing Plate.....	2.97	
09 22 16 13-0038	LF		3" Wide, 16 Gauge Galvanized Steel Backing Plate.....	1.36	
09 22 16 13-0039	LF		4" Wide, 16 Gauge Galvanized Steel Backing Plate.....	1.70	
09 22 16 13-0040	LF		6" Wide, 16 Gauge Galvanized Steel Backing Plate.....	2.31	
09 22 16 13-0041	LF		8" Wide, 16 Gauge Galvanized Steel Backing Plate.....	2.92	
09 22 16 13-0042	LF		10" Wide, 16 Gauge Galvanized Steel Backing Plate.....	3.57	
09 22 16 13-0043	LF		12" Wide, 16 Gauge Galvanized Steel Backing Plate.....	4.21	
09 22 16 13-0044	LF		3" Wide, 14 Gauge Galvanized Steel Backing Plate.....	1.61	
09 22 16 13-0045	LF		4" Wide, 14 Gauge Galvanized Steel Backing Plate.....	2.02	
09 22 16 13-0046	LF		6" Wide, 14 Gauge Galvanized Steel Backing Plate.....	2.79	
09 22 16 13-0047	LF		8" Wide, 14 Gauge Galvanized Steel Backing Plate.....	3.56	
09 22 16 13-0048	LF		10" Wide, 14 Gauge Galvanized Steel Backing Plate.....	4.38	
09 22 16 13-0049	LF		12" Wide, 14 Gauge Galvanized Steel Backing Plate.....	5.18	

09 22 36 Lath (09 22)

09 22 36 13 Gypsum Lath (09 22 36)

09 22 36 13-0001 Plaster Base Gypsum Panels (09 22 36 13)

09 22 36 13-0002	SF		3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	0.79	0.26
			<i>For Walls >10' High, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.26	
			<i>For >100 To 500, Add</i>	0.13	
			<i>For >5,000, Deduct</i>	-0.05	
09 22 36 13-0003	SF		1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	1.10	0.30
			<i>For Walls >10' High, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.30	
			<i>For >100 To 500, Add</i>	0.15	
			<i>For >5,000, Deduct</i>	-0.06	

09 Finishes

09 20 Plaster And Gypsum Board

09 22 Supports For Plaster And Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0004	SF		5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	1.41	0.35
			<i>For Walls >10' High, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.35	
			<i>For >100 To 500, Add</i>	0.17	
			<i>For >5,000, Deduct</i>	-0.07	
09 22 36 13-0005	SF		3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	1.01	0.37
			<i>For Ceilings >10' High, Add</i>	0.11	
			<i>For Up To 100, Add</i>	0.37	
			<i>For >100 To 500, Add</i>	0.19	
			<i>For >5,000, Deduct</i>	-0.07	
09 22 36 13-0006	SF		1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	1.36	0.42
			<i>For Ceilings >10' High, Add</i>	0.13	
			<i>For Up To 100, Add</i>	0.43	
			<i>For >100 To 500, Add</i>	0.22	
			<i>For >5,000, Deduct</i>	-0.09	
09 22 36 13-0007	SF		5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	1.70	0.49
			<i>For Ceilings >10' High, Add</i>	0.15	
			<i>For Up To 100, Add</i>	0.49	
			<i>For >100 To 500, Add</i>	0.25	
			<i>For >5,000, Deduct</i>	-0.10	
09 22 36 13-0008	SF		3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	1.22	0.47
			<i>For Columns And Beams >10' High, Add</i>	0.14	
			<i>For Up To 100, Add</i>	0.48	
			<i>For >100 To 500, Add</i>	0.24	
			<i>For >5,000, Deduct</i>	-0.10	
09 22 36 13-0009	SF		1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	1.60	0.54
			<i>For Columns And Beams >10' High, Add</i>	0.17	
			<i>For Up To 100, Add</i>	0.55	
			<i>For >100 To 500, Add</i>	0.28	
			<i>For >5,000, Deduct</i>	-0.11	
09 22 36 13-0010	SF		5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	1.98	0.63
			<i>For Columns And Beams >10' High, Add</i>	0.19	
			<i>For Up To 100, Add</i>	0.63	
			<i>For >100 To 500, Add</i>	0.32	
			<i>For >5,000, Deduct</i>	-0.13	
09 22 36 13-0011			Firestop Plaster Base Gypsum Panels <small>(09 22 36 13)</small>		
09 22 36 13-0012	SF		3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel	1.12	0.26
			<i>For Walls >10' High, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.26	
			<i>For >100 To 500, Add</i>	0.13	
			<i>For >5,000, Deduct</i>	-0.05	
09 22 36 13-0013	SF		1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel	1.30	0.30
			<i>For Walls >10' High, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.30	
			<i>For >100 To 500, Add</i>	0.15	
			<i>For >5,000, Deduct</i>	-0.06	
09 22 36 13-0014	SF		3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	1.34	0.37
			<i>For Ceilings >10' High, Add</i>	0.11	
			<i>For Up To 100, Add</i>	0.37	
			<i>For >100 To 500, Add</i>	0.19	
			<i>For >5,000, Deduct</i>	-0.07	
09 22 36 13-0015	SF		1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	1.56	0.42
			<i>For Ceilings >10' High, Add</i>	0.13	
			<i>For Up To 100, Add</i>	0.43	
			<i>For >100 To 500, Add</i>	0.22	
			<i>For >5,000, Deduct</i>	-0.09	
09 22 36 13-0016	SF		3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel.....	1.55	0.47
			<i>For Columns And Beams >10' High, Add</i>	0.14	
			<i>For Up To 100, Add</i>	0.48	
			<i>For >100 To 500, Add</i>	0.24	
			<i>For >5,000, Deduct</i>	-0.10	
09 22 36 13-0017	SF		1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel.....	1.80	0.54
			<i>For Columns And Beams >10' High, Add</i>	0.17	
			<i>For Up To 100, Add</i>	0.55	
			<i>For >100 To 500, Add</i>	0.28	
			<i>For >5,000, Deduct</i>	-0.11	
09 22 36 13-0018			Foil Back Plaster Base Gypsum Panels <small>(09 22 36 13)</small>		
09 22 36 13-0019	SF		3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	1.12	0.26
			<i>For Walls >10' High, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.26	
			<i>For >100 To 500, Add</i>	0.13	
			<i>For >5,000, Deduct</i>	-0.05	
09 22 36 13-0020	SF		1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	1.30	0.30
			<i>For Walls >10' High, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.30	
			<i>For >100 To 500, Add</i>	0.15	
			<i>For >5,000, Deduct</i>	-0.06	
09 22 36 13-0021	SF		3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel.....	1.34	0.37
			<i>For Ceilings >10' High, Add</i>	0.11	
			<i>For Up To 100, Add</i>	0.37	
			<i>For >100 To 500, Add</i>	0.19	
			<i>For >5,000, Deduct</i>	-0.07	



Finishes	09	9
Plaster And Gypsum Board	09 20	
Supports For Plaster And Gypsum Board	09 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0022 SF 1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel.....	1.56	0.42
For Ceilings >10' High, Add	0.13	
For Up To 100, Add	0.43	
For >100 To 500, Add	0.22	
For >5,000, Deduct	-0.09	
09 22 36 13-0023 SF 3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel.....	1.55	0.47
For Columns And Beams >10' High, Add	0.14	
For Up To 100, Add	0.48	
For >100 To 500, Add	0.24	
For >5,000, Deduct	-0.10	
09 22 36 13-0024 SF 1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel.....	1.80	0.54
For Columns And Beams >10' High, Add	0.17	
For Up To 100, Add	0.55	
For >100 To 500, Add	0.28	
For >5,000, Deduct	-0.11	
09 22 36 23 Metal Lath (09 22 36)		
09 22 36 23-0001 Flat Diamond, Expanded Metal Lath (09 22 36 23)		
09 22 36 23-0002 SF 1.75 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.30	0.36
For Walls >10' High, Add	0.10	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.41	
For >100 To 500, Add	0.21	
For >5,000, Deduct	-0.08	
09 22 36 23-0003 SF 2.0 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.36	0.36
For Walls >10' High, Add	0.10	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.41	
For >100 To 500, Add	0.21	
For >5,000, Deduct	-0.08	
09 22 36 23-0004 SF 2.5 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.43	0.36
For Walls >10' High, Add	0.10	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.41	
For >100 To 500, Add	0.21	
For >5,000, Deduct	-0.08	
09 22 36 23-0005 SF 3.4 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.64	0.39
For Walls >10' High, Add	0.11	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.44	
For >100 To 500, Add	0.22	
For >5,000, Deduct	-0.09	
09 22 36 23-0006 SF 1.75 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	1.41	0.41
For Ceilings >10' High, Add	0.14	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.47	
For >100 To 500, Add	0.23	
For >5,000, Deduct	-0.09	
09 22 36 23-0007 SF 2.0 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	1.47	0.41
For Ceilings >10' High, Add	0.14	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.47	
For >100 To 500, Add	0.23	
For >5,000, Deduct	-0.09	
09 22 36 23-0008 SF 2.5 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	1.54	0.41
For Ceilings >10' High, Add	0.14	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.47	
For >100 To 500, Add	0.23	
For >5,000, Deduct	-0.09	
09 22 36 23-0009 SF 3.4 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	1.70	0.41
For Ceilings >10' High, Add	0.14	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.47	
For >100 To 500, Add	0.23	
For >5,000, Deduct	-0.09	
09 22 36 23-0010 SF 1.75 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	1.85	0.58
For Columns And Beams >10' High, Add	0.20	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.65	
For >100 To 500, Add	0.33	
For >5,000, Deduct	-0.13	
09 22 36 23-0011 SF 2.0 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	1.91	0.58
For Columns And Beams >10' High, Add	0.20	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.65	
For >100 To 500, Add	0.33	
For >5,000, Deduct	-0.13	
09 22 36 23-0012 SF 2.5 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	1.98	0.58
For Columns And Beams >10' High, Add	0.20	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.65	
For >100 To 500, Add	0.33	
For >5,000, Deduct	-0.13	

09 Finishes**09 20 Plaster And Gypsum Board****09 22 Supports For Plaster And Gypsum Board**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0013	SF		3.4 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	2.47	0.74
			<i>For Columns And Beams >10' High, Add</i>	0.24	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.82	
			<i>For >100 To 500, Add</i>	0.41	
			<i>For >5,000, Deduct</i>	-0.16	
09 22 36 23-0014			Self Furring, Flat Diamond, Expanded Metal Lath <small>(09 22 36 23)</small>		
09 22 36 23-0015	SF		1.75 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath	1.35	0.39
			<i>For Walls >10' High, Add</i>	0.11	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.44	
			<i>For >100 To 500, Add</i>	0.22	
			<i>For >5,000, Deduct</i>	-0.09	
09 22 36 23-0016	SF		2.0 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath	1.41	0.39
			<i>For Walls >10' High, Add</i>	0.11	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.44	
			<i>For >100 To 500, Add</i>	0.22	
			<i>For >5,000, Deduct</i>	-0.09	
09 22 36 23-0017	SF		2.5 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath	1.48	0.39
			<i>For Walls >10' High, Add</i>	0.11	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.44	
			<i>For >100 To 500, Add</i>	0.22	
			<i>For >5,000, Deduct</i>	-0.09	
09 22 36 23-0018	SF		3.4 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath	1.64	0.39
			<i>For Walls >10' High, Add</i>	0.11	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.44	
			<i>For >100 To 500, Add</i>	0.22	
			<i>For >5,000, Deduct</i>	-0.09	
09 22 36 23-0019	SF		1.75 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	2.18	0.74
			<i>For Columns And Beams >10' High, Add</i>	0.24	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.82	
			<i>For >100 To 500, Add</i>	0.41	
			<i>For >5,000, Deduct</i>	-0.16	
09 22 36 23-0020	SF		2.0 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	2.24	0.74
			<i>For Columns And Beams >10' High, Add</i>	0.24	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.82	
			<i>For >100 To 500, Add</i>	0.41	
			<i>For >5,000, Deduct</i>	-0.16	
09 22 36 23-0021	SF		2.5 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	2.31	0.74
			<i>For Columns And Beams >10' High, Add</i>	0.24	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.82	
			<i>For >100 To 500, Add</i>	0.41	
			<i>For >5,000, Deduct</i>	-0.16	
09 22 36 23-0022	SF		3.4 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	2.70	0.84
			<i>For Columns And Beams >10' High, Add</i>	0.28	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.93	
			<i>For >100 To 500, Add</i>	0.47	
			<i>For >5,000, Deduct</i>	-0.19	
09 22 36 23-0023			High Rib Metal Lath <small>(09 22 36 23)</small>		
09 22 36 23-0024	SF		2.75 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath	1.59	0.41
			<i>For Ceilings >10' High, Add</i>	0.14	
			<i>For Up To 100, Add</i>	0.47	
			<i>For >100 To 500, Add</i>	0.23	
			<i>For >5,000, Deduct</i>	-0.09	
09 22 36 23-0025	SF		3.4 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath	1.68	0.41
			<i>For Ceilings >10' High, Add</i>	0.14	
			<i>For Up To 100, Add</i>	0.47	
			<i>For >100 To 500, Add</i>	0.23	
			<i>For >5,000, Deduct</i>	-0.09	
09 22 36 23-0026	SF		3.4 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath	1.74	0.41
			<i>For Ceilings >10' High, Add</i>	0.14	
			<i>For Up To 100, Add</i>	0.47	
			<i>For >100 To 500, Add</i>	0.23	
			<i>For >5,000, Deduct</i>	-0.09	
09 22 36 23-0027	SF		4.0 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath	1.85	0.41
			<i>For Ceilings >10' High, Add</i>	0.14	
			<i>For Up To 100, Add</i>	0.47	
			<i>For >100 To 500, Add</i>	0.23	
			<i>For >5,000, Deduct</i>	-0.09	
09 22 36 33			Fiberglass Lath <small>(09 22 36)</small>		
09 22 36 33-0001			Non-Metallic, Fiberglass Lath <small>(09 22 36 33)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 33-0002 SF 1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath.....	1.74	0.41
<i>For Ceilings >10' High, Add</i>	0.14	
<i>For Up To 100, Add</i>	0.47	
<i>For >100 To 500, Add</i>	0.23	
<i>For >5,000, Deduct</i>	-0.09	
09 22 36 33-0003 SF 1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath.....	1.86	0.41
<i>For Ceilings >10' High, Add</i>	0.14	
<i>For Up To 100, Add</i>	0.47	
<i>For >100 To 500, Add</i>	0.23	
<i>For >5,000, Deduct</i>	-0.09	
09 22 36 33-0004 SF 1/8" Thick, Installed On Solid Surface, Fiberglass Non Metallic Lath.....	1.68	0.39
<i>For Walls >10' High, Add</i>	0.11	
<i>For Up To 100, Add</i>	0.44	
<i>For >100 To 500, Add</i>	0.22	
<i>For >5,000, Deduct</i>	-0.09	
09 22 36 33-0005 SF 1/4" Thick, Installed On Solid Surface, Fiberglass Non Metallic Lath.....	1.80	0.39
<i>For Walls >10' High, Add</i>	0.11	
<i>For Up To 100, Add</i>	0.44	
<i>For >100 To 500, Add</i>	0.22	
<i>For >5,000, Deduct</i>	-0.09	

09 23 Gypsum Plastering (09 20)

09 23 13 Acoustical Gypsum Plastering (09 23)

Note: All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for lath.

09 23 13 00-0001 Casing And Corner Beads (09 23 13)

09 23 13 00-0002 LF Galvanized Expanded Flange Casing Bead For Plaster Applications.....	2.42	0.58
09 23 13 00-0003 LF Zinc Expanded Flange Casing Bead For Plaster Applications.....	2.43	0.58
09 23 13 00-0004 LF Vinyl Expanded Flange Casing Bead For Plaster Applications.....	2.62	0.58
09 23 13 00-0005 LF Galvanized Corner Bead For Plaster Applications.....	2.32	0.58
09 23 13 00-0006 LF Vinyl Corner Bead For Plaster Applications.....	2.36	0.58

09 23 13 00-0007 Trim (09 23 13)

09 23 13 00-0008 LF Galvanized "J" Trim For Plaster Applications.....	2.51	0.58
<i>For Vinyl Instead Of Galvanized, Add</i>	0.13	
<i>For Zinc Instead Of Galvanized, Add</i>	0.84	
09 23 13 00-0009 LF Galvanized "L" Trim For Plaster Applications.....	2.51	0.58
<i>For Vinyl Instead Of Galvanized, Add</i>	0.13	
<i>For Zinc Instead Of Galvanized, Add</i>	0.84	
09 23 13 00-0010 LF Galvanized "U" Trim For Plaster Applications.....	2.51	0.58
<i>For Vinyl Instead Of Galvanized, Add</i>	0.13	
<i>For Zinc Instead Of Galvanized, Add</i>	0.84	

09 23 13 00-0011 Plaster Forms And Expansion Joints (09 23 13)

09 23 13 00-0012 SF 1" Architectural Foam Forms To Cover With Plaster.....	2.82	
09 23 13 00-0013 LF 3/4" Galvanized Expansion Joint For Plaster Applications.....	2.87	0.58

09 23 13 00-0014 One Skim Coat Gypsum Plaster On Walls (09 23 13)

09 23 13 00-0015 SF Skim Coat One Coat Gypsum Plaster On Walls.....	0.84	
<i>For Walls >10' High, Add</i>	0.06	
<i>For Horizontal Installation Up To 10' High, Add</i>	0.09	
<i>For Horizontal Installation >10' High, Add</i>	0.19	
<i>For Columns Or Beams Up To 10' High, Add</i>	0.19	
<i>For Columns Or Beams >10' High, Add</i>	0.29	
<i>For Up To 100, Add</i>	0.31	
<i>For >100 To 500, Add</i>	0.16	
<i>For >5,000, Deduct</i>	-0.12	
09 23 13 00-0016 SF For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls.....	0.61	
<i>For Walls >10' High, Add</i>	0.05	
<i>For Horizontal Installation Up To 10' High, Add</i>	0.07	
<i>For Horizontal Installation >10' High, Add</i>	0.14	
<i>For Columns Or Beams Up To 10' High, Add</i>	0.14	
<i>For Columns Or Beams >10' High, Add</i>	0.21	
<i>For Up To 100, Add</i>	0.23	
<i>For >100 To 500, Add</i>	0.11	
<i>For >5,000, Deduct</i>	-0.09	

09 23 13 00-0017 Two Coats Gypsum Plaster On Walls (09 23 13)

09 23 13 00-0018 SF Smooth Finish Two Coats Gypsum Plaster On Walls.....	3.79	2.06
<i>For Walls >10' High, Add</i>	0.34	
<i>For Horizontal Installation Up To 10' High, Add</i>	0.51	
<i>For Horizontal Installation >10' High, Add</i>	1.02	
<i>For Columns Or Beams Up To 10' High, Add</i>	1.05	
<i>For Columns Or Beams >10' High, Add</i>	1.56	
<i>For Up To 100, Add</i>	1.70	
<i>For >100 To 500, Add</i>	0.85	
<i>For >5,000, Deduct</i>	-0.68	

09 Finishes

09 20 Plaster And Gypsum Board

09 23 Gypsum Plastering



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0019	SF		Sand Aggregate Two Coats Gypsum Plaster On Walls	3.91	1.95
			For Walls >10' High, Add	0.32	
			For Horizontal Installation Up To 10' High, Add	0.48	
			For Horizontal Installation >10' High, Add	0.96	
			For Columns Or Beams Up To 10' High, Add	0.99	
			For Columns Or Beams >10' High, Add	1.47	
			For Up To 100, Add	1.60	
			For >100 To 500, Add	0.80	
			For >5,000, Deduct	-0.64	
09 23 13 00-0020	SF		Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls	4.23	1.95
			For Walls >10' High, Add	0.32	
			For Horizontal Installation Up To 10' High, Add	0.48	
			For Horizontal Installation >10' High, Add	0.96	
			For Columns Or Beams Up To 10' High, Add	0.99	
			For Columns Or Beams >10' High, Add	1.47	
			For Up To 100, Add	1.60	
			For >100 To 500, Add	0.80	
			For >5,000, Deduct	-0.64	
09 23 13 00-0021			Three Coats Gypsum Plaster On Walls (09 23 13)		
09 23 13 00-0022	SF		Smooth Finish Three Coats Gypsum Plaster On Walls	4.63	2.51
			For Walls >10' High, Add	0.41	
			For Horizontal Installation Up To 10' High, Add	0.61	
			For Horizontal Installation >10' High, Add	1.22	
			For Columns Or Beams Up To 10' High, Add	1.26	
			For Columns Or Beams >10' High, Add	1.87	
			For Up To 100, Add	2.03	
			For >100 To 500, Add	1.02	
			For >5,000, Deduct	-0.81	
09 23 13 00-0023	SF		Sand Aggregate Three Coats Gypsum Plaster On Walls	4.66	2.28
			For Walls >10' High, Add	0.38	
			For Horizontal Installation Up To 10' High, Add	0.56	
			For Horizontal Installation >10' High, Add	1.13	
			For Columns Or Beams Up To 10' High, Add	1.17	
			For Columns Or Beams >10' High, Add	1.73	
			For Up To 100, Add	1.88	
			For >100 To 500, Add	0.94	
			For >5,000, Deduct	-0.75	
09 23 13 00-0024	SF		Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls	4.41	2.28
			For Walls >10' High, Add	0.37	
			For Horizontal Installation Up To 10' High, Add	0.56	
			For Horizontal Installation >10' High, Add	1.12	
			For Columns Or Beams Up To 10' High, Add	1.16	
			For Columns Or Beams >10' High, Add	1.72	
			For Up To 100, Add	1.87	
			For >100 To 500, Add	0.94	
			For >5,000, Deduct	-0.75	
09 23 13 00-0025			Keene's Cement Plaster, Quick Setting, White Hard Plaster (09 23 13)		
			Note: Used for areas with higher than normal moisture.		
09 23 13 00-0026	SF		1 Coat Keene's Cement Plaster On Walls	2.89	1.39
			For Walls >10' High, Add	0.22	
			For Horizontal Installation Up To 10' High, Add	0.33	
			For Horizontal Installation >10' High, Add	0.67	
			For Columns Or Beams Up To 10' High, Add	0.69	
			For Columns Or Beams >10' High, Add	1.02	
			For Up To 100, Add	1.11	
			For >100 To 500, Add	0.56	
			For >5,000, Deduct	-0.44	
09 23 13 00-0027	SF		2 Coat Keene's Cement Plaster On Walls	4.37	2.17
			For Walls >10' High, Add	0.35	
			For Horizontal Installation Up To 10' High, Add	0.53	
			For Horizontal Installation >10' High, Add	1.06	
			For Columns Or Beams Up To 10' High, Add	1.09	
			For Columns Or Beams >10' High, Add	1.62	
			For Up To 100, Add	1.77	
			For >100 To 500, Add	0.88	
			For >5,000, Deduct	-0.71	
09 23 13 00-0028	SF		3 Coat Keene's Cement Plaster On Walls	4.94	2.44
			For Walls >10' High, Add	0.40	
			For Horizontal Installation Up To 10' High, Add	0.60	
			For Horizontal Installation >10' High, Add	1.20	
			For Columns Or Beams Up To 10' High, Add	1.24	
			For Columns Or Beams >10' High, Add	1.84	
			For Up To 100, Add	2.00	
			For >100 To 500, Add	1.00	
			For >5,000, Deduct	-0.80	
09 23 13 00-0029			Plaster Bonding Agent (09 23 13)		



Finishes	09	9
Plaster And Gypsum Board	09 20	
Gypsum Plastering	09 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 23 13 00-0030	SF	1 Coat, Brush/Roller Plaster Bonding Agent.....	0.42	
		<i>For Walls >10' High, Add</i>	0.03	
		<i>For Columns Or Beams Up To 10' High, Add</i>	0.10	
		<i>For Columns Or Beams >10' High, Add</i>	0.14	
		<i>For Ceiling Application Up To 10' High, Add</i>	0.04	
		<i>For Ceiling Application >10' High, Add</i>	0.07	

09 24 Cement Plastering (09 20)

09 24 23 Cement Stucco (09 24)

Note: Packaged product reinforced with fibers. All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.

09 24 23 00-0001 Stucco (09 24 23)

Note: Excludes wall scaffolding or lifting equipment.

09 24 23 00-0002	SF	Three Coat Troweled Stucco, Scratch/Brown/Finish	5.45	1.72
		Note: Excludes lath and felt. Interior or exterior, one side.		
		<i>For Walls >10' High, Add</i>	0.47	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.71	
		<i>For Horizontal Installation >10' High, Add</i>	1.42	
		<i>For Columns Or Beams Up To 10' High, Add</i>	1.46	
		<i>For Columns Or Beams >10' High, Add</i>	2.17	
		<i>For Color Added To Finish Coat, Add</i>	0.15	
		<i>For Smooth Float Finish, Add</i>	0.99	
		<i>For Up To 100, Add</i>	2.36	
		<i>For >100 To 500, Add</i>	1.18	
		<i>For >5,000, Deduct</i>	-0.94	
09 24 23 00-0003	SF	Two Coat Troweled Stucco, Scratch/Brown.....	2.36	0.83
		Note: Excludes lath and felt. Interior or exterior, one side.		
		<i>For Walls >10' High, Add</i>	0.17	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.26	
		<i>For Horizontal Installation >10' High, Add</i>	0.52	
		<i>For Columns Or Beams Up To 10' High, Add</i>	0.53	
		<i>For Columns Or Beams >10' High, Add</i>	0.79	
		<i>For Up To 100, Add</i>	0.86	
		<i>For >100 To 500, Add</i>	0.43	
		<i>For >5,000, Deduct</i>	-0.34	
09 24 23 00-0004	SF	Two Coat Troweled Stucco, Scratch/Finish	3.59	0.83
		Note: Excludes lath and felt. Interior or exterior, one side.		
		<i>For Walls >10' High, Add</i>	0.31	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.46	
		<i>For Horizontal Installation >10' High, Add</i>	0.92	
		<i>For Columns Or Beams Up To 10' High, Add</i>	0.95	
		<i>For Columns Or Beams >10' High, Add</i>	1.41	
		<i>For Color Added To Finish Coat, Add</i>	0.15	
		<i>For Smooth Float Finish, Add</i>	0.84	
		<i>For Up To 100, Add</i>	1.53	
		<i>For >100 To 500, Add</i>	0.77	
		<i>For >5,000, Deduct</i>	-0.61	
09 24 23 00-0005	SF	Finish Coat Troweled Stucco	2.31	0.56
		Note: Excludes lath and felt. Interior or exterior, one side.		
		<i>For Walls >10' High, Add</i>	0.22	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.33	
		<i>For Horizontal Installation >10' High, Add</i>	0.67	
		<i>For Columns Or Beams Up To 10' High, Add</i>	0.69	
		<i>For Columns Or Beams >10' High, Add</i>	1.02	
		<i>For Color Added To Finish Coat, Add</i>	0.15	
		<i>For Smooth Float Finish, Add</i>	0.84	
		<i>For Up To 100, Add</i>	1.11	
		<i>For >100 To 500, Add</i>	0.56	
		<i>For >5,000, Deduct</i>	-0.44	

09 24 33 Cement Parging (09 24)

09 24 33 00-0001 Cement Parging (09 24 33)

09 24 33 00-0002	SF	1/8" Thick Sand And Cement Parging	2.38	
09 24 33 00-0003	SF	1/4" Thick Sand And Cement Parging	3.04	
09 24 33 00-0004	SF	1/2" Thick Sand And Cement Parging	3.79	

09 28 Backing Boards And Underlayments (09 20)

09 28 13 Cementitious Backing Boards (09 28)

09 28 13 00-0001 Cementitious Backer Units (09 28 13)

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 13 00-0002	SF	1/4" Cementitious Backer Units For Installation On Floors	2.21	0.36
		<i>For Up To 50, Add</i>	1.65	
		<i>For >50 To 250, Add</i>	0.29	
		<i>For >1,000, Deduct</i>	-0.15	
		<i>For Installation On Wall, Add</i>	0.29	
		<i>For Installation On Ceiling, Add</i>	0.73	

09 Finishes

09 20 Plaster And Gypsum Board

09 28 Backing Boards And Underlayments



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 28 13 00-0003	SF		1/2" Cementitious Backer Units For Installation On Floors	2.53	0.43
			<i>For Up To 50, Add</i>	1.95	
			<i>For >50 To 250, Add</i>	0.35	
			<i>For >1,000, Deduct</i>	-0.18	
			<i>For Installation On Wall, Add</i>	0.35	
			<i>For Installation On Ceiling, Add</i>	0.88	
09 28 13 00-0004	SF		5/8" Cementitious Backer Units For Installation On Floors	3.14	0.51
			<i>For Up To 50, Add</i>	2.32	
			<i>For >50 To 250, Add</i>	0.41	
			<i>For >1,000, Deduct</i>	-0.21	
			<i>For Installation On Wall, Add</i>	0.41	
			<i>For Installation On Ceiling, Add</i>	1.03	

09 28 16 Glass-Mat Faced Gypsum Backing Boards (09 28)

09 28 16 00-0001 Glass Mat Faced Backer Units, DensShield (09 28 16)

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 16 00-0002	SF		1/2" DensShield Tile Backer For Installation On Floors	1.77	0.41
			<i>For Up To 50, Add</i>	1.23	
			<i>For >50 To 250, Add</i>	0.21	
			<i>For >1,000, Deduct</i>	-0.11	
			<i>For Installation On Wall, Add</i>	0.21	
			<i>For Installation On Ceiling, Add</i>	0.53	
09 28 16 00-0003	SF		5/8" DensShield Tile Backer For Installation On Floors	2.52	0.46
			<i>For Up To 50, Add</i>	1.51	
			<i>For >50 To 250, Add</i>	0.23	
			<i>For >1,000, Deduct</i>	-0.12	
			<i>For Installation On Wall, Add</i>	0.23	
			<i>For Installation On Ceiling, Add</i>	0.59	

09 29 Gypsum Board (09 29)

09 29 00 00-0001 Standard Gypsum Board Application (09 29)

Note: Price includes gypsum board screwed on one face only, without finishing. Installed on walls, ceilings, beams, columns, soffits, recesses and chases, flat or curved surfaces. See CSI section 09 29 00 00-0051 for finishing gypsum board, 09 29 00 00-0069 for casing and corner bead, 09 91 43 00-0011 for small repairs.

09 29 00 00-0002 Standard Gypsum Board Application (09 29 00 00-0001)

09 29 00 00-0003	SF		1/4" Gypsum Board.....	0.79	0.23
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.11	
			<i>For Times When The Shortest Distance From Corner To Corner Is <3', Add</i>	0.23	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.08	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.16	
			<i>For Horizontal Installation >10' High, Add</i>	0.23	
			<i>For Walls >10' High, Add</i>	0.04	
			<i>For Up To 128, Add</i>	0.25	
			<i>For >128 To 320, Add</i>	0.15	
			<i>For >1,600, Deduct</i>	-0.06	
09 29 00 00-0004	SF		1/2" Gypsum Board.....	0.94	0.30
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.14	
			<i>For Times When The Shortest Distance From Corner To Corner Is <3', Add</i>	0.31	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.09	
			<i>For Foil Back Board, Add</i>	0.10	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.21	
			<i>For Horizontal Installation >10' High, Add</i>	0.31	
			<i>For Walls >10' High, Add</i>	0.05	
			<i>For Up To 128, Add</i>	0.31	
			<i>For >128 To 320, Add</i>	0.19	
			<i>For >1,600, Deduct</i>	-0.06	
09 29 00 00-0005	SF		5/8" Gypsum Board.....	1.12	0.34
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.17	
			<i>For Times When The Shortest Distance From Corner To Corner Is <3', Add</i>	0.35	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.10	
			<i>For Foil Back Board, Add</i>	0.10	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.24	
			<i>For Horizontal Installation >10' High, Add</i>	0.35	
			<i>For Walls >10' High, Add</i>	0.06	
			<i>For Up To 128, Add</i>	0.36	
			<i>For >128 To 320, Add</i>	0.22	
			<i>For >1,600, Deduct</i>	-0.08	
09 29 00 00-0006	SF		1/4" Gypsum Board, Two Layers	1.51	0.42
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.20	
			<i>For Times When The Shortest Distance From Corner To Corner Is <3', Add</i>	0.42	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.10	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.29	
			<i>For Horizontal Installation >10' High, Add</i>	0.42	
			<i>For Walls >10' High, Add</i>	0.07	
			<i>For Up To 128, Add</i>	0.47	
			<i>For >128 To 320, Add</i>	0.28	
			<i>For >1,600, Deduct</i>	-0.11	



Finishes	09	9
Plaster And Gypsum Board	09 20	
Gypsum Board	09 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0007 SF 1/2" Gypsum Board, Two Layers	1.76	0.54
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.26	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.55	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.11	
For Horizontal Installation Up To 10' High, Add	0.37	
For Horizontal Installation >10' High, Add	0.55	
For Walls >10' High, Add	0.09	
For Up To 128, Add	0.57	
For >128 To 320, Add	0.34	
For >1,600, Deduct	-0.12	
09 29 00 00-0008 SF 5/8" Gypsum Board, Two Layers	2.08	0.63
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.30	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.63	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.12	
For Horizontal Installation Up To 10' High, Add	0.43	
For Horizontal Installation >10' High, Add	0.63	
For Walls >10' High, Add	0.10	
For Up To 128, Add	0.67	
For >128 To 320, Add	0.40	
For >1,600, Deduct	-0.15	
09 29 00 00-0009 Fire Rated Gypsum Board Application (09 29 00 00-0001)		
09 29 00 00-0010 Type X, Fire Rated Gypsum Board (09 29 00 00-0009)		
09 29 00 00-0011 SF 5/8" Type X Fire Rated Gypsum Board.....	1.18	0.34
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.18	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.39	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.10	
For Foil Back Board, Add	0.10	
For Horizontal Installation Up To 10' High, Add	0.26	
For Horizontal Installation >10' High, Add	0.39	
For Walls >10' High, Add	0.06	
For Up To 128, Add	0.39	
For >128 To 320, Add	0.23	
For >1,600, Deduct	-0.08	
09 29 00 00-0012 SF 5/8" Type X Fire Rated Gypsum Board, Two Layers	2.18	0.34
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.32	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.69	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.13	
For Horizontal Installation Up To 10' High, Add	0.47	
For Horizontal Installation >10' High, Add	0.69	
For Walls >10' High, Add	0.11	
For Up To 128, Add	0.71	
For >128 To 320, Add	0.42	
For >1,600, Deduct	-0.15	
09 29 00 00-0013 Type C, Fire Rated Gypsum Board (09 29 00 00-0009)		
09 29 00 00-0014 SF 1/2" Type C Fire Rated Gypsum Board	1.10	0.30
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.16	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.34	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.09	
For Foil Back Board, Add	0.10	
For Horizontal Installation Up To 10' High, Add	0.23	
For Horizontal Installation >10' High, Add	0.34	
For Walls >10' High, Add	0.05	
For Up To 128, Add	0.35	
For >128 To 320, Add	0.21	
For >1,600, Deduct	-0.08	
09 29 00 00-0015 SF 5/8" Type C Fire Rated Gypsum Board	1.22	0.34
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.18	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.39	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.10	
For Foil Back Board, Add	0.10	
For Horizontal Installation Up To 10' High, Add	0.26	
For Horizontal Installation >10' High, Add	0.39	
For Walls >10' High, Add	0.06	
For Up To 128, Add	0.40	
For >128 To 320, Add	0.24	
For >1,600, Deduct	-0.08	
09 29 00 00-0016 SF 1/2" Type C Fire Rated Gypsum Board, Two Layers	2.05	0.30
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.28	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.60	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.12	
For Horizontal Installation Up To 10' High, Add	0.41	
For Horizontal Installation >10' High, Add	0.60	
For Walls >10' High, Add	0.10	
For Up To 128, Add	0.65	
For >128 To 320, Add	0.39	
For >1,600, Deduct	-0.15	

09 Finishes

09 20 Plaster And Gypsum Board

09 29 Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0017	SF		5/8" Type C Fire Rated Gypsum Board, Two Layers..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,600, Deduct</i>	2.28 0.32 0.69 0.13 0.47 0.69 0.11 0.73 0.43 -0.16	0.34
09 29 00 00-0018			Fire Rated Gypsum Board (Sheetrock® Ultracode®) (09 29 00 00-0009)		
09 29 00 00-0019	SF		3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®)..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,600, Deduct</i>	1.81 0.19 0.39 0.10 0.26 0.39 0.06 0.52 0.30 -0.14	0.34
09 29 00 00-0020	SF		3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®), Two Layers <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,600, Deduct</i>	3.44 0.34 0.69 0.13 0.47 0.69 0.11 0.96 0.55 -0.28	0.34
09 29 00 00-0021			Moisture Resistant Gypsum Board Application (09 29 00 00-0001) Note: Water-resistant gypsum core.		
09 29 00 00-0022	SF		1/2" Moisture Resistant Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,600, Deduct</i>	1.05 0.14 0.31 0.09 0.21 0.31 0.05 0.33 0.20 -0.07	0.30
09 29 00 00-0023	SF		5/8" Moisture Resistant Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,600, Deduct</i>	1.40 0.17 0.35 0.10 0.24 0.35 0.06 0.42 0.25 -0.11	0.30
09 29 00 00-0024			Vinyl Faced Gypsum Board Application (09 29 00 00-0001) Note: All prefinished vinyl faced panels include, screws, edge grip clips and adhesive.		
09 29 00 00-0025	SF		1/2" Prefinished, Vinyl Faced Gypsum Board <i>For Walls >10' High, Add</i> <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,600, Deduct</i>	2.26 0.06 0.16 0.31 0.09 0.21 0.31 0.05 0.57 0.32 -0.20	0.30
09 29 00 00-0026	SF		5/8" Prefinished, Vinyl Faced Gypsum Board <i>For Walls >10' High, Add</i> <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,600, Deduct</i>	2.35 0.07 0.18 0.35 0.10 0.24 0.35 0.06 0.61 0.34 -0.20	0.34



Finishes	09	
Plaster And Gypsum Board	09 20	9
Gypsum Board	09 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0027 SF 1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board	2.64	0.30
For Walls >10' High, Add	0.07	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.17	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.34	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.09	
For Horizontal Installation Up To 10' High, Add	0.23	
For Horizontal Installation >10' High, Add	0.34	
For Walls >10' High, Add	0.05	
For Up To 128, Add	0.66	
For >128 To 320, Add	0.36	
For >1,600, Deduct	-0.23	
09 29 00 00-0028 SF 5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board	4.19	0.34
For Walls >10' High, Add	0.08	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.21	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.39	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.10	
For Horizontal Installation Up To 10' High, Add	0.26	
For Horizontal Installation >10' High, Add	0.39	
For Walls >10' High, Add	0.06	
For Up To 128, Add	0.99	
For >128 To 320, Add	0.53	
For >1,600, Deduct	-0.38	
09 29 00 00-0029 Moisture And Mold Resistant Gypsum Board Application (09 29 00 00-0001)		
09 29 00 00-0030 SF 1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board	1.27	0.29
For Walls >10' High, Add	0.06	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.15	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.31	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.09	
For Non-reinforced Board, Deduct	-0.08	
For Horizontal Installation Up To 10' High, Add	0.21	
For Horizontal Installation >10' High, Add	0.31	
For Walls >10' High, Add	0.05	
For Up To 128, Add	0.38	
For >128 To 320, Add	0.22	
For >1,600, Deduct	-0.10	
09 29 00 00-0031 SF 5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board	1.52	0.33
For Walls >10' High, Add	0.07	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.17	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.35	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.10	
For Non-reinforced Board, Deduct	-0.08	
For Horizontal Installation Up To 10' High, Add	0.24	
For Horizontal Installation >10' High, Add	0.35	
For Walls >10' High, Add	0.06	
For Up To 128, Add	0.44	
For >128 To 320, Add	0.26	
For >1,600, Deduct	-0.12	
09 29 00 00-0032 SF 1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board	1.53	0.29
For Walls >10' High, Add	0.07	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.16	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.34	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.09	
For Horizontal Installation Up To 10' High, Add	0.23	
For Horizontal Installation >10' High, Add	0.34	
For Walls >10' High, Add	0.05	
For Up To 128, Add	0.44	
For >128 To 320, Add	0.25	
For >1,600, Deduct	-0.12	
09 29 00 00-0033 SF 5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board	1.71	0.33
For Walls >10' High, Add	0.08	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.19	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.39	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.10	
For Horizontal Installation Up To 10' High, Add	0.26	
For Horizontal Installation >10' High, Add	0.39	
For Walls >10' High, Add	0.06	
For Up To 128, Add	0.50	
For >128 To 320, Add	0.29	
For >1,600, Deduct	-0.13	
09 29 00 00-0034 Hi-Impact Gypsum Board (09 29 00 00-0001)		
Note: Abrasion, impact and penetration resistant.		
09 29 00 00-0035 SF 0.01" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board	2.03	0.33
For Walls >10' High, Add	0.07	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.17	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.35	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.09	
For Horizontal Installation Up To 10' High, Add	0.23	
For Horizontal Installation >10' High, Add	0.35	
For Walls >10' High, Add	0.06	
For Up To 128, Add	0.54	
For >128 To 320, Add	0.31	
For >1,600, Deduct	-0.17	

09 Finishes
09 20 Plaster And Gypsum Board
09 29 Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0036	SF		0.02" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board.....	2.42	0.33
			<i>For Walls >10' High, Add</i>	0.07	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.18	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.35	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.09	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.23	
			<i>For Horizontal Installation >10' High, Add</i>	0.35	
			<i>For Walls >10' High, Add</i>	0.06	
			<i>For Up To 128, Add</i>	0.62	
			<i>For >128 To 320, Add</i>	0.35	
			<i>For >1,600, Deduct</i>	-0.21	
09 29 00 00-0037	SF		0.03" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board.....	2.82	0.33
			<i>For Walls >10' High, Add</i>	0.07	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.18	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.35	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.09	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.23	
			<i>For Horizontal Installation >10' High, Add</i>	0.35	
			<i>For Walls >10' High, Add</i>	0.06	
			<i>For Up To 128, Add</i>	0.70	
			<i>For >128 To 320, Add</i>	0.39	
			<i>For >1,600, Deduct</i>	-0.25	
09 29 00 00-0038	SF		0.08" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board.....	5.18	0.33
			<i>For Walls >10' High, Add</i>	0.07	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.20	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.35	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.09	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.23	
			<i>For Horizontal Installation >10' High, Add</i>	0.35	
			<i>For Walls >10' High, Add</i>	0.06	
			<i>For Up To 128, Add</i>	1.17	
			<i>For >128 To 320, Add</i>	0.62	
			<i>For >1,600, Deduct</i>	-0.48	
09 29 00 00-0039			Hi-Abuse Gypsum Board (09 29 00 00-0001)		
			Note: Surface indentation, impact, abrasion and moisture/mold/mildew resistant.		
09 29 00 00-0040	SF		5/8" Fire Rated, Hi-Abuse Gypsum Board	1.56	0.33
			<i>For Walls >10' High, Add</i>	0.07	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.17	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.35	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.09	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.23	
			<i>For Horizontal Installation >10' High, Add</i>	0.35	
			<i>For Walls >10' High, Add</i>	0.06	
			<i>For Up To 128, Add</i>	0.45	
			<i>For >128 To 320, Add</i>	0.26	
			<i>For >1,600, Deduct</i>	-0.12	
09 29 00 00-0041			Soundproof Gypsum Board (09 29 00 00-0001)		
			Note: Minimum STC rating for 1/2" board is 49 and 5/8" board is 51.		
09 29 00 00-0042	SF		1/2" Soundproof Gypsum Board	3.26	0.35
			<i>For Walls >10' High, Add</i>	0.07	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.19	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.36	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.10	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.24	
			<i>For Horizontal Installation >10' High, Add</i>	0.36	
			<i>For Walls >10' High, Add</i>	0.06	
			<i>For Up To 128, Add</i>	0.79	
			<i>For >128 To 320, Add</i>	0.43	
			<i>For >1,600, Deduct</i>	-0.29	
09 29 00 00-0043	SF		5/8" Soundproof Gypsum Board	4.04	0.35
			<i>For Walls >10' High, Add</i>	0.07	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.20	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.36	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.10	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.24	
			<i>For Horizontal Installation >10' High, Add</i>	0.36	
			<i>For Walls >10' High, Add</i>	0.06	
			<i>For Up To 128, Add</i>	0.95	
			<i>For >128 To 320, Add</i>	0.51	
			<i>For >1,600, Deduct</i>	-0.37	
09 29 00 00-0044			Shaft Wall (09 29)		
			See CSI section 09 29 00 00-0051 for finishing drywall.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0045 SF 3/4" Fire Rated Shaft Wall Assembly..... Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure. <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,600, Deduct</i>	4.02 1.47 1.00 1.47 0.23 1.39 0.84 -0.26	1.46
09 29 00 00-0046 SF 7/8" Fire Rated Shaft Wall Assembly..... Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure. <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,600, Deduct</i>	4.63 1.76 1.19 1.76 0.28 1.63 0.99 -0.29	1.76
09 29 00 00-0047 SF 2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly..... Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing. <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For Glass Mat Surfaces, Add</i>	4.24 1.13 0.77 1.13 0.18 1.30 0.76 0.24	1.13
09 29 00 00-0048 SF 4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly..... Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing. <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For Glass Mat Surfaces, Add</i>	4.52 1.18 0.80 1.18 0.19 1.38 0.81 0.24	1.18
09 29 00 00-0049 SF 2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly..... Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing. <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For Glass Mat Surfaces, Add</i>	4.94 1.18 0.80 1.18 0.19 1.46 0.85 0.24	1.18
09 29 00 00-0050 SF 4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly..... Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing. <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For Glass Mat Surfaces, Add</i>	5.23 1.24 0.84 1.24 0.20 1.54 0.90 0.24	1.24

09 29 00 00-0051

Finishing Gypsum Board Applications (09 29)

Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.

09 29 00 00-0052

Finish Gypsum Board Walls, ASTM C840 Level 4 (09 29 00 00-0051)

09 29 00 00-0053 SF Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board.....	0.41
<i>For Up To 128, Add</i>	0.15
<i>For >128 To 320, Add</i>	0.09
<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.19
<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.09
<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.04
<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.30

09 Finishes
09 20 Plaster And Gypsum Board
09 29 Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0054	SF		>10' High, Walls, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high. For Up To 128, Add For >128 To 320, Add For ASTM C840 Level 1 Finish, Deduct For ASTM C840 Level 2 Finish, Deduct For ASTM C840 Level 3 Finish, Deduct For ASTM C840 Level 5 High Quality Finish, Add	0.54 0.20 0.13 -0.25 -0.13 -0.05 0.40	
09 29 00 00-0055			Finish Gypsum Board Ceilings, ASTM C840 Level 4 (09 29 00 00-0051)		
09 29 00 00-0056	SF		Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board..... Note: Use this task for the entire wall area when the wall is >10' high. For Up To 128, Add For >128 To 320, Add For ASTM C840 Level 1 Finish, Deduct For ASTM C840 Level 2 Finish, Deduct For ASTM C840 Level 3 Finish, Deduct For ASTM C840 Level 5 High Quality Finish, Add	0.53 0.20 0.12 -0.25 -0.12 -0.05 0.39	
09 29 00 00-0057	SF		>10' High, Ceilings, Tape, Spackle And Finish Gypsum Board..... Note: Use this task for the entire wall area when the wall is >10' high. For Up To 128, Add For >128 To 320, Add For ASTM C840 Level 1 Finish, Deduct For ASTM C840 Level 2 Finish, Deduct For ASTM C840 Level 3 Finish, Deduct For ASTM C840 Level 5 High Quality Finish, Add	0.71 0.27 0.17 -0.34 -0.17 -0.07 0.52	
09 29 00 00-0058			Finish Gypsum Board Vertical Corners, ASTM C840 Level 4 (09 29 00 00-0051)		
09 29 00 00-0059	LF		Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board Note: Inside or outside gypsum board corners. For ASTM C840 Level 1 Finish, Deduct For ASTM C840 Level 2 Finish, Deduct For ASTM C840 Level 3 Finish, Deduct For ASTM C840 Level 5 High Quality Finish, Add	0.85 -0.38 -0.19 -0.08 0.62	
09 29 00 00-0060	LF		>10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board..... Note: Use this task for the entire wall area when the wall is >10' high. For ASTM C840 Level 1 Finish, Deduct For ASTM C840 Level 2 Finish, Deduct For ASTM C840 Level 3 Finish, Deduct For ASTM C840 Level 5 High Quality Finish, Add	1.00 -0.46 -0.23 -0.09 0.73	
09 29 00 00-0061			Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4 (09 29 00 00-0051)		
09 29 00 00-0062	LF		Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board..... Note: Inside or outside gypsum board corners. For ASTM C840 Level 1 Finish, Deduct For ASTM C840 Level 2 Finish, Deduct For ASTM C840 Level 3 Finish, Deduct For ASTM C840 Level 5 High Quality Finish, Add	0.97 -0.44 -0.22 -0.09 0.71	
09 29 00 00-0063	LF		>10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high. For ASTM C840 Level 1 Finish, Deduct For ASTM C840 Level 2 Finish, Deduct For ASTM C840 Level 3 Finish, Deduct For ASTM C840 Level 5 High Quality Finish, Add	1.15 -0.53 -0.27 -0.11 0.84	
09 29 00 00-0064			Textured Finishes For Gypsum Board (09 29 00 00-0051)		
09 29 00 00-0065	SF		"Popcorn" Spray Applied, Finish On Existing Gypsum Board Ceiling.....	0.29	
09 29 00 00-0066	SF		Textured Finish On Existing Gypsum Board Ceiling..... Note: For non spray applied textures.	0.52	
09 29 00 00-0067	SF		Spray Applied Orange Peel Finish On Existing Gypsum Board Wall.....	0.25	
09 29 00 00-0068	SF		Spray Applied Knockdown Or Skip Trowel Finish On Existing Gypsum Board Wall.....	0.33	
09 29 00 00-0069			Casing And Corner Beads (09 29)		
09 29 00 00-0070	LF		Casing, Galvanized Steel J-Bead For Gypsum Board For >400, Deduct	2.17 -0.13	0.58
09 29 00 00-0071	LF		Corner Bead, Galvanized Steel For Gypsum Board For >400, Deduct	2.09 -0.12	0.58
09 29 00 00-0072			Architectural Forms (09 29)		
09 29 00 00-0073	SF		1" Architectural Foam Forms For Gypsum Board Cover.....	2.68	
09 29 00 00-0074			Preformed Architectural Profiles (09 29)		
09 29 00 00-0075			Trim Reveals For Gypsum Board (09 29 00 00-0074)		
09 29 00 00-0076	LF		1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.23	0.71
09 29 00 00-0077	LF		1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.24	0.71
09 29 00 00-0078	LF		3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.29	0.71
09 29 00 00-0079	LF		1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.32	0.71



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0080	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.38	0.71
09 29 00 00-0081	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.45	0.71
09 29 00 00-0082	LF	1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.51	0.71
09 29 00 00-0083	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.72	0.71
09 29 00 00-0084	LF	2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.92	0.71
09 29 00 00-0085	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.32	0.76
09 29 00 00-0086	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.32	0.76
09 29 00 00-0087	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.46	0.76
09 29 00 00-0088	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.49	0.76
09 29 00 00-0089	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.58	0.76
09 29 00 00-0090	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.62	0.76
09 29 00 00-0091	LF	1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.67	0.76
09 29 00 00-0092	LF	1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.90	0.76
09 29 00 00-0093	LF	2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.13	0.76
09 29 00 00-0094	LF	3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.16	0.88
09 29 00 00-0095	LF	4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.54	0.88
09 29 00 00-0096		Edge Trim For Gypsum Board (09 29 00 00-0074)		
09 29 00 00-0097	LF	1/2" Aluminum Extrusions, Edge Trim For Gypsum Board.....	2.12	0.73
09 29 00 00-0098	LF	5/8" Aluminum Extrusions, Edge Trim For Gypsum Board.....	2.23	0.73
09 29 00 00-0099	LF	1" Aluminum Extrusions, Edge Trim For Gypsum Board.....	2.56	0.81
09 29 00 00-0100	LF	1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board.....	2.70	0.88
09 29 00 00-0101	LF	1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	3.40	0.73
09 29 00 00-0102	LF	5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	3.50	0.73
09 29 00 00-0103	LF	1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	3.84	0.81
09 29 00 00-0104	LF	1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	3.98	0.88
09 29 00 00-0105		Bevel Trim For Gypsum Board (09 29 00 00-0074)		
09 29 00 00-0106	LF	5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	2.23	0.73
09 29 00 00-0107	LF	5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	2.53	0.81
09 29 00 00-0108		Trim/Wainscot Caps For Gypsum Board (09 29 00 00-0074)		
09 29 00 00-0109	LF	1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board.....	2.92	0.88
09 29 00 00-0110		Single Fin Wall/Trim Reveals For Gypsum Board (09 29 00 00-0074)		
09 29 00 00-0111	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	1.94	0.46
09 29 00 00-0112	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.02	0.52
09 29 00 00-0113	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.34	0.58
09 29 00 00-0114	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.50	0.65
09 29 00 00-0115	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.64	0.71
09 29 00 00-0116	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.68	0.71
09 29 00 00-0117	LF	1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.79	0.71
09 29 00 00-0118	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.01	0.71
09 29 00 00-0119	LF	2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.09	0.71
09 29 00 00-0120	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.58	0.76
09 29 00 00-0121	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.61	0.76
09 29 00 00-0122	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.75	0.76
09 29 00 00-0123	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.81	0.76
09 29 00 00-0124	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.86	0.76
09 29 00 00-0125	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.92	0.76
09 29 00 00-0126	LF	1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.01	0.76
09 29 00 00-0127	LF	1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.24	0.76
09 29 00 00-0128	LF	2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.44	0.76
09 29 00 00-0129	LF	3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.05	0.76
09 29 00 00-0130	LF	4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.22	0.76
09 29 00 00-0131	LF	3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	3.82	0.76
09 29 00 00-0132	LF	3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	3.92	0.76
09 29 00 00-0133	LF	4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	4.27	0.76
09 29 00 00-0134	LF	4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	4.30	0.76
09 29 00 00-0135	LF	9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board.....	4.80	0.76
09 29 00 00-0136	LF	5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board.....	4.06	0.76
09 29 00 00-0137		'V' Groove Wall Reveals For Gypsum Board (09 29 00 00-0074)		
09 29 00 00-0138	LF	1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	3.30	1.05
09 29 00 00-0139	LF	3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	3.80	1.17
09 29 00 00-0140	LF	1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	4.34	1.40
09 29 00 00-0141	LF	9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	4.51	1.52
09 29 00 00-0142		Double Fin Wall Reveals For Gypsum Board (09 29 00 00-0074)		
09 29 00 00-0143	LF	3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	2.84	0.71
09 29 00 00-0144	LF	1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	2.87	0.71
09 29 00 00-0145	LF	1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	2.89	0.71
09 29 00 00-0146	LF	3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	2.89	0.71
09 29 00 00-0147	LF	1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.01	0.71

09 Finishes**09 20 Plaster And Gypsum Board****09 29 Gypsum Board**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0148	LF		5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.06	0.70
09 29 00 00-0149	LF		3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.11	0.71
09 29 00 00-0150	LF		1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.23	0.71
09 29 00 00-0151	LF		1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.42	0.71
09 29 00 00-0152	LF		2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.62	0.71
09 29 00 00-0153	LF		3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.03	0.76
09 29 00 00-0154	LF		1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.05	0.76
09 29 00 00-0155	LF		3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.10	0.76
09 29 00 00-0156	LF		1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.22	0.76
09 29 00 00-0157	LF		5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.27	0.76
09 29 00 00-0158	LF		3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.31	0.76
09 29 00 00-0159	LF		1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.44	0.76
09 29 00 00-0160	LF		1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.64	0.76
09 29 00 00-0161	LF		2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.84	0.76
09 29 00 00-0162	LF		3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	4.39	0.76
09 29 00 00-0163	LF		4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.54	0.76
09 29 00 00-0164	LF		1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.11	0.83
09 29 00 00-0165	LF		3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.87	1.02
09 29 00 00-0166	LF		1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.04	1.02
09 29 00 00-0167	LF		1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board.....	4.59	0.70
09 29 00 00-0168	LF		1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board.....	4.58	1.02
09 29 00 00-0169	LF		1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board.....	3.26	0.70
09 29 00 00-0170			Special Conditions Reveals For Gypsum Board <small>(09 29 00 00-0074)</small>		
09 29 00 00-0171			Radius Conditions <small>(09 29 00 00-0170)</small>		
09 29 00 00-0172	EA		8' Long Inside Radius For Gypsum Board..... Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	31.92	
09 29 00 00-0173	EA		8' Long Outside Radius For Gypsum Board..... Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	31.92	
09 29 00 00-0174	EA		8' Long Circular / Arched Radius For Gypsum Board..... Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	31.92	
09 29 00 00-0175			Knee Brace Kit <small>(09 29 00 00-0170)</small>		
09 29 00 00-0176	EA		46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board.....	75.89	7.30
09 29 00 00-0177			Wall Bumper Rail <small>(09 29 00 00-0170)</small>		
09 29 00 00-0178	LF		2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board.....	12.22	2.92
09 29 00 00-0179			Corners For Gypsum Board <small>(09 29 00 00-0074)</small>		
09 29 00 00-0180	LF		1/2"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	2.68	0.71
09 29 00 00-0181	LF		5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	2.87	0.76
09 29 00 00-0182	LF		3/4"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	3.14	0.80
09 29 00 00-0183	LF		1"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	3.46	0.83
09 29 00 00-0184	LF		1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	4.20	1.02
09 29 00 00-0185	LF		2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	4.83	1.14
09 29 00 00-0186	LF		2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	5.80	1.30
09 29 00 00-0187	LF		3" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	7.00	1.52
09 29 00 00-0188	LF		4" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	9.54	2.03
09 29 00 00-0189	LF		90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board.....	2.65	0.68
09 29 00 00-0190	LF		90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board.....	4.59	0.91
09 29 00 00-0191	LF		90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board.....	3.53	0.91
09 29 00 00-0192	LF		90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board.....	5.71	0.91
09 29 00 00-0193	LF		45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board.....	7.97	1.14
09 29 00 00-0194	LF		60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board.....	7.69	1.14
09 29 00 00-0195	LF		3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board.....	2.72	0.80
09 29 00 00-0196	LF		5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board.....	2.71	0.76
09 29 00 00-0197	LF		1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	2.66	0.71
09 29 00 00-0198	LF		5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	2.82	0.76
09 29 00 00-0199	LF		1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	3.63	0.83
09 29 00 00-0200	LF		1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	3.16	0.71
09 29 00 00-0201	LF		5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	3.36	0.76
09 29 00 00-0202	LF		1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	4.67	0.83
09 29 00 00-0203	LF		1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board.....	4.95	0.71
09 29 00 00-0204	LF		3" Aluminum Extrusions, Bullnose For Gypsum Board.....	8.80	1.52
09 29 00 00-0205	LF		3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board.....	9.31	1.52
09 29 00 00-0206	LF		5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board.....	16.97	2.53
09 29 00 00-0207	LF		7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board.....	27.62	3.59
09 29 00 00-0208	LF		3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	3.15	0.78
09 29 00 00-0209	LF		1" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	3.54	0.82
09 29 00 00-0210	LF		1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	4.26	1.00
09 29 00 00-0211	LF		2"R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	5.14	1.13
09 29 00 00-0212	LF		2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	7.01	1.28
09 29 00 00-0213	LF		3"R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	7.68	1.50
09 29 00 00-0214	LF		4" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	8.98	2.00
09 29 00 00-0215	LF		3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	5.92	1.50
09 29 00 00-0216	LF		3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	5.99	1.50



Finishes	09	
Plaster And Gypsum Board	09 20	9
Gypsum Board	09 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0217 LF 4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	6.40	1.50
09 29 00 00-0218 LF 5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	6.52	1.50

09 30 Tiling ⁽⁰⁹⁾

Note: All tiles are standard grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods.

09 30 13 Ceramic Tiling ^(09 30)

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 13 00-0001 Ceramic Tiling ^(09 30 13)

09 30 13 00-0002 SF Less Than 8" x 8" Mounted Floor Tile.....	7.42	1.66
Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
<i>For Up To 50, Add</i> 4.34		
<i>For >50 To 250, Add</i> 0.66		
<i>For >1,000, Deduct</i> -0.33		
<i>For Epoxy Grout, Add</i> 0.78		
<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i> 1.00		
09 30 13 00-0003 SF 8" x 8" And Larger Unmounted Floor Tile	8.24	1.03
Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
<i>For Up To 50, Add</i> 5.16		
<i>For >50 To 250, Add</i> 0.83		
<i>For >1,000, Deduct</i> -0.41		
<i>For Epoxy Grout, Add</i> 0.90		
<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i> 1.00		
09 30 13 00-0004 SF Mounted Floor Tile, Residential Grade	5.90	1.66
Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
<i>For Up To 50, Add</i> 3.96		
<i>For >50 To 250, Add</i> 0.66		
<i>For >1,000, Deduct</i> -0.33		
09 30 13 00-0005 SF Less than 8" x 8" Mounted Wall Tile	8.11	2.00
Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
<i>For Up To 50, Add</i> 5.03		
<i>For >50 To 250, Add</i> 0.80		
<i>For >1,000, Deduct</i> -0.40		
<i>For Epoxy Grout, Add</i> 0.88		
09 30 13 00-0006 SF 8" x 8" And Larger Unmounted Wall Tile.....	9.17	1.27
Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
<i>For Up To 50, Add</i> 6.09		
<i>For >50 To 250, Add</i> 1.01		
<i>For >1,000, Deduct</i> -0.51		
<i>For Epoxy Grout, Add</i> 1.04		
09 30 13 00-0007 SF Mounted Wall Tile, Residential Grade	6.59	2.00
Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
<i>For Up To 50, Add</i> 4.65		
<i>For >50 To 250, Add</i> 0.80		
<i>For >1,000, Deduct</i> -0.40		
09 30 13 00-0008 SF Less than 8" x 8" Mounted Ceiling Tile	11.05	3.48
Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
<i>For Up To 50, Add</i> 7.97		
<i>For >50 To 250, Add</i> 1.39		
<i>For >1,000, Deduct</i> -0.69		
<i>For Chemical Resistant Epoxy Grout, Add</i> 1.34		
09 30 13 00-0009 SF 8" x 8" And Larger Unmounted Ceiling Tile.....	12.44	2.08
Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
<i>For Up To 50, Add</i> 9.36		
<i>For >50 To 250, Add</i> 1.67		
<i>For >1,000, Deduct</i> -0.83		
<i>For Chemical Resistant Epoxy Grout, Add</i> 1.55		
09 30 13 00-0010 LF 4-1/4" To 4-1/2" High Glazed Porcelain, Unglazed Porcelain And Glazed Ceramic Cove Base Or Trim.....	9.88	1.45
<i>For Chemical Resistant Epoxy Grout, Add</i> 1.07		

09 30 16 Quarry Tiling ^(09 30)

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 16 00-0001 SF Unglazed Quarry Floor Tile.....	6.48	1.17
Note: With or without embedded abrasive grit.		
<i>For Up To 50, Add</i> 5.09		
<i>For >50 To 250, Add</i> 0.92		
<i>For >1,000, Deduct</i> -0.46		
<i>For Epoxy Grout, Add</i> 0.97		
09 30 16 00-0002 SF Glazed Quarry Floor Tile.....	12.23	1.17

09	09 Finishes
	09 30 Tiling
	09 30 16 Quarry Tiling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
For Up To 50, Add	6.52	
For >50 To 250, Add	0.92	
For >1,000, Deduct	-0.46	
For Epoxy Grout, Add	0.97	
09 30 16 00-0003 SF Unglazed Quarry Wall Tile..... Note: With or without embedded abrasive grit.	7.41	1.38
For Up To 50, Add	6.02	
For >50 To 250, Add	1.11	
For >1,000, Deduct	-0.56	
For Epoxy Grout, Add	1.11	
09 30 16 00-0004 SF Glazed Quarry Wall Tile.....	13.16	1.38
For Up To 50, Add	7.45	
For >50 To 250, Add	1.11	
For >1,000, Deduct	-0.56	
For Epoxy Grout, Add	1.11	
09 30 16 00-0005 LF 6" High Unglazed Quarry Tile Cove Base Or Trim..... For Chemical Resistant Epoxy Grout, Add	9.02 1.12	1.53
09 30 16 00-0006 LF 6" High Glazed Quarry Tile Cove Base Or Trim..... For Chemical Resistant Epoxy Grout, Add	18.45 1.12	1.53
09 31 Thin-Set Tiling <small>(09 30)</small>		
Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.		
09 31 00 00-0001 SF Thin Set - Latex Portland Cement Mortar	1.00	0.55
For Up To 50, Add	0.87	
For >50 To 250, Add	0.16	
For >1,000, Deduct	-0.08	
09 31 00 00-0002 SF Clean And Scarify Existing Tile For Installation Of New Tile Over Existing..... For Up To 50, Add	0.53 0.53	
For >50 To 250, Add	0.11	
For >1,000, Deduct	-0.05	
09 32 Mortar-Bed Tiling <small>(09 30)</small>		
Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.		
09 32 00 00-0001 SF 3/4" Minimum Thickness Portland Cement Mortar Setting Bed	2.58	1.10
Note: For residential floors. Includes 15# felt and wire reinforcement.		
For Up To 50, Add	1.88	
For >50 To 250, Add	0.33	
For >1,000, Deduct	-0.17	
For Exterior Installation (Galvanized Reinforcement), Add	0.15	
09 32 00 00-0002 SF 1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed	3.68	1.47
Note: For commercial floors. Includes 15# felt and wire reinforcement.		
For Up To 50, Add	2.57	
For >50 To 250, Add	0.44	
For >1,000, Deduct	-0.22	
For Exterior Installation (Galvanized Reinforcement), Add	0.15	
09 32 00 00-0003 SF 3/4" Portland Cement Plaster Scratch Coat for Walls	7.81	3.31
Note: Includes 15# felt and expanded metal lath.		
For Up To 50, Add	6.91	
For >50 To 250, Add	1.32	
For >1,000, Deduct	-0.66	
For Exterior Installation (Galvanized Reinforcement), Add	0.15	
For Installation Without Felt And Metal Lath, Deduct	-1.63	
09 34 Waterproofing-Membrane Tiling <small>(09 30)</small>		
09 34 00 00-0001 Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds <small>(09 34)</small>		
09 34 00 00-0002 Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST) <small>(09 34 00 00-0001)</small>		
Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.		
09 34 00 00-0003 EA 48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	713.97	
09 34 00 00-0004 EA 32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	826.23	
09 34 00 00-0005 EA 72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,221.95	
09 34 00 00-0006 Prefabricated Polystyrene Shower Curbs And Ramps <small>(09 34 00 00-0001)</small>		
Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.		
09 34 00 00-0007 EA 15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122)	86.67	
09 34 00 00-0008 EA 4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122)	82.56	
09 34 00 00-0009 Prefabricated Polystyrene Shower Benches <small>(09 34 00 00-0001)</small>		
Note: Prefabricated shower bench for tiling over. Excludes tile.		
09 34 00 00-0010 EA 16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41)	176.59	
09 34 00 00-0011 EA 32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181)	353.94	
09 34 00 00-0012 EA 48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122)	436.70	
09 34 00 00-0013 EA 32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981)	318.47	
09 34 00 00-0014 EA 42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107)	353.94	
09 34 00 00-0015 EA 48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122)	377.58	



Finishes		09
Tiling		09 30
Waterproofing-Membrane Tiling		09 34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 34 00 00-0016	Prefabricated Polystyrene Shower Tray <small>(09 34 00 00-0001)</small>		
	Note: Prefabricated shower tray for tiling over. Excludes tile.		
09 34 00 00-0017	EA 32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152)	151.69	
09 34 00 00-0018	EA 48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122)	151.69	
09 34 00 00-0019	EA 72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183)	234.46	

09 34 00 00-0020	Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA) <small>(09 34 00 00-0001)</small>		
09 34 00 00-0021	SF 1/8" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA)	2.65	
09 34 00 00-0022	SF 5/16" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL)	3.06	

09 34 00 00-0023	Bonded Waterproof Underlayment Membranes (Schluter® KERDI) <small>(09 34 00 00-0001)</small>		
09 34 00 00-0024	SF 0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M)	2.33	

09 35 Chemical-Resistant Tiling (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 35 00 00-0001	SF Thin Set - Epoxy Mortar	3.05	0.72
	Note: Impact and chemical resistant.		
	For Up To 50, Add	1.60	
	For >50 To 250, Add	0.22	
	For >1,000, Deduct	-0.11	

09 39 Tiling Transitions And Accessories (09 30)

09 39 00 00-0001	Tile Substrate (Schluter® KERDI BOARD) <small>(09 39)</small>		
09 39 00 00-0002	LF 1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	4.71	0.41
09 39 00 00-0003	LF 5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	5.30	0.46

09 39 00 00-0004 Floor Edge Protection And Transition Profiles For Tile (09 39)

09 39 00 00-0005	LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	2.09	
09 39 00 00-0006	LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	2.15	
09 39 00 00-0007	LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	2.21	
09 39 00 00-0008	LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	2.32	
09 39 00 00-0009	LF 1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	2.76	
09 39 00 00-0010	LF 5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	2.84	
09 39 00 00-0011	LF 3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	2.90	
09 39 00 00-0012	LF 1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	2.97	
09 39 00 00-0013	LF 9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	2.19	
09 39 00 00-0014	LF 1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	2.97	
09 39 00 00-0015	LF 1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	2.77	
09 39 00 00-0016	LF 5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	2.91	
09 39 00 00-0017	LF 3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	3.05	
09 39 00 00-0018	LF 1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	3.68	
09 39 00 00-0019	LF 5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	2.86	
09 39 00 00-0020	LF 3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	3.00	
09 39 00 00-0021	LF 1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	3.64	

09 39 00 00-0022 Outside Wall Edge Protection And Transition Profiles For Tile (09 39)

09 39 00 00-0023	LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	2.85	
09 39 00 00-0024	LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	3.00	
09 39 00 00-0025	LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	3.22	
09 39 00 00-0026	LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	3.44	
09 39 00 00-0027	LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	3.15	
09 39 00 00-0028	LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	3.43	
09 39 00 00-0029	LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	3.71	
09 39 00 00-0030	LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	4.20	

09 50 Ceilings (09)

Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.

09 51 Acoustical Ceilings (09 50)

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

09 51 13 Acoustical Panel Ceilings (09 51)

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

09 51 13 00-0001	Fiberglass Panels <small>(09 51 13)</small>		
09 51 13 00-0002	Fiberglass Acoustical Panels <small>(09 51 13 00-0001)</small>		

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0003	SF		2' x 2' x 5/8" Fiberglass Acoustical Ceiling Panel.....	1.45	0.29
			For Recessed Edge, Add	0.35	
			For Fire Rated Panels, Add	0.48	
			For Up To 50, Add	0.49	
			For >50 To 200, Add	0.28	
			For >200 To 500, Add	0.11	
			For >2,500 To 4,000, Deduct	-0.03	
			For >4,000 To 5,000, Deduct	-0.06	
			For >5,000, Deduct	-0.10	
			For Individual Room Quantities <495, Add	0.14	
			Note: For use with projects >500 SF		
			For Acid Resistive, Add	2.50	
			For Black Ceiling Tiles, Add	0.43	
			For Ceilings >10' High, Add	0.05	
09 51 13 00-0004	SF		2' x 4' x 5/8" Fiberglass Acoustical Ceiling Panel.....	1.43	0.29
			For Recessed Edge, Add	0.35	
			For Fire Rated Panels, Add	0.48	
			For Up To 50, Add	0.47	
			For >50 To 200, Add	0.27	
			For >200 To 500, Add	0.10	
			For >2,500 To 4,000, Deduct	-0.03	
			For >4,000 To 5,000, Deduct	-0.06	
			For >5,000, Deduct	-0.10	
			For Individual Room Quantities <495, Add	0.14	
			Note: For use with projects >500 SF		
			For Acid Resistive, Add	2.50	
			For Black Ceiling Tiles, Add	0.43	
			For Ceilings >10' High, Add	0.05	
09 51 13 00-0005	SF		2' x 2' x 3/4" Fiberglass Acoustical Ceiling Panel.....	3.05	0.29
			For Recessed Edge, Add	0.35	
			For Fire Rated Panels, Add	0.48	
			For Up To 50, Add	0.73	
			For >50 To 200, Add	0.44	
			For >200 To 500, Add	0.19	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.10	
			For >5,000, Deduct	-0.16	
			For Individual Room Quantities <495, Add	0.22	
			Note: For use with projects >500 SF		
			For Acid Resistive, Add	2.50	
			For Black Ceiling Tiles, Add	1.31	
			For Ceilings >10' High, Add	0.05	
09 51 13 00-0006	SF		2' x 4' x 3/4" Fiberglass Acoustical Ceiling Panel.....	3.05	0.29
			For Recessed Edge, Add	0.35	
			For Fire Rated Panels, Add	0.48	
			For Up To 50, Add	0.73	
			For >50 To 200, Add	0.44	
			For >200 To 500, Add	0.19	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.10	
			For >5,000, Deduct	-0.16	
			For Individual Room Quantities <495, Add	0.22	
			Note: For use with projects >500 SF		
			For Acid Resistive, Add	2.50	
			For Black Ceiling Tiles, Add	1.31	
			For Ceilings >10' High, Add	0.05	
09 51 13 00-0007	SF		2' x 2' x 1" Fiberglass Acoustical Ceiling Panel.....	3.25	0.35
			For Recessed Edge, Add	0.35	
			For Fire Rated Panels, Add	0.48	
			For Up To 50, Add	0.76	
			For >50 To 200, Add	0.46	
			For >200 To 500, Add	0.20	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.11	
			For >5,000, Deduct	-0.17	
			For Individual Room Quantities <495, Add	0.23	
			Note: For use with projects >500 SF		
			For Acid Resistive, Add	2.50	
			For Ceilings >10' High, Add	0.05	
09 51 13 00-0008	SF		2' x 4' x 1" Fiberglass Acoustical Ceiling Panel.....	3.25	0.35
			For Recessed Edge, Add	0.35	
			For Fire Rated Panels, Add	0.48	
			For Up To 50, Add	0.76	
			For >50 To 200, Add	0.46	
			For >200 To 500, Add	0.20	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.11	
			For >5,000, Deduct	-0.17	
			For Individual Room Quantities <495, Add	0.23	
			Note: For use with projects >500 SF		
			For Acid Resistive, Add	2.50	
			For Ceilings >10' High, Add	0.05	

09 51 13 00-0009 Glass Cloth Faced Fiberglass Panels (09 51 13 00-0001)



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0010 SF 3/4" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels.....	2.80	0.35
For Fire Rated Panels, Add	0.52	
For Up To 50, Add	0.76	
For >50 To 200, Add	0.45	
For >200 To 500, Add	0.18	
For >2,500 To 4,000, Deduct	-0.06	
For >4,000 To 5,000, Deduct	-0.10	
For >5,000, Deduct	-0.16	
For Individual Room Quantities <495, Add	0.22	
Note: For use with projects >500 SF		
For Acid Resistive, Add	2.50	
For Ceilings >10' High, Add	0.06	
09 51 13 00-0011 SF 1" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels.....	3.05	0.35
For Fire Rated Panels, Add	0.52	
For Up To 50, Add	0.79	
For >50 To 200, Add	0.47	
For >200 To 500, Add	0.19	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.11	
For >5,000, Deduct	-0.17	
For Individual Room Quantities <495, Add	0.24	
Note: For use with projects >500 SF		
For Acid Resistive, Add	2.50	
For Ceilings >10' High, Add	0.06	
09 51 13 00-0012 SF 1-1/2" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels.....	4.26	0.58
For Fire Rated Panels, Add	0.57	
For Up To 50, Add	1.08	
For >50 To 200, Add	0.64	
For >200 To 500, Add	0.27	
For >2,500 To 4,000, Deduct	-0.09	
For >4,000 To 5,000, Deduct	-0.15	
For >5,000, Deduct	-0.24	
For Individual Room Quantities <495, Add	0.32	
Note: For use with projects >500 SF		
For Acid Resistive, Add	2.50	
For Ceilings >10' High, Add	0.08	
09 51 13 00-0013 SF 2" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels.....	5.44	0.58
For Fire Rated Panels, Add	0.57	
For Up To 50, Add	1.25	
For >50 To 200, Add	0.76	
For >200 To 500, Add	0.33	
For >2,500 To 4,000, Deduct	-0.11	
For >4,000 To 5,000, Deduct	-0.19	
For >5,000, Deduct	-0.28	
For Individual Room Quantities <495, Add	0.38	
Note: For use with projects >500 SF		
For Acid Resistive, Add	2.50	
For Ceilings >10' High, Add	0.08	
09 51 13 00-0014 Mineral Fiber Panels (09 51 13)		
09 51 13 00-0015 Mineral Fiber Acoustical Ceiling Panels (09 51 13 00-0014)		
09 51 13 00-0016 SF 1' x 2' x 3/4" Mineral Fiber Acoustical Ceiling Panels.....	1.73	0.35
For Vinyl Faced Panels, Add	1.01	
For Fire Rated Panels, Add	0.50	
For Moisture Resistant Panels, Add	1.01	
For Up To 50, Add	0.55	
For >50 To 200, Add	0.32	
For >200 To 500, Add	0.12	
For >2,500 To 4,000, Deduct	-0.04	
For >4,000 To 5,000, Deduct	-0.07	
For >5,000, Deduct	-0.11	
For Individual Room Quantities <495, Add	0.16	
Note: For use with projects >500 SF		
For Acid Resistive, Add	2.50	
For Rough Texture, Add	0.13	
For Integrated Wood Trim, Add	7.48	
For Vertical Application, Add	0.33	
For Single Angled Tegular Edge (Reveal), Add	0.52	
For Ceilings >10' High, Add	0.05	

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0017	SF		2' x 2' x 5/8" Mineral Fiber Acoustical Ceiling Panels.....	1.19	0.35
			For Vinyl Faced Panels, Add	0.98	
			For Fire Rated Panels, Add	0.48	
			For Vinyl-Coated Aluminum Foil Surfaced, Add	1.40	
			For Moisture Resistant Panels, Add	0.98	
			For Up To 50, Add	0.45	
			For >50 To 200, Add	0.25	
			For >200 To 500, Add	0.09	
			For >2,500 To 4,000, Deduct	-0.03	
			For >4,000 To 5,000, Deduct	-0.05	
			For >5,000, Deduct	-0.09	
			For Individual Room Quantities <495, Add	0.13	
			Note: For use with projects >500 SF		
			For Acid Resistive, Add	2.50	
			For Rough Texture, Add	0.07	
			For Integrated Wood Trim, Add	7.44	
			For Vertical Application, Add	0.30	
			For Single Angled Tegular Edge (Reveal), Add	0.30	
			For Black Ceiling Tiles, Add	0.29	
			For Ceilings >10' High, Add	0.05	
09 51 13 00-0018	SF		2' x 2' x 3/4" Mineral Fiber Acoustical Ceiling Panels.....	1.82	0.35
			For Premium Grade (Eclipse Or Cirrus, With Minimum .70 NRC) Ceiling Tile, Add	0.29	
			For Vinyl Faced Panels, Add	0.98	
			For Fire Rated Panels, Add	0.48	
			For Moisture Resistant Panels, Add	0.98	
			For Up To 50, Add	0.54	
			For >50 To 200, Add	0.32	
			For >200 To 500, Add	0.12	
			For >2,500 To 4,000, Deduct	-0.04	
			For >4,000 To 5,000, Deduct	-0.07	
			For >5,000, Deduct	-0.11	
			For Individual Room Quantities <495, Add	0.16	
			Note: For use with projects >500 SF		
			For Integrated Wood Trim, Add	7.69	
			For Acid Resistive, Add	2.50	
			For Rough Texture, Add	0.14	
			For Vertical Application, Add	0.30	
			For Single Angled Tegular Edge (Reveal), Add	0.58	
			For Scored Acoustical Tile, Add	0.25	
			For Black Ceiling Tiles, Add	0.63	
			For Ceilings >10' High, Add	0.05	
09 51 13 00-0019	SF		2' x 4' x 5/8" Mineral Fiber Acoustical Ceiling Panels.....	1.17	0.35
			For Vinyl Faced Panels, Add	0.98	
			For Fire Rated Panels, Add	0.48	
			For Vinyl-Coated Aluminum Foil Surfaced, Add	1.40	
			For Moisture Resistant Panels, Add	0.98	
			For Up To 50, Add	0.44	
			For >50 To 200, Add	0.25	
			For >200 To 500, Add	0.09	
			For >2,500 To 4,000, Deduct	-0.03	
			For >4,000 To 5,000, Deduct	-0.05	
			For >5,000, Deduct	-0.09	
			For Individual Room Quantities <495, Add	0.12	
			Note: For use with projects >500 SF		
			For Integrated Wood Trim, Add	8.93	
			For Acid Resistive, Add	2.50	
			For Rough Texture, Add	0.07	
			For Vertical Application, Add	0.29	
			For Single Angled Tegular Edge (Reveal), Add	0.30	
			For Black Ceiling Tiles, Add	0.29	
			For Ceilings >10' High, Add	0.05	
09 51 13 00-0020	SF		2' x 4' x 3/4" Mineral Fiber Acoustical Ceiling Panels.....	1.80	0.35
			For Premium Grade (Eclipse Or Cirrus, With Minimum .70 NRC) Ceiling Tile, Add	0.29	
			For Vinyl Faced Panels, Add	0.98	
			For Fire Rated Panels, Add	0.48	
			For Moisture Resistant Panels, Add	0.98	
			For Up To 50, Add	0.53	
			For >50 To 200, Add	0.31	
			For >200 To 500, Add	0.12	
			For >2,500 To 4,000, Deduct	-0.04	
			For >4,000 To 5,000, Deduct	-0.07	
			For >5,000, Deduct	-0.11	
			For Individual Room Quantities <495, Add	0.16	
			Note: For use with projects >500 SF		
			For Integrated Wood Trim, Add	9.18	
			For Acid Resistive, Add	2.50	
			For Rough Texture, Add	0.14	
			For Vertical Application, Add	0.29	
			For Single Angled Tegular Edge (Reveal), Add	0.58	
			For Scored Acoustical Tile, Add	0.25	
			For Black Ceiling Tiles, Add	0.63	
			For Ceilings >10' High, Add	0.05	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0021 SF 2' x 5' x 5/8" Mineral Fiber Acoustical Ceiling Panels.....	1.16	0.35
For Vinyl Faced Panels, Add	0.97	
For Fire Rated Panels, Add	0.48	
For Moisture Resistant Panels, Add	0.97	
For Up To 50, Add	0.43	
For >50 To 200, Add	0.24	
For >200 To 500, Add	0.09	
For >2,500 To 4,000, Deduct	-0.03	
For >4,000 To 5,000, Deduct	-0.05	
For >5,000, Deduct	-0.08	
For Individual Room Quantities <495, Add	0.12	
Note: For use with projects >500 SF		
For Integrated Wood Trim, Add	9.17	
For Acid Resistive, Add	2.50	
For Rough Texture, Add	0.07	
For Vertical Application, Add	0.29	
For Single Angled Tegular Edge (Reveal), Add	0.30	
For Ceilings >10' High, Add	0.05	
09 51 13 00-0022 Wood Fiber Panels (09 51 13)		
09 51 13 00-0023 SF 2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels.....	2.28	0.46
For Up To 50, Add	0.76	
For >50 To 200, Add	0.44	
For >200 To 500, Add	0.17	
For >2,500 To 4,000, Deduct	-0.05	
For >4,000 To 5,000, Deduct	-0.09	
For >5,000, Deduct	-0.15	
For Individual Room Quantities <495, Add	0.22	
Note: For use with projects >500 SF		
For Flameproofing, Add	0.05	
For Sculptured, 3 Dimensional, Add	0.10	
For Ceilings >10' High, Add	0.08	
09 51 13 00-0024 SF 2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels.....	2.18	0.41
For Up To 50, Add	0.70	
For >50 To 200, Add	0.41	
For >200 To 500, Add	0.16	
For >2,500 To 4,000, Deduct	-0.05	
For >4,000 To 5,000, Deduct	-0.08	
For >5,000, Deduct	-0.14	
For Individual Room Quantities <495, Add	0.20	
Note: For use with projects >500 SF		
For Flameproofing, Add	0.05	
For Sculptured, 3 Dimensional, Add	0.10	
For Ceilings >10' High, Add	0.07	
09 51 13 00-0025 SF 2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels.....	2.84	0.46
For Up To 50, Add	0.84	
For >50 To 200, Add	0.49	
For >200 To 500, Add	0.19	
For >2,500 To 4,000, Deduct	-0.06	
For >4,000 To 5,000, Deduct	-0.11	
For >5,000, Deduct	-0.18	
For Individual Room Quantities <495, Add	0.25	
Note: For use with projects >500 SF		
For Flameproofing, Add	0.05	
For Sculptured, 3 Dimensional, Add	0.10	
For Ceilings >10' High, Add	0.08	
09 51 13 00-0026 SF 2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels.....	2.74	0.41
For Up To 50, Add	0.79	
For >50 To 200, Add	0.46	
For >200 To 500, Add	0.18	
For >2,500 To 4,000, Deduct	-0.06	
For >4,000 To 5,000, Deduct	-0.10	
For >5,000, Deduct	-0.17	
For Individual Room Quantities <495, Add	0.23	
Note: For use with projects >500 SF		
For Flameproofing, Add	0.05	
For Sculptured, 3 Dimensional, Add	0.10	
For Ceilings >10' High, Add	0.07	
09 51 13 00-0027 SF 2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels.....	3.38	0.46
For Up To 50, Add	0.92	
For >50 To 200, Add	0.55	
For >200 To 500, Add	0.22	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.12	
For >5,000, Deduct	-0.20	
For Individual Room Quantities <495, Add	0.27	
Note: For use with projects >500 SF		
For Flameproofing, Add	0.05	
For Sculptured, 3 Dimensional, Add	0.10	
For Ceilings >10' High, Add	0.08	

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0028	SF		2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels	3.28	0.41
			For Up To 50, Add	0.87	
			For >50 To 200, Add	0.52	
			For >200 To 500, Add	0.21	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.12	
			For >5,000, Deduct	-0.19	
			For Individual Room Quantities <495, Add	0.26	
			Note: For use with projects >500 SF		
			For Flameproofing, Add	0.05	
			For Sculptured, 3 Dimensional, Add	0.10	
			For Ceilings >10' High, Add	0.07	
09 51 13 00-0029	SF		2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels	2.61	0.46
			For Up To 50, Add	0.81	
			For >50 To 200, Add	0.47	
			For >200 To 500, Add	0.18	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.10	
			For >5,000, Deduct	-0.17	
			For Individual Room Quantities <495, Add	0.23	
			Note: For use with projects >500 SF		
			For Flameproofing, Add	0.05	
			For Sculptured, 3 Dimensional, Add	0.10	
			For Ceilings >10' High, Add	0.08	
09 51 13 00-0030	SF		2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels	2.51	0.41
			For Up To 50, Add	0.75	
			For >50 To 200, Add	0.44	
			For >200 To 500, Add	0.17	
			For >2,500 To 4,000, Deduct	-0.05	
			For >4,000 To 5,000, Deduct	-0.09	
			For >5,000, Deduct	-0.16	
			For Individual Room Quantities <495, Add	0.22	
			Note: For use with projects >500 SF		
			For Flameproofing, Add	0.05	
			For Sculptured, 3 Dimensional, Add	0.10	
			For Ceilings >10' High, Add	0.07	
09 51 13 00-0031			Removal And Reinstallation Of Acoustical Ceiling Panels (09 51 13)		
			Note: 2'x2' Or 2'x4'. Includes storage and cleaning.		
09 51 13 00-0032	SF		Removal And Reinstallation Of Acoustical Ceiling Tile And Grid, 2' x 2' Or 2' x 4'	0.86	
			For Ceilings >10' High, Add	0.06	
09 51 13 00-0033	SF		Removal And Reinstallation Of Acoustical Panels Only	0.56	
			For Ceilings >10' High, Add	0.04	
09 51 13 00-0034	SF		Removal And Reinstallation Of Grid System Only	0.52	
			For Ceilings >10' High, Add	0.04	
09 51 23			Acoustical Tile Ceilings (09 51)		
			Note: Includes fastening with staples and/or adhesive.		
09 51 23 00-0001			Mineral Fiber Acoustical Tile Ceilings (09 51 23)		
09 51 23 00-0002	SF		12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile	3.07	0.65
			For Furring 1 x 3 Strips 12" On Center, Add	0.50	
			For Up To 50, Add	1.04	
			For >50 To 200, Add	0.60	
			For >200 To 500, Add	0.23	
			For >2,500, Deduct	-0.15	
			For Ceilings >10' High, Add	0.11	
09 51 23 00-0003	SF		12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile	3.68	0.65
			For Furring 1 x 3 Strips 12" On Center, Add	0.50	
			For Up To 50, Add	1.14	
			For >50 To 200, Add	0.66	
			For >200 To 500, Add	0.26	
			For >2,500, Deduct	-0.18	
			For Placing Tiles In Suspended Ceiling System, Deduct	-0.26	
			For Ceilings >10' High, Add	0.11	
09 51 23 00-0004	SF		12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile	4.16	0.65
			For Furring 1 x 3 Strips 12" On Center, Add	0.50	
			For Up To 50, Add	1.21	
			For >50 To 200, Add	0.71	
			For >200 To 500, Add	0.28	
			For >2,500, Deduct	-0.21	
			For Placing Tiles In Suspended Ceiling System, Deduct	-0.26	
			For Ceilings >10' High, Add	0.11	
09 51 23 00-0005			Wood Fiber Acoustical Tile Ceilings (09 51 23)		
09 51 23 00-0006	SF		12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile	2.82	0.65
			For Furring 1 x 3 Strips 12" On Center, Add	0.50	
			For Up To 50, Add	1.01	
			For >50 To 200, Add	0.57	
			For >200 To 500, Add	0.21	
			For >2,500, Deduct	-0.14	
			For Ceilings >10' High, Add	0.11	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 Acoustical Metal Pan Ceilings <small>(09 51)</small>		
09 51 33 13 Acoustical Snap-in Metal Pan Ceilings <small>(09 51 33)</small>		
09 51 33 13-0001 Metal Pan Units, 24 GA Steel <small>(09 51 33 13)</small>		
Note: Excludes pads.		
09 51 33 13-0002 SF 12" x 12" - 24 Gauge, Acoustical Metal Pan Units	13.82	0.76
For Up To 50, Add	2.74	
For >50 To 200, Add	1.71	
For >200 To 500, Add	0.77	
For >2,500, Deduct	-0.69	
For Ceilings >10' High, Add	0.12	
09 51 33 13-0003 SF 12" x 24" - 24 Gauge, Acoustical Metal Pan Units	14.70	0.76
For Up To 50, Add	2.87	
For >50 To 200, Add	1.80	
For >200 To 500, Add	0.82	
For >2,500, Deduct	-0.74	
For Ceilings >10' High, Add	0.12	
09 51 33 13-0004 SF 12" x 12" - 0.025" Thick, Acoustical Aluminum Pan	8.72	0.76
For Up To 50, Add	1.97	
For >50 To 200, Add	1.20	
For >200 To 500, Add	0.52	
For >2,500, Deduct	-0.44	
For Ceilings >10' High, Add	0.12	
09 51 33 13-0005 SF 12" x 24" - 0.025" Thick, Acoustical Aluminum Pan	9.45	0.76
For Up To 50, Add	2.08	
For >50 To 200, Add	1.28	
For >200 To 500, Add	0.56	
For >2,500, Deduct	-0.47	
For Ceilings >10' High, Add	0.12	
09 51 33 13-0006 SF 12" x 12" - 0.025" Thick, Acoustical Anodized Aluminum Pan Units	12.99	0.76
For Up To 50, Add	2.61	
For >50 To 200, Add	1.63	
For >200 To 500, Add	0.73	
For >2,500, Deduct	-0.65	
For Ceilings >10' High, Add	0.12	
09 51 33 13-0007 SF 12" x 24" - 0.025" Thick, Acoustical Anodized Aluminum Pan Units	9.27	0.76
For Up To 50, Add	2.05	
For >50 To 200, Add	1.26	
For >200 To 500, Add	0.55	
For >2,500, Deduct	-0.46	
For Ceilings >10' High, Add	0.12	
09 51 33 13-0008 SF 12" x 12" - 24 Gauge, Stainless Steel Acoustical Pan Units	33.82	0.76
For Up To 50, Add	5.74	
For >50 To 200, Add	3.71	
For >200 To 500, Add	1.77	
For >2,500, Deduct	-1.69	
For Ceilings >10' High, Add	0.12	
09 51 33 13-0009 SF 12" x 24" - 24 Gauge, Stainless Steel Acoustical Pan Units	18.80	0.76
For Up To 50, Add	3.48	
For >50 To 200, Add	2.21	
For >200 To 500, Add	1.02	
For >2,500, Deduct	-0.94	
For Ceilings >10' High, Add	0.12	
09 51 33 13-0010 Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels <small>(09 51 33 13)</small>		
09 51 33 13-0011 SF 24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	11.62	0.51
09 51 33 13-0012 SF 24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	12.44	0.51
09 51 33 13-0013 Aluminum, Acoustical Snap-In Metal Ceiling Panels <small>(09 51 33 13)</small>		
09 51 33 13-0014 SF 24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	8.63	0.58
09 51 33 13-0015 SF 24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.72	0.58
09 51 33 13-0016 SF 24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	28.93	0.58
09 51 33 13-0017 SF 24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	13.03	0.58
09 51 33 13-0018 SF 24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	9.12	0.58
09 51 33 13-0019 SF 24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.34	0.58
09 51 33 13-0020 SF 24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	28.71	0.58
09 51 33 13-0021 SF 24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	12.93	0.58
09 51 33 13-0022 SF 30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	11.78	0.58
09 51 33 13-0023 SF 30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.54	0.58

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0024	SF	30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	31.92	0.58
09 51 33 13-0025	SF	30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.37	0.58
09 51 33 13-0026	SF	30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	12.49	0.58
09 51 33 13-0027	SF	30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.92	0.58
09 51 33 13-0028	SF	30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	33.01	0.58
09 51 33 13-0029	SF	30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.75	0.58
09 51 33 13-0030	SF	12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	10.64	0.58
09 51 33 13-0031	SF	12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.50	0.58
09 51 33 13-0032	SF	12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	31.21	0.58
09 51 33 13-0033	SF	12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.99	0.58
09 51 33 13-0034	SF	12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	11.46	0.58
09 51 33 13-0035	SF	12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.71	0.58
09 51 33 13-0036	SF	12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.35	0.58
09 51 33 13-0037	SF	12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.48	0.58
09 51 33 13-0038	SF	24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	8.40	0.58
09 51 33 13-0039	SF	24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	12.97	0.58
09 51 33 13-0040	SF	24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	27.12	0.58
09 51 33 13-0041	SF	24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	12.32	0.58
09 51 33 13-0042	SF	24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	8.94	0.58
09 51 33 13-0043	SF	24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	12.86	0.58
09 51 33 13-0044	SF	24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	27.17	0.58
09 51 33 13-0045	SF	24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	12.32	0.58

09 51 33 23 Acoustical Lay-in Metal Pan Ceilings (09 51 33)**09 51 33 23-0001 Acoustical Lay-In Metal Pan Ceilings (09 51 33 23)****09 51 33 23-0002 Aluminum, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)**

09 51 33 23-0003	SF	24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	9.04	0.43
09 51 33 23-0004	SF	24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	10.27	0.43
09 51 33 23-0005	SF	24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	15.17	0.43
09 51 33 23-0006	SF	24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	12.85	0.43
09 51 33 23-0007	SF	24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	13.81	0.43
09 51 33 23-0008	SF	24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	21.83	0.43
09 51 33 23-0009	SF	30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	13.59	0.43
09 51 33 23-0010	SF	30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	16.90	0.43
09 51 33 23-0011	SF	48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	13.67	0.43
09 51 33 23-0012	SF	48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	17.00	0.43
09 51 33 23-0013	SF	12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	13.74	0.43
09 51 33 23-0014	SF	12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	16.93	0.43
09 51 33 23-0015	SF	24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	13.74	0.43
09 51 33 23-0016	SF	24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	17.07	0.43

09 51 33 23-0017 Steel, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)

09 51 33 23-0018	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	11.72	0.43
09 51 33 23-0019	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	14.01	0.43
09 51 33 23-0020	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	15.04	0.43
09 51 33 23-0021	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	14.12	0.43
09 51 33 23-0022	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	14.50	0.43
09 51 33 23-0023	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	15.37	0.43

09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings (09 51 33)



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 33-0001 Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33)		
09 51 33 33-0002 Steel, Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33-0001)		
09 51 33 33-0003 SF 24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	8.51	0.43
09 51 33 33-0004 SF 24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	9.60	0.43
09 51 33 33-0005 SF 24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	13.63	0.43
09 51 33 33-0006 SF 24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	9.71	0.43
09 51 33 33-0007 SF 24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	11.01	0.43
09 51 33 33-0008 SF 24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	14.88	0.43
09 53 Acoustical Ceiling Suspension Assemblies (09 50)		
09 53 23 Metal Acoustical Ceiling Suspension Assemblies (09 53)		
09 53 23 00-0001 Ceiling Suspension Systems (09 53 23)		
Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from structural steel, wood or metal deck, wood members or concrete deck above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.		
09 53 23 00-0002 SF 12" x 12" Ceiling Tile Size, Concealed 15/16" T Bar Ceiling Suspension System.....	3.01	0.29
Note: Excludes ceiling tile.		
<i>For Vertical Application, Add</i>		
	1.57	
<i>For Individual Room Quantities <495, Add</i>		
	0.33	
Note: For use with projects >500 SF		
<i>For Compression Struts With Splay Wires, Add</i>		
	0.35	
<i>For Up To 50, Add</i>		
	1.17	
<i>For >50 To 200, Add</i>		
	0.66	
<i>For >200 To 500, Add</i>		
	0.24	
<i>For >2,500 To 4,000, Deduct</i>		
	-0.07	
<i>For >4,000 To 5,000, Deduct</i>		
	-0.13	
<i>For >5,000, Deduct</i>		
	-0.18	
<i>For Ceilings >10' High, Add</i>		
	0.13	
09 53 23 00-0003 SF 1' x 2' Grid, 15/16" T Bar Ceiling Suspension System.....	2.43	0.29
<i>For UL Listed (Fire Guard), Add</i>		
	0.13	
<i>For 1-1/2" Wide Faced Grid, Add</i>		
	0.25	
<i>For Vertical Application, Add</i>		
	1.35	
<i>For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add</i>		
	2.50	
<i>For 9/16" Narrow Faced Grid, Add</i>		
	0.22	
<i>For Individual Room Quantities <495, Add</i>		
	0.28	
Note: For use with projects >500 SF		
<i>For Aluminum T-Bar System, Add</i>		
	0.40	
<i>For Compression Struts With Splay Wires, Add</i>		
	0.28	
<i>For Up To 50, Add</i>		
	0.98	
<i>For >50 To 200, Add</i>		
	0.55	
<i>For >200 To 500, Add</i>		
	0.20	
<i>For >2,500 To 4,000, Deduct</i>		
	-0.06	
<i>For >4,000 To 5,000, Deduct</i>		
	-0.10	
<i>For >5,000, Deduct</i>		
	-0.15	
<i>For Ceilings >10' High, Add</i>		
	0.12	
09 53 23 00-0004 SF 2' x 2' Grid, 15/16" T Bar Ceiling Suspension System.....	1.96	0.29
<i>For UL Listed (Fire Guard), Add</i>		
	0.09	
<i>For 1-1/2" Wide Faced Grid, Add</i>		
	0.17	
<i>For Vertical Application, Add</i>		
	1.17	
<i>For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add</i>		
	2.50	
<i>For 9/16" Narrow Faced Grid, Add</i>		
	0.16	
<i>For Individual Room Quantities <495, Add</i>		
	0.23	
Note: For use with projects >500 SF		
<i>For Aluminum T-Bar System, Add</i>		
	0.28	
<i>For Compression Struts With Splay Wires, Add</i>		
	0.22	
<i>For Up To 50, Add</i>		
	0.83	
<i>For >50 To 200, Add</i>		
	0.46	
<i>For >200 To 500, Add</i>		
	0.17	
<i>For >2,500 To 4,000, Deduct</i>		
	-0.05	
<i>For >4,000 To 5,000, Deduct</i>		
	-0.09	
<i>For >5,000, Deduct</i>		
	-0.13	
<i>For Black Grid, Add</i>		
	0.08	
<i>For Ceilings >10' High, Add</i>		
	0.10	
<i>For Concealed Spline Grid, Add</i>		
	0.29	

09 Finishes**09 50 Ceilings****09 53 Acoustical Ceiling Suspension Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0005	SF		2' x 4' Grid, 15/16" T Bar Ceiling Suspension System	1.66	0.29
			For UL Listed (Fire Guard), Add	0.07	
			For 1-1/2" Wide Faced Grid, Add	0.14	
			For Vertical Application, Add	1.17	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For 9/16" Narrow Faced Grid, Add	0.12	
			For Individual Room Quantities <495, Add	0.20	
			Note: For use with projects >500 SF		
			For Aluminum T-Bar System, Add	0.22	
			For Compression Struts With Splay Wires, Add	0.19	
			For Up To 50, Add	0.72	
			For >50 To 200, Add	0.40	
			For >200 To 500, Add	0.14	
			For >2,500 To 4,000, Deduct	-0.04	
			For >4,000 To 5,000, Deduct	-0.07	
			For >5,000, Deduct	-0.11	
			For Black Grid, Add	0.06	
			For Ceilings >10' High, Add	0.09	
			For Concealed Spline Grid, Add	0.24	
09 53 23 00-0006	SF		2' x 5' Grid, 15/16" T Bar Ceiling Suspension System	1.61	0.29
			For UL Listed (Fire Guard), Add	0.08	
			For 1-1/2" Wide Faced Grid, Add	0.15	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For 9/16" Narrow Faced Grid, Add	0.14	
			For Individual Room Quantities <495, Add	0.19	
			Note: For use with projects >500 SF		
			For Aluminum T-Bar System, Add	0.25	
			For Compression Struts With Splay Wires, Add	0.18	
			For Up To 50, Add	0.67	
			For >50 To 200, Add	0.37	
			For >200 To 500, Add	0.13	
			For >2,500 To 4,000, Deduct	-0.04	
			For >4,000 To 5,000, Deduct	-0.07	
			For >5,000, Deduct	-0.10	
			For Ceilings >10' High, Add	0.08	
09 53 23 00-0007	SF		2', 15/16" Suspended Ceiling Cross Tee	0.47	0.17
			Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.		
			For 1-1/2" Wide Faced Grid, Add	0.04	
			For Vertical Application, Add	0.34	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For 9/16" Narrow Faced Grid, Add	0.03	
			For Individual Room Quantities <495, Add	0.06	
			Note: For use with projects >500 SF		
			For Aluminum T-Bar System, Add	0.06	
			For Up To 50, Add	0.21	
			For >50 To 200, Add	0.12	
			For >200 To 500, Add	0.04	
			For >2,500 To 4,000, Deduct	-0.01	
			For >4,000 To 5,000, Deduct	-0.02	
			For >5,000, Deduct	-0.03	
			For Ceilings >10' High, Add	0.03	
09 53 23 00-0008			Ceiling Suspension System Accessories (09 53 23)		
09 53 23 00-0009	LF		For Pencil Rod Support With Accessories And Attachments (Seismic Control Or Where Required).....	0.73	
09 53 23 00-0010	LF		1" x 1/8" Flat Bar Bracing For Suspended Ceiling.....	1.62	0.82
			For 304 Stainless Steel, Add	1.11	
			For 316 Stainless Steel, Add	1.25	
			For Aluminum, Add	0.07	
			For Galvanized Steel, Add	0.24	
09 53 23 00-0011	LF		1" x 3/16" Flat Bar Bracing For Suspended Ceiling.....	2.30	0.88
			For Galvanized Steel, Add	0.37	
			For 304 Stainless Steel, Add	1.71	
			For 316 Stainless Steel, Add	1.92	
			For Aluminum, Add	0.11	
			For Galvanized Steel, Add	0.37	
09 53 23 00-0012	LF		1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling	3.12	0.94
			For Galvanized Steel, Add	0.74	
			For 304 Stainless Steel, Add	3.39	
			For 316 Stainless Steel, Add	3.81	
			For Aluminum, Add	0.21	
			For Galvanized Steel, Add	0.74	

09 54 Specialty Ceilings (09 50)**09 54 23 Linear Metal Ceilings (09 54)**

09 54 23 00-0001 Linear Ceiling Systems (09 54 23)

09 54 23 00-0002 0.032" Aluminum, Linear Ceiling Systems (09 54 23 00-0001)

Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.



Finishes	09	09
Ceilings	09 50	
Specialty Ceilings	09 54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 54 23 00-0003 SF 4" Panel Width, 0.032" Aluminum, Linear Ceiling System	10.87	1.25
For Up To 50, Add	2.83	
For >50 To 200, Add	1.69	
For >200 To 500, Add	0.69	
For >2,500, Deduct	-0.54	
For Ceilings >10' High, Add	0.23	
For Linear Ceiling Systems Without Filler Strips, Deduct	-1.95	
For Curved Ceilings, Add	0.83	
09 54 23 00-0004 SF 8" Panel Width, 0.032" Aluminum, Linear Ceiling System	8.78	1.25
For Up To 50, Add	2.49	
For >50 To 200, Add	1.47	
For >200 To 500, Add	0.59	
For >2,500, Deduct	-0.44	
For Ceilings >10' High, Add	0.22	
For Linear Ceiling Systems Without Filler Strips, Deduct	-0.96	
For Curved Ceilings, Add	0.81	
09 54 23 00-0005 SF 12" Panel Width, 0.032" Aluminum, Linear Ceiling System	7.98	1.25
For Up To 50, Add	2.35	
For >50 To 200, Add	1.37	
For >200 To 500, Add	0.54	
For >2,500, Deduct	-0.40	
For Ceilings >10' High, Add	0.22	
For Linear Ceiling Systems Without Filler Strips, Deduct	-0.65	
For Curved Ceilings, Add	0.80	
09 54 23 00-0006 Tin Ceilings (09 54 23)		
09 54 23 00-0007 SF 2' x 2' Tin Ceiling Embossed Panels.....	11.11	1.94
For Up To 50, Add	2.60	
For >50 To 200, Add	1.58	
For >200 To 500, Add	0.67	
For >2,500, Deduct	-0.56	
For Ceilings >10' High, Add	0.18	
09 54 23 00-0008 SF 12" x 12" Tin Ceiling Embossed Plates.....	16.46	1.25
For Up To 50, Add	3.46	
For >50 To 200, Add	2.14	
For >200 To 500, Add	0.95	
For >2,500, Deduct	-0.82	
For Ceilings >10' High, Add	0.19	
09 54 23 00-0009 SF 12" x 24" Tin Ceiling Embossed Plates.....	12.01	1.25
For Up To 50, Add	2.79	
For >50 To 200, Add	1.70	
For >200 To 500, Add	0.72	
For >2,500, Deduct	-0.60	
For Ceilings >10' High, Add	0.19	
09 54 23 00-0010 SF 24" x 24" Tin Ceiling Embossed Plates.....	11.03	1.25
For Up To 50, Add	2.57	
For >50 To 200, Add	1.56	
For >200 To 500, Add	0.67	
For >2,500, Deduct	-0.55	
For Ceilings >10' High, Add	0.17	
09 54 23 00-0011 SF 24" x 48" Tin Ceiling Embossed Plates.....	9.62	0.94
For Up To 50, Add	2.24	
For >50 To 200, Add	1.36	
For >200 To 500, Add	0.58	
For >2,500, Deduct	-0.48	
For Ceilings >10' High, Add	0.15	
09 54 23 00-0012 LF 3" Or 4" Wide Embossed Molding.....	7.53	1.88
09 54 23 00-0013 LF 6" Wide Embossed Molding.....	9.41	2.19
09 54 23 00-0014 LF 12" Wide Embossed Molding.....	12.63	2.56
09 54 23 00-0015 EA 3", 4" Or 6" Wide Embossed Cross, Tee Or Ell.....	21.78	5.95
09 54 23 00-0016 EA 12" Wide Embossed Cross, Tee Or Ell.....	30.21	6.95

09 57 Special Function Ceilings (09 50)

09 57 00 00-0001 High Impact Ceiling Systems (09 57)

09 57 00 00-0002 SF Polyvinyl Chloride Face High Impact Ceiling Panels	3.97	0.58
For Ceilings >10' High, Add	0.07	
09 57 00 00-0003 SF High Impact Clips.....	1.52	0.46
For Ceilings >10' High, Add	0.05	

09 60 Flooring (09)

09 61 Flooring Treatment (09 60)

09 61 13 Slip-Resistant Flooring Treatment (09 61)

09 61 13 00-0001 Anti-Slip Tape (09 61 13)

Note: Grit sandpaper surface with adhesive back.		
09 61 13 00-0002 LF 1" Anti-Slip Tape.....	1.56	1.17
09 61 13 00-0003 LF 2" Anti-Slip Tape.....	1.96	1.28
09 61 13 00-0004 LF 3" Anti-Slip Tape.....	2.38	1.41

09	09	Finishes
	09 60	Flooring
	09 61	Flooring Treatment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 61 13 00-0005 LF 4" Anti-Slip Tape	2.76	1.55
09 61 13 00-0006 LF 6" Anti-Slip Tape	3.54	1.71
09 61 13 00-0007 LF 12" Anti-Slip Tape	6.20	2.56
09 61 13 00-0008 LF 24" Anti-Slip Tape	8.77	3.85

09 64 Wood Flooring (09 60)

09 64 13 Wood Flooring Underlayment (09 64)

09 64 13 00-0001 Wood Flooring Underlayment (09 64 13)

09 64 13 00-0002 SF Regular Weight Red Rosin Paper, Wood Flooring Underlayment	0.29	
09 64 13 00-0003 SF Heavy Weight Red Rosin Paper, Wood Flooring Underlayment	0.29	
09 64 13 00-0004 SF 30 LB, Waxed Paper, Wood Flooring Underlayment	0.30	
09 64 13 00-0005 SF 15 LB, Asphalt Saturated Organic Felt, Wood Flooring Underlayment	0.32	
09 64 13 00-0006 SF 6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.31	
09 64 13 00-0007 SF 8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.33	
09 64 13 00-0008 SF 1/8" Thick, Natural Cork, Wood Flooring Underlayment	1.24	
09 64 13 00-0009 SF 1/4" Thick, Natural Cork, Wood Flooring Underlayment	1.30	
09 64 13 00-0010 SF 3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15)	0.48	
09 64 13 00-0011 SF 2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180)	0.59	
09 64 13 00-0012 SF 4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193)	0.63	
09 64 13 00-0013 SF 2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026)	0.76	
09 64 13 00-0014 SF 1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105)	0.77	

09 64 66 Wood Athletic Flooring (09 64)

Note: On shims, sleepers and/or screeds. 1-1/2" or 2-1/4" widths. Excludes finish.

09 64 66 00-0001 Wood Gym/Stage/Dance Floors (09 64 66)

Note: Includes sanding and vent cove base. Excludes concrete repairs to subbase, thresholds, and finishing.

09 64 66 00-0002 SF 25/32" Maple Wood Gym/Stage/Dance Floor	8.66	2.92
For Oak Or Birch, Deduct	-0.20	
For Pine, Deduct	-0.30	
For #1 Grade Material, Add	0.50	
09 64 66 00-0003 SF Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion)	11.61	3.79
Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads.		
For Oak Or Birch, Deduct	-0.20	
For Pine, Deduct	-0.30	
For #1 Grade Material, Add	0.50	
09 64 66 00-0004 SF Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok)	12.34	3.79
Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads.		
For Oak Or Birch, Deduct	-0.20	
For Pine, Deduct	-0.30	
For #1 Grade Material, Add	0.50	
09 64 66 00-0005 SF Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex)	13.95	3.79
Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper.		
For Oak Or Birch, Deduct	-0.20	
For Pine, Deduct	-0.30	
For #1 Grade Material, Add	0.50	
09 64 66 00-0006 SF Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus)	13.23	3.79
Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips.		
For Oak Or Birch, Deduct	-0.20	
For Pine, Deduct	-0.30	
For #1 Grade Material, Add	0.50	
09 64 66 00-0007 SF Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock)	14.82	3.79
Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel.		
For Oak Or Birch, Deduct	-0.20	
For Pine, Deduct	-0.30	
For #1 Grade Material, Add	0.50	

09 65 Resilient Flooring (09 60)

See CSI section 03 54 16 00-0001 for self leveling underlayment for uneven floors.

09 65 13 Resilient Base And Accessories (09 65)

09 65 13 13 Resilient Base (09 65 13)

09 65 13 13-0001 Vinyl Plastic Wall Base (09 65 13 13)

Note: Includes inside and outside premolded corners.

09 65 13 13-0002 LF 4" High, 1/8" Vinyl Plastic Base, All Colors	1.93	0.57
09 65 13 13-0003 LF 6" High, 1/8" Vinyl Plastic Base, All Colors	2.70	0.69

09 65 13 13-0004 1/8" Thick Rubber Wall Base (09 65 13 13)



Finishes	09	09
Flooring	09 60	
Resilient Flooring	09 65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 13-0005 LF 4" High, 1/8" Rubber Base, Group 1 Black, Russet And Umber	1.97	0.69
09 65 13 13-0006 LF 6" High, 1/8" Rubber Base, Group 1 Black, Russet And Umber	2.16	0.69
09 65 13 13-0007 LF 4" High, 1/8" Rubber Base, Group 2 All (Except White).....	2.04	0.69
09 65 13 13-0008 LF 6" High, 1/8" Rubber Base, Group 2 All (Except White).....	2.30	0.69
09 65 13 13-0009 LF 4" High, 1/8" Rubber Base, Group 3 White Only.....	1.92	0.69
09 65 13 13-0010 LF 6" High, 1/8" Rubber Base, Group 3 Only.....	2.18	0.69
09 65 13 13-0011 EA 4" High, 1/8" Rubber Corner	2.52	0.69
09 65 13 13-0012 EA 6" High, 1/8" Rubber Corner	2.81	0.69
09 65 13 23 Resilient Stair Treads And Risers (09 65 13)		
Note: All treads have integral nosing. Abrasive strip modifiers include either 1 or 2 strips running the length of the tread. All colors.		
09 65 13 23-0001 Rubber Stair Treads and Risers (09 65 13 23)		
09 65 13 23-0002 Raised Disc Or Other Patterned Rubber Stair Tread (09 65 13 23-0001)		
09 65 13 23-0003 LF 3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	11.86	0.92
Note: Raised disc or other pattern.		
For Abrasive Strip, Add		
	2.75	
For Photo Luminescent Abrasive Strip, Add		
	3.75	
09 65 13 23-0004 LF 1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	12.73	0.99
Note: Raised disc or other pattern.		
For Abrasive Strip, Add		
	2.75	
For Photo Luminescent Abrasive Strip, Add		
	3.75	
09 65 13 23-0005 LF 5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	15.86	1.06
Note: Raised disc or other pattern.		
For Abrasive Strip, Add		
	2.75	
For Photo Luminescent Abrasive Strip, Add		
	3.75	
09 65 13 23-0006 Smooth Surface Rubber Stair Tread (09 65 13 23-0001)		
09 65 13 23-0007 LF 3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	11.02	0.92
Note: Smooth surface.		
For Abrasive Strip, Add		
	2.75	
For Photo Luminescent Abrasive Strip, Add		
	3.75	
09 65 13 23-0008 LF 1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	11.77	0.99
Note: Smooth surface.		
For Abrasive Strip, Add		
	2.75	
For Photo Luminescent Abrasive Strip, Add		
	3.75	
09 65 13 23-0009 LF 5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	14.63	1.06
Note: Smooth surface.		
For Abrasive Strip, Add		
	2.75	
For Photo Luminescent Abrasive Strip, Add		
	3.75	
09 65 13 23-0010 Smooth Surface Rubber Stair Riser (09 65 13 23-0001)		
09 65 13 23-0011 LF 1/8" Thick, Smooth Surface Rubber Stair Riser	6.42	0.55
09 65 13 23-0012 Smooth, Raised Disc or Other Patterned Rubber Landing Mats (09 65 13 23-0001)		
09 65 13 23-0013 SF 1/8" Thick, Rubber Landing Mats.....	13.10	0.85
Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0014 SF 3/16" Thick, Rubber Landing Mats.....	15.72	0.92
Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0015 SF 7/32" Thick, Rubber Landing Mats.....	17.04	1.03
Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0016 Vinyl Stair Treads and Risers (09 65 13 23)		
09 65 13 23-0017 Ribbed Vinyl Stair Tread (09 65 13 23-0016)		
09 65 13 23-0018 LF 1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	8.78	0.84
For Abrasive Strip, Add		
	2.75	
09 65 13 23-0019 LF 3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	9.71	0.92
For Abrasive Strip, Add		
	2.75	
09 65 13 23-0020 LF 1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	11.76	0.99
For Abrasive Strip, Add		
	2.75	
09 65 13 23-0021 Smooth Surface Vinyl Stair Riser (09 65 13 23-0016)		
09 65 13 23-0022 LF 1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser	4.83	0.55
09 65 13 33 Resilient Accessories (09 65 13)		
09 65 13 33-0001 Flexible Self Leveling Cementitious Underlayments (09 65 13 33)		
09 65 13 33-0002 SF 1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	0.87	0.46
09 65 13 33-0003 SF 1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	1.36	0.46
09 65 13 33-0004 Concrete Floor Prep (09 65 13 33)		

09	09 Finishes
	09 60 Flooring
	09 65 Resilient Flooring



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 65 13 33-0005 SF Removal Of Glue From Concrete Floor0.57
 Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.

09 65 13 36 Resilient Carpet Transitions (09 65 13)

09 65 13 36-0001 Vinyl Transition Strip (09 65 13 36)
 09 65 13 36-0002 LF Vinyl Transition Strip, Brown Or Black1.17 0.41
 09 65 13 36-0003 LF Vinyl Floor Tile Reducer Strip, Brown Or Black1.04 0.41
 09 65 13 36-0004 LF Vinyl Floor Tile Feature Strip, Brown Or Black0.89 0.41

09 65 13 36-0005 Vinyl, Wheeled Traffic Transitions (09 65 13 36)

09 65 13 36-0006 LF 1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A)1.91 0.57
For Up To 100, Add 0.14
For Up To 20, Add 0.65
For >20 To 40, Add 0.38
 09 65 13 36-0007 LF 1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C)1.91 0.57
For Up To 100, Add 0.14
For Up To 20, Add 0.65
For >20 To 40, Add 0.38
 09 65 13 36-0008 LF 5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D)2.35 0.57
For Up To 100, Add 0.16
For Up To 20, Add 0.72
For >20 To 40, Add 0.42
 09 65 13 36-0009 LF 1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H)3.91 0.57
For Up To 100, Add 0.24
For Up To 20, Add 0.95
For >20 To 40, Add 0.58
 09 65 13 36-0010 LF 1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL)3.92 0.57
For Up To 100, Add 0.24
For Up To 20, Add 0.96
For >20 To 40, Add 0.58
 09 65 13 36-0011 LF 1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT)2.58 0.57
For Up To 100, Add 0.18
For Up To 20, Add 0.76
For >20 To 40, Add 0.44
 09 65 13 36-0012 LF 1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J)3.81 0.57
For Up To 100, Add 0.24
For Up To 20, Add 0.94
For >20 To 40, Add 0.57
 09 65 13 36-0013 LF 1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL)3.95 0.57
For Up To 100, Add 0.24
For Up To 20, Add 0.96
For >20 To 40, Add 0.58
 09 65 13 36-0014 LF 3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K)3.32 0.57
For Up To 100, Add 0.21
For Up To 20, Add 0.87
For >20 To 40, Add 0.52
 09 65 13 36-0015 LF 3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L)3.63 0.57
For Up To 100, Add 0.23
For Up To 20, Add 0.91
For >20 To 40, Add 0.55
 09 65 13 36-0016 LF 1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M)3.95 0.57
For Up To 100, Add 0.24
For Up To 20, Add 0.96
For >20 To 40, Add 0.58
 09 65 13 36-0017 LF 1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N)3.26 0.57
For Up To 100, Add 0.21
For Up To 20, Add 0.86
For >20 To 40, Add 0.51
 09 65 13 36-0018 LF 3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P)2.75 0.57
For Up To 100, Add 0.18
For Up To 20, Add 0.78
For >20 To 40, Add 0.46
 09 65 13 36-0019 LF 3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL)4.06 0.57
For Up To 100, Add 0.25
For Up To 20, Add 0.98
For >20 To 40, Add 0.59
 09 65 13 36-0020 LF 1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q)5.24 0.57
For Up To 100, Add 0.31
For Up To 20, Add 1.15
For >20 To 40, Add 0.71
 09 65 13 36-0021 LF 0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X)2.67 0.57
For Up To 100, Add 0.18
For Up To 20, Add 0.77
For >20 To 40, Add 0.45
 09 65 13 36-0022 LF 0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y)2.71 0.57
For Up To 100, Add 0.18
For Up To 20, Add 0.77
For >20 To 40, Add 0.46



Finishes	09	
Flooring	09 60	09
Resilient Flooring	09 65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0023	LF		0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z).....	3.08	0.57
			<i>For Up To 100, Add</i>	<i>0.20</i>	
			<i>For Up To 20, Add</i>	<i>0.83</i>	
			<i>For >20 To 40, Add</i>	<i>0.49</i>	
09 65 16 Resilient Sheet Flooring (09 65)					
09 65 16 23 Vinyl Sheet Flooring (09 65 16)					
09 65 16 23-0001 Vinyl Sheet Flooring (09 65 16 23)					
Note: For flash cove application, add additional square foot of material to form cove base.					
09 65 16 23-0002	SF		0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medintech®).....	5.56	0.34
			<i>For Up To 40, Add</i>	<i>2.04</i>	
			<i>For >40 To 100, Add</i>	<i>1.02</i>	
			<i>For >1,000, Deduct</i>	<i>-0.49</i>	
09 65 16 23-0003	SF		0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medley™).....	4.52	0.34
			<i>For Up To 40, Add</i>	<i>1.83</i>	
			<i>For >40 To 100, Add</i>	<i>0.91</i>	
			<i>For >1,000, Deduct</i>	<i>-0.38</i>	
09 65 16 23-0004	SF		0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Connection Corlon®).....	2.91	0.34
			<i>For Up To 40, Add</i>	<i>1.51</i>	
			<i>For >40 To 100, Add</i>	<i>0.75</i>	
			<i>For >1,000, Deduct</i>	<i>-0.22</i>	
09 65 16 23-0005	SF		0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Possibilities® Petit Point™).....	3.81	0.34
			<i>For Up To 40, Add</i>	<i>1.69</i>	
			<i>For >40 To 100, Add</i>	<i>0.84</i>	
			<i>For >1,000, Deduct</i>	<i>-0.31</i>	
09 65 16 23-0006	SF		0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring (Armstrong® Medintech Tandem®).....	5.14	0.34
			<i>For Up To 40, Add</i>	<i>1.95</i>	
			<i>For >40 To 100, Add</i>	<i>0.98</i>	
			<i>For >1,000, Deduct</i>	<i>-0.44</i>	
09 65 16 23-0007	SF		0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring (Armstrong® Safeguard®).....	7.15	0.34
			<i>For Up To 40, Add</i>	<i>2.35</i>	
			<i>For >40 To 100, Add</i>	<i>1.18</i>	
			<i>For >1,000, Deduct</i>	<i>-0.64</i>	
09 65 16 23-0008 Heat Welding Vinyl Sheet Flooring Seams (09 65 16 23)					
Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.					
09 65 16 23-0009	LF		Heat Weld Non-Patterned Vinyl Sheet Flooring Seams.....	3.28	
09 65 16 23-0010	LF		Heat Weld Patterned Vinyl Sheet Flooring Seams.....	3.50	
09 65 16 23-0011 Forming Vinyl Sheet Flooring Inside/Outside Cove Corners (09 65 16 23)					
Note: Excludes heat welding.					
09 65 16 23-0012	EA		Forming Vinyl Sheet Flooring Inside/Outside Cove Corners.....	7.66	
09 65 16 23-0013 Vinyl Sheet Flooring Accessories (09 65 16 23)					
09 65 16 23-0014	LF		1/2" Radius Vinyl Cove Filler Strip.....	2.11	
09 65 16 23-0015	LF		1-1/4" Radius Vinyl Cove Filler Strip.....	1.89	
09 65 16 23-0016	LF		1-1/2" Radius Vinyl Cove Filler Strip.....	2.92	
09 65 16 23-0017	LF		1/8" Aluminum Cove Cap.....	1.43	
09 65 19 Resilient Tile Flooring (09 65)					
Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.					
09 65 19 19 Vinyl Composition Tile Flooring (09 65 19)					
09 65 19 19-0001 Vinyl Composition Tile (VCT) (09 65 19 19)					
Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.					
09 65 19 19-0002	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®).....	1.90	0.69
			<i>For Up To 100, Add</i>	<i>0.14</i>	
			<i>For >1,000 To 3,000, Deduct</i>	<i>-0.04</i>	
			<i>For >3,000 To 6,000, Deduct</i>	<i>-0.11</i>	
			<i>For >6,000, Deduct</i>	<i>-0.19</i>	
			<i>For 3/32" Thick, Deduct</i>	<i>-0.11</i>	
			<i>For Extra Stock, Material Only, Deduct</i>	<i>-0.81</i>	
			<i>For Up To 20, Add</i>	<i>0.63</i>	
			<i>For >20 To 40, Add</i>	<i>0.36</i>	

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 19-0003	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™).....	1.90	0.69
			<i>For Up To 100, Add</i>	0.14	
			<i>For >1,000 To 3,000, Deduct</i>	-0.04	
			<i>For >3,000 To 6,000, Deduct</i>	-0.11	
			<i>For >6,000, Deduct</i>	-0.19	
			<i>For Extra Stock, Material Only, Deduct</i>	-0.81	
			<i>For Up To 20, Add</i>	0.63	
			<i>For >20 To 40, Add</i>	0.36	
09 65 19 19-0004	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®).....	1.90	0.69
			<i>For Up To 100, Add</i>	0.14	
			<i>For >1,000 To 3,000, Deduct</i>	-0.04	
			<i>For >3,000 To 6,000, Deduct</i>	-0.11	
			<i>For >6,000, Deduct</i>	-0.19	
			<i>For Extra Stock, Material Only, Deduct</i>	-0.81	
			<i>For Up To 20, Add</i>	0.63	
			<i>For >20 To 40, Add</i>	0.36	
09 65 19 19-0005	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™).....	2.90	0.69
			<i>For Up To 100, Add</i>	0.19	
			<i>For >1,000 To 3,000, Deduct</i>	-0.06	
			<i>For >3,000 To 6,000, Deduct</i>	-0.15	
			<i>For >6,000, Deduct</i>	-0.25	
			<i>For Extra Stock, Material Only, Deduct</i>	-0.81	
			<i>For Up To 20, Add</i>	0.78	
			<i>For >20 To 40, Add</i>	0.46	
09 65 19 19-0006	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®).....	2.91	0.69
			<i>For Up To 100, Add</i>	0.19	
			<i>For >1,000 To 3,000, Deduct</i>	-0.06	
			<i>For >3,000 To 6,000, Deduct</i>	-0.15	
			<i>For >6,000, Deduct</i>	-0.25	
			<i>For Extra Stock, Material Only, Deduct</i>	-0.81	
			<i>For Up To 20, Add</i>	0.78	
			<i>For >20 To 40, Add</i>	0.46	
09 65 19 19-0007	SF		1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®).....	3.10	0.69
			<i>For Up To 100, Add</i>	0.20	
			<i>For >1,000 To 3,000, Deduct</i>	-0.07	
			<i>For >3,000 To 6,000, Deduct</i>	-0.15	
			<i>For >6,000, Deduct</i>	-0.26	
			<i>For Extra Stock, Material Only, Deduct</i>	-0.81	
			<i>For Up To 20, Add</i>	0.81	
			<i>For >20 To 40, Add</i>	0.48	
09 65 19 19-0008	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®).....	3.13	0.69
			<i>For Up To 100, Add</i>	0.20	
			<i>For >1,000 To 3,000, Deduct</i>	-0.07	
			<i>For >3,000 To 6,000, Deduct</i>	-0.15	
			<i>For >6,000, Deduct</i>	-0.26	
			<i>For Extra Stock, Material Only, Deduct</i>	-0.81	
			<i>For Up To 20, Add</i>	0.81	
			<i>For >20 To 40, Add</i>	0.48	
09 65 19 19-0009	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™).....	3.25	0.69
			<i>For Up To 100, Add</i>	0.21	
			<i>For >1,000 To 3,000, Deduct</i>	-0.07	
			<i>For >3,000 To 6,000, Deduct</i>	-0.16	
			<i>For >6,000, Deduct</i>	-0.27	
			<i>For Extra Stock, Material Only, Deduct</i>	-0.81	
			<i>For Up To 20, Add</i>	0.83	
			<i>For >20 To 40, Add</i>	0.50	
09 65 19 19-0010	SF		1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™).....	4.35	0.69
			<i>For Up To 100, Add</i>	0.26	
			<i>For >1,000 To 3,000, Deduct</i>	-0.09	
			<i>For >3,000 To 6,000, Deduct</i>	-0.20	
			<i>For >6,000, Deduct</i>	-0.34	
			<i>For Extra Stock, Material Only, Deduct</i>	-0.81	
			<i>For Up To 20, Add</i>	0.99	
			<i>For >20 To 40, Add</i>	0.61	
09 65 19 19-0011	SF		1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™).....	4.78	0.69
			<i>For Up To 100, Add</i>	0.28	
			<i>For >1,000 To 3,000, Deduct</i>	-0.10	
			<i>For >3,000 To 6,000, Deduct</i>	-0.22	
			<i>For >6,000, Deduct</i>	-0.36	
			<i>For Extra Stock, Material Only, Deduct</i>	-0.81	
			<i>For Up To 20, Add</i>	1.06	
			<i>For >20 To 40, Add</i>	0.65	
09 65 19 19-0012	SF		1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™).....	6.46	0.69
			<i>For Up To 100, Add</i>	0.37	
			<i>For >1,000 To 3,000, Deduct</i>	-0.13	
			<i>For >3,000 To 6,000, Deduct</i>	-0.29	
			<i>For >6,000, Deduct</i>	-0.46	
			<i>For Extra Stock, Material Only, Deduct</i>	-0.81	
			<i>For Up To 20, Add</i>	1.31	
			<i>For >20 To 40, Add</i>	0.82	

09 65 19 23 Vinyl Tile Flooring (09 65 19)

09 65 19 23-0001 Vinyl Tile (09 65 19 23)

Note: Any size.



Finishes	09	09
Flooring	09 60	
Resilient Flooring	09 65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0002 Solid Vinyl Tile (SVT) <small>(09 65 19 23-0001)</small>		
Note: The following solid vinyl tiles are certified to ASTM F 1700.		
09 65 19 23-0003 SF 1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande)	5.25	0.69
For Up To 100, Add	0.32	
For >1,000 To 3,000, Deduct	-0.11	
For >3,000 To 6,000, Deduct	-0.25	
For >6,000, Deduct	-0.42	
09 65 19 23-0004 SF 1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Karim Kolors)	5.40	0.69
For Up To 100, Add	0.33	
For >1,000 To 3,000, Deduct	-0.11	
For >3,000 To 6,000, Deduct	-0.26	
For >6,000, Deduct	-0.43	
For Up To 20, Add	1.28	
For >20 To 40, Add	0.78	
09 65 19 23-0005 SF 1/8" Thick, Slip Retardant, Class 1 Type B, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande SR)	5.50	0.69
For Up To 100, Add	0.33	
For >1,000 To 3,000, Deduct	-0.12	
For >3,000 To 6,000, Deduct	-0.26	
For >6,000, Deduct	-0.44	
09 65 19 23-0006 Luxury Vinyl Tile (LVT) <small>(09 65 19 23-0001)</small>		
09 65 19 23-0007 SF 2.5mm Thick, Luxury Vinyl Tile (LVT) (Mannington Amtico)	7.10	0.69
For Up To 100, Add	0.41	
For >1,000 To 3,000, Deduct	-0.15	
For >3,000 To 6,000, Deduct	-0.33	
For >6,000, Deduct	-0.53	
09 65 19 33 Rubber Tile Flooring <small>(09 65 19)</small>		
09 65 19 33-0001 Rubber Tile <small>(09 65 19 33)</small>		
09 65 19 33-0002 Rubber Tile With Raised Discs, Assorted Colors <small>(09 65 19 33-0001)</small>		
09 65 19 33-0003 SF 1/8" Thick Rubber Tile With Raised Discs	11.48	0.41
Note: Smooth, raised disc or other patterned surface.		
For Up To 100, Add	0.62	
09 65 19 33-0004 SF 3/16" Thick Rubber Tile With Raised Discs	13.94	0.46
Note: Smooth, raised disc or other patterned surface.		
For Up To 100, Add	0.74	
09 65 19 33-0005 SF 7/32" Thick Rubber Tile With Raised Discs	15.47	0.55
Note: Smooth, raised disc or other patterned surface.		
For Up To 100, Add	0.83	
09 65 19 43 Polyester Composition Tile Flooring <small>(09 65 19)</small>		
09 65 19 43-0001 Polyester Composition Floor Tile <small>(09 65 19 43)</small>		
Note: Any size.		
09 65 19 43-0002 SF 1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®)	2.97	0.69
For Up To 100, Add	0.19	
For >1,000 To 3,000, Deduct	-0.06	
For >3,000 To 6,000, Deduct	-0.15	
For >6,000, Deduct	-0.25	
For Extra Stock, Material Only, Deduct	-0.81	
For Up To 20, Add	0.79	
For >20 To 40, Add	0.47	
09 65 19 43-0003 SF 1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®)	3.42	0.69
For Up To 100, Add	0.21	
For >1,000 To 3,000, Deduct	-0.07	
For >3,000 To 6,000, Deduct	-0.17	
For >6,000, Deduct	-0.28	
For Extra Stock, Material Only, Deduct	-0.81	
For Up To 20, Add	0.85	
For >20 To 40, Add	0.51	
09 65 23 Resilient Plank Flooring <small>(09 65)</small>		
09 65 23 00-0001 Vinyl Plank Flooring <small>(09 65 23)</small>		
09 65 23 00-0002 SF 0.110" Overall Thickness, 0.012" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	4.15	0.34
For Up To 40, Add	1.75	
For >40 To 100, Add	0.88	
For >1,000, Deduct	-0.34	
09 65 23 00-0003 SF 0.135" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	5.25	0.34
For Up To 40, Add	1.97	
For >40 To 100, Add	0.99	
For >1,000, Deduct	-0.45	
09 65 23 00-0004 SF 0.16" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	5.94	0.34
For Up To 40, Add	2.11	
For >40 To 100, Add	1.06	
For >1,000, Deduct	-0.52	

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 43 Linoleum Flooring <small>(09 65)</small>		
09 65 43 00-0001 Linoleum Flooring <small>(09 65 43)</small>		
09 65 43 00-0002 SF Linoleum Tile (Forbo Marmoleum Composition Tile, MCT).....	3.49	0.69
09 65 43 00-0003 SF 2.5mm, Linoleum Sheet (Forbo Marmoleum)	2.63	0.34
For 3.2mm Thickness, Add	0.38	
For 2mm Thickness, Deduct	-0.18	
09 65 43 00-0004 LF Heat Weld Linoleum Sheet Flooring Seams	3.28	
Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.		
09 65 66 Resilient Athletic Flooring <small>(09 65)</small>		
09 65 66 00-0001 Interlocking Rubber Flooring <small>(09 65 66)</small>		
09 65 66 00-0002 SF 3/8" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling HL-155)	20.67	0.32
Note: Black with hidden or exposed locks.		
For Colors, Add	2.53	
09 65 66 00-0003 SF 9/16" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling HL-100)	31.91	0.32
Note: Black with hidden or exposed locks.		
For Colors, Add	3.93	
09 65 66 00-0004 SF 7/16" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling PL-100)	18.41	0.32
Note: Black with hidden or exposed locks.		
For Colors, Add	2.24	
09 65 66 00-0005 SF 9/16" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling PL-200)	22.10	0.32
Note: Black with hidden or exposed locks.		
For Colors, Add	2.71	
09 65 66 00-0006 SF 7/16" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling FL-150).....	18.41	0.32
Note: Black with hidden or exposed locks.		
For Colors, Add	2.24	
09 66 Terrazzo Flooring <small>(09 66)</small>		
09 66 13 Portland Cement Terrazzo Flooring <small>(09 66)</small>		
Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.		
09 66 13 00-0001 Floors Bonded To Concrete <small>(09 66 13)</small>		
Note: 1-3/4" Thick - 5/8" topping.		
09 66 13 00-0002 SF Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping	15.45	1.58
For Venetian Type Terrazzo, Add	4.47	
For Abrasive Heavy Duty Terrazzo, Add	4.47	
For Colors, Add	2.24	
For Up To 100, Add	3.50	
For >100 To 250, Add	1.75	
09 66 13 00-0003 SF Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping.....	15.56	1.58
For Venetian Type Terrazzo, Add	4.53	
For Abrasive Heavy Duty Terrazzo, Add	4.53	
For Colors, Add	2.26	
For Up To 100, Add	3.51	
For >100 To 250, Add	1.75	
09 66 13 00-0004 Floors Not Bonded To Concrete <small>(09 66 13)</small>		
Note: 3" Thick - 5/8" topping and 1/4" sand cushion.		
09 66 13 00-0005 SF Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion.....	19.31	1.58
For Venetian Type Terrazzo, Add	5.42	
For Abrasive Heavy Duty Terrazzo, Add	5.42	
For Colors, Add	2.71	
For Up To 100, Add	4.47	
For >100 To 250, Add	2.24	
09 66 13 00-0006 SF Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	19.41	1.58
For Venetian Type Terrazzo, Add	5.47	
For Abrasive Heavy Duty Terrazzo, Add	5.47	
For Colors, Add	2.74	
For Up To 100, Add	4.48	
For >100 To 250, Add	2.24	
09 66 13 00-0007 Monolithic Terrazzo <small>(09 66 13)</small>		
09 66 13 00-0008 SF Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4'-5' Square Panels Topping (Including Mesh And Felt)	10.96	1.58
For Venetian Type Terrazzo, Add	3.95	
For Abrasive Heavy Duty Terrazzo, Add	3.95	
For Colors, Add	1.97	
For Up To 100, Add	2.02	
For >100 To 250, Add	1.01	
09 66 13 00-0009 Terrazzo Wainscot <small>(09 66 13)</small>		
09 66 13 00-0010 SF Terrazzo Wainscot Cast In Place 1-1/2" Thick Bonded To Concrete Or Masonry 1-1/2" Thick	19.88	2.12
For Venetian Type Terrazzo, Add	2.90	



Finishes	09	
Flooring	09 60	09
Terrazzo Flooring	09 66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 13 00-0011 Terrazzo Base <small>(09 66 13)</small>		
09 66 13 00-0012 SF Terrazzo Base, Cast In Place, 6" Cove Type..... <i>For Venetian Type Terrazzo, Add</i>	20.50 6.32	1.42
09 66 13 00-0013 Terrazzo Curb <small>(09 66 13)</small>		
09 66 13 00-0014 LF 6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces <i>For Venetian Type Terrazzo, Add</i>	48.31 8.42	9.44
09 66 13 00-0015 Stairs Cast In Place <small>(09 66 13)</small>		
Note: Topping applied to concrete or metal.		
09 66 13 00-0016 LF Cast In Place Terrazzo Stair, 1-1/2" Thick x 12" Wide, Applied To Concrete Or Metal..... <i>For Each SF Of Abrasive Surface Finish, Add</i> <i>For Each LF Of Embedded Abrasive Strips, Add</i> <i>For Each LF Of Abrasive Metal Nosing, Add</i> <i>For Each SF Of Landings, Add</i>	20.11 0.35 0.56 3.90 1.50	3.17
09 66 13 00-0017 LF Cast In Place Terrazzo Stair Tread And Riser, Applied To Concrete Or Metal..... <i>For Each SF Of Abrasive Surface Finish, Add</i> <i>For Each LF Of Embedded Abrasive Strips, Add</i> <i>For Each LF Of Abrasive Metal Nosing, Add</i> <i>For Each SF Of Landings, Add</i>	49.55 0.35 0.56 3.90 1.50	10.57
09 66 13 00-0018 SF Cast In Place Terrazzo Stair Stringer And Fascia, Applied To Concrete Or Metal <i>For Each SF Of Abrasive Surface Finish, Add</i> <i>For Each LF Of Embedded Abrasive Strips, Add</i> <i>For Each LF Of Abrasive Metal Nosing, Add</i> <i>For Each SF Of Landings, Add</i>	20.43 0.35 0.56 3.90 1.50	3.17
09 66 13 00-0019 Divider Strips <small>(09 66 13)</small>		
09 66 13 00-0020 LF 1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip.....	3.19	0.53
09 66 13 00-0021 LF 1-1/4" Deep, 14 Gauge, Brass, Divider Strip	2.64	0.53
09 66 13 00-0022 LF 1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip	4.97	0.53
09 66 13 00-0023 LF 1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip	7.41	0.53
09 66 13 00-0024 LF 1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors.....	3.04	0.53
09 66 13 00-0025 LF 1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors.....	4.58	0.53
09 66 13 00-0026 LF Vinyl Plastic, Divider Strip For Floor	2.97	0.53
09 66 16 Terrazzo Floor Tile <small>(09 66)</small>		
09 66 16 00-0001 Flooring Tiles <small>(09 66 16)</small>		
Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".		
09 66 16 00-0002 Terrazzo Tiles With Non Slip Surface <small>(09 66 16 00-0001)</small>		
09 66 16 00-0003 SF 9" x 9" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	17.97 0.36 2.00	1.59
09 66 16 00-0004 SF 12" x 12" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	18.43 0.36 2.00	1.59
09 66 16 00-0005 SF 12" x 12" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	21.40 0.36 2.00	1.59
09 66 16 00-0006 SF 18" x 18" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	23.01 0.36 2.00	1.59
09 66 16 00-0007 SF 24" x 24" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	24.21 0.36 2.00	1.59
09 66 16 00-0008 Terrazzo Tile Thin Set <small>(09 66 16 00-0001)</small>		
09 66 16 00-0009 SF Precast Terrazzo, 1/4"-1/2" Chips Floor Tiles, Thin Set Gray Cement Bed <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	17.84 0.36 2.00	1.59
09 66 16 00-0010 SF Precast Terrazzo, 3/8"-1" Chips Floor Tiles, Thin Set Gray Cement Bed <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	19.07 0.36 2.00	1.59
09 66 16 00-0011 Thin Set Terrazzo Wainscot <small>(09 66 16 00-0001)</small>		
09 66 16 00-0012 SF 12" x 12" x 1" Terrazzo Tile Wainscot Thin Set..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	24.94 0.50 1.00	2.84
09 66 16 00-0013 SF 18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	28.32 0.50 1.00	2.84
09 66 16 00-0014 Thin Set Terrazzo Base, Gray Cement <small>(09 66 16 00-0001)</small>		

09 Finishes**09 60 Flooring****09 66 Terrazzo Flooring**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 00-0015 LF 6" High, Straight Terrazzo Base Thin Set, Gray Cement <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	8.51 0.50 1.00	1.42
09 66 16 00-0016 LF 6" High, Cove Terrazzo Base Thin Set, Gray Cement <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	9.65 0.50 1.00	1.42
09 66 16 00-0017 LF 8" High, Straight Terrazzo Base Thin Set, Gray Cement <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	10.01 0.50 1.00	1.42
09 66 16 00-0018 LF 8" High, Cove Terrazzo Base Thin Set, Gray Cement <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	10.59 0.50 1.00	1.42
09 66 16 00-0019 Terrazzo Curbs (09 66 16 00-0001)		
09 66 16 00-0020 LF 8" x 8" Curb, Terrazzo Tile..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	16.23 0.50 1.00	1.89
09 66 16 00-0021 LF 6" x 6" Curb, Terrazzo Tile..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	15.66 0.50 1.00	1.89
09 66 16 00-0022 Precast Terrazzo Stair Treads 12" Wide (09 66 16 00-0001)		
09 66 16 00-0023 LF 1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern.....	44.27	1.89
09 66 16 00-0024 LF 1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non Slip Surface.....	37.40	1.89
09 66 16 00-0025 LF 2" Precast Terrazzo Straight Stair Tread.....	32.82	1.89
09 66 16 00-0026 LF 2" Precast Terrazzo Curved Stair Tread.....	38.59	1.89
09 66 16 00-0027 Stair Risers, 1" Thick To 6" High, Straight (09 66 16 00-0001)		
09 66 16 00-0028 LF 1"-6" High Precast Terrazzo Stair Riser Straight Section, Thin Set.....	19.63	1.42
09 66 16 00-0029 LF 1"-6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set.....	23.07	1.42
09 66 16 00-0030 Stair Risers, 1" Thick To 6" High, Curved (09 66 16 00-0001)		
09 66 16 00-0031 LF 1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set.....	29.42	1.42
09 66 16 00-0032 LF 1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set.....	31.71	1.42
09 66 16 00-0033 Tread And Riser (09 66 16)		
09 66 16 00-0034 Stair Stringers, Notched For Treads And Risers (09 66 16 00-0033)		
09 66 16 00-0035 LF 1" Precast Terrazzo Stair Stringers Notched For Treads And Risers.....	48.74	3.77
09 66 16 00-0036 LF 2" Precast Terrazzo Stair Stringers Notched For Treads And Risers.....	58.99	3.77
09 66 16 00-0037 Structural Non-Slip Landings (09 66 16 00-0033)		
09 66 16 00-0038 SF 1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non Slip.....	35.31	1.89
09 66 16 00-0039 SF 3" Thick Precast Terrazzo Stair Landing Structural, Non Slip.....	43.82	1.89
09 66 16 00-0040 Combined Tread And Riser (09 66 16 00-0033)		
09 66 16 00-0041 Straight Sections (09 66 16 00-0040)		
09 66 16 00-0042 LF Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section.....	78.61	3.77
09 66 16 00-0043 LF Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section.....	94.64	3.77
09 66 16 00-0044 Curved Sections (09 66 16 00-0040)		
09 66 16 00-0045 LF Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section.....	99.28	3.77
09 66 16 00-0046 LF Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section.....	126.75	3.77
09 66 33 Conductive Terrazzo Flooring (09 66)		
Note: For anti-static areas.		
09 66 33 13 Conductive Epoxy-Resin Terrazzo (09 66 33)		
09 66 33 13-0001 SF Terrazzo, Epoxy System, Floor Sparkproof, Conductive, Industrial.....	15.39	2.36
09 66 33 13-0002 SF Terrazzo, Epoxy System, Base Sparkproof, Conductive, Industrial.....	28.53	2.36
09 66 33 16 Conductive Polyester-Resin Terrazzo Flooring (09 66 33)		
09 66 33 16-0001 SF Terrazzo, Polyester System, Floor Sparkproof, Conductive, Industrial.....	11.67	2.36
09 66 33 16-0002 SF Terrazzo, Polyester System, Base Sparkproof, Conductive, Industrial.....	20.71	2.36
09 66 33 19 Conductive Plastic-Matrix Terrazzo Flooring (09 66 33)		
09 66 33 19-0001 SF Terrazzo, Polyacrylate System, Floor Sparkproof, Conductive, Industrial.....	12.98	2.36
09 66 33 19-0002 SF Terrazzo, Polyacrylate System, Base Sparkproof, Conductive, Industrial.....	25.56	2.36
09 66 33 19-0003 SF Terrazzo, Synthetic Latex Mastic System, Floor Sparkproof, Conductive, Industrial.....	19.29	2.36



Finishes	09	09
Flooring	09 60	
Terrazzo Flooring	09 66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 33 19-0004 SF Terrazzo, Synthetic Latex Mastic System, Base Sparkproof, Conductive, Industrial.....	21.66	2.36
09 68 Carpeting <small>(09 60)</small>		
Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.		
09 68 13 Tile Carpeting <small>(09 68)</small>		
09 68 13 00-0001 Tufted Carpet Tiles <small>(09 68 13)</small>		
Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue or peel and stick backing.		
09 68 13 00-0002 Non-Patterned Carpet Tiles <small>(09 68 13 00-0001)</small>		
09 68 13 00-0003 SY 18 Ounce, Non Patterned, Nylon Carpet Tile.....	36.46	2.76
For >200 To 400, Deduct	-0.59	
For >400 To 600, Deduct	-0.89	
For >600 To 900, Deduct	-1.59	
For >900 To 1,500, Deduct	-2.28	
For >1,500 To 2,200, Deduct	-3.31	
For >2,200 To 3,500, Deduct	-4.22	
For >3,500, Deduct	-5.13	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0004 SY 20 Ounce, Non Patterned, Nylon Carpet Tile.....	38.26	2.76
For >200 To 400, Deduct	-0.63	
For >400 To 600, Deduct	-0.95	
For >600 To 900, Deduct	-1.68	
For >900 To 1,500, Deduct	-2.41	
For >1,500 To 2,200, Deduct	-3.49	
For >2,200 To 3,500, Deduct	-4.44	
For >3,500, Deduct	-5.40	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0005 SY 22 Ounce, Non Patterned, Nylon Carpet Tile.....	43.98	2.76
For >200 To 400, Deduct	-0.74	
For >400 To 600, Deduct	-1.12	
For >600 To 900, Deduct	-1.96	
For >900 To 1,500, Deduct	-2.81	
For >1,500 To 2,200, Deduct	-4.06	
For >2,200 To 3,500, Deduct	-5.16	
For >3,500, Deduct	-6.26	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0006 SY 24 Ounce, Non Patterned, Nylon Carpet Tile.....	49.55	2.76
For >200 To 400, Deduct	-0.86	
For >400 To 600, Deduct	-1.28	
For >600 To 900, Deduct	-2.24	
For >900 To 1,500, Deduct	-3.20	
For >1,500 To 2,200, Deduct	-4.62	
For >2,200 To 3,500, Deduct	-5.86	
For >3,500, Deduct	-7.09	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0007 SY 26 Ounce, Non Patterned, Nylon Carpet Tile.....	52.81	2.76
For >200 To 400, Deduct	-0.92	
For >400 To 600, Deduct	-1.38	
For >600 To 900, Deduct	-2.40	
For >900 To 1,500, Deduct	-3.43	
For >1,500 To 2,200, Deduct	-4.94	
For >2,200 To 3,500, Deduct	-6.26	
For >3,500, Deduct	-7.58	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0008 SY 28 Ounce, Non Patterned, Nylon Carpet Tile.....	56.15	2.76
For >200 To 400, Deduct	-0.99	
For >400 To 600, Deduct	-1.48	
For >600 To 900, Deduct	-2.57	
For >900 To 1,500, Deduct	-3.66	
For >1,500 To 2,200, Deduct	-5.28	
For >2,200 To 3,500, Deduct	-6.68	
For >3,500, Deduct	-8.08	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0009 SY 30 Ounce, Non Patterned, Nylon Carpet Tile.....	57.14	2.76
For >200 To 400, Deduct	-1.01	
For >400 To 600, Deduct	-1.51	
For >600 To 900, Deduct	-2.62	
For >900 To 1,500, Deduct	-3.73	
For >1,500 To 2,200, Deduct	-5.38	
For >2,200 To 3,500, Deduct	-6.80	
For >3,500, Deduct	-8.23	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0010 SY 32 Ounce, Non Patterned, Nylon Carpet Tile.....	57.76	2.76
For >200 To 400, Deduct	-1.02	
For >400 To 600, Deduct	-1.53	
For >600 To 900, Deduct	-2.65	
For >900 To 1,500, Deduct	-3.77	
For >1,500 To 2,200, Deduct	-5.44	
For >2,200 To 3,500, Deduct	-6.88	
For >3,500, Deduct	-8.33	
For Cushion Backed Tile, Add	4.90	

09 Finishes**09 60 Flooring**

09 68 Carpeting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0011	SY		34 Ounce, Non Patterned, Nylon Carpet Tile.....	58.28	2.76
			<i>For >200 To 400, Deduct</i>	-1.03	
			<i>For >400 To 600, Deduct</i>	-1.55	
			<i>For >600 To 900, Deduct</i>	-2.68	
			<i>For >900 To 1,500, Deduct</i>	-3.81	
			<i>For >1,500 To 2,200, Deduct</i>	-5.49	
			<i>For >2,200 To 3,500, Deduct</i>	-6.95	
			<i>For >3,500, Deduct</i>	-8.40	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68 13 00-0012	SY		36 Ounce, Non Patterned, Nylon Carpet Tile.....	60.06	2.76
			<i>For >200 To 400, Deduct</i>	-1.07	
			<i>For >400 To 600, Deduct</i>	-1.60	
			<i>For >600 To 900, Deduct</i>	-2.77	
			<i>For >900 To 1,500, Deduct</i>	-3.93	
			<i>For >1,500 To 2,200, Deduct</i>	-5.67	
			<i>For >2,200 To 3,500, Deduct</i>	-7.17	
			<i>For >3,500, Deduct</i>	-8.67	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68 13 00-0013	SY		38 Ounce, Non Patterned, Nylon Carpet Tile.....	63.59	2.76
			<i>For >200 To 400, Deduct</i>	-1.14	
			<i>For >400 To 600, Deduct</i>	-1.70	
			<i>For >600 To 900, Deduct</i>	-2.94	
			<i>For >900 To 1,500, Deduct</i>	-4.18	
			<i>For >1,500 To 2,200, Deduct</i>	-6.02	
			<i>For >2,200 To 3,500, Deduct</i>	-7.61	
			<i>For >3,500, Deduct</i>	-9.20	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68 13 00-0014	SY		40 Ounce, Non Patterned, Nylon Carpet Tile.....	67.38	2.76
			<i>For >200 To 400, Deduct</i>	-1.21	
			<i>For >400 To 600, Deduct</i>	-1.82	
			<i>For >600 To 900, Deduct</i>	-3.13	
			<i>For >900 To 1,500, Deduct</i>	-4.45	
			<i>For >1,500 To 2,200, Deduct</i>	-6.40	
			<i>For >2,200 To 3,500, Deduct</i>	-8.08	
			<i>For >3,500, Deduct</i>	-9.77	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68 13 00-0015	SY		42 Ounce, Non Patterned, Nylon Carpet Tile.....	74.65	2.76
			<i>For >200 To 400, Deduct</i>	-1.36	
			<i>For >400 To 600, Deduct</i>	-2.04	
			<i>For >600 To 900, Deduct</i>	-3.50	
			<i>For >900 To 1,500, Deduct</i>	-4.96	
			<i>For >1,500 To 2,200, Deduct</i>	-7.13	
			<i>For >2,200 To 3,500, Deduct</i>	-8.99	
			<i>For >3,500, Deduct</i>	-10.86	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68 13 00-0016	SY		Installation Of Owner Provided Non Patterned Carpet Tiles.....	7.02	
09 68 13 00-0017			Patterned Carpet Tiles <small>(09 68 13 00-0001)</small>		
			Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.		
09 68 13 00-0018	SY		18 Ounce, Patterned, Nylon Carpet Tile.....	37.58	2.76
			<i>For >200 To 400, Deduct</i>	-0.60	
			<i>For >400 To 600, Deduct</i>	-0.90	
			<i>For >600 To 900, Deduct</i>	-1.62	
			<i>For >900 To 1,500, Deduct</i>	-2.33	
			<i>For >1,500 To 2,200, Deduct</i>	-3.39	
			<i>For >2,200 To 3,500, Deduct</i>	-4.33	
			<i>For >3,500, Deduct</i>	-5.27	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68 13 00-0019	SY		20 Ounce, Patterned, Nylon Carpet Tile.....	39.41	2.76
			<i>For >200 To 400, Deduct</i>	-0.64	
			<i>For >400 To 600, Deduct</i>	-0.96	
			<i>For >600 To 900, Deduct</i>	-1.71	
			<i>For >900 To 1,500, Deduct</i>	-2.46	
			<i>For >1,500 To 2,200, Deduct</i>	-3.57	
			<i>For >2,200 To 3,500, Deduct</i>	-4.55	
			<i>For >3,500, Deduct</i>	-5.54	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68 13 00-0020	SY		22 Ounce, Patterned, Nylon Carpet Tile.....	45.21	2.76
			<i>For >200 To 400, Deduct</i>	-0.76	
			<i>For >400 To 600, Deduct</i>	-1.13	
			<i>For >600 To 900, Deduct</i>	-2.00	
			<i>For >900 To 1,500, Deduct</i>	-2.87	
			<i>For >1,500 To 2,200, Deduct</i>	-4.15	
			<i>For >2,200 To 3,500, Deduct</i>	-5.28	
			<i>For >3,500, Deduct</i>	-6.41	
			<i>For Cushion Backed Tile, Add</i>	4.90	



	Finishes	09
	Flooring	09 60
	Carpeting	09 68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68	13 00-0021	SY	24 Ounce, Patterned, Nylon Carpet Tile	50.87	2.76
			<i>For >200 To 400, Deduct</i>	-0.87	
			<i>For >400 To 600, Deduct</i>	-1.30	
			<i>For >600 To 900, Deduct</i>	-2.28	
			<i>For >900 To 1,500, Deduct</i>	-3.26	
			<i>For >1,500 To 2,200, Deduct</i>	-4.72	
			<i>For >2,200 To 3,500, Deduct</i>	-5.99	
			<i>For >3,500, Deduct</i>	-7.26	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0022	SY	26 Ounce, Patterned, Nylon Carpet Tile	54.17	2.76
			<i>For >200 To 400, Deduct</i>	-0.93	
			<i>For >400 To 600, Deduct</i>	-1.40	
			<i>For >600 To 900, Deduct</i>	-2.45	
			<i>For >900 To 1,500, Deduct</i>	-3.49	
			<i>For >1,500 To 2,200, Deduct</i>	-5.05	
			<i>For >2,200 To 3,500, Deduct</i>	-6.40	
			<i>For >3,500, Deduct</i>	-7.75	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0023	SY	28 Ounce, Patterned, Nylon Carpet Tile	57.56	2.76
			<i>For >200 To 400, Deduct</i>	-1.00	
			<i>For >400 To 600, Deduct</i>	-1.50	
			<i>For >600 To 900, Deduct</i>	-2.62	
			<i>For >900 To 1,500, Deduct</i>	-3.73	
			<i>For >1,500 To 2,200, Deduct</i>	-5.38	
			<i>For >2,200 To 3,500, Deduct</i>	-6.82	
			<i>For >3,500, Deduct</i>	-8.26	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0024	SY	30 Ounce, Patterned, Nylon Carpet Tile	58.56	2.76
			<i>For >200 To 400, Deduct</i>	-1.02	
			<i>For >400 To 600, Deduct</i>	-1.53	
			<i>For >600 To 900, Deduct</i>	-2.67	
			<i>For >900 To 1,500, Deduct</i>	-3.80	
			<i>For >1,500 To 2,200, Deduct</i>	-5.48	
			<i>For >2,200 To 3,500, Deduct</i>	-6.95	
			<i>For >3,500, Deduct</i>	-8.41	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0025	SY	32 Ounce, Patterned, Nylon Carpet Tile	59.20	2.76
			<i>For >200 To 400, Deduct</i>	-1.04	
			<i>For >400 To 600, Deduct</i>	-1.55	
			<i>For >600 To 900, Deduct</i>	-2.70	
			<i>For >900 To 1,500, Deduct</i>	-3.85	
			<i>For >1,500 To 2,200, Deduct</i>	-5.55	
			<i>For >2,200 To 3,500, Deduct</i>	-7.03	
			<i>For >3,500, Deduct</i>	-8.51	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0026	SY	34 Ounce, Patterned, Nylon Carpet Tile	59.72	2.76
			<i>For >200 To 400, Deduct</i>	-1.05	
			<i>For >400 To 600, Deduct</i>	-1.57	
			<i>For >600 To 900, Deduct</i>	-2.73	
			<i>For >900 To 1,500, Deduct</i>	-3.88	
			<i>For >1,500 To 2,200, Deduct</i>	-5.60	
			<i>For >2,200 To 3,500, Deduct</i>	-7.09	
			<i>For >3,500, Deduct</i>	-8.59	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0027	SY	36 Ounce, Patterned, Nylon Carpet Tile	61.53	2.76
			<i>For >200 To 400, Deduct</i>	-1.08	
			<i>For >400 To 600, Deduct</i>	-1.62	
			<i>For >600 To 900, Deduct</i>	-2.82	
			<i>For >900 To 1,500, Deduct</i>	-4.01	
			<i>For >1,500 To 2,200, Deduct</i>	-5.78	
			<i>For >2,200 To 3,500, Deduct</i>	-7.32	
			<i>For >3,500, Deduct</i>	-8.86	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0028	SY	38 Ounce, Patterned, Nylon Carpet Tile	65.11	2.76
			<i>For >200 To 400, Deduct</i>	-1.15	
			<i>For >400 To 600, Deduct</i>	-1.73	
			<i>For >600 To 900, Deduct</i>	-3.00	
			<i>For >900 To 1,500, Deduct</i>	-4.26	
			<i>For >1,500 To 2,200, Deduct</i>	-6.14	
			<i>For >2,200 To 3,500, Deduct</i>	-7.77	
			<i>For >3,500, Deduct</i>	-9.40	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0029	SY	40 Ounce, Patterned, Nylon Carpet Tile	68.96	2.76
			<i>For >200 To 400, Deduct</i>	-1.23	
			<i>For >400 To 600, Deduct</i>	-1.85	
			<i>For >600 To 900, Deduct</i>	-3.19	
			<i>For >900 To 1,500, Deduct</i>	-4.53	
			<i>For >1,500 To 2,200, Deduct</i>	-6.52	
			<i>For >2,200 To 3,500, Deduct</i>	-8.25	
			<i>For >3,500, Deduct</i>	-9.97	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	4.90	

09	09 Finishes
	09 60 Flooring
	09 68 Carpeting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 68 13 00-0030	SY 42 Ounce, Patterned, Nylon Carpet Tile	76.34	2.76
	<i>For >200 To 400, Deduct</i>	-1.38	
	<i>For >400 To 600, Deduct</i>	-2.07	
	<i>For >600 To 900, Deduct</i>	-3.56	
	<i>For >900 To 1,500, Deduct</i>	-5.05	
	<i>For >1,500 To 2,200, Deduct</i>	-7.26	
	<i>For >2,200 To 3,500, Deduct</i>	-9.17	
	<i>For >3,500, Deduct</i>	-11.08	
	<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
	<i>For Cushion Backed Tile, Add</i>	4.90	
09 68 13 00-0031	SY Installation Of Owner Provided Patterned Carpet Tiles.....	8.00	
09 68 13 00-0032	ESD Static Control Carpet Tiles (StaticSmart Mission Critical Discovery ECO Series) <small>(09 68 13 00-0001)</small>		
	Note: Includes conductive ESD releasable adhesive and grounding clips.		
09 68 13 00-0033	SY 24 Ounce, ESD Static Control, Non-Patterned, Nylon Carpet Tile (StaticSmart Mission Critical Discovery ECO Series)	65.97	2.76
	<i>For >200 To 400, Deduct</i>	-1.17	
	<i>For >400 To 600, Deduct</i>	-1.76	
	<i>For >600 To 900, Deduct</i>	-3.04	
	<i>For >900 To 1,500, Deduct</i>	-4.32	
	<i>For >1,500 To 2,200, Deduct</i>	-6.23	
	<i>For >2,200 To 3,500, Deduct</i>	-7.87	
	<i>For >3,500, Deduct</i>	-9.52	
09 68 16	Sheet Carpeting <small>(09 68)</small>		
	Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.		
09 68 16 00-0001	Carpet Cushion <small>(09 68 16)</small>		
09 68 16 00-0002	Carpet Pads <small>(09 68 16 00-0001)</small>		
09 68 16 00-0003	SY Foam Rubber Carpet Padding	4.90	1.47
09 68 16 00-0004	SY Sponge Rubber Carpet Cushion	4.75	1.47
09 68 16 00-0005	SY Urethane Carpet Cushion 1/4" Thick	4.66	1.47
09 68 16 00-0006	SY Urethane Carpet Cushion 3/8" Thick	5.22	1.47
09 68 16 00-0007	SY 7/16" Thick, Rebonded, 6 LB/CF	4.76	1.47
09 68 16 00-0008	SY 3/8" Thick, Rebonded, 7 LB/CF	5.02	1.47
09 68 16 00-0009	SY 1/2" Thick, Rebonded, 8 LB/CF	5.39	1.47
09 68 16 00-0010	Commercial Broadloom Carpet <small>(09 68 16)</small>		
	Note: Level-loop pile or textured-loop pile broadloom carpet.		
09 68 16 00-0011	Non-Patterned Broadloom Carpet <small>(09 68 16 00-0010)</small>		
09 68 16 00-0012	SY 22 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	31.37	11.31
	<i>For Up To 15, Add</i>	1.51	
	<i>For >15 To 33, Add</i>	0.75	
	<i>For >200 To 400, Deduct</i>	-0.48	
	<i>For >400 To 600, Deduct</i>	-0.71	
	<i>For >600 To 900, Deduct</i>	-1.30	
	<i>For >900, Deduct</i>	-1.89	
	<i>For Moisture Barrier Backing, Add</i>	3.50	
	<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0013	SY 24 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	31.37	11.31
	<i>For Up To 15, Add</i>	1.51	
	<i>For >15 To 33, Add</i>	0.75	
	<i>For >200 To 400, Deduct</i>	-0.48	
	<i>For >400 To 600, Deduct</i>	-0.71	
	<i>For >600 To 900, Deduct</i>	-1.30	
	<i>For >900, Deduct</i>	-1.89	
	<i>For Moisture Barrier Backing, Add</i>	3.50	
	<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0014	SY 26 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	31.37	11.31
	<i>For Up To 15, Add</i>	1.51	
	<i>For >15 To 33, Add</i>	0.75	
	<i>For >200 To 400, Deduct</i>	-0.48	
	<i>For >400 To 600, Deduct</i>	-0.71	
	<i>For >600 To 900, Deduct</i>	-1.30	
	<i>For >900, Deduct</i>	-1.89	
	<i>For Moisture Barrier Backing, Add</i>	3.50	
	<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0015	SY 28 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	34.01	12.26
	<i>For Up To 15, Add</i>	1.63	
	<i>For >15 To 33, Add</i>	0.82	
	<i>For >200 To 400, Deduct</i>	-0.52	
	<i>For >400 To 600, Deduct</i>	-0.78	
	<i>For >600 To 900, Deduct</i>	-1.41	
	<i>For >900, Deduct</i>	-2.05	
	<i>For Moisture Barrier Backing, Add</i>	3.50	
	<i>For Installation On Stairs, Each Riser, Add</i>	6.00	



Finishes	09	09
Flooring	09 60	
Carpeting	09 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0016 SY 30 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	34.74	12.26
For Up To 15, Add	1.63	
For >15 To 33, Add	0.82	
For >200 To 400, Deduct	-0.53	
For >400 To 600, Deduct	-0.80	
For >600 To 900, Deduct	-1.45	
For >900, Deduct	-2.11	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0017 SY 32 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	34.87	12.26
For Up To 15, Add	1.63	
For >15 To 33, Add	0.82	
For >200 To 400, Deduct	-0.53	
For >400 To 600, Deduct	-0.80	
For >600 To 900, Deduct	-1.46	
For >900, Deduct	-2.11	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0018 SY 34 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	38.41	13.20
For Up To 15, Add	1.76	
For >15 To 33, Add	0.88	
For >200 To 400, Deduct	-0.59	
For >400 To 600, Deduct	-0.89	
For >600 To 900, Deduct	-1.61	
For >900, Deduct	-2.34	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0019 SY 36 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet	38.93	13.20
For Up To 15, Add	1.76	
For >15 To 33, Add	0.88	
For >200 To 400, Deduct	-0.60	
For >400 To 600, Deduct	-0.90	
For >600 To 900, Deduct	-1.64	
For >900, Deduct	-2.37	
For Cut Pile Carpet, Add	1.50	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0020 SY 38 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet	39.57	13.20
For Up To 15, Add	1.76	
For >15 To 33, Add	0.88	
For >200 To 400, Deduct	-0.62	
For >400 To 600, Deduct	-0.92	
For >600 To 900, Deduct	-1.67	
For >900, Deduct	-2.42	
For Cut Pile Carpet, Add	1.50	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0021 Patterned Broadloom Carpet <small>(09 68 16 00-0010)</small>		
Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.		
09 68 16 00-0022 SY 22 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	32.49	11.31
For Up To 15, Add	1.66	
For >15 To 33, Add	0.83	
For >200 To 400, Deduct	-0.48	
For >400 To 600, Deduct	-0.73	
For >600 To 900, Deduct	-1.33	
For >900, Deduct	-1.94	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0023 SY 24 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	32.49	11.31
For Up To 15, Add	1.66	
For >15 To 33, Add	0.83	
For >200 To 400, Deduct	-0.48	
For >400 To 600, Deduct	-0.73	
For >600 To 900, Deduct	-1.33	
For >900, Deduct	-1.94	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0024 SY 26 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	32.49	11.31
For Up To 15, Add	1.66	
For >15 To 33, Add	0.83	
For >200 To 400, Deduct	-0.48	
For >400 To 600, Deduct	-0.73	
For >600 To 900, Deduct	-1.33	
For >900, Deduct	-1.94	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	

09	09 Finishes
	09 60 Flooring
	09 68 Carpeting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 68 16 00-0025	SY 28 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	35.22	12.26
	For Up To 15, Add	1.80	
	For >15 To 33, Add	0.90	
	For >200 To 400, Deduct	-0.52	
	For >400 To 600, Deduct	-0.79	
	For >600 To 900, Deduct	-1.45	
	For >900, Deduct	-2.11	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0026	SY 30 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	35.96	12.26
	For Up To 15, Add	1.80	
	For >15 To 33, Add	0.90	
	For >200 To 400, Deduct	-0.54	
	For >400 To 600, Deduct	-0.81	
	For >600 To 900, Deduct	-1.48	
	For >900, Deduct	-2.16	
	For Cut Pile Carpet, Add	1.50	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0027	SY 32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	36.09	12.26
	For Up To 15, Add	1.80	
	For >15 To 33, Add	0.90	
	For >200 To 400, Deduct	-0.54	
	For >400 To 600, Deduct	-0.81	
	For >600 To 900, Deduct	-1.49	
	For >900, Deduct	-2.17	
	For Cut Pile Carpet, Add	1.50	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0028	SY 34 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	39.73	13.20
	For Up To 15, Add	1.94	
	For >15 To 33, Add	0.97	
	For >200 To 400, Deduct	-0.60	
	For >400 To 600, Deduct	-0.90	
	For >600 To 900, Deduct	-1.65	
	For >900, Deduct	-2.39	
	For Cut Pile Carpet, Add	1.50	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0029	SY 36 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	40.27	13.20
	For Up To 15, Add	1.94	
	For >15 To 33, Add	0.97	
	For >200 To 400, Deduct	-0.61	
	For >400 To 600, Deduct	-0.92	
	For >600 To 900, Deduct	-1.67	
	For >900, Deduct	-2.43	
	For Cut Pile Carpet, Add	1.50	
	For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0030	SY 38 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	40.92	13.20
	For Up To 15, Add	1.94	
	For >15 To 33, Add	0.97	
	For >200 To 400, Deduct	-0.62	
	For >400 To 600, Deduct	-0.94	
	For >600 To 900, Deduct	-1.71	
	For >900, Deduct	-2.48	
	For Cut Pile Carpet, Add	1.50	
	For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0031	Indoor/Outdoor Carpet <small>(09 68 16)</small>		
	Note: Includes waterproof glue.		
09 68 16 00-0032	SY Nylon Indoor/Outdoor Carpet.....	25.88	2.95
09 68 16 00-0033	SY Ozite Indoor/Outdoor Carpet.....	20.97	2.95
09 68 16 00-0034	Carpet Accessories <small>(09 68 16)</small>		
09 68 16 00-0035	LF Metal Carpet Saddle Strip, Up To 4" Wide.....	2.59	0.52
09 68 16 00-0036	Removal And Reinstallation Of Carpet And Pad <small>(09 68 16)</small>		
	Note: Includes storage, cleaning and supply materials.		
09 68 16 00-0037	SY Removal And Reinstallation Of Carpet And Pad.....	15.94	
09 68 16 00-0038	Carpeting Support Functions <small>(09 68 16)</small>		
09 68 16 00-0039	Relocate Partitions, Modular Work Stations <small>(09 68 16 00-0038)</small>		
	Note: Includes disassembly and reassembly of work station. Excludes electrical disconnection or reconnection.		
09 68 16 00-0040	EA Relocate Modular Work Station.....	183.39	



		Finishes	09
		Flooring	09 60
		Carpeting	09 68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0041			Installation Of Owner Provided Broadloom Carpet (09 68 16)		
09 68 16 00-0042	SY		Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet.....	6.77	
			Note: Includes adhesive for glue-down or tack strip for padded installations.		
			For Up To 15, Add	1.31	
			For >15 To 33, Add	0.66	
09 68 16 00-0043	SY		>24 To 34 Oz, Installation Of Owner Provided Broadloom Carpet	7.86	
			Note: Includes adhesive for glue-down or tack strip for padded installations.		
			For Up To 15, Add	1.53	
			For >15 To 33, Add	0.77	
09 68 16 00-0044	SY		>34 Oz, Installation Of Owner Provided Broadloom Carpet.....	9.39	
			Note: Includes adhesive for glue-down or tack strip for padded installations.		
			For Up To 15, Add	1.84	
			For >15 To 33, Add	0.92	
09 69			Access Flooring (09 69)		
09 69 13			Rigid-Grid Access Flooring (09 69)		
09 69 13 00-0001			Panels, No Covering (09 69 13)		
09 69 13 00-0002	SF		2' x 2' Panels - No Covering Access And Pedestal Floors.....	9.49	0.52
			For Carpet Covering, Add	2.77	
			For Vinyl Floor Covering, Add	1.91	
09 69 13 00-0003	SF		2' x 2' Perforated Panels Access And Pedestal Floors	17.97	0.52
			For Carpet Covering, Add	2.77	
			For Vinyl Floor Covering, Add	1.91	
09 69 13 00-0004	SF		Tate 1250AS Panel Cover UTP Designer Plus Color Raf Blue 7153T.....	16.73	0.57
09 69 13 00-0005	SF		Tate 1250AS Panel Cover UTP Designer Plus Color Sage Brown 7777T.....	16.73	0.57
09 69 13 00-0006	SF		Tate 1250AS Panel Cover UTP Designer Plus Color Moondance 6808.....	16.73	0.57
09 69 13 00-0007	SF		Tate 1250AS Panel Cover UTP Designer Plus Color Mosaic 6280.....	16.73	0.57
09 69 13 00-0008	SF		Tate 1250AS Panel Cover HPL 1/8" Nevamar ST2-2 Beige Star/Brown Trim.....	15.82	0.57
09 69 13 00-0009	SF		Tate 1250AS Panel Cover HPL 1/8" Nevamar ST6-1 Gray Star/Black Trim.....	15.82	0.57
09 69 13 00-0010	SF		Tate Concore 1500 Panel Cover UTP Designer Plus Color Raf Blue 7153T.....	17.88	0.57
09 69 13 00-0011	SF		Tate Concore 1500 Panel Cover UTP Designer Plus Color Sage Brown 7777T.....	17.88	0.57
09 69 13 00-0012	SF		Tate Concore 1500 Panel Cover UTP Designer Plus Color Moodance 6808.....	17.88	0.57
09 69 13 00-0013	SF		Tate Concore 1500 Panel Cover UTP Designer Plus Color Mosaic 6280.....	17.88	0.57
09 69 13 00-0014	SF		Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST-2 Beige Star/Brown Trim.....	16.96	0.57
09 69 13 00-0015	SF		Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST6-1 Grey Star/Black Trim.....	16.96	0.57
09 69 13 00-0016	SF		Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST2-2 Beige Star Trim.....	21.52	0.57
09 69 13 00-0017	SF		Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST6-1 Gray Star Trim.....	21.52	0.57
09 69 13 00-0018			Pedestals (09 69 13)		
09 69 13 00-0019	EA		6" To 12" Finished Floor Height, Pedestal Assembly.....	20.46	2.62
09 69 13 00-0020	EA		8" To 12" Finished Floor Height, Pedestal Assembly.....	16.37	0.78
09 69 13 00-0021	EA		18" To 24" Finished Floor Height, Pedestal Assembly.....	16.94	0.78
09 69 13 00-0022	EA		30" To 36" Finished Floor Height, Pedestal Assembly.....	19.31	2.62
09 69 13 00-0023			Stringers (09 69 13)		
09 69 13 00-0024	EA		2' Bolted Stringers, Access And Pedestal Floors.....	10.48	3.14
09 69 13 00-0025	EA		4' Bolted Stringers, Access And Pedestal Floors.....	18.24	4.72
09 69 13 00-0026	EA		6' Bolted Stringers, Access And Pedestal Floors.....	28.82	7.86
09 69 13 00-0027			Understructure (09 69 13)		
09 69 13 00-0028	SF		Standard Bolted Stringer Understructure 8" Or 12" Finished Floor Height.....	3.47	0.78
09 69 13 00-0029	SF		Standard Bolted Stringer Understructure 18" Or 24" Finished Floor Height.....	3.75	0.78
09 69 13 00-0030	SF		Standard Bolted Stringer Understructure 30" Or 36" Finished Floor Height.....	4.46	0.78
09 69 53			Access Flooring Accessories (09 69)		
09 69 53 00-0001			Accessories (09 69 53)		
09 69 53 00-0002	SF		Accessories, Ramp Assembly Access And Pedestal Floors.....	21.37	2.10
09 69 53 00-0003	LF		Accessories, Handrail Access And Pedestal Floors	34.48	3.67
09 69 53 00-0004	LF		Accessories, Fascia Plate Access And Pedestal Floors.....	13.92	3.67
09 69 53 00-0005	EA		Machine Cutouts.....	110.31	
09 69 53 00-0006	SF		Tate Tamp, Cover Step Master Slip Retard- Tile, Buckskin Or Slate.....	35.46	
09 69 53 00-0007	LF		Tate 2 Or 3 Riser Steps In Raised Floor System.....	85.09	0.26
			Note: Includes baffles, fascia plates trim and cover.		
09 69 53 00-0008	LF		Tate Handrail.....	67.41	1.73
09 69 53 00-0009	SF		Hammered Aluminum Finish Fascia.....	24.80	1.73
			Note: Includes trim angles and hardware (8", 12", 18", 24").		
09 69 53 00-0010	EA		7" x 17" Lexan Floor Mounted Grille	112.12	6.55
			Note: Includes carpet trim to flush mount.		
09 69 53 00-0011	EA		Cut Hole In Raised Floor And Trim With Black 1/2" Trim Material	25.34	
09 69 53 00-0012	EA		Cut Round Hole In Raised Floor And Trim Carpet Install 4" Plastic Insert (Gromtec#GT003).....	25.34	
09 69 53 00-0013	EA		Rehab Panel (Any Brand, Weight) Carpet Cover Only - New UTP Carpet.....	32.83	1.04
09 69 53 00-0014	EA		Rehab Panel (Any Brand, Weight) Carpet Cover Only - New HPL.....	40.28	1.04
09 69 53 00-0015	EA		Rehab Panel (Any Brand, Weight) HPL Cover Only - With New HPL/WA Edge Trim	30.77	1.04

09	09 Finishes
	09 60 Flooring
	09 69 Access Flooring



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 69 53 00-0016 EA Rehab Panel (Any Brand, Weight) HPL Cover Only - With New HPL Top set Trim Edge	40.27	1.04
09 69 53 00-0017 EA Flush Mounted Electrical Box (Including Cutting Hole Trim Carpet) P/N Telo-7018-4	110.73	6.55
09 69 53 00-0018 EA Flush Mounted Telephone Box (Grey/Black/Communications).....	77.97	6.55
Note: Includes cut hole.		
09 69 53 00-0019 EA Flush Mounted Electrical Box (In Existing Hole) P/N Telo 7018-4	110.73	6.55
09 69 53 00-0020 EA Flush Mounted Telephone Box (Grey/Black/Communications) (In Existing Hole) P/N Telo-7018-2	57.02	1.04
09 69 53 00-0021 EA Remove Flush Mounted Electrical, Telephone Or Communications Floor Box In Raised Floor	5.24	
09 69 53 00-0022 Final Cleaning For Computer Room Raised Floor System (09 69 53)		
Note: Includes wipe dirt/dust from stringers and raised floor beneath raised floor. For new or existing systems.		
09 69 53 00-0023 SF Vacuum Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath Raised Floor	1.83	
09 69 53 00-0024 SF Vacuum/Shampoo Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath.....	1.90	
09 69 53 00-0025 SF Vacuum/Wet Mop Clean Raised Floor HPL Panel Wipe Dirt/Dust Stringers And Raised Floor.....	1.88	
09 70 Wall Finishes (09)		
09 72 Wall Coverings (09 72)		
09 72 13 Cork Wall Coverings (09 72)		
09 72 13 00-0001 Cork Wall Covering (09 72 13)		
09 72 13 00-0002 SF 1/8" Cork Wall Covering.....	2.99	0.45
09 72 13 00-0003 SF 1/4" Cork Wall Covering.....	3.90	0.45
09 72 13 00-0004 SF 1/2" Cork Wall Covering.....	4.63	0.45
09 72 13 00-0005 SF 3/4" Cork Wall Covering.....	6.75	0.45
09 72 16 Vinyl-Coated Fabric Wall Coverings (09 72)		
09 72 16 00-0001 Vinyl Wall Coverings (09 72 16)		
Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 16 00-0002 SF Vinyl Wall Covering, 7-10 Oz/SY	1.20	0.45
For Owner Furnished Material, Deduct	-0.49	
09 72 16 00-0003 SF Vinyl Wall Covering, 11-14 Oz/SY	1.48	0.45
For Owner Furnished Material, Deduct	-0.72	
09 72 16 00-0004 SF Vinyl Wall Covering, 20-25 Oz/SY	1.98	0.45
For Owner Furnished Material, Deduct	-1.03	
09 72 16 00-0005 SF Vinyl Wall Covering, 26-32 Oz/SY	2.25	0.45
For Owner Furnished Material, Deduct	-1.26	
09 72 16 00-0006 SF Vinyl Wall Covering, 33-38 Oz/SY	3.13	0.45
For Owner Furnished Material, Deduct	-2.10	
09 72 19 Textile Wall Coverings (09 72)		
09 72 19 00-0001 Wall Fabrics (09 72 19)		
09 72 19 00-0002 SF Wall Covering, Natural Fabric, Grass Cloth	3.46	0.45
09 72 19 00-0003 SF Wall Covering, Grass Cloth.....	3.83	0.45
09 72 19 00-0004 SF Wall Covering, Burlap	2.84	0.45
09 72 19 00-0005 SF Flexible Gypsum Coated Wall Fabric, Fire Resistant.....	2.61	0.45
09 72 19 00-0006 SF Acoustical Wall Cover	4.03	0.45
09 72 19 00-0007 Natural Fiber Resilient Wallcovering (09 72 19)		
09 72 19 00-0008 SY Sisal Wall Covering - 48 To 54 Oz/SY With Adhesive (4', 8', 12' Widths)	50.21	3.67
For Fire Rated Adhesive, UBC 42-2, Add	0.11	
09 72 23 Wallpapering (09 72)		
09 72 23 00-0001 Wallpaper Coverings (09 72 23)		
Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 23 00-0002 SF Average Quality Wallpaper (Standard Grade)	1.52	0.60
09 72 23 00-0003 SF High Quality Wallpaper (Designer Grade).....	2.67	0.77
09 72 23 00-0004 SF Ceiling Paper	2.15	1.13
09 73 Wall Carpeting (09 70)		
09 73 00 00-0001 Carpet Wall Covering (09 73)		
09 73 00 00-0002 SY Nylon 28 Oz Carpet Wall Covering	25.82	7.86
09 73 00 00-0003 SY Nylon 32 Oz Carpet Wall Covering	26.43	7.86
09 73 00 00-0004 SY Nylon 34 Oz Carpet Wall Covering	28.61	8.65
09 73 00 00-0005 SY Nylon 35 Oz Carpet Wall Covering	30.27	9.17
09 73 00 00-0006 SY Nylon 36 Oz Carpet Wall Covering	31.99	9.69
09 73 00 00-0007 SY Nylon 38 Oz Carpet Wall Covering	32.73	9.69
09 73 00 00-0008 SY Nylon 40 Oz Carpet Wall Covering	34.06	9.95
09 73 00 00-0009 SY Nylon 42 Oz Carpet Wall Covering	35.52	10.22



Finishes	09	
Wall Finishes	09 70	2
Wall Carpeting	09 73	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 74 Flexible Wood Sheets (09 70)		
09 74 16 Flexible Wood Veneers (09 74)		
09 74 16 00-0001 Walnut (09 74 16)		
09 74 16 00-0002 SF Walnut 1/32 In Thick Flexible Wood Veneer.....	6.03	1.82
09 74 16 00-0003 Exotic Wood (09 74 16)		
09 74 16 00-0004 SF Exotic Wood 1/32 Thick, Flexible Wood Veneer.....	8.71	1.82
09 80 Acoustic Treatment (09)		
09 81 Acoustic Insulation (09 81)		
09 81 16 Acoustic Blanket Insulation (09 81)		
09 81 16 00-0001 Sound Attenuation Fire Blankets (SAFB) (09 81 16)		
09 81 16 00-0002 2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB) (09 81 16 00-0001)		
09 81 16 00-0003 SF 1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.02	0.17
09 81 16 00-0004 SF 2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.10	0.17
09 81 16 00-0005 SF 2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.21	0.17
09 81 16 00-0006 SF 3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.30	0.17
09 81 16 00-0007 SF 3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.42	0.17
09 81 16 00-0008 SF 4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.53	0.17
09 81 16 00-0009 SF 5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.67	0.17
09 81 16 00-0010 SF 6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.84	0.17
09 81 16 00-0011 4 PCF Density, Sound Attenuation Fire Blankets (SAFB) (09 81 16 00-0001)		
09 81 16 00-0012 SF 1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.00	0.17
09 81 16 00-0013 Sound Attenuation Batts (09 81 16)		
Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.		
09 81 16 00-0014 SF 2-1/2" Thick, Unfaced Sound Attenuation Batt.....	0.63	0.23
09 81 16 00-0015 SF 3-1/2" Thick, Unfaced Sound Attenuation Batt.....	0.68	0.23
09 81 16 00-0016 SF 3-1/2" Thick, Kraft Faced Sound Attenuation Batt	0.70	0.23
09 81 16 00-0017 SF 5-1/2" Thick, Unfaced Sound Attenuation Batt.....	0.79	0.23
09 81 16 00-0018 SF 5-1/2" Thick, Kraft Faced Sound Attenuation Batt	0.81	0.23
09 81 16 00-0019 SF 6-1/4" Thick, Unfaced Sound Attenuation Batt.....	0.81	0.23
09 81 16 00-0020 SF 6-1/4" Thick, Kraft Faced Sound Attenuation Batt	0.84	0.23
09 84 Acoustic Room Components (09 80)		
09 84 13 Fixed Sound-Absorptive Panels (09 84)		
09 84 13 00-0001 Sound Absorbing Panels And Attenuation Blankets (09 84 13)		
Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system.		
09 84 13 00-0002 SF 3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler.....	6.84	1.17
09 84 13 00-0003 SF 1" Thick Fiberglass Sound Absorbing Panels With Glass Cloth Face For Walls	10.20	1.17
09 84 13 00-0004 Sound Absorbing Acoustical Wall Panel System (09 84 13)		
09 84 13 00-0005 Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) (09 84 13 00-0004)		
Note: Includes tackable surface, molding and mounting hardware for flush mount.		
09 84 13 00-0006 SF 5/8" Panel Thickness, Vinyl Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Signature Vinyl)	7.37	1.31
09 84 13 00-0007 SF 3/4" Panel Thickness, Composed Fabric Surface (Non-Woven), Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Rhythms®)	6.81	1.31
09 84 13 00-0008 SF 3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 FR-701)	8.58	1.31
09 84 13 00-0009 SF 3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Lido™)	8.59	1.31
09 84 13 00-0010 SF 3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Spinell™)	9.48	1.31
09 84 13 00-0011 SF 3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Zirconia™)	9.48	1.31
09 84 13 00-0012 Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) (09 84 13 00-0004)		
Note: Includes molding and mounting hardware for flush mount.		

09 Finishes**09 80 Acoustic Treatment****09 84 Acoustic Room Components**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 84 13 00-0013	SF		1" Panel Thickness, Composed Fabric Surface (Non-Woven), Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Rhythms®).....	8.60	1.31
09 84 13 00-0014	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 FR-701).....	10.06	1.31
09 84 13 00-0015	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Lido™).....	10.06	1.31
09 84 13 00-0016	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Spinel™).....	11.51	1.31
09 84 13 00-0017	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Zirconia™).....	11.51	1.31
09 84 13 00-0018			Sound Absorbing Panel, Eggcrate Style <small>(09 84 13)</small> Note: Ceiling or wall hung back.		
09 84 13 00-0019	SF		2" Thick Polyurethane Sound Wave (Eggcrate Style).....	6.28	
			<i>For Pyramid Style, Add</i>	1.18	
09 84 13 00-0020	SF		3" Thick Polyurethane Sound Wave (Eggcrate Style).....	8.50	
			<i>For Pyramid Style, Add</i>	1.18	
09 84 13 00-0021	SF		4" Thick Polyurethane Sound Wave (Eggcrate Style).....	11.34	
			<i>For Pyramid Style, Add</i>	1.18	
09 84 13 00-0022	SF		2" Thick Melamine Sound Wave (Eggcrate Style).....	8.47	
			<i>For Eggcrate Style With Hypalon Coating, Add</i>	1.97	
			<i>For Pyramid Style, Add</i>	2.05	
			<i>For Pyramid Style With Hypalon Coating, Add</i>	4.02	
09 84 13 00-0023	SF		3" Thick Melamine Sound Wave (Eggcrate Style).....	17.61	
			<i>For Eggcrate Style With Hypalon Coating, Add</i>	1.97	
			<i>For Pyramid Style, Add</i>	0.42	
			<i>For Pyramid Style With Hypalon Coating, Add</i>	2.40	
09 84 13 00-0024	SF		4" Thick Melamine Sound Wave (Eggcrate Style).....	22.73	
			<i>For Eggcrate Style With Hypalon Coating, Add</i>	1.97	
			<i>For Pyramid Style, Add</i>	0.42	
			<i>For Pyramid Style With Hypalon Coating, Add</i>	2.40	
09 85			Acoustic Sound Deadening <small>(09 80)</small>		
09 85 00 00-0001			Sound Deadening Fiberboard <small>(09 85)</small>		
09 85 00 00-0002	SF		1/2" Sound Deadening Fiberboard.....	0.82	0.29
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.27	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.18	
			<i>For Horizontal Installation >10' High, Add</i>	0.27	
			<i>For Walls >10' High, Add</i>	0.04	
			<i>For Up To 128, Add</i>	0.27	
			<i>For >128 To 320, Add</i>	0.16	
09 90			Painting And Coating <small>(09)</small>		
Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required.					
09 91			Painting <small>(09 90)</small>		
09 91 13			Exterior Painting <small>(09 91)</small>		
Note: Acrylic latex paint unless otherwise stated.					
09 91 13 00-0001			Paint Exterior Walls/Siding <small>(09 91 13)</small>		
09 91 13 00-0002			Paint Exterior Brick Walls <small>(09 91 13 00-0001)</small>		
09 91 13 00-0003	SF		Paint Exterior Brick Walls, 1 Coat Filler, Brush Work.....	0.54	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Work >20', Add</i>	0.10	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.33	
			<i>For >100 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.08	
			<i>For >20,000, Deduct</i>	-0.11	
09 91 13 00-0004	SF		Paint Exterior Brick Walls, 1 Coat Paint, Brush Work.....	0.75	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Work >20', Add</i>	0.15	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.47	
			<i>For >100 To 250, Add</i>	0.23	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.15	



Finishes	09	
Painting And Coating	09 90	9
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0005 SF Paint Exterior Brick Walls, 2 Coats Paint, Brush Work	1.12	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.21	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 13 00-0006 SF Paint Exterior Brick Walls, 1 Coat Filler, Brush/Roller Work	0.37	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.06	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.20	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.07	
09 91 13 00-0007 SF Paint Exterior Brick Walls, 1 Coat Paint, Brush/Roller Work	0.60	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0008 SF Paint Exterior Brick Walls, 2 Coats Paint, Brush/Roller Work	0.91	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.14	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0009 SF Paint Exterior Brick Walls, 1 Coat Filler, Sprayed	0.36	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.05	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.18	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 91 13 00-0010 SF Paint Exterior Brick Walls, 1 Coat Paint, Sprayed	0.39	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.05	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.17	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 13 00-0011 SF Paint Exterior Brick Walls, 2 Coats Paint, Sprayed	0.80	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	

09 91 13 00-0012 Paint Exterior Concrete Walls (09 91 13 00-0001)

09	Finishes
09 90	Painting And Coating
09 91	Painting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 13 00-0013	SF	Paint Exterior Concrete Walls, 1 Coat Filler, Brush Work.....	0.46	
		For Oil Based Paint, Add	0.03	
		For Epoxy Paint, Add	0.06	
		For Work >20', Add	0.09	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	0.28	
		For >100 To 250, Add	0.13	
		For >250 To 500, Add	0.06	
		For >2,500 To 5,000, Deduct	-0.02	
		For >5,000 To 10,000, Deduct	-0.05	
		For >10,000 To 20,000, Deduct	-0.07	
		For >20,000, Deduct	-0.09	
09 91 13 00-0014	SF	Paint Exterior Concrete Walls, 1 Coat Paint, Brush Work.....	0.49	
		For Oil Based Paint, Add	0.03	
		For Epoxy Paint, Add	0.05	
		For Work >20', Add	0.10	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	0.31	
		For >100 To 250, Add	0.15	
		For >250 To 500, Add	0.06	
		For >2,500 To 5,000, Deduct	-0.02	
		For >5,000 To 10,000, Deduct	-0.05	
		For >10,000 To 20,000, Deduct	-0.07	
		For >20,000, Deduct	-0.10	
09 91 13 00-0015	SF	Paint Exterior Concrete Walls, 2 Coats Paint, Brush Work.....	0.91	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.10	
		For Work >20', Add	0.19	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	0.58	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.18	
09 91 13 00-0016	SF	Paint Exterior Concrete Walls, 1 Coat Filler, Brush/Roller Work.....	0.37	
		For Oil Based Paint, Add	0.02	
		For Epoxy Paint, Add	0.05	
		For Work >20', Add	0.07	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	0.21	
		For >100 To 250, Add	0.10	
		For >250 To 500, Add	0.04	
		For >2,500 To 5,000, Deduct	-0.02	
		For >5,000 To 10,000, Deduct	-0.04	
		For >10,000 To 20,000, Deduct	-0.06	
		For >20,000, Deduct	-0.07	
09 91 13 00-0017	SF	Paint Exterior Concrete Walls, 1 Coat Paint, Brush/Roller Work.....	0.42	
		For Oil Based Paint, Add	0.03	
		For Epoxy Paint, Add	0.05	
		For Work >20', Add	0.08	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	0.26	
		For >100 To 250, Add	0.12	
		For >250 To 500, Add	0.05	
		For >2,500 To 5,000, Deduct	-0.02	
		For >5,000 To 10,000, Deduct	-0.04	
		For >10,000 To 20,000, Deduct	-0.06	
		For >20,000, Deduct	-0.08	
09 91 13 00-0018	SF	Paint Exterior Concrete Walls, 2 Coats Paint, Brush/Roller Work.....	0.70	
		For Oil Based Paint, Add	0.04	
		For Epoxy Paint, Add	0.09	
		For Work >20', Add	0.13	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	0.42	
		For >100 To 250, Add	0.20	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.14	
09 91 13 00-0019	SF	Paint Exterior Concrete Walls, 1 Coat Filler, Sprayed.....	0.33	
		For Oil Based Paint, Add	0.02	
		For Epoxy Paint, Add	0.06	
		For Work >20', Add	0.05	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	0.17	
		For >100 To 250, Add	0.08	
		For >250 To 500, Add	0.04	
		For >2,500 To 5,000, Deduct	-0.02	
		For >5,000 To 10,000, Deduct	-0.03	
		For >10,000 To 20,000, Deduct	-0.05	
		For >20,000, Deduct	-0.07	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0020 SF Paint Exterior Concrete Walls, 1 Coat Paint, Sprayed.....	0.30	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Work >20', Add	0.05	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.16	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.06	
09 91 13 00-0021 SF Paint Exterior Concrete Walls, 2 Coats Paint, Sprayed	0.52	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 13 00-0022 Paint Exterior Concrete Block Walls (09 91 13 00-0001)		
09 91 13 00-0023 Paint Exterior Concrete Block Walls, Epoxy Paint (09 91 13 00-0022)		
09 91 13 00-0024 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Filler, Brush Work	0.64	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0025 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Paint, Brush	0.73	
For Work >20', Add	0.14	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0026 SF Paint Exterior Concrete Block Walls, 2 Coats Epoxy Paint, Brush Work	1.30	
For Work >20', Add	0.23	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.74	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 13 00-0027 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Filler, Brush/Roller Work	0.54	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0028 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Paint, Brush/Roller Work	0.59	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0029 SF Paint Exterior Concrete Block Walls, 2 Coats Epoxy Paint, Brush/Roller Work	1.06	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0030 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Filler, Sprayed	0.45	
For Work >20', Add	0.05	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.19	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0031 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Paint, Sprayed	0.50	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.23	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 13 00-0032 SF Paint Exterior Concrete Block Walls, 2 Coats Epoxy Paint, Sprayed	0.96	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0033 Paint Exterior Concrete Block Walls, Acrylic Latex Paint (09 91 13 00-0022)	0.58	
09 91 13 00-0034 SF Paint Exterior Concrete Block Walls, 1 Coat Filler, Brush Work	0.58	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0035 SF Paint Exterior Concrete Block Walls, 1 Coat Paint, Brush Work	0.69	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 13 00-0036 SF Paint Exterior Concrete Block Walls, 2 Coats Paint, Brush Work	1.27	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.23	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 13 00-0037 SF Paint Exterior Concrete Block Walls, Texture Coat, Brush Work	0.77	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.15	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0038 SF Paint Exterior Concrete Block Walls, 1 Coat Filler, Brush/Roller Work.....	0.47	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0039 SF Paint Exterior Concrete Block Walls, 1 Coat Paint, Brush/Roller Work.....	0.59	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0040 SF Paint Exterior Concrete Block Walls, 2 Coats Paint, Brush/Roller Work.....	1.03	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.21	
09 91 13 00-0041 SF Paint Exterior Concrete Block Walls, Texture Coat, Brush/Roller Work.....	0.66	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0042 SF Paint Exterior Concrete Block Walls, 1 Coat Filler, Sprayed.....	0.45	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.24	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0043 SF Paint Exterior Concrete Block Walls, 1 Coat Paint, Sprayed.....	0.48	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.23	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 13 00-0044 SF Paint Exterior Concrete Block Walls, 2 Coats Paint, Sprayed.....	0.75	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	

09	Finishes
09 90	Painting And Coating
09 91	Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0045 SF Paint Exterior Concrete Block Walls, Texture Coat, Sprayed	0.63	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.32	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.13	
09 91 13 00-0046 Paint Exterior Drywall/Plaster Walls (09 91 13 00-0001)		
09 91 13 00-0047 SF Paint Exterior Drywall/Plaster Walls, 1 Coat Primer, Brush Work	0.47	
For Oil Based Paint, Add	0.03	
For Orange Peel Finish, Add	0.06	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0048 SF Paint Exterior Drywall/Plaster Walls, 1 Coat Paint, Brush Work	0.51	
For Oil Based Paint, Add	0.03	
For Orange Peel Finish, Add	0.07	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 13 00-0049 SF Paint Exterior Drywall/Plaster Walls, 2 Coats Paint, Brush Work.....	0.91	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.13	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0050 SF Paint Exterior Drywall/Plaster Walls, 1 Coat Primer, Brush/Roller Work.....	0.37	
For Oil Based Paint, Add	0.02	
For Orange Peel Finish, Add	0.05	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.21	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.07	
09 91 13 00-0051 SF Paint Exterior Drywall/Plaster Walls, 1 Coat Paint, Brush/Roller Work	0.38	
For Oil Based Paint, Add	0.02	
For Orange Peel Finish, Add	0.05	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 13 00-0052 SF Paint Exterior Drywall/Plaster Walls, 2 Coats Paint, Brush/Roller Work	0.69	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.09	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	



		Finishes	09
		Painting And Coating	09 90
		Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0053 SF Paint Exterior Drywall/Plaster Walls, 1 Coat Primer, Sprayed	0.33	
For Oil Based Paint, Add	0.02	
For Work >20', Add	0.05	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.17	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 91 13 00-0054 SF Paint Exterior Drywall/Plaster Walls, 1 Coat Paint, Sprayed.....	0.35	
For Oil Based Paint, Add	0.02	
For Work >20', Add	0.06	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.20	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 91 13 00-0055 SF Paint Exterior Drywall/Plaster Walls, 2 Coats Paint, Sprayed.....	0.58	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0056 Paint Exterior Metal Walls (09 91 13 00-0001)		
09 91 13 00-0057 Paint Exterior Galvanized Walls (09 91 13 00-0056)		
Note: Linseed oil or acrylic latex paint.		
09 91 13 00-0058 SF Paint Exterior Galvanized Wall Surfaces, 1 Coat Primer, Brush Work.....	0.56	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0059 SF Paint Exterior Galvanized Wall Surfaces, 1 Coat Paint, Brush Work.....	0.61	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0060 SF Paint Exterior Galvanized Wall Surfaces, 2 Coats Paint, Brush Work.....	1.11	
For Work >20', Add	0.20	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 13 00-0061 SF Paint Exterior Galvanized Walls, 1 Coat Primer, Brush/Roller Work.....	0.41	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.24	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0062	SF		Paint Exterior Galvanized Walls, 1 Coat Paint, Brush/Roller Work.....	0.48	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	
09 91 13 00-0063	SF		Paint Exterior Galvanized Walls, 2 Coats Paint, Brush/Roller Work	0.89	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 13 00-0064	SF		Paint Exterior Galvanized Walls, 1 Coat Primer, Sprayed	0.35	
			For Work >20', Add	0.05	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.16	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.07	
09 91 13 00-0065	SF		Paint Exterior Galvanized Walls, 1 Coat Paint, Sprayed.....	0.45	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.24	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 13 00-0066	SF		Paint Exterior Galvanized Walls, 2 Coats Paint, Sprayed.....	0.77	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.15	
09 91 13 00-0067			Paint Exterior Aluminum And Aluminum Alloy Walls (09 91 13 00-0066)		
			Note: Alkyd enamel paint.		
09 91 13 00-0068	SF		Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Primer, Brush Work.....	0.56	
			For Work >20', Add	0.10	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 13 00-0069	SF		Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Paint, Brush Work	0.61	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0070	SF		Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces, 2 Coats Paint, Brush Work	1.11	
			For Work >20', Add	0.20	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0071 SF Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Brush/Roller Work.....	0.46	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.24	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0072 SF Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Brush/Roller Work.....	0.52	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 13 00-0073 SF Paint Exterior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Brush/Roller Work.....	0.97	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 13 00-0074 SF Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Sprayed.....	0.38	
For Work >20', Add	0.05	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.18	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 13 00-0075 SF Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Sprayed.....	0.45	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.24	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0076 SF Paint Exterior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Sprayed.....	0.77	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.15	
09 91 13 00-0077 Paint Exterior Aluminum And Aluminum Alloy Roof Stacks (09 91 13 00-0056)		
09 91 13 00-0078 LF Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 1 Coat Primer, Per LF Of Stack.....	7.31	
For Work >20', Add	1.61	
Note: Applied only to work area above 20'.		
For Up To 100, Add	4.97	
For >100 To 250, Add	2.34	
For >250 To 500, Add	1.01	
For >2,500 To 5,000, Deduct	-0.37	
For >5,000 To 10,000, Deduct	-0.73	
For >10,000 To 20,000, Deduct	-1.10	
For >20,000, Deduct	-1.46	
09 91 13 00-0079 LF Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 1 Coat Paint, Per LF Of Stack.....	8.13	
For Work >20', Add	1.79	
Note: Applied only to work area above 20'.		
For Up To 100, Add	5.52	
For >100 To 250, Add	2.60	
For >250 To 500, Add	1.12	
For >2,500 To 5,000, Deduct	-0.41	
For >5,000 To 10,000, Deduct	-0.81	
For >10,000 To 20,000, Deduct	-1.22	
For >20,000, Deduct	-1.63	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0080	LF		Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 2 Coats Paint, Per LF Of Stack.....	15.18	
			For Work >20', Add	3.37	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	10.35	
			For >100 To 250, Add	4.88	
			For >250 To 500, Add	2.11	
			For >2,500 To 5,000, Deduct	-0.76	
			For >5,000 To 10,000, Deduct	-1.52	
			For >10,000 To 20,000, Deduct	-2.28	
			For >20,000, Deduct	-3.04	
09 91 13 00-0081			Paint Exterior Corrugated Metal Walls (09 91 13 00-0056).....	0.44	
09 91 13 00-0082	SF		Paint Exterior Corrugated Metal Walls, 1 Coat Primer, Sprayed.....	0.44	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.21	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 13 00-0083	SF		Paint Exterior Corrugated Metal Walls, 1 Coat Paint, Sprayed.....	0.58	
			For Work >20', Add	0.10	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.32	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0084	SF		Paint Exterior Corrugated Metal Walls, 2 Coats Paint, Sprayed.....	0.96	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 13 00-0085			Paint Exterior Stucco Walls (09 91 13 00-0001).....	0.76	
09 91 13 00-0086	SF		Paint Exterior Stucco Wall Surfaces 1 Coat Primer, Brush Work.....	0.76	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 13 00-0087	SF		Paint Exterior Stucco Wall Surfaces 1 Coat Paint, Brush Work.....	0.84	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 13 00-0088	SF		Paint Exterior Stucco Wall Surfaces, 2 Coats Paint, Brush Work.....	1.57	
			For Oil Based Paint, Add	0.09	
			For Work >20', Add	0.32	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.00	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.31	



Finishes	09	
Painting And Coating	09 90	9
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0089 SF Paint Exterior Stucco Walls, 1 Coat Primer, Brush/Roller Work.....	0.59	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0090 SF Paint Exterior Stucco Walls, 1 Coat Paint, Brush/Roller Work.....	0.67	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0091 SF Paint Exterior Stucco Walls, 2 Coats Paint, Brush/Roller Work.....	1.23	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.23	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.74	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.25	
09 91 13 00-0092 SF Paint Exterior Stucco Walls, 1 Coat Primer, Sprayed.....	0.46	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.26	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0093 SF Paint Exterior Stucco Walls, 1 Coat Paint, Sprayed.....	0.55	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.30	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0094 SF Paint Exterior Stucco Walls, 2 Coats Paint, Sprayed.....	1.06	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.18	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0095 Paint Exterior Wood Siding (09 91 13 00-0001)		
09 91 13 00-0096 Paint Exterior Smooth Wood Siding (09 91 13 00-0095)		
Note: Includes tongue and groove, beveled, drop or board and batten siding.		
09 91 13 00-0097 SF Paint Exterior Wood Smooth Siding, 1 Coat Primer, Brush Work.....	0.57	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	

09	Finishes
09 90	Painting And Coating
09 91	Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0098	SF		Paint Exterior Wood Smooth Siding, 1 Coat Paint, Brush Work	0.60	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0099	SF		Paint Exterior Wood Smooth Siding, 2 Coats Paint, Brush Work.....	1.07	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.20	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 13 00-0100	SF		Paint Exterior Smooth Wood Siding, 1 Coat Primer, Brush/Roller Work.....	0.47	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 13 00-0101	SF		Paint Exterior Smooth Wood Siding, 1 Coat Paint, Brush/Roller Work	0.50	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 13 00-0102	SF		Paint Exterior Smooth Wood Siding, 2 Coats Paint, Brush/Roller Work	0.93	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 13 00-0103	SF		Paint Exterior Smooth Wood Siding, 1 Coat Primer, Sprayed	0.38	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.05	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.18	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91 13 00-0104	SF		Paint Exterior Smooth Wood Siding, 1 Coat Paint, Sprayed.....	0.45	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.24	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	



Finishes	09	
Painting And Coating	09 90	9
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0105 SF Paint Exterior Smooth Wood Siding, 2 Coats Paint, Sprayed.....	0.75	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0106 Paint Exterior Rough Wood Siding (09 91 13 00-0095)		
Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0107 SF Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Primer, Brush Work	0.86	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0108 SF Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Paint, Brush Work.....	0.86	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.18	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0109 SF Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 2 Coats Paint, Brush Work	1.60	
For Oil Based Paint, Add	0.09	
For Work >20', Add	0.34	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.04	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 13 00-0110 SF Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Brush/Roller Work	0.80	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0111 SF Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Brush/Roller Work	0.86	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0112 SF Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Brush/Roller Work.....	1.60	
For Oil Based Paint, Add	0.11	
For Work >20', Add	0.26	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.86	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0113	SF		Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Sprayed.....	0.60	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.31	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0114	SF		Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Sprayed.....	0.67	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0115	SF		Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Sprayed.....	1.26	
			For Oil Based Paint, Add	0.09	
			For Work >20', Add	0.20	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 13 00-0116			Paint Exterior Vinyl Siding (09 91 13 00-0001)		
09 91 13 00-0117	SF		Paint Exterior Vinyl Siding, 1 Coat Primer, Brush Work.....	0.50	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 13 00-0118	SF		Paint Exterior Vinyl Siding, 1 Coat Paint, Brush Work.....	0.55	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.10	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.32	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 13 00-0119	SF		Paint Exterior Vinyl Siding, 2 Coats Paint, Brush Work.....	1.01	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0120	SF		Paint Exterior Vinyl Siding, 1 Coat Primer, Brush/Roller Work.....	0.46	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.24	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	



Finishes	09	
Painting And Coating	09 90	9
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0121 SF Paint Exterior Vinyl Siding, 1 Coat Paint, Brush/Roller Work.....	0.46	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.24	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0122 SF Paint Exterior Vinyl Siding, 2 Coats Paint, Brush/Roller Work.....	0.86	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.44	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0123 SF Paint Exterior Vinyl Siding, 1 Coat Primer, Sprayed.....	0.42	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.05	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.19	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 13 00-0124 SF Paint Exterior Vinyl Siding, 1 Coat Paint, Sprayed.....	0.49	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.05	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.20	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 13 00-0125 SF Paint Exterior Vinyl Siding, 2 Coats Paint, Sprayed.....	0.97	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.40	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 13 00-0126 Paint Exterior Ceilings (09 91 13)		
09 91 13 00-0127 Paint Exterior Concrete Ceilings (09 91 13 00-0126)		
09 91 13 00-0128 SF Paint Exterior Concrete Ceiling, 1 Coat Filler, Brush Work.....	0.52	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.32	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 13 00-0129 SF Paint Exterior Concrete Ceiling, 1 Coat Paint, Brush Work.....	0.55	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	

09	Finishes
09 90	Painting And Coating
09 91	Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0130	SF		Paint Exterior Concrete Ceiling, 2 Coats Paint, Brush Work.....	0.98	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Epoxy Paint, Add</i>	0.10	
			<i>For Work >20', Add</i>	0.20	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.63	
			<i>For >100 To 250, Add</i>	0.30	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.10	
			<i>For >10,000 To 20,000, Deduct</i>	-0.15	
			<i>For >20,000, Deduct</i>	-0.20	
09 91 13 00-0131	SF		Paint Exterior Concrete Ceiling, 1 Coat Filler, Brush/Roller Work.....	0.40	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Epoxy Paint, Add</i>	0.05	
			<i>For Work >20', Add</i>	0.07	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.23	
			<i>For >100 To 250, Add</i>	0.11	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 20,000, Deduct</i>	-0.06	
			<i>For >20,000, Deduct</i>	-0.08	
09 91 13 00-0132	SF		Paint Exterior Concrete Ceiling, 1 Coat Paint, Brush/Roller Work	0.44	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Epoxy Paint, Add</i>	0.05	
			<i>For Work >20', Add</i>	0.09	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.28	
			<i>For >100 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.09	
09 91 13 00-0133	SF		Paint Exterior Concrete Ceiling, 2 Coats Paint, Brush/Roller Work.....	0.81	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Epoxy Paint, Add</i>	0.09	
			<i>For Work >20', Add</i>	0.16	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.51	
			<i>For >100 To 250, Add</i>	0.24	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.12	
			<i>For >20,000, Deduct</i>	-0.16	
09 91 13 00-0134	SF		Paint Exterior Concrete Ceiling, 1 Coat Filler, Sprayed	0.34	
			<i>For Oil Based Paint, Add</i>	0.02	
			<i>For Epoxy Paint, Add</i>	0.06	
			<i>For Work >20', Add</i>	0.05	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.18	
			<i>For >100 To 250, Add</i>	0.09	
			<i>For >250 To 500, Add</i>	0.04	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.03	
			<i>For >10,000 To 20,000, Deduct</i>	-0.05	
			<i>For >20,000, Deduct</i>	-0.07	
09 91 13 00-0135	SF		Paint Exterior Concrete Ceiling, 1 Coat Paint, Sprayed.....	0.39	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Epoxy Paint, Add</i>	0.05	
			<i>For Work >20', Add</i>	0.07	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.23	
			<i>For >100 To 250, Add</i>	0.11	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 20,000, Deduct</i>	-0.06	
			<i>For >20,000, Deduct</i>	-0.08	
09 91 13 00-0136	SF		Paint Exterior Concrete Ceiling, 2 Coats Paint, Sprayed	0.64	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Epoxy Paint, Add</i>	0.10	
			<i>For Work >20', Add</i>	0.11	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.35	
			<i>For >100 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.13	

09 91 13 00-0137 Drywall/Plaster (09 91 13 00-0126)



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0138 SF Paint Exterior Drywall/Plaster Ceiling, 1 Coat Primer, Brush Work.....	0.52	
For Oil Based Paint, Add	0.03	
For Orange Peel Finish, Add	0.07	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.32	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 13 00-0139 SF Paint Exterior Drywall/Plaster Ceiling, 1 Coat Paint, Brush Work.....	0.56	
For Oil Based Paint, Add	0.03	
For Orange Peel Finish, Add	0.08	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0140 SF Paint Exterior Drywall/Plaster Ceiling, 2 Coats Paint, Brush Work	0.99	
For Oil Based Paint, Add	0.06	
For Orange Peel Finish, Add	0.14	
For Epoxy Paint, Add	0.10	
For Work >20', Add	0.21	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.64	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0141 SF Paint Exterior Drywall/Plaster Ceiling, 1 Coat Primer, Brush/Roller Work	0.40	
For Oil Based Paint, Add	0.03	
For Orange Peel Finish, Add	0.05	
For Epoxy Paint, Add	0.05	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 13 00-0142 SF Paint Exterior Drywall/Plaster Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.44	
For Oil Based Paint, Add	0.03	
For Orange Peel Finish, Add	0.06	
For Epoxy Paint, Add	0.05	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.28	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0143 SF Paint Exterior Drywall/Plaster Ceiling, 2 Coats Paint, Brush/Roller Work.....	0.80	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.11	
For Epoxy Paint, Add	0.09	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0144	SF		Paint Exterior Drywall/Plaster Ceiling, 1 Coat Primer, Sprayed	0.34	
			<i>For Oil Based Paint, Add</i>	0.02	
			<i>For Epoxy Paint, Add</i>	0.06	
			<i>For Work >20', Add</i>	0.05	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.18	
			<i>For >100 To 250, Add</i>	0.09	
			<i>For >250 To 500, Add</i>	0.04	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.03	
			<i>For >10,000 To 20,000, Deduct</i>	-0.05	
			<i>For >20,000, Deduct</i>	-0.07	
09 91 13 00-0145	SF		Paint Exterior Drywall/Plaster Ceiling, 1 Coat Paint, Sprayed.....	0.40	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Epoxy Paint, Add</i>	0.05	
			<i>For Work >20', Add</i>	0.07	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.23	
			<i>For >100 To 250, Add</i>	0.11	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 20,000, Deduct</i>	-0.06	
			<i>For >20,000, Deduct</i>	-0.08	
09 91 13 00-0146	SF		Paint Exterior Drywall/Plaster Ceiling, 2 Coats Paint, Sprayed.....	0.64	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Epoxy Paint, Add</i>	0.10	
			<i>For Work >20', Add</i>	0.11	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.35	
			<i>For >100 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.13	
09 91 13 00-0147			Paint Exterior Wood Ceilings <small>(09 91 13 00-0126)</small>		
09 91 13 00-0148			Paint Exterior Smooth Wood Ceilings <small>(09 91 13 00-0147)</small>		
09 91 13 00-0149	SF		Paint Exterior Wood Smooth Ceiling, 1 Coat Primer, Brush Work.....	0.63	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Work >20', Add</i>	0.12	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.38	
			<i>For >100 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.13	
09 91 13 00-0150	SF		Paint Exterior Wood Smooth Ceiling, 1 Coat Paint, Brush Work	0.65	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Work >20', Add</i>	0.13	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.41	
			<i>For >100 To 250, Add</i>	0.20	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.13	
09 91 13 00-0151	SF		Paint Exterior Wood Smooth Ceiling, 2 Coats Paint, Brush Work.....	1.19	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Work >20', Add</i>	0.23	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.74	
			<i>For >100 To 250, Add</i>	0.35	
			<i>For >250 To 500, Add</i>	0.15	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.12	
			<i>For >10,000 To 20,000, Deduct</i>	-0.18	
			<i>For >20,000, Deduct</i>	-0.24	
09 91 13 00-0152	SF		Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.52	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Work >20', Add</i>	0.09	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.29	
			<i>For >100 To 250, Add</i>	0.14	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.08	
			<i>For >20,000, Deduct</i>	-0.10	



Finishes	09	
Painting And Coating	09 90	9
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0153 SF Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.56	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0154 SF Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Brush/Roller Work.....	0.99	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0155 SF Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Sprayed.....	0.41	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 13 00-0156 SF Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Sprayed.....	0.41	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 13 00-0157 SF Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Sprayed.....	0.76	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0158 Paint Exterior Rough Wood Ceilings (09 91 13 00-0147)		
09 91 13 00-0159 SF Paint Exterior Wood Rough Ceiling, 1 Coat Primer, Brush Work.....	0.93	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.18	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0160 SF Paint Exterior Wood Rough Ceiling, 1 Coat Paint, Brush Work.....	0.95	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.21	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0161 SF Paint Exterior Wood Rough Ceiling, 2 Coats Paint, Brush Work	1.65	
For Oil Based Paint, Add	0.10	
For Work >20', Add	0.35	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.08	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	
09 91 13 00-0162 SF Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.86	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0163 SF Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.91	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.51	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0164 SF Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.65	
For Oil Based Paint, Add	0.11	
For Work >20', Add	0.27	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.90	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	
09 91 13 00-0165 SF Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Sprayed.....	0.67	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0166 SF Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Sprayed.....	0.74	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0167 SF Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Sprayed.....	1.34	
For Oil Based Paint, Add	0.09	
For Work >20', Add	0.22	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.72	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	

09 91 13 00-0168 Paint Exterior Metal Ceilings (09 91 13 00-0126)

09 91 13 00-0169 Paint Exterior Galvanized Ceilings (09 91 13 00-0168)

Note: Linseed oil or acrylic latex paint.



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0170 SF Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush Work.....	0.61	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0171 SF Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush Work.....	0.67	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0172 SF Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush Work.....	1.23	
For Work >20', Add	0.23	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.74	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.25	
09 91 13 00-0173 SF Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.47	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.28	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0174 SF Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.53	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0175 SF Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush/Roller Work.....	0.93	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.55	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0176 SF Paint Exterior Galvanized Ceiling, 1 Coat Primer, Sprayed.....	0.45	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.24	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0177 SF Paint Exterior Galvanized Ceiling, 1 Coat Paint, Sprayed.....	0.53	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.30	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0178	SF		Paint Exterior Galvanized Ceiling, 2 Coats Paint, Sprayed.....	0.84	
			For Work >20', Add	0.13	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.43	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 13 00-0179			Paint Exterior Aluminum And Aluminum Alloy Ceilings (09 91 13 00-0168)		
			Note: Alkyd enamel paint.		
09 91 13 00-0180	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush Work.....	0.61	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0181	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush Work.....	0.67	
			For Work >20', Add	0.13	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0182	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush Work.....	1.23	
			For Work >20', Add	0.23	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.25	
09 91 13 00-0183	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.52	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 13 00-0184	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.58	
			For Work >20', Add	0.10	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0185	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.03	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.21	
09 91 13 00-0186	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Sprayed.....	0.45	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.24	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	



Finishes	09	2
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0187 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Sprayed	0.45	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.24	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0188 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Sprayed.....	0.84	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0189 Paint Exterior Corrugated Metal Ceilings (09 91 13 00-0188)		
09 91 13 00-0190 SF Paint Exterior Corrugated Metal Ceiling, 1 Coat Primer, Sprayed	0.51	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 13 00-0191 SF Paint Exterior Corrugated Metal Ceiling, 1 Coat Paint, Sprayed.....	0.58	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.32	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0192 SF Paint Exterior Corrugated Metal Ceiling, 2 Coats Paint, Sprayed.....	1.05	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.55	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0193 Paint Exterior Floors (09 91 13)		
09 91 13 00-0194 Paint Exterior Concrete Floors (09 91 13 00-0193)		
09 91 13 00-0195 SF Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Brush Work.....	0.40	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 13 00-0196 SF Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Brush Work	0.44	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	

09	Finishes
09 90	Painting And Coating
09 91	Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0197 SF Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Brush Work.....	0.80	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0198 SF Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Brush/Roller Work.....	0.33	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.18	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 91 13 00-0199 SF Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Brush/Roller Work.....	0.38	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 13 00-0200 SF Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Brush/Roller Work.....	0.62	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0201 SF Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Sprayed.....	0.27	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.12	
For >100 To 250, Add	0.06	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.04	
For >20,000, Deduct	-0.05	
09 91 13 00-0202 SF Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Sprayed.....	0.32	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.17	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.06	
09 91 13 00-0203 SF Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Sprayed.....	0.57	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	
09 91 13 00-0204 SF Paint Exterior Concrete Floors And Decks, 1 Coat Non Slip Paint, Brush/Roller Work.....	1.09	
For Up To 100, Add	0.34	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
09 91 13 00-0205 SF Paint Exterior Concrete Floors And Decks, 1 Coat Anti-Slip, Single Component Epoxy Coating, Brush/Roller Work.....	2.62	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.26	
For >10,000 To 20,000, Deduct	-0.39	
For >20,000, Deduct	-0.52	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0206 SF Paint Exterior Concrete Floors And Decks, 1 Coat Anti-Slip High Performance Epoxy Coating, Brush/Roller Work.....	3.27	
For Up To 100, Add	0.66	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.16	
For >5,000 To 10,000, Deduct	-0.33	
For >10,000 To 20,000, Deduct	-0.49	
For >20,000, Deduct	-0.65	
09 91 13 00-0207 Paint Exterior Wood Floors (09 91 13 00-0193)		
09 91 13 00-0208 SF Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush Work	0.50	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 13 00-0209 SF Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush Work	0.54	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0210 SF Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush Work	1.01	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0211 SF Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush/Roller Work.....	0.47	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0212 SF Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush/Roller Work	0.50	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 13 00-0213 SF Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush/Roller Work	0.82	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0214 SF Paint Exterior Wood Floors And Decks, 1 Coat Primer, Sprayed	0.34	
For Oil Based Paint, Add	0.02	
For Up To 100, Add	0.18	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 91 13 00-0215 SF Paint Exterior Wood Floors And Decks, 1 Coat Paint, Sprayed.....	0.41	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0216	SF		Paint Exterior Wood Floors And Decks, 2 Coats Paint, Sprayed.....	0.69	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.36	
			<i>For >100 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.14	
09 91 13 00-0217	SF		Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Paint, Brush Work.....	1.15	
			<i>For Up To 100, Add</i>	0.38	
			<i>For >100 To 250, Add</i>	0.20	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.12	
			<i>For >10,000 To 20,000, Deduct</i>	-0.17	
			<i>For >20,000, Deduct</i>	-0.23	
09 91 13 00-0218	SF		Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work.....	3.33	
			<i>For Up To 100, Add</i>	0.71	
			<i>For >100 To 250, Add</i>	0.42	
			<i>For >250 To 500, Add</i>	0.20	
			<i>For >2,500 To 5,000, Deduct</i>	-0.17	
			<i>For >5,000 To 10,000, Deduct</i>	-0.33	
			<i>For >10,000 To 20,000, Deduct</i>	-0.50	
			<i>For >20,000, Deduct</i>	-0.67	
09 91 13 00-0219 Paint Exterior Doors And Windows (09 91 13)					
09 91 13 00-0220 Paint Exterior Door Frames (09 91 13 00-0219)					
09 91 13 00-0221	LF		Paint Exterior Wood Door Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.63	
			<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.17	
09 91 13 00-0222	LF		Paint Exterior Wood Door Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	0.82	
			<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.22	
09 91 13 00-0223	LF		Paint Exterior Wood Door Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	1.37	
			<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.36	
09 91 13 00-0224	LF		Paint Exterior Metal Door Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.62	
			<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.17	
09 91 13 00-0225	LF		Paint Exterior Metal Door Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	0.81	
			<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.21	
09 91 13 00-0226	LF		Paint Exterior Metal Door Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	1.36	
			<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.36	
09 91 13 00-0227 Paint Exterior Metal Doors (09 91 13 00-0219)					
09 91 13 00-0228	EA		Paint Exterior Metal Door, One Face, 1 Coat Primer, Brush/Roller Work.....	26.91	
			<i>For Half Louvered Door, Add</i>	2.51	
			<i>For Full Louvered Door, Add</i>	4.19	
			<i>For Electrostatic Painting, Add</i>	4.21	
			<i>For >5 To 10, Deduct</i>	-1.35	
			<i>For >10 To 25, Deduct</i>	-2.69	
			<i>For >25, Deduct</i>	-4.04	
09 91 13 00-0229	EA		Paint Exterior Metal Door, One Face, 1 Coat Paint, Brush/Roller Work.....	26.91	
			<i>For Half Louvered Door, Add</i>	2.51	
			<i>For Full Louvered Door, Add</i>	4.19	
			<i>For Electrostatic Painting, Add</i>	4.21	
			<i>For >5 To 10, Deduct</i>	-1.35	
			<i>For >10 To 25, Deduct</i>	-2.69	
			<i>For >25, Deduct</i>	-4.04	
09 91 13 00-0230	EA		Paint Exterior Metal Door, One Face, 2 Coats Paint, Brush/Roller Work.....	48.47	
			<i>For Half Louvered Door, Add</i>	4.25	
			<i>For Full Louvered Door, Add</i>	7.08	
			<i>For Electrostatic Painting, Add</i>	7.87	
			<i>For >5 To 10, Deduct</i>	-2.42	
			<i>For >10 To 25, Deduct</i>	-4.85	
			<i>For >25, Deduct</i>	-7.27	
09 91 13 00-0231	EA		Paint Exterior Metal Door, Both Faces, 1 Coat Primer, Brush/Roller Work.....	48.29	
			<i>For Half Louvered Door, Add</i>	4.51	
			<i>For Full Louvered Door, Add</i>	7.52	
			<i>For Electrostatic Painting, Add</i>	7.56	
			<i>For >5 To 10, Deduct</i>	-2.41	
			<i>For >10 To 25, Deduct</i>	-4.83	
			<i>For >25, Deduct</i>	-7.24	
09 91 13 00-0232	EA		Paint Exterior Metal Door, Both Faces, 1 Coat Paint, Brush/Roller Work.....	48.29	
			<i>For Half Louvered Door, Add</i>	4.51	
			<i>For Full Louvered Door, Add</i>	7.52	
			<i>For Electrostatic Painting, Add</i>	7.56	
			<i>For >5 To 10, Deduct</i>	-2.41	
			<i>For >10 To 25, Deduct</i>	-4.83	
			<i>For >25, Deduct</i>	-7.24	



Finishes	09	
Painting And Coating	09 90	9
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0233 EA Paint Exterior Metal Door, Both Faces, 2 Coats Paint, Brush/Roller Work	87.32	
For Half Louvered Door, Add	7.63	
For Full Louvered Door, Add	12.71	
For Electrostatic Painting, Add	14.20	
For >5 To 10, Deduct	-4.37	
For >10 To 25, Deduct	-8.73	
For >25, Deduct	-13.10	
09 91 13 00-0234 EA Paint Exterior Metal Door, One Face, 1 Coat Primer, Sprayed.....	25.04	
For Half Louvered Door, Add	2.08	
For Full Louvered Door, Add	3.47	
For Electrostatic Painting, Add	4.18	
For >5 To 10, Deduct	-1.25	
For >10 To 25, Deduct	-2.50	
For >25, Deduct	-3.76	
09 91 13 00-0235 EA Paint Exterior Metal Door, One Face, 1 Coat Paint, Sprayed.....	25.04	
For Half Louvered Door, Add	2.08	
For Full Louvered Door, Add	3.47	
For Electrostatic Painting, Add	4.18	
For >5 To 10, Deduct	-1.25	
For >10 To 25, Deduct	-2.50	
For >25, Deduct	-3.76	
09 91 13 00-0236 EA Paint Exterior Metal Door, One Face, 2 Coats Paint, Sprayed.....	45.62	
For Half Louvered Door, Add	3.52	
For Full Louvered Door, Add	5.86	
For Electrostatic Painting, Add	7.89	
For >5 To 10, Deduct	-2.28	
For >10 To 25, Deduct	-4.56	
For >25, Deduct	-6.84	
09 91 13 00-0237 EA Paint Exterior Metal Door, Both Faces, 1 Coat Primer, Sprayed	44.95	
For Half Louvered Door, Add	3.73	
For Full Louvered Door, Add	6.22	
For Electrostatic Painting, Add	7.50	
For >5 To 10, Deduct	-2.25	
For >10 To 25, Deduct	-4.50	
For >25, Deduct	-6.74	
09 91 13 00-0238 EA Paint Exterior Metal Door, Both Faces, 1 Coat Paint, Sprayed.....	44.95	
For Half Louvered Door, Add	3.73	
For Full Louvered Door, Add	6.22	
For Electrostatic Painting, Add	7.50	
For >5 To 10, Deduct	-2.25	
For >10 To 25, Deduct	-4.50	
For >25, Deduct	-6.74	
09 91 13 00-0239 EA Paint Exterior Metal Door, Both Faces, 2 Coats Paint, Sprayed.....	82.22	
For Half Louvered Door, Add	6.32	
For Full Louvered Door, Add	10.53	
For Electrostatic Painting, Add	14.24	
For >5 To 10, Deduct	-4.11	
For >10 To 25, Deduct	-8.22	
For >25, Deduct	-12.33	
09 91 13 00-0240 SF Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Brush/Roller Work.....	1.32	
For Electrostatic Painting, Add	0.16	
09 91 13 00-0241 SF Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Brush/Roller Work	1.39	
For Electrostatic Painting, Add	0.18	
09 91 13 00-0242 SF Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Brush/Roller Work.....	2.84	
For Electrostatic Painting, Add	0.35	
09 91 13 00-0243 SF Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Sprayed.....	1.47	
For Electrostatic Painting, Add	0.17	
09 91 13 00-0244 SF Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Sprayed.....	1.54	
For Electrostatic Painting, Add	0.19	
09 91 13 00-0245 SF Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Sprayed.....	2.99	
For Electrostatic Painting, Add	0.37	
09 91 13 00-0246 Paint Exterior Wood Doors (09 91 13 00-0219)		
09 91 13 00-0247 EA Paint Exterior Wood Door, One Face, 1 Coat Primer, Brush/Roller Work	26.91	
For Half Louvered Door, Add	2.51	
For Full Louvered Door, Add	4.19	
For >5 To 10, Deduct	-1.35	
For >10 To 25, Deduct	-2.69	
For >25, Deduct	-4.04	
09 91 13 00-0248 EA Paint Exterior Wood Door, One Face, 1 Coat Paint, Brush/Roller Work.....	26.91	
For Half Louvered Door, Add	2.51	
For Full Louvered Door, Add	4.19	
For >5 To 10, Deduct	-1.35	
For >10 To 25, Deduct	-2.69	
For >25, Deduct	-4.04	
09 91 13 00-0249 EA Paint Exterior Wood Door, One Face, 2 Coats Paint, Brush/Roller Work	48.47	
For Half Louvered Door, Add	4.25	
For Full Louvered Door, Add	7.08	
For >5 To 10, Deduct	-2.42	
For >10 To 25, Deduct	-4.85	
For >25, Deduct	-7.27	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0250	EA		Paint Exterior Wood Door, Both Faces, 1 Coat Primer, Brush/Roller Work.....	48.29	
			<i>For Half Louvered Door, Add</i>	4.51	
			<i>For Full Louvered Door, Add</i>	7.52	
			<i>For >5 To 10, Deduct</i>	-2.41	
			<i>For >10 To 25, Deduct</i>	-4.83	
			<i>For >25, Deduct</i>	-7.24	
09 91 13 00-0251	EA		Paint Exterior Wood Door, Both Faces, 1 Coat Paint, Brush/Roller Work.....	48.29	
			<i>For Half Louvered Door, Add</i>	4.51	
			<i>For Full Louvered Door, Add</i>	7.52	
			<i>For >5 To 10, Deduct</i>	-2.41	
			<i>For >10 To 25, Deduct</i>	-4.83	
			<i>For >25, Deduct</i>	-7.24	
09 91 13 00-0252	EA		Paint Exterior Wood Door, Both Faces, 2 Coats Paint, Brush/Roller Work.....	87.32	
			<i>For Half Louvered Door, Add</i>	7.63	
			<i>For Full Louvered Door, Add</i>	12.71	
			<i>For >5 To 10, Deduct</i>	-4.37	
			<i>For >10 To 25, Deduct</i>	-8.73	
			<i>For >25, Deduct</i>	-13.10	
09 91 13 00-0253	EA		Paint Exterior Wood Door, One Face, 1 Coat Primer, Sprayed.....	25.04	
			<i>For Half Louvered Door, Add</i>	2.08	
			<i>For Full Louvered Door, Add</i>	3.47	
			<i>For >5 To 10, Deduct</i>	-1.25	
			<i>For >10 To 25, Deduct</i>	-2.50	
			<i>For >25, Deduct</i>	-3.76	
09 91 13 00-0254	EA		Paint Exterior Wood Door, One Face, 1 Coat Paint, Sprayed.....	25.04	
			<i>For Half Louvered Door, Add</i>	2.08	
			<i>For Full Louvered Door, Add</i>	3.47	
			<i>For >5 To 10, Deduct</i>	-1.25	
			<i>For >10 To 25, Deduct</i>	-2.50	
			<i>For >25, Deduct</i>	-3.76	
09 91 13 00-0255	EA		Paint Exterior Wood Door, One Face, 2 Coats Paint, Sprayed.....	45.63	
			<i>For Half Louvered Door, Add</i>	3.52	
			<i>For Full Louvered Door, Add</i>	5.86	
			<i>For >5 To 10, Deduct</i>	-2.28	
			<i>For >10 To 25, Deduct</i>	-4.56	
			<i>For >25, Deduct</i>	-6.84	
09 91 13 00-0256	EA		Paint Exterior Wood Door, Both Faces, 1 Coat Primer, Sprayed.....	44.95	
			<i>For Half Louvered Door, Add</i>	3.73	
			<i>For Full Louvered Door, Add</i>	6.22	
			<i>For >5 To 10, Deduct</i>	-2.25	
			<i>For >10 To 25, Deduct</i>	-4.50	
			<i>For >25, Deduct</i>	-6.74	
09 91 13 00-0257	EA		Paint Exterior Wood Door, Both Faces, 1 Coat Paint, Sprayed.....	44.95	
			<i>For Half Louvered Door, Add</i>	3.73	
			<i>For Full Louvered Door, Add</i>	6.22	
			<i>For >5 To 10, Deduct</i>	-2.25	
			<i>For >10 To 25, Deduct</i>	-4.50	
			<i>For >25, Deduct</i>	-6.74	
09 91 13 00-0258	EA		Paint Exterior Wood Door, Both Faces, 2 Coats Paint, Sprayed.....	82.22	
			<i>For Half Louvered Door, Add</i>	6.32	
			<i>For Full Louvered Door, Add</i>	10.53	
			<i>For >5 To 10, Deduct</i>	-4.11	
			<i>For >10 To 25, Deduct</i>	-8.22	
			<i>For >25, Deduct</i>	-12.33	
09 91 13 00-0259	SF		Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Brush/Roller Work.....	1.32	
09 91 13 00-0260	SF		Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Brush/Roller Work.....	1.39	
09 91 13 00-0261	SF		Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Brush/Roller Work.....	2.84	
09 91 13 00-0262	SF		Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Sprayed.....	1.47	
09 91 13 00-0263	SF		Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Sprayed.....	1.54	
09 91 13 00-0264	SF		Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Sprayed.....	2.99	
09 91 13 00-0265			Paint Exterior Metal Windows (09 91 13 00-0219)		
			Note: Two finish coats paint over rust inhibitive primer.		
09 91 13 00-0266	EA		Up To 8 SF Window Size, Paint Exterior Metal Window Including Trim.....	44.31	
			<i>For Electrostatic Painting, Add</i>	5.44	
			<i>For >5 To 10, Deduct</i>	-2.22	
			<i>For >10 To 25, Deduct</i>	-4.43	
			<i>For >25, Deduct</i>	-6.65	
09 91 13 00-0267	EA		>8 To 14 SF Window Size, Paint Exterior Metal Window Including Trim.....	53.77	
			<i>For Electrostatic Painting, Add</i>	6.94	
			<i>For >5 To 10, Deduct</i>	-2.69	
			<i>For >10 To 25, Deduct</i>	-5.38	
			<i>For >25, Deduct</i>	-8.07	
09 91 13 00-0268	EA		>14 To 20 SF Window Size, Paint Exterior Metal Window Including Trim.....	72.59	
			<i>For Electrostatic Painting, Add</i>	9.48	
			<i>For >5 To 10, Deduct</i>	-3.63	
			<i>For >10 To 25, Deduct</i>	-7.26	
			<i>For >25, Deduct</i>	-10.89	
09 91 13 00-0269	EA		>20 To 26 SF Window Size, Paint Exterior Metal Window Including Trim.....	81.75	
			<i>For Electrostatic Painting, Add</i>	10.68	
			<i>For >5 To 10, Deduct</i>	-4.09	
			<i>For >10 To 25, Deduct</i>	-8.18	
			<i>For >25, Deduct</i>	-12.26	



		Finishes	09
		Painting And Coating	09 90
		Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0270 EA >26 To 34 SF Window Size, Paint Exterior Metal Window Including Trim..... <i>For Electrostatic Painting, Add</i> <i>For >5 To 10, Deduct</i> <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	90.64 11.82 -4.53 -9.06 -13.60	
09 91 13 00-0271 SF >34 SF Window Size, Paint Exterior Metal Window Including Trim..... <i>For Electrostatic Painting, Add</i>	2.87 0.37	
09 91 13 00-0272 Paint Exterior Wood Windows (09 91 13 00-0219) Note: Two finish coats paint over primer.		
09 91 13 00-0273 EA Up To 8 SF Window Size, Paint Exterior Wood Window Including Trim..... <i>For >5 To 10, Deduct</i> <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	44.31 -2.22 -4.43 -6.65	
09 91 13 00-0274 EA >8 To 14 SF Window Size, Paint Exterior Wood Window Including Trim <i>For >5 To 10, Deduct</i> <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	53.77 -2.69 -5.38 -8.07	
09 91 13 00-0275 EA >14 To 20 SF Window Size, Paint Exterior Wood Window Including Trim <i>For >5 To 10, Deduct</i> <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	72.59 -3.63 -7.26 -10.89	
09 91 13 00-0276 EA >20 To 26 SF Window Size, Paint Exterior Wood Window Including Trim <i>For >5 To 10, Deduct</i> <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	81.75 -4.09 -8.18 -12.26	
09 91 13 00-0277 EA >26 To 34 SF Window Size, Paint Exterior Wood Window Including Trim <i>For >5 To 10, Deduct</i> <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	90.64 -4.53 -9.06 -13.60	
09 91 13 00-0278 SF >34 SF Window Size, Paint Exterior Wood Window Including Trim.....	3.03	
09 91 13 00-0279 Paint Exterior Security Screens (09 91 13 00-0219)		
09 91 13 00-0280 SF Paint Exterior Security Screen, 1 Coat Primer, Brush/Roller Work..... <i>For Electrostatic Painting, Add</i>	0.73 0.10	
09 91 13 00-0281 SF Paint Exterior Security Screen, 1 Coat Paint, Brush/Roller Work <i>For Electrostatic Painting, Add</i>	0.76 0.09	
09 91 13 00-0282 SF Paint Exterior Security Screen, 2 Coats Paint, Brush/Roller Work..... <i>For Electrostatic Painting, Add</i>	1.25 0.15	
09 91 13 00-0283 Paint Exterior Window Guards (09 91 13 00-0219)		
09 91 13 00-0284 SF Paint Exterior Metal Window Guards, 1 Coat Primer, Brush/Roller Work.....	0.73	
09 91 13 00-0285 SF Paint Exterior Metal Window Guards, 1 Coat Paint, Brush/Roller Work.....	0.76	
09 91 13 00-0286 SF Paint Exterior Metal Window Guards, 2 Coats Paint, Brush/Roller Work.....	1.25	
09 91 13 00-0287 Paint Exterior Window Trim (09 91 13 00-0219)		
09 91 13 00-0288 LF Paint Exterior Wood Window Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.70	
09 91 13 00-0289 LF Paint Exterior Wood Window Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	0.70	
09 91 13 00-0290 LF Paint Exterior Wood Window Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	0.90	
09 91 13 00-0291 LF Paint Exterior Metal Window Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.77	
09 91 13 00-0292 LF Paint Exterior Metal Window Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	0.77	
09 91 13 00-0293 LF Paint Exterior Metal Window Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	1.03	
09 91 13 00-0294 Paint Roofing And Trim (09 91 13)		
09 91 13 00-0295 Paint Stain Or Seal Wood Roofing (09 91 13 00-0294)		
09 91 13 00-0296 SF Stain And Seal Shingles/Shake, 1 Coat, Brush/Roller Work..... <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >250 To 500, Add</i>	1.03 0.50 0.25 0.11	
09 91 13 00-0297 SF Stain And Seal Shingles/Shake, 2 Coats, Brush/Roller Work..... <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >250 To 500, Add</i>	1.92 0.92 0.46 0.20	
09 91 13 00-0298 Paint Metal Roofing (09 91 13 00-0294)		
09 91 13 00-0299 SF Paint Metal Roofing, 1 Coat Paint, Brush/Roller Work..... <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >250 To 500, Add</i>	0.42 0.20 0.10 0.04	
09 91 13 00-0300 SF Paint Metal Roofing, 2 Coats Paint, Brush/Roller Work..... <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >250 To 500, Add</i>	0.74 0.36 0.18 0.08	
09 91 13 00-0301 Paint Fascia Board (09 91 13 00-0294)		

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0302	LF		Paint Fascia Board, 1 Coat Primer, Brush/Roller Work.....	0.42	
			<i>For Up To 100, Add</i>	0.20	
			<i>For >100 To 250, Add</i>	0.10	
			<i>For >250 To 500, Add</i>	0.04	
09 91 13 00-0303	LF		Paint Fascia Board, 1 Coat Paint, Brush/Roller Work.....	0.42	
			<i>For Up To 100, Add</i>	0.20	
			<i>For >100 To 250, Add</i>	0.10	
			<i>For >250 To 500, Add</i>	0.04	
09 91 13 00-0304	LF		Paint Fascia Board, 2 Coats Paint, Brush/Roller Work.....	0.74	
			<i>For Up To 100, Add</i>	0.36	
			<i>For >100 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.08	
09 91 13 00-0305			Paint Soffit <small>(09 91 13 00-0294)</small>		
09 91 13 00-0306	SF		Paint Soffit, 1 Coat Primer, Brush/Roller Work	0.51	
			<i>For Up To 100, Add</i>	0.21	
			<i>For >100 To 250, Add</i>	0.11	
			<i>For >250 To 500, Add</i>	0.05	
09 91 13 00-0307	SF		Paint Soffit, 1 Coat Paint, Brush/Roller Work.....	0.51	
			<i>For Up To 100, Add</i>	0.21	
			<i>For >100 To 250, Add</i>	0.11	
			<i>For >250 To 500, Add</i>	0.05	
09 91 13 00-0308	SF		Paint Soffit, 2 Coats Paint, Brush/Roller Work.....	0.87	
			<i>For Up To 100, Add</i>	0.38	
			<i>For >100 To 250, Add</i>	0.19	
			<i>For >250 To 500, Add</i>	0.09	
09 91 13 00-0309			Special Coatings For Metal Roofs <small>(09 91 13 00-0294)</small>		
09 91 13 00-0310	SF		Carboline Carboxane 950 Coating System With 15 year warranty	5.97	
09 91 13 00-0311	SF		Carboline Carbothane 134HG Coating System With 1 year warranty.....	3.71	
09 91 13 00-0312			Acrylic Elastomeric Coating For All Types Of Roofs <small>(09 91 13 00-0294)</small>		
			Note: Solar reflectance: 0.90/0.84 after 3 years (from www.energy-star.gov).		
09 91 13 00-0313	SF		Cool Roof Acrylic Elastomeric Roof Coating, 2 Coats (20 Mil).....	0.94	
			<i>For Each Coat Of Primer, Add</i>	0.22	
09 91 13 00-0314			Acrylic Latex Elastomeric Coating For All Types Of Roofs <small>(09 91 13 00-0294)</small>		
			Note: (Henry)		
09 91 13 00-0315	SF		Premium Gray Elastomeric Roof Base Coating (Henry 291)	0.53	
09 91 13 00-0316	SF		White Acrylic Latex Roof Coating, 1 Coat (Henry 280DC).....	0.75	
09 91 13 00-0317			Paint Site Work <small>(09 91 13)</small>		
			Note: Tasks can be used for exterior or interior applications.		
09 91 13 00-0318			Paint Structural Steel <small>(09 91 13 00-0317)</small>		
09 91 13 00-0319			Paint Structural Steel, Brush Work <small>(09 91 13 00-0318)</small>		
09 91 13 00-0320	SF		Paint Structural Steel, 1 Field Coat Primer, Brush/Roller Work	0.51	
			<i>For Up To 100, Add</i>	0.32	
			<i>For >100 To 250, Add</i>	0.15	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For Epoxy Paint, Add</i>	0.06	
09 91 13 00-0321	SF		Paint Structural Steel, 1 Field Coat Paint, Brush/Roller Work.....	0.45	
			<i>For Up To 100, Add</i>	0.28	
			<i>For >100 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For Epoxy Paint, Add</i>	0.05	
09 91 13 00-0322			Paint Structural Steel, Spray Work <small>(09 91 13 00-0318)</small>		
09 91 13 00-0323	SF		Paint Structural Steel, 1 Field Coat Primer, Spray Work.....	0.40	
			<i>For Electrostatic Painting, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.24	
			<i>For >100 To 250, Add</i>	0.12	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For Epoxy Paint, Add</i>	0.05	
09 91 13 00-0324	SF		Paint Structural Steel, 1 Field Coat Paint, Spray Work.....	0.33	
			<i>For Electrostatic Painting, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.19	
			<i>For >100 To 250, Add</i>	0.09	
			<i>For >250 To 500, Add</i>	0.04	
			<i>For Epoxy Paint, Add</i>	0.05	
09 91 13 00-0325			Paint Metal Decking, Beams And Bar Joist <small>(09 91 13 00-0318)</small>		



		Finishes	09
		Painting And Coating	09 90
		Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0326 SF Paint Exposed Metal Decking, 1 Coat Primer, Sprayed.....	0.44	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For Epoxy Paint, Add	0.05	
09 91 13 00-0327 SF Paint Exposed Metal Decking, 1 Coat Paint, Sprayed.....	0.44	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For Epoxy Paint, Add	0.05	
09 91 13 00-0328 SF Paint Exposed Metal Decking, 2 Coats Paint, Sprayed.....	0.75	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For Epoxy Paint, Add	0.10	
09 91 13 00-0329 SF Paint Metal Beams And Bar Joists, 1 Coat Primer, Brush/Roller Work.....	0.63	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For Epoxy Paint, Add	0.09	
09 91 13 00-0330 SF Paint Metal Beams And Bar Joists, 1 Coat Paint, Brush/Roller Work.....	0.62	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For Epoxy Paint, Add	0.08	
09 91 13 00-0331 SF Paint Metal Beams And Bar Joists, 2 Coats Paint, Brush/Roller Work.....	1.16	
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For Epoxy Paint, Add	0.16	
09 91 13 00-0332 SF Paint Metal Beams And Bar Joists, 1 Coat Primer, Sprayed.....	0.54	
For Up To 100, Add	0.32	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For Epoxy Paint, Add	0.07	
09 91 13 00-0333 SF Paint Metal Beams And Bar Joists, 1 Coat Paint, Sprayed.....	0.54	
For Up To 100, Add	0.32	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For Epoxy Paint, Add	0.07	
09 91 13 00-0334 SF Paint Metal Beams And Bar Joists, 2 Coats Paint, Sprayed.....	0.92	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For Epoxy Paint, Add	0.13	
09 91 13 00-0335 Paint Steel Pipes <small>(09 91 13 00-0317)</small>		
Note: Includes pipe, tubes, rails, conduit, etc.		
09 91 13 00-0336 LF Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 1 Coat Primer.....	0.87	
For Electrostatic Painting, Add	0.11	
For Epoxy Paint, Add	0.09	
09 91 13 00-0337 LF Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Primer.....	0.98	
For Electrostatic Painting, Add	0.12	
For Epoxy Paint, Add	0.10	
09 91 13 00-0338 LF Paint Steel Pipes 4" Diameter, 1 Coat Primer.....	1.11	
For Electrostatic Painting, Add	0.14	
For Epoxy Paint, Add	0.12	
09 91 13 00-0339 LF Paint Steel Pipes 6" To 8" Diameter, 1 Coat Primer.....	1.37	
For Electrostatic Painting, Add	0.17	
For Epoxy Paint, Add	0.14	
09 91 13 00-0340 LF Paint Steel Pipes 10" To 12" Diameter 1 Coat Primer.....	1.74	
For Electrostatic Painting, Add	0.22	
For Epoxy Paint, Add	0.17	
09 91 13 00-0341 LF Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 1 Coat Paint.....	0.87	
For Electrostatic Painting, Add	0.11	
For Epoxy Paint, Add	0.09	
09 91 13 00-0342 LF Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Paint.....	0.98	
For Electrostatic Painting, Add	0.12	
For Epoxy Paint, Add	0.10	
09 91 13 00-0343 LF Paint Steel Pipes 4" Diameter, 1 Coat Paint.....	1.11	
For Electrostatic Painting, Add	0.14	
For Epoxy Paint, Add	0.12	
09 91 13 00-0344 LF Paint Steel Pipes 6" To 8" Diameter, 1 Coat Paint.....	1.37	
For Electrostatic Painting, Add	0.17	
For Epoxy Paint, Add	0.14	
09 91 13 00-0345 LF Paint Steel Pipes 10" To 12" Diameter 1 Coat Paint.....	1.74	
For Electrostatic Painting, Add	0.22	
For Epoxy Paint, Add	0.17	
09 91 13 00-0346 LF Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 2 Coats.....	1.77	
For Electrostatic Painting, Add	0.24	
For Epoxy Paint, Add	0.21	
09 91 13 00-0347 LF Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 2 Coats.....	1.95	
For Electrostatic Painting, Add	0.25	
For Epoxy Paint, Add	0.20	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0348 LF Paint Steel Pipes 4" Diameter, 2 Coats.....	2.11	
For Electrostatic Painting, Add	0.27	
For Epoxy Paint, Add	0.22	
09 91 13 00-0349 LF Paint Steel Pipes 6" To 8" Diameter, 2 Coats.....	2.66	
For Electrostatic Painting, Add	0.34	
For Epoxy Paint, Add	0.27	
09 91 13 00-0350 LF Paint Steel Pipes 10" To 12" Diameter, 2 Coats.....	3.28	
For Electrostatic Painting, Add	0.42	
For Epoxy Paint, Add	0.34	
09 91 13 00-0351 Paint Fencing <small>(09 91 13 00-0317)</small>		
Note: Per side of fence. Based on gross fence area (length of fence x height of fence).		
09 91 13 00-0352 SF Paint Existing Chain Link Fence, 1 Coat Paint, Brush/Roller.....	0.44	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
09 91 13 00-0353 SF Paint Existing Chain Link Fence, 2 Coats Paint, Brush/Roller.....	0.81	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.51	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
09 91 13 00-0354 SF Paint Existing Chain Link Fence, 1 Coat Paint, Sprayed.....	0.39	
For Epoxy Paint, Add	0.05	
For Electrostatic Painting, Add	0.06	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
09 91 13 00-0355 SF Paint Existing Chain Link Fence, 2 Coats Paint, Sprayed.....	0.73	
For Epoxy Paint, Add	0.10	
For Electrostatic Painting, Add	0.10	
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
09 91 13 00-0356 SF Paint Wrought Iron Fence, 1 Coat Primer, Brush/Roller.....	0.40	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
09 91 13 00-0357 SF Paint Wrought Iron Fence, 1 Coat, Brush/Roller.....	0.38	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
09 91 13 00-0358 SF Paint Wrought Iron Fence, Each Additional Coat, Brush/Roller.....	0.27	
For Epoxy Paint, Add	0.04	
For Up To 100, Add	0.15	
For >100 To 250, Add	0.07	
For >250 To 500, Add	0.03	
09 91 13 00-0359 SF Paint Picket Fence, 1 Coat Primer, Brush/Roller.....	0.52	
For Epoxy Paint, Add	0.04	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
09 91 13 00-0360 SF Paint Picket Fence, 1 Coat, Brush/Roller.....	0.52	
For Epoxy Paint, Add	0.04	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
09 91 13 00-0361 SF Paint Picket Fence, Each Additional Coat, Brush/Roller.....	0.38	
For Epoxy Paint, Add	0.04	
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
09 91 13 00-0362 SF Paint Wood Fences 1 Coat, Brush/Roller.....	0.40	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
09 91 13 00-0363 SF Paint Wood Fences 2 Coats, Brush/Roller.....	0.71	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
09 91 13 00-0364 SF Paint Wood Fences 1 Coat, Sprayed.....	0.32	
For Up To 100, Add	0.17	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.04	
09 91 13 00-0365 SF Paint Wood Fences 2 Coats, Sprayed.....	0.60	
For Up To 100, Add	0.32	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
09 91 13 00-0366 Paint Metal Louvers <small>(09 91 13 00-0317)</small>		
09 91 13 00-0367 SF Paint Ventilation Louver, SF Of Opening Area, 1 Coat Primer, Brush/Roller Work.....	0.72	
For Electrostatic Painting, Add	0.09	



		Finishes	09
		Painting And Coating	09 90
		Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0368 SF Paint Ventilation Louver, SF Of Opening Area, 1 Coat Alkyd, Brush/Roller Work <i>For Electrostatic Painting, Add</i>	0.73 0.09	
09 91 13 00-0369 SF Paint Ventilation Louver, SF Of Opening Area, 2 Coats Alkyd, Brush/Roller Work <i>For Electrostatic Painting, Add</i>	1.47 0.18	
09 91 13 00-0370 Paint Ladders (09 91 13 00-0317)		
09 91 13 00-0371 LF Paint Ladders, 1 Coat Alkyd Primer, Brush/Roller Work <i>For Epoxy Paint, Add</i>	1.95 0.12	
09 91 13 00-0372 LF Paint Ladders, 1 Coat Alkyd Enamel, Brush/Roller Work <i>For Epoxy Paint, Add</i>	2.17 0.13	
09 91 13 00-0373 LF Paint Ladders, 2 Coats Alkyd Enamel, Brush/Roller Work <i>For Epoxy Paint, Add</i>	4.29 0.24	
09 91 13 00-0374 Paint Handrails (09 91 13 00-0317)		
09 91 13 00-0375 LF Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work <i>For Epoxy Paint, Add</i>	0.78 0.06	
09 91 13 00-0376 LF Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work <i>For Epoxy Paint, Add</i>	0.86 0.06	
09 91 13 00-0377 LF Paint Hand Rail And Bracket, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work <i>For Epoxy Paint, Add</i>	1.41 0.09	
09 91 13 00-0378 LF Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work <i>For Epoxy Paint, Add</i>	1.17 0.09	
09 91 13 00-0379 LF Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work <i>For Epoxy Paint, Add</i>	1.30 0.10	
09 91 13 00-0380 LF Paint Pipe Rail And Pickets, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work <i>For Epoxy Paint, Add</i>	2.28 0.16	
09 91 13 00-0381 LF Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Primer, Brush/Roller Work <i>For Epoxy Paint, Add</i>	1.28 0.09	
09 91 13 00-0382 LF Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Enamel, Brush/Roller Work <i>For Epoxy Paint, Add</i>	1.42 0.10	
09 91 13 00-0383 LF Paint Pipe Rail And Pickets, 2 Rails, 2 Coats Alkyd Enamel, Brush/Roller Work <i>For Epoxy Paint, Add</i>	2.44 0.17	
09 91 13 00-0384 LF Paint Balustrades, 1 Coat Alkyd Primer, Brush/Roller Work <i>For Epoxy Paint, Add</i>	0.85 0.09	
09 91 13 00-0385 LF Paint Balustrades, 1 Coat Alkyd Enamel, Brush/Roller Work <i>For Epoxy Paint, Add</i>	0.93 0.10	
09 91 13 00-0386 LF Paint Balustrades, 2 Coats Alkyd Enamel, Brush/Roller Work <i>For Epoxy Paint, Add</i>	1.69 0.19	
09 91 13 00-0387 Paint Grating (09 91 13 00-0317)		
09 91 13 00-0388 SF Paint Gratings And Frames, 1 Coat Primer, Brush/Roller Work <i>For Epoxy Paint, Add</i>	1.42 0.10	
09 91 13 00-0389 SF Paint Gratings And Frames, 1 Coat Paint, Brush/Roller Work <i>For Epoxy Paint, Add</i>	1.44 0.10	
09 91 13 00-0390 SF Paint Gratings And Frames, 2 Coats Paint, Brush/Roller Work <i>For Epoxy Paint, Add</i>	2.17 0.17	
09 91 13 00-0391 Equipment And Tanks (09 91 13 00-0317)		
09 91 13 00-0392 Valves, Primer And Finish Coats (09 91 13 00-0391)		
09 91 13 00-0393 EA Prime And Paint 4" And Smaller Valve	14.65	
09 91 13 00-0394 EA Prime And Paint 6" To 10" Valve	17.96	
09 91 13 00-0395 EA Prime And Paint 12" To 18" Valve	23.64	
09 91 13 00-0396 EA Prime And Paint 20" To 24" Valve	31.66	
09 91 13 00-0397 EA Prime And Paint >24" To 36" Valve	43.01	
09 91 13 00-0398 EA Prime And Paint >36" To 48" Valve	58.61	
09 91 13 00-0399 Pumps And Motors. Primer And Finish Coats (09 91 13 00-0391)		
09 91 13 00-0400 EA Prime And Paint Pump Under 1 HP	44.91	
09 91 13 00-0401 EA Prime And Paint Pump, 1 HP To 5 HP	59.11	
09 91 13 00-0402 EA Prime And Paint Pump, >5 HP To 10 HP	70.96	
09 91 13 00-0403 EA Prime And Paint Pump, >10 HP To 20 HP	79.48	
09 91 13 00-0404 EA Prime And Paint Pump, >20 HP To 30 HP	92.72	
09 91 13 00-0405 EA Prime And Paint Pump, >30 HP To 50 HP	105.99	
09 91 13 00-0406 EA Prime And Paint Pump, >50 HP To 75 HP	116.88	
09 91 13 00-0407 EA Prime And Paint Pump, >75 HP	132.48	
09 91 13 00-0408 Storage Tanks (09 91 13 00-0391)		
09 91 13 00-0409 SF Paint Storage Tank, Exterior Surface, 1 Coat Primer, Roller	0.56	
09 91 13 00-0410 SF Paint Storage Tank, Exterior Surface, 1 Coat Paint, Roller	0.74	
09 91 13 00-0411 SF Paint Storage Tank, Exterior Surface, 2 Coats Paint, Roller	1.41	
09 91 13 00-0412 SF Paint Storage Tank, Interior Surface, 1 Coat Primer, Roller	0.75	
09 91 13 00-0413 SF Paint Storage Tank, Interior Surface, 1 Coat Paint, Roller	0.97	
09 91 13 00-0414 SF Paint Storage Tank, Interior Surface, 2 Coats Paint, Roller	1.84	
09 91 13 00-0415 SF Paint Storage Tank, Exterior Surface, 1 Coat Primer, Spray	0.61	
09 91 13 00-0416 SF Paint Storage Tank, Exterior Surface, 1 Coat Paint, Spray	0.74	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0417	SF	Paint Storage Tank, Exterior Surface, 2 Coats Paint, Spray.....	1.43	
09 91 13 00-0418	SF	Paint Storage Tank, Interior Surface, 1 Coat Primer, Spray.....	0.70	
09 91 13 00-0419	SF	Paint Storage Tank, Interior Surface, 1 Coat Paint, Spray.....	0.93	
09 91 13 00-0420	SF	Paint Storage Tank, Interior Surface, 2 Coats Paint, Spray.....	1.78	
09 91 13 00-0421		Other Site Work Painting (09 91 13 00-0317)		
09 91 13 00-0422		Paint Shutters Or Blinds, Solid Panel (09 91 13 00-0421)		
09 91 13 00-0423	SF	Paint Shutter Or Blinds, Solid Panel, 1 Coat Primer, Brush Work.....	1.54	
09 91 13 00-0424	SF	Paint Shutter Or Blinds, Solid Panel, 1 Coat, Brush Work.....	1.55	
09 91 13 00-0425	SF	Paint Shutter Or Blinds, Solid Panel, 2 Coats, Brush Work.....	2.77	
09 91 13 00-0426	SF	Paint Shutter Or Blinds, Solid Panel, 1 Coat Primer, Sprayed.....	1.02	
09 91 13 00-0427	SF	Paint Shutter Or Blinds, Solid Panel, 1 Coat, Sprayed.....	1.03	
09 91 13 00-0428	SF	Paint Shutter Or Blinds, Solid Panel, 2 Coats, Sprayed.....	1.90	
09 91 13 00-0429		Paint Shutters Or Blinds, Louvered Panel (09 91 13 00-0421)		
09 91 13 00-0430	SF	Paint Shutter Or Blinds, Louvered Panel, 1 Coat Primer, Brush Work.....	1.92	
09 91 13 00-0431	SF	Paint Shutter Or Blinds, Louvered Panel, 1 Coat, Brush Work.....	1.93	
09 91 13 00-0432	SF	Paint Shutter Or Blinds, Louvered Panel, 2 Coats, Brush Work.....	3.42	
09 91 13 00-0433	SF	Paint Shutter Or Blinds, Louvered Panel, 1 Coat Primer, Sprayed.....	1.23	
09 91 13 00-0434	SF	Paint Shutter Or Blinds, Louvered Panel, 1 Coat, Sprayed.....	1.24	
09 91 13 00-0435	SF	Paint Shutter Or Blinds, Louvered Panel, 2 Coats, Sprayed.....	2.29	
09 91 13 00-0436		Paint Flagpoles (09 91 13 00-0421)		
09 91 13 00-0437	EA	Paint Steel Flagpole, 20' High, 1 Coat Paint.....	131.89	
09 91 13 00-0438	EA	Paint Steel Flagpole, 30' High, 1 Coat Paint.....	177.34	
09 91 13 00-0439	EA	Paint Steel Flagpole, 40' High, 1 Coat Paint.....	222.79	
09 91 13 00-0440	EA	Paint Steel Flagpole, 50' High, 1 Coat Paint.....	268.28	
09 91 13 00-0441	EA	Paint Steel Flagpole, 70' High, 1 Coat Paint.....	355.17	
09 91 13 00-0442	EA	Paint Steel Flagpole, 80' High, 1 Coat Paint.....	400.14	
09 91 13 00-0443	EA	Paint Steel Flagpole, 90' High, 1 Coat Paint.....	445.10	
09 91 13 00-0444		Paint Lattice Or Trellis (09 91 13 00-0421)		
09 91 13 00-0445	SF	Paint Wood Lattice Or Trellis 1 Coat, Spray Per Side.....	0.80	
		For Up To 100, Add	0.53	
		For >100 To 250, Add	0.25	
		For >250 To 500, Add	0.11	
09 91 13 00-0446	SF	Paint Wood Lattice Or Trellis 2 Coats, Spray Per Side.....	1.48	
		For Up To 100, Add	0.98	
		For >100 To 250, Add	0.47	
		For >250 To 500, Add	0.20	
09 91 13 00-0447		Paint Exterior Stairs (09 91 13)		
09 91 13 00-0448		Paint Exterior Concrete Stairs (09 91 13 00-0447)		
09 91 13 00-0449	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work.....	8.51	
09 91 13 00-0450	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	8.51	
09 91 13 00-0451	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work.....	11.52	
09 91 13 00-0452	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work.....	20.23	
09 91 13 00-0453	RSR	Paint Exterior Concrete Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work.....	17.02	
09 91 13 00-0454		Paint Exterior Metal Stairs (09 91 13 00-0447)		
09 91 13 00-0455	RSR	Paint Exterior Metal Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work.....	4.44	
		For Oil Based Paint, Add	0.24	
09 91 13 00-0456	RSR	Paint Exterior Metal Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	4.44	
		For Oil Based Paint, Add	0.24	
09 91 13 00-0457	RSR	Paint Exterior Metal Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work.....	8.88	
		For Oil Based Paint, Add	0.48	
09 91 13 00-0458		Paint Exterior Wood Stairs (09 91 13 00-0447)		
09 91 13 00-0459	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work.....	4.44	
09 91 13 00-0460	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	4.43	
09 91 13 00-0461	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work.....	7.44	
09 91 13 00-0462	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work.....	16.15	
09 91 13 00-0463	RSR	Paint Exterior Wood Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work.....	8.88	
09 91 13 00-0464		Paint Exterior Stair Nosing (09 91 13 00-0447)		
09 91 13 00-0465	LF	Paint Exterior Yellow Stair Safety Strip, Up To 2", Non Slip, Brush Work.....	0.86	
09 91 13 00-0466		Paint Exterior Trim (09 91 13)		
09 91 13 00-0467		Paint Exterior Metal Trim And Gutters (09 91 13 00-0466)		



			Finishes	09
			Painting And Coating	09 90
			Painting	09 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0468	SF		Paint Exterior Exposed Metal Trim, 1 Coat Primer, Brush Work.....	0.62	
09 91 13 00-0469	SF		Paint Exterior Exposed Metal Trim, 1 Coat Paint, Brush Work.....	0.62	
09 91 13 00-0470	SF		Paint Exterior Exposed Metal Trim, 2 Coats Paint, Brush Work.....	1.13	
09 91 13 00-0471	SF		Paint Exterior Metal Trim, 1 Coat Primer, Brush/Roller Work.....	0.51	
09 91 13 00-0472	SF		Paint Exterior Metal Trim, 1 Coat Paint, Brush/Roller Work.....	0.57	
09 91 13 00-0473	SF		Paint Exterior Metal Trim, 2 Coats Paint, Brush/Roller Work.....	1.02	
09 91 13 00-0474	LF		Paint Exterior Gutter And Downspout, 1 Coat Paint, Brush Work.....	0.91	
09 91 13 00-0475	LF		Paint Exterior Gutter And Downspout, 2 Coats Paint, Brush Work.....	1.15	
09 91 13 00-0476 Paint Exterior Wood Trim (09 91 13 00-0466)					
09 91 13 00-0477	SF		Paint Exterior Wood Trim, 1 Coat Primer, Brush Work.....	0.87	
			<i>For Oil Based Paint, Add</i>	0.05	
09 91 13 00-0478	SF		Paint Exterior Wood Trim, 1 Coat Paint, Brush Work.....	0.95	
			<i>For Oil Based Paint, Add</i>	0.06	
09 91 13 00-0479	SF		Paint Exterior Wood Trim, 2 Coats Paint, Brush Work.....	1.74	
			<i>For Oil Based Paint, Add</i>	0.11	
09 91 13 00-0480	SF		Paint Exterior Wood Trim, 1 Coat Primer, Brush/Roller Work.....	0.71	
			<i>For Oil Based Paint, Add</i>	0.05	
09 91 13 00-0481	SF		Paint Exterior Wood Trim, 1 Coat Paint, Brush/Roller Work.....	0.78	
			<i>For Oil Based Paint, Add</i>	0.05	
09 91 13 00-0482	SF		Paint Exterior Wood Trim, 2 Coats Paint, Brush/Roller Work.....	1.47	
			<i>For Oil Based Paint, Add</i>	0.10	
09 91 13 00-0483 Paint Exterior Miscellaneous Metal Surfaces (09 91 13)					
09 91 13 00-0484	SF		Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Primer, Brush/Roller Work.....	0.68	
			<i>For Epoxy Paint, Add</i>	0.08	
			<i>For Electrostatic Painting, Add</i>	0.09	
09 91 13 00-0485	SF		Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Enamel, Brush/Roller Work.....	0.63	
			<i>For Epoxy Paint, Add</i>	0.06	
			<i>For Electrostatic Painting, Add</i>	0.08	
09 91 13 00-0486	SF		Paint Exterior Miscellaneous Metal Surfaces, 2 Coats Alkyd Enamel, Brush/Roller Work.....	1.28	
			<i>For Epoxy Paint, Add</i>	0.13	
			<i>For Electrostatic Painting, Add</i>	0.16	
09 91 23 Interior Painting (09 91)					
Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels.					
09 91 23 00-0001 Paint Interior Walls (09 91 23)					
09 91 23 00-0002 Paint Interior Brick Walls (09 91 23 00-0001)					
09 91 23 00-0003	SF		Paint Interior Brick Walls, 1 Coat Filler, Brush Work.....	0.58	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.36	
			<i>For >100 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.12	
09 91 23 00-0004	SF		Paint Interior Brick Walls, 1 Coat Paint, Brush Work.....	0.67	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.41	
			<i>For >100 To 250, Add</i>	0.20	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.13	
09 91 23 00-0005	SF		Paint Interior Brick Walls, 2 Coats Paint, Brush Work.....	1.20	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.72	
			<i>For >100 To 250, Add</i>	0.35	
			<i>For >250 To 500, Add</i>	0.15	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.12	
			<i>For >10,000 To 20,000, Deduct</i>	-0.18	
			<i>For >20,000, Deduct</i>	-0.24	
09 91 23 00-0006	SF		Paint Interior Brick Walls, 1 Coat Filler, Brush/Roller Work.....	0.48	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.28	
			<i>For >100 To 250, Add</i>	0.14	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.10	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0007	SF		Paint Interior Brick Walls, 1 Coat Paint, Brush/Roller Work	0.60	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.34	
			<i>For >100 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.12	
09 91 23 00-0008	SF		Paint Interior Brick Walls, 2 Coats Paint, Brush/Roller Work	1.03	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.57	
			<i>For >100 To 250, Add</i>	0.28	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.10	
			<i>For >10,000 To 20,000, Deduct</i>	-0.15	
			<i>For >20,000, Deduct</i>	-0.21	
09 91 23 00-0009	SF		Paint Interior Brick Walls, 1 Coat Filler, Sprayed	0.43	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.23	
			<i>For >100 To 250, Add</i>	0.11	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 20,000, Deduct</i>	-0.06	
			<i>For >20,000, Deduct</i>	-0.09	
			<i>For Backroll, Add</i>	0.05	
09 91 23 00-0010	SF		Paint Interior Brick Walls, 1 Coat Paint, Sprayed	0.49	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.24	
			<i>For >100 To 250, Add</i>	0.12	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.10	
			<i>For Backroll, Add</i>	0.05	
09 91 23 00-0011	SF		Paint Interior Brick Walls, 2 Coats Paint, Sprayed	0.85	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.42	
			<i>For >100 To 250, Add</i>	0.21	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.17	
			<i>For Backroll, Add</i>	0.09	
09 91 23 00-0012	SF		Paint Interior Brick Walls, 1 Coat Bonding Agent, Brush Work	0.60	
			<i>For Up To 100, Add</i>	0.36	
			<i>For >100 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.12	
09 91 23 00-0013	SF		Paint Interior Brick Walls, 1 Coat Bonding Agent, Brush/Roller Work	0.50	
			<i>For Up To 100, Add</i>	0.29	
			<i>For >100 To 250, Add</i>	0.14	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.08	
			<i>For >20,000, Deduct</i>	-0.10	
09 91 23 00-0014	SF		Paint Interior Brick Walls, 1 Coat Bonding Agent, Spray	0.46	
			<i>For Up To 100, Add</i>	0.24	
			<i>For >100 To 250, Add</i>	0.12	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.09	
			<i>For Backroll, Add</i>	0.05	
09 91 23 00-0015			Paint Interior Concrete Walls (09 91 23 00-0001)	0.50	
09 91 23 00-0016	SF		Paint Interior Concrete Walls, 1 Coat Filler, Brush Work	0.50	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Epoxy Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.31	
			<i>For >100 To 250, Add</i>	0.15	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.08	
			<i>For >20,000, Deduct</i>	-0.10	



Finishes	09	
Painting And Coating	09 90	09
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0017 SF Paint Interior Concrete Walls, 1 Coat Paint, Brush Work.....	0.53	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0018 SF Paint Interior Concrete Walls, 2 Coats Paint, Brush Work.....	0.95	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.08	
For Up To 100, Add	0.64	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0019 SF Paint Interior Concrete Walls, 1 Coat Filler, Brush/Roller Work.....	0.41	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.24	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0020 SF Paint Interior Concrete Walls, 1 Coat Paint, Brush/Roller Work.....	0.45	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 23 00-0021 SF Paint Interior Concrete Walls, 2 Coats Paint, Brush/Roller Work.....	0.82	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.51	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0022 SF Paint Interior Concrete Walls, 1 Coat Filler, Sprayed.....	0.36	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.19	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
For Backroll, Add	0.04	
09 91 23 00-0023 SF Paint Interior Concrete Walls, 1 Coat Paint, Sprayed.....	0.39	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
For Backroll, Add	0.05	
09 91 23 00-0024 SF Paint Interior Concrete Walls, 2 Coats Paint, Sprayed.....	0.64	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
For Backroll, Add	0.08	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0025	SF		Paint Interior Concrete Walls, 1 Coat Bonding Agent, Brush Work.....	0.52	
			<i>For Up To 100, Add</i>	0.31	
			<i>For >100 To 250, Add</i>	0.15	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.08	
			<i>For >20,000, Deduct</i>	-0.10	
09 91 23 00-0026	SF		Paint Interior Concrete Walls, 1 Coat Bonding Agent, Brush/Roller Work	0.43	
			<i>For Up To 100, Add</i>	0.24	
			<i>For >100 To 250, Add</i>	0.12	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 20,000, Deduct</i>	-0.06	
			<i>For >20,000, Deduct</i>	-0.09	
09 91 23 00-0027	SF		Paint Interior Concrete Walls, 1 Coat Bonding Agent, Sprayed	0.38	
			<i>For Up To 100, Add</i>	0.20	
			<i>For >100 To 250, Add</i>	0.10	
			<i>For >250 To 500, Add</i>	0.04	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 20,000, Deduct</i>	-0.06	
			<i>For >20,000, Deduct</i>	-0.08	
			<i>For Backroll, Add</i>	0.04	
09 91 23 00-0028			Paint Interior Concrete Block Walls <small>(09 91 23 00-0001)</small>		
09 91 23 00-0029			Paint Interior Concrete Block Walls, Epoxy Paint <small>(09 91 23 00-0028)</small>		
09 91 23 00-0030	SF		Paint Interior Concrete Block Walls, 1 Coat Epoxy Filler, Brush Work.....	0.69	
			<i>For Up To 100, Add</i>	0.40	
			<i>For >100 To 250, Add</i>	0.19	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.14	
09 91 23 00-0031	SF		Paint Interior Concrete Block Walls, 1 Coat Epoxy Paint, Brush.....	0.79	
			<i>For Up To 100, Add</i>	0.48	
			<i>For >100 To 250, Add</i>	0.23	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.12	
			<i>For >20,000, Deduct</i>	-0.16	
09 91 23 00-0032	SF		Paint Interior Concrete Block Walls, 2 Coats Epoxy Paint, Brush Work.....	1.43	
			<i>For Up To 100, Add</i>	0.84	
			<i>For >100 To 250, Add</i>	0.40	
			<i>For >250 To 500, Add</i>	0.18	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.14	
			<i>For >10,000 To 20,000, Deduct</i>	-0.21	
			<i>For >20,000, Deduct</i>	-0.29	
09 91 23 00-0033	SF		Paint Interior Concrete Block Walls, 1 Coat Epoxy Filler, Brush/Roller Work	0.57	
			<i>For Up To 100, Add</i>	0.31	
			<i>For >100 To 250, Add</i>	0.15	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.11	
09 91 23 00-0034	SF		Paint Interior Concrete Block Walls, 1 Coat Epoxy Paint, Brush/Roller Work	0.63	
			<i>For Up To 100, Add</i>	0.36	
			<i>For >100 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.13	
09 91 23 00-0035	SF		Paint Interior Concrete Block Walls, 2 Coats Epoxy Paint, Brush/Roller Work	1.20	
			<i>For Up To 100, Add</i>	0.67	
			<i>For >100 To 250, Add</i>	0.32	
			<i>For >250 To 500, Add</i>	0.14	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.12	
			<i>For >10,000 To 20,000, Deduct</i>	-0.18	
			<i>For >20,000, Deduct</i>	-0.24	
09 91 23 00-0036	SF		Paint Interior Concrete Block Walls, 1 Coat Epoxy Filler, Sprayed	0.50	
			<i>For Up To 100, Add</i>	0.23	
			<i>For >100 To 250, Add</i>	0.12	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.08	
			<i>For >20,000, Deduct</i>	-0.10	
			<i>For Backroll, Add</i>	0.05	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0037 SF Paint Interior Concrete Block Walls, 1 Coat Epoxy Paint, Sprayed.....	0.60	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
For Backroll, Add	0.07	
09 91 23 00-0038 SF Paint Interior Concrete Block Walls, 2 Coats Epoxy Paint, Sprayed.....	1.08	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
For Backroll, Add	0.11	
09 91 23 00-0039 Paint Interior Concrete Block Walls, Acrylic Latex Paint (09 91 23 00-0028)		
09 91 23 00-0040 SF Paint Interior Concrete Block Walls, 1 Coat Filler, Brush Work.....	0.63	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.13	
09 91 23 00-0041 SF Paint Interior Concrete Block Walls, 1 Coat Paint, Brush Work.....	0.75	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0042 SF Paint Interior Concrete Block Walls, 2 Coats Paint, Brush Work	1.37	
For Oil Based Paint, Add	0.09	
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.27	
09 91 23 00-0043 SF Paint Interior Concrete Block Walls, Texture Coat, Brush Work	0.83	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.51	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 23 00-0044 SF Paint Interior Concrete Block Walls, 1 Coat Filler, Brush/Roller Work	0.54	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0045 SF Paint Interior Concrete Block Walls, 1 Coat Paint, Brush/Roller Work.....	0.64	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0046 SF Paint Interior Concrete Block Walls, 2 Coats Paint, Brush/Roller Work	1.16	
For Oil Based Paint, Add	0.08	
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0047 SF Paint Interior Concrete Block Walls, Texture Coat, Brush/Roller Work.....	0.72	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.43	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0048 SF Paint Interior Concrete Block Walls, 1 Coat Filler, Sprayed.....	0.49	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
For Backroll, Add	0.06	
09 91 23 00-0049 SF Paint Interior Concrete Block Walls, 1 Coat Paint, Sprayed.....	0.57	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	
For Backroll, Add	0.06	
09 91 23 00-0050 SF Paint Interior Concrete Block Walls, 2 Coats Paint, Sprayed.....	0.80	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
For Backroll, Add	0.09	
09 91 23 00-0051 SF Paint Interior Concrete Block Walls, Texture Coat, Sprayed.....	0.66	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.34	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
For Backroll, Add	0.07	
09 91 23 00-0052 Paint Interior Concrete Block Walls With Bonding Agent (09 91 23 00-0028)	0.65	
09 91 23 00-0053 SF Paint Interior Concrete Block Walls, 1 Coat Bonding Agent, Brush.....	0.65	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0054 SF Paint Interior Concrete Block Walls, 1 Coat Bonding Agent, Brush/Roller Work.....	0.56	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0055 SF Paint Interior Concrete Block Walls, 1 Coat Bonding Agent, Sprayed.....	0.52	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
For Backroll, Add	0.06	
09 91 23 00-0056 Paint Interior Plaster/Drywall Walls (09 91 23 00-0001)		
09 91 23 00-0057 Paint Interior Plaster/Drywall Walls (09 91 23 00-0056)		



Finishes	09	
Painting And Coating	09 90	9
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0058 SF Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Brush Work	0.52	
For Oil Based Paint, Add	0.03	
For Orange Peel Finish, Add	0.07	
For Up To 100, Add	0.32	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 23 00-0059 SF Paint Interior Plaster/Drywall Walls, 1 Coat Paint, Brush Work.....	0.54	
For Oil Based Paint, Add	0.03	
For Orange Peel Finish, Add	0.08	
For Each Coat With Egg Shell Finish, Add	0.01	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0060 SF Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Brush Work.....	0.98	
For Oil Based Paint, Add	0.06	
For Orange Peel Finish, Add	0.14	
For Each Coat With Egg Shell Finish, Add	0.01	
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0061 SF Paint Interior Plaster/Drywall Walls, 3 Coats Paint, Brush	1.41	
For Oil Based Paint, Add	0.08	
For Orange Peel Finish, Add	0.19	
For Each Coat With Egg Shell Finish, Add	0.01	
For Up To 100, Add	0.90	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 23 00-0062 SF Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Brush/Roller Work.....	0.42	
For Oil Based Paint, Add	0.03	
For Orange Peel Finish, Add	0.06	
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0063 SF Paint Interior Plaster/Drywall Walls, 1 Coat Paint, Brush/Roller Work	0.47	
For Oil Based Paint, Add	0.03	
For Orange Peel Finish, Add	0.06	
For Each Coat With Egg Shell Finish, Add	0.01	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 23 00-0064 SF Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Brush/Roller Work	0.82	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.11	
For Each Coat With Egg Shell Finish, Add	0.01	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0065 SF Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Sprayed.....	0.34	
For Oil Based Paint, Add	0.02	
For Up To 100, Add	0.18	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
For Backroll, Add	0.04	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0066	SF		Paint Interior Plaster/Drywall Walls, 1 Coat Paint, Sprayed.....	0.39	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Each Coat With Egg Shell Finish, Add</i>	0.01	
			<i>For Up To 100, Add</i>	0.23	
			<i>For >100 To 250, Add</i>	0.11	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 20,000, Deduct</i>	-0.06	
			<i>For >20,000, Deduct</i>	-0.08	
			<i>For Backroll, Add</i>	0.05	
09 91 23 00-0067	SF		Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Sprayed.....	0.64	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Each Coat With Egg Shell Finish, Add</i>	0.01	
			<i>For Up To 100, Add</i>	0.35	
			<i>For >100 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.13	
			<i>For Backroll, Add</i>	0.08	
09 91 23 00-0068			Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color Paint <small>(09 91 23 00-0056)</small>		
09 91 23 00-0069	SF		Paint Interior Plaster/Drywall Or Masonry Walls, 2 Tone Polymix With Base Coat, Sprayed.....	1.15	
			<i>For Up To 100, Add</i>	0.48	
			<i>For >100 To 250, Add</i>	0.24	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.12	
			<i>For >10,000 To 20,000, Deduct</i>	-0.17	
			<i>For >20,000, Deduct</i>	-0.23	
09 91 23 00-0070	SF		Paint Interior Plaster/Drywall Or Masonry Walls, 3 Tone Polymix With Base Coat, Sprayed.....	1.26	
			<i>For Up To 100, Add</i>	0.50	
			<i>For >100 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.13	
			<i>For >10,000 To 20,000, Deduct</i>	-0.19	
			<i>For >20,000, Deduct</i>	-0.25	
09 91 23 00-0071	SF		Paint Interior Plaster/Drywall Or Masonry Walls, 4 Tone Polymix With Base Coat, Sprayed.....	1.37	
			<i>For Up To 100, Add</i>	0.51	
			<i>For >100 To 250, Add</i>	0.26	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.14	
			<i>For >10,000 To 20,000, Deduct</i>	-0.21	
			<i>For >20,000, Deduct</i>	-0.27	
09 91 23 00-0072			Paint Interior Plaster/Drywall Walls, Acoustic Texture <small>(09 91 23 00-0056)</small>		
09 91 23 00-0073	SF		Paint Interior Plaster/Drywall Walls, Acoustic Texture, 1 Coat Primer, Sprayed.....	0.45	
			<i>For Up To 100, Add</i>	0.24	
			<i>For >100 To 250, Add</i>	0.12	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.09	
09 91 23 00-0074	SF		Paint Interior Plaster/Drywall Walls, Acoustic Texture, 1 Coat Finish, Sprayed.....	0.53	
			<i>For Up To 100, Add</i>	0.30	
			<i>For >100 To 250, Add</i>	0.14	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.08	
			<i>For >20,000, Deduct</i>	-0.11	
09 91 23 00-0075	SF		Paint Interior Plaster/Drywall Walls, Acoustic Texture, 2 Coats Finish, Sprayed.....	0.84	
			<i>For Up To 100, Add</i>	0.43	
			<i>For >100 To 250, Add</i>	0.21	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.17	
09 91 23 00-0076	SF		Paint Interior Plaster/Drywall Walls, Stipple Finish (Drippowder).....	0.78	
			<i>For Up To 100, Add</i>	0.54	
			<i>For >100 To 250, Add</i>	0.26	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.12	
			<i>For >20,000, Deduct</i>	-0.16	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0077 Paint Interior Metal Walls <small>(09 91 23 00-0001)</small>		
09 91 23 00-0078 Paint Interior Galvanized Walls <small>(09 91 23 00-0077)</small>		
Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0079 SF Paint Interior Galvanized Wall Surfaces, 1 Coat Primer, Brush Work.....	0.60	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0080 SF Paint Interior Galvanized Wall Surfaces, 1 Coat Paint, Brush Work.....	0.66	
For Electrostatic Painting, Add	0.09	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0081 SF Paint Interior Galvanized Wall Surfaces, 2 Coats Paint, Brush Work	1.20	
For Electrostatic Painting, Add	0.17	
For Up To 100, Add	0.72	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0082 SF Paint Interior Galvanized Walls, 1 Coat Primer, Brush/Roller Work.....	0.45	
For Electrostatic Painting, Add	0.06	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 23 00-0083 SF Paint Interior Galvanized Wall , 1 Coat Paint, Brush/Roller Work.....	0.52	
For Electrostatic Painting, Add	0.07	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 23 00-0084 SF Paint Interior Galvanized Walls, 2 Coats Paint, Brush/Roller Work	0.96	
For Electrostatic Painting, Add	0.14	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0085 SF Paint Interior Galvanized Walls, 1 Coat Primer, Sprayed	0.37	
For Electrostatic Painting, Add	0.06	
For Up To 100, Add	0.18	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.07	
For Backroll, Add	0.04	
09 91 23 00-0086 SF Paint Interior Galvanized Walls, 1 Coat Paint, Sprayed.....	0.49	
For Electrostatic Painting, Add	0.07	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
For Backroll, Add	0.06	

09	Finishes
09 90	Painting And Coating
09 91	Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0087	SF		Paint Interior Galvanized Walls, 2 Coats Paint, Sprayed	0.81	
			<i>For Electrostatic Painting, Add</i>	0.13	
			<i>For Up To 100, Add</i>	0.40	
			<i>For >100 To 250, Add</i>	0.20	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.12	
			<i>For >20,000, Deduct</i>	-0.16	
			<i>For Backroll, Add</i>	0.09	
09 91 23 00-0088			Paint Interior Aluminum And Aluminum Alloy Walls (09 91 23 00-0077)		
			Note: Alkyd enamel paint.		
09 91 23 00-0089	SF		Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Primer, Brush Work.....	0.60	
			<i>For Electrostatic Painting, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.36	
			<i>For >100 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.12	
09 91 23 00-0090	SF		Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Paint, Brush Work	0.66	
			<i>For Electrostatic Painting, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.41	
			<i>For >100 To 250, Add</i>	0.19	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.13	
09 91 23 00-0091	SF		Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 2 Coats Paint, Brush Work.....	1.20	
			<i>For Electrostatic Painting, Add</i>	0.17	
			<i>For Up To 100, Add</i>	0.72	
			<i>For >100 To 250, Add</i>	0.35	
			<i>For >250 To 500, Add</i>	0.15	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.12	
			<i>For >10,000 To 20,000, Deduct</i>	-0.18	
			<i>For >20,000, Deduct</i>	-0.24	
09 91 23 00-0092	SF		Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Brush/Roller Work.....	0.50	
			<i>For Electrostatic Painting, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.27	
			<i>For >100 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.08	
			<i>For >20,000, Deduct</i>	-0.10	
09 91 23 00-0093	SF		Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Brush/Roller Work	0.56	
			<i>For Electrostatic Painting, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.32	
			<i>For >100 To 250, Add</i>	0.15	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.08	
			<i>For >20,000, Deduct</i>	-0.11	
09 91 23 00-0094	SF		Paint Interior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Brush/Roller Work.....	1.04	
			<i>For Electrostatic Painting, Add</i>	0.16	
			<i>For Up To 100, Add</i>	0.58	
			<i>For >100 To 250, Add</i>	0.28	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.10	
			<i>For >10,000 To 20,000, Deduct</i>	-0.16	
			<i>For >20,000, Deduct</i>	-0.21	
09 91 23 00-0095	SF		Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Sprayed.....	0.41	
			<i>For Electrostatic Painting, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.21	
			<i>For >100 To 250, Add</i>	0.10	
			<i>For >250 To 500, Add</i>	0.04	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 20,000, Deduct</i>	-0.06	
			<i>For >20,000, Deduct</i>	-0.08	
			<i>For Backroll, Add</i>	0.04	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0096 SF Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Sprayed.....	0.49	
For Electrostatic Painting, Add	0.07	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
For Backroll, Add	0.06	
09 91 23 00-0097 SF Paint Interior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Sprayed.....	0.81	
For Electrostatic Painting, Add	0.13	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
For Backroll, Add	0.09	
09 91 23 00-0098 Paint Interior Corrugated Metal Walls (09 91 23 00-0077)		
09 91 23 00-0099 SF Paint Interior Corrugated Metal Walls, 1 Coat Primer, Sprayed.....	0.46	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
For Backroll, Add	0.05	
09 91 23 00-0100 SF Paint Interior Corrugated Metal Walls, 1 Coat Paint, Sprayed.....	0.63	
For Electrostatic Painting, Add	0.09	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.13	
For Backroll, Add	0.07	
09 91 23 00-0101 SF Paint Interior Corrugated Metal Walls, 2 Coats Paint, Sprayed.....	1.03	
For Electrostatic Painting, Add	0.16	
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.21	
For Backroll, Add	0.12	
09 91 23 00-0102 Paint Interior Stucco Walls (09 91 23 00-0001)		
09 91 23 00-0103 SF Paint Interior Stucco Wall Surfaces, 1 Coat Primer, Brush Work.....	0.83	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 23 00-0104 SF Paint Interior Stucco Wall Surfaces, 1 Coat Paint, Brush Work.....	0.92	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.60	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 23 00-0105 SF Paint Interior Stucco Wall Surfaces, 2 Coats Paint, Brush Work.....	1.64	
For Oil Based Paint, Add	0.10	
For Up To 100, Add	1.05	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	

09 Finishes**09 90 Painting And Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0106	SF	Paint Interior Stucco Walls, 1 Coat Primer, Brush/Roller Work.....	0.64
		<i>For Oil Based Paint, Add</i>	0.04
		<i>For Up To 100, Add</i>	0.40
		<i>For >100 To 250, Add</i>	0.19
		<i>For >250 To 500, Add</i>	0.08
		<i>For >2,500 To 5,000, Deduct</i>	-0.03
		<i>For >5,000 To 10,000, Deduct</i>	-0.06
		<i>For >10,000 To 20,000, Deduct</i>	-0.10
		<i>For >20,000, Deduct</i>	-0.13
09 91 23 00-0107	SF	Paint Interior Stucco Walls, 1 Coat Paint, Brush/Roller Work	0.72
		<i>For Oil Based Paint, Add</i>	0.04
		<i>For Up To 100, Add</i>	0.45
		<i>For >100 To 250, Add</i>	0.21
		<i>For >250 To 500, Add</i>	0.09
		<i>For >2,500 To 5,000, Deduct</i>	-0.04
		<i>For >5,000 To 10,000, Deduct</i>	-0.07
		<i>For >10,000 To 20,000, Deduct</i>	-0.11
		<i>For >20,000, Deduct</i>	-0.14
09 91 23 00-0108	SF	Paint Interior Stucco Walls, 2 Coats Paint, Brush/Roller Work	1.33
		<i>For Oil Based Paint, Add</i>	0.08
		<i>For Up To 100, Add</i>	0.82
		<i>For >100 To 250, Add</i>	0.39
		<i>For >250 To 500, Add</i>	0.17
		<i>For >2,500 To 5,000, Deduct</i>	-0.07
		<i>For >5,000 To 10,000, Deduct</i>	-0.13
		<i>For >10,000 To 20,000, Deduct</i>	-0.20
		<i>For >20,000, Deduct</i>	-0.27
09 91 23 00-0109	SF	Paint Interior Stucco Walls, 1 Coat Primer, Sprayed.....	0.48
		<i>For Oil Based Paint, Add</i>	0.03
		<i>For Up To 100, Add</i>	0.27
		<i>For >100 To 250, Add</i>	0.13
		<i>For >250 To 500, Add</i>	0.06
		<i>For >2,500 To 5,000, Deduct</i>	-0.02
		<i>For >5,000 To 10,000, Deduct</i>	-0.05
		<i>For >10,000 To 20,000, Deduct</i>	-0.07
		<i>For >20,000, Deduct</i>	-0.10
		<i>For Backroll, Add</i>	0.06
09 91 23 00-0110	SF	Paint Interior Stucco Walls, 1 Coat Paint, Sprayed.....	0.59
		<i>For Oil Based Paint, Add</i>	0.04
		<i>For Up To 100, Add</i>	0.33
		<i>For >100 To 250, Add</i>	0.16
		<i>For >250 To 500, Add</i>	0.07
		<i>For >2,500 To 5,000, Deduct</i>	-0.03
		<i>For >5,000 To 10,000, Deduct</i>	-0.06
		<i>For >10,000 To 20,000, Deduct</i>	-0.09
		<i>For >20,000, Deduct</i>	-0.12
		<i>For Backroll, Add</i>	0.07
09 91 23 00-0111	SF	Paint Interior Stucco Walls, 2 Coats Paint, Sprayed	1.15
		<i>For Oil Based Paint, Add</i>	0.07
		<i>For Up To 100, Add</i>	0.66
		<i>For >100 To 250, Add</i>	0.32
		<i>For >250 To 500, Add</i>	0.14
		<i>For >2,500 To 5,000, Deduct</i>	-0.06
		<i>For >5,000 To 10,000, Deduct</i>	-0.12
		<i>For >10,000 To 20,000, Deduct</i>	-0.17
		<i>For >20,000, Deduct</i>	-0.23
		<i>For Backroll, Add</i>	0.14
09 91 23 00-0112		Paint Interior Wood Walls <small>(09 91 23 00-0001)</small>	
09 91 23 00-0113		Interior Wood Walls <small>(09 91 23 00-0112)</small>	
09 91 23 00-0114	SF	Paint Interior Wood Wall Surfaces, 1 Coat Paint, Brush Work.....	0.63
		<i>For Oil Based Paint, Add</i>	0.04
		<i>For Up To 100, Add</i>	0.41
		<i>For >100 To 250, Add</i>	0.19
		<i>For >250 To 500, Add</i>	0.08
		<i>For >2,500 To 5,000, Deduct</i>	-0.03
		<i>For >5,000 To 10,000, Deduct</i>	-0.06
		<i>For >10,000 To 20,000, Deduct</i>	-0.09
		<i>For >20,000, Deduct</i>	-0.13
09 91 23 00-0115	SF	Paint Interior Wood Wall Surfaces, 2 Coats Paint, Brush Work	1.15
		<i>For Oil Based Paint, Add</i>	0.07
		<i>For Up To 100, Add</i>	0.74
		<i>For >100 To 250, Add</i>	0.35
		<i>For >250 To 500, Add</i>	0.15
		<i>For >2,500 To 5,000, Deduct</i>	-0.06
		<i>For >5,000 To 10,000, Deduct</i>	-0.12
		<i>For >10,000 To 20,000, Deduct</i>	-0.17
		<i>For >20,000, Deduct</i>	-0.23



Finishes	09	
Painting And Coating	09 90	09
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0116 SF Paint Interior Wood Wall Surfaces, 3 Coats Paint, Brush Work.....	1.63	
For Oil Based Paint, Add	0.10	
For Up To 100, Add	1.03	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.33	
09 91 23 00-0117 SF Paint Interior Wood Walls, 1 Coat Primer, Brush/Roller Work	0.46	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 23 00-0118 SF Paint Interior Wood Walls, 1 Coat Paint, Brush/Roller Work.....	0.52	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.32	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 23 00-0119 SF Paint Interior Wood Walls, 2 Coats Paint, Brush/Roller Work.....	0.90	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 23 00-0120 SF Paint Interior Wood Walls, 1 Coat Primer, Sprayed.....	0.34	
For Oil Based Paint, Add	0.02	
For Up To 100, Add	0.18	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
For Backroll, Add	0.04	
09 91 23 00-0121 SF Paint Interior Wood Walls, 1 Coat Paint, Sprayed	0.44	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.24	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
For Backroll, Add	0.05	
09 91 23 00-0122 SF Paint Interior Wood Walls, 2 Coats Paint, Sprayed.....	0.81	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
For Backroll, Add	0.09	
 09 91 23 00-0123 Paint Interior Ceilings (09 91 23)		
09 91 23 00-0124 Paint Interior Acoustical Ceilings (09 91 23 00-0123)		
Note: Includes grid.		
09 91 23 00-0125 SF Paint Interior Acoustical Ceiling, 1 Coat Primer, Brush Work	0.56	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0126	SF		Paint Interior Acoustical Ceiling, 1 Coat Paint, Brush Work.....	0.61	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.40	
			<i>For >100 To 250, Add</i>	0.19	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.12	
09 91 23 00-0127	SF		Paint Interior Acoustical Ceiling, 2 Coats Paint, Brush Work	1.07	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.70	
			<i>For >100 To 250, Add</i>	0.33	
			<i>For >250 To 500, Add</i>	0.14	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.11	
			<i>For >10,000 To 20,000, Deduct</i>	-0.16	
			<i>For >20,000, Deduct</i>	-0.21	
09 91 23 00-0128	SF		Paint Interior Acoustical Ceiling, 1 Coat Primer, Brush/Roller Work	0.49	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.30	
			<i>For >100 To 250, Add</i>	0.14	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.10	
09 91 23 00-0129	SF		Paint Interior Acoustical Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.48	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.31	
			<i>For >100 To 250, Add</i>	0.15	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.10	
09 91 23 00-0130	SF		Paint Interior Acoustical Ceiling, 2 Coats Paint, Brush/Roller Work.....	0.87	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.55	
			<i>For >100 To 250, Add</i>	0.26	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.17	
09 91 23 00-0131	SF		Paint Interior Acoustical Ceiling, 1 Coat Primer, Sprayed.....	0.45	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.26	
			<i>For >100 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.09	
			<i>For Backroll, Add</i>	0.05	
09 91 23 00-0132	SF		Paint Interior Acoustical Ceiling, 1 Coat Paint, Sprayed	0.43	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.26	
			<i>For >100 To 250, Add</i>	0.12	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 20,000, Deduct</i>	-0.06	
			<i>For >20,000, Deduct</i>	-0.09	
			<i>For Backroll, Add</i>	0.05	
09 91 23 00-0133	SF		Paint Interior Acoustical Ceiling, 2 Coats Paint, Sprayed.....	0.70	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.40	
			<i>For >100 To 250, Add</i>	0.19	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.14	
			<i>For Backroll, Add</i>	0.08	

09 91 23 00-0134 Paint Interior Concrete Ceilings (09 91 23 00-0123)



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0135 SF Paint Interior Concrete Ceiling, 1 Coat Filler, Brush Work.....	0.56	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0136 SF Paint Interior Concrete Ceiling, 1 Coat Paint, Brush Work.....	0.60	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0137 SF Paint Interior Concrete Ceiling, 2 Coats Paint, Brush Work.....	1.07	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.70	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0138 SF Paint Interior Concrete Ceiling, 1 Coat Filler, Brush/Roller Work.....	0.44	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 23 00-0139 SF Paint Interior Concrete Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.48	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 23 00-0140 SF Paint Interior Concrete Ceiling, 2 Coats Paint, Brush/Roller Work.....	0.87	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0141 SF Paint Interior Concrete Ceiling, 1 Coat Filler, Sprayed	0.43	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.24	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.09	
For Backroll, Add	0.05	
09 91 23 00-0142 SF Paint Interior Concrete Ceiling, 1 Coat Paint, Sprayed	0.43	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.09	
For Backroll, Add	0.05	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0143	SF		Paint Interior Concrete Ceiling, 2 Coats Paint, Sprayed	0.68	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Epoxy Paint, Add</i>	0.10	
			<i>For Up To 100, Add</i>	0.38	
			<i>For >100 To 250, Add</i>	0.19	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.14	
			<i>For Backroll, Add</i>	0.08	
09 91 23 00-0144	SF		Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Brush Work.....	0.58	
			<i>For Up To 100, Add</i>	0.36	
			<i>For >100 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.12	
09 91 23 00-0145	SF		Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Brush/Roller.....	0.46	
			<i>For Up To 100, Add</i>	0.27	
			<i>For >100 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.09	
09 91 23 00-0146	SF		Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Sprayed.....	0.45	
			<i>For Up To 100, Add</i>	0.25	
			<i>For >100 To 250, Add</i>	0.12	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.09	
			<i>For Backroll, Add</i>	0.05	
09 91 23 00-0147			Paint Interior Drywall/Plaster Ceilings (09 91 23 00-0123)		
09 91 23 00-0148	SF		Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Brush Work.....	0.56	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Orange Peel Finish, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.35	
			<i>For >100 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.08	
			<i>For >20,000, Deduct</i>	-0.11	
09 91 23 00-0149	SF		Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Brush Work	0.61	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Orange Peel Finish, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.40	
			<i>For >100 To 250, Add</i>	0.19	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.12	
09 91 23 00-0150	SF		Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Brush Work.....	1.07	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Orange Peel Finish, Add</i>	0.15	
			<i>For Up To 100, Add</i>	0.70	
			<i>For >100 To 250, Add</i>	0.33	
			<i>For >250 To 500, Add</i>	0.14	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.11	
			<i>For >10,000 To 20,000, Deduct</i>	-0.16	
			<i>For >20,000, Deduct</i>	-0.21	
09 91 23 00-0151	SF		Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.49	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Orange Peel Finish, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.30	
			<i>For >100 To 250, Add</i>	0.14	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.10	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0152 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.48	
For Oil Based Paint, Add	0.03	
For Orange Peel Finish, Add	0.07	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 23 00-0153 SF Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Brush/Roller Work.....	0.87	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.12	
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0154 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Sprayed.....	0.45	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
For Backroll, Add	0.05	
09 91 23 00-0155 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Sprayed.....	0.43	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.09	
For Backroll, Add	0.05	
09 91 23 00-0156 SF Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Sprayed.....	0.70	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
For Backroll, Add	0.08	
09 91 23 00-0157 Paint Interior Metal Ceilings (09 91 23 00-0123)		
09 91 23 00-0158 Galvanized Surfaces, Galvanized Primer (09 91 23 00-0157)		
Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0159 SF Paint Interior Galvanized Ceiling, 1 Coat Primer, Brush Work.....	0.66	
For Electrostatic Painting, Add	0.09	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0160 SF Paint Interior Galvanized Ceiling, 1 Coat Paint, Brush Work.....	0.73	
For Electrostatic Painting, Add	0.10	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0161 SF Paint Interior Galvanized Ceiling, 2 Coats Paint, Brush Work.....	1.33	
For Electrostatic Painting, Add	0.18	
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0162 SF Paint Interior Galvanized Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.51	
For Electrostatic Painting, Add	0.07	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 23 00-0163 SF Paint Interior Galvanized Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.57	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	
09 91 23 00-0164 SF Paint Interior Galvanized Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.06	
For Electrostatic Painting, Add	0.14	
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0165 SF Paint Interior Galvanized Ceiling, 1 Coat Primer, Sprayed.....	0.49	
For Electrostatic Painting, Add	0.07	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
For Backroll, Add	0.06	
09 91 23 00-0166 SF Paint Interior Galvanized Ceiling, 1 Coat Paint, Sprayed.....	0.56	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.32	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
For Backroll, Add	0.07	
09 91 23 00-0167 SF Paint Interior Galvanized Ceiling, 2 Coats Paint, Sprayed.....	0.90	
For Electrostatic Painting, Add	0.14	
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
For Backroll, Add	0.10	
09 91 23 00-0168 Aluminum And Aluminum Alloy Surface Pretreatment Primer <small>(09 91 23 00-0157)</small>		
Note: Alkyd enamel paint.		
09 91 23 00-0169 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush Work.....	0.66	
For Electrostatic Painting, Add	0.09	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0170 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush Work.....	0.73	
For Electrostatic Painting, Add	0.10	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0171 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush Work.....	1.33	
For Electrostatic Painting, Add	0.18	
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 23 00-0172 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.56	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.32	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0173 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.62	
For Electrostatic Painting, Add	0.09	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0174 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.17	
For Electrostatic Painting, Add	0.17	
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.23	
09 91 23 00-0175 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Sprayed.....	0.49	
For Electrostatic Painting, Add	0.07	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
For Backroll, Add	0.06	
09 91 23 00-0176 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Sprayed.....	0.56	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.32	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
For Backroll, Add	0.07	
09 91 23 00-0177 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Sprayed.....	0.90	
For Electrostatic Painting, Add	0.14	
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
For Backroll, Add	0.10	
09 91 23 00-0178 Paint Interior Ceiling Tile Grid (09 91 23 00-0157)		
Note: Grid only.		
09 91 23 00-0179 LF Paint Interior Ceiling Tile Grid, 1 Coat Paint, Brush/Roller Work.....	0.14	
For Electrostatic Painting, Add	0.02	
For Up To 100, Add	0.09	
For >100 To 250, Add	0.04	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0180	LF		Paint Interior Ceiling Tile Grid, 2 Coats Paint, Brush/Roller Work.....	0.28	
			<i>For Electrostatic Painting, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.19	
			<i>For >100 To 250, Add</i>	0.09	
			<i>For >250 To 500, Add</i>	0.04	
			<i>For >2,500 To 5,000, Deduct</i>	-0.01	
			<i>For >5,000 To 10,000, Deduct</i>	-0.03	
			<i>For >10,000 To 20,000, Deduct</i>	-0.04	
			<i>For >20,000, Deduct</i>	-0.06	
09 91 23 00-0181			Paint Interior Corrugated Metal Ceilings (09 91 23 00-0157)	0.66	
09 91 23 00-0182	SF		Paint Interior Corrugated Metal Ceiling, 1 Coat Primer, Sprayed.....	0.66	
			<i>For Electrostatic Painting, Add</i>	0.10	
			<i>For Up To 100, Add</i>	0.36	
			<i>For >100 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.13	
			<i>For Backroll, Add</i>	0.08	
09 91 23 00-0183	SF		Paint Interior Corrugated Metal Ceiling, 1 Coat Paint, Sprayed.....	0.76	
			<i>For Electrostatic Painting, Add</i>	0.11	
			<i>For Up To 100, Add</i>	0.43	
			<i>For >100 To 250, Add</i>	0.21	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.15	
			<i>For Backroll, Add</i>	0.09	
09 91 23 00-0184	SF		Paint Interior Corrugated Metal Ceiling, 2 Coats Paint, Sprayed.....	1.21	
			<i>For Electrostatic Painting, Add</i>	0.19	
			<i>For Up To 100, Add</i>	0.63	
			<i>For >100 To 250, Add</i>	0.31	
			<i>For >250 To 500, Add</i>	0.14	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.12	
			<i>For >10,000 To 20,000, Deduct</i>	-0.18	
			<i>For >20,000, Deduct</i>	-0.24	
			<i>For Backroll, Add</i>	0.14	
09 91 23 00-0185			Paint Interior Wood Ceilings (09 91 23 00-0123)		
09 91 23 00-0186			Paint Interior Smooth Wood Ceilings (09 91 23 00-0185)		
09 91 23 00-0187	SF		Paint Interior Wood Smooth Ceiling, 1 Coat Primer, Brush Work.....	0.69	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.43	
			<i>For >100 To 250, Add</i>	0.20	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.14	
09 91 23 00-0188	SF		Paint Interior Wood Smooth Ceiling, 1 Coat Paint, Brush Work.....	0.71	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.45	
			<i>For >100 To 250, Add</i>	0.22	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.14	
09 91 23 00-0189	SF		Paint Interior Wood Smooth Ceiling, 2 Coats Paint, Brush Work.....	1.29	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.81	
			<i>For >100 To 250, Add</i>	0.39	
			<i>For >250 To 500, Add</i>	0.17	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.13	
			<i>For >10,000 To 20,000, Deduct</i>	-0.19	
			<i>For >20,000, Deduct</i>	-0.26	
09 91 23 00-0190	SF		Paint Interior Smooth Wood Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.56	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.32	
			<i>For >100 To 250, Add</i>	0.15	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.08	
			<i>For >20,000, Deduct</i>	-0.11	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0191 SF Paint Interior Smooth Wood Ceiling, 1 Coat Paint, Brush/Roller Work	0.60	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0192 SF Paint Interior Smooth Wood Ceiling, 2 Coats Paint, Brush/Roller Work	1.13	
For Oil Based Paint, Add	0.07	
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 23 00-0193 SF Paint Interior Smooth Wood Ceiling, 1 Coat Primer, Sprayed.....	0.45	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
For Backroll, Add	0.05	
09 91 23 00-0194 SF Paint Interior Smooth Wood Ceiling, 1 Coat Paint, Sprayed.....	0.53	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.32	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
For Backroll, Add	0.07	
09 91 23 00-0195 SF Paint Interior Smooth Wood Ceiling, 2 Coats Paint, Sprayed.....	0.82	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
For Backroll, Add	0.10	
09 91 23 00-0196 Paint Interior Wood Beams (09 91 23 00-0123)		
09 91 23 00-0197 SF Paint Interior Wood Beams, 1 Coat Primer, Brush Work	0.75	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0198 SF Paint Interior Wood Beams, 1 Coat Paint, Brush Work.....	0.76	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0199 SF Paint Interior Wood Beams, 2 Coats Paint, Brush Work.....	1.40	
For Oil Based Paint, Add	0.08	
For Up To 100, Add	0.89	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 23 00-0200 SF Paint Interior Wood Beams, 1 Coat Primer, Brush/Roller Work.....	0.61	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0201	SF		Paint Interior Wood Beams, 1 Coat Paint, Brush/Roller Work	0.60	
			For Oil Based Paint, Add	0.04	
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 23 00-0202	SF		Paint Interior Wood Beams, 2 Coats Paint, Brush/Roller Work.....	1.13	
			For Oil Based Paint, Add	0.07	
			For Up To 100, Add	0.67	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 23 00-0203	SF		Paint Interior Wood Beams, 1 Coat Primer, Sprayed.....	0.53	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.32	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
			For Backroll, Add	0.07	
09 91 23 00-0204	SF		Paint Interior Wood Beams, 1 Coat Paint, Sprayed	0.53	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.32	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
			For Backroll, Add	0.07	
09 91 23 00-0205	SF		Paint Interior Wood Beams, 2 Coats Paint, Sprayed	0.89	
			For Oil Based Paint, Add	0.06	
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
			For Backroll, Add	0.11	
09 91 23 00-0206			Paint Interior Floors And Decks (09 91 23)		
09 91 23 00-0207			Paint Interior Concrete Floors And Decks (09 91 23 00-0206)		
09 91 23 00-0208	SF		Paint Interior Concrete Floors And Decks, 1 Coat Primer, Brush Work.....	0.44	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.06	
			For Up To 100, Add	0.26	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 23 00-0209	SF		Paint Interior Concrete Floors And Decks, 1 Coat Paint, Brush Work.....	0.48	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.05	
			For Up To 100, Add	0.31	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	
09 91 23 00-0210	SF		Paint Interior Concrete Floors And Decks, 2 Coats Paint, Brush Work.....	0.92	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.10	
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0211 SF Paint Interior Concrete Floors And Decks, 1 Coat Primer, Brush/Roller Work.....	0.43	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.09	
09 91 23 00-0212 SF Paint Interior Concrete Floors And Decks, 1 Coat Paint, Brush/Roller Work.....	0.42	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0213 SF Paint Interior Concrete Floors And Decks, 2 Coats Paint, Brush/Roller Work.....	0.67	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0214 SF Paint Interior Concrete Floors And Decks, 1 Coat Primer, Sprayed.....	0.34	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.18	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
For Backroll, Add	0.04	
09 91 23 00-0215 SF Paint Interior Concrete Floors And Decks, 1 Coat Paint, Sprayed.....	0.35	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.20	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
For Backroll, Add	0.04	
09 91 23 00-0216 SF Paint Interior Concrete Floors And Decks, 2 Coats Paint, Sprayed.....	0.61	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
For Backroll, Add	0.07	
09 91 23 00-0217 SF Paint Interior Concrete Floors And Decks, 1 Coat Bonding Agent, Brush.....	0.46	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 23 00-0218 SF Paint Interior Concrete Floors And Decks, 1 Coat Bonding Agent, Brush/Roller Work.....	0.45	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0219	SF		Paint Interior Concrete Floors And Decks, 1 Coat Bonding Agent, Sprayed.....	0.36	
			For Up To 100, Add	0.18	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.07	
			For Backroll, Add	0.04	
09 91 23 00-0220	SF		Paint Interior Concrete Floors And Decks, 1 Coat Non Slip Paint, Brush Work.....	1.19	
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 23 00-0221	SF		Paint Interior Concrete Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work (Rust-Oleum® AS91864251).....	3.37	
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.17	
			For >5,000 To 10,000, Deduct	-0.34	
			For >10,000 To 20,000, Deduct	-0.51	
			For >20,000, Deduct	-0.67	
09 91 23 00-0222			Paint Interior Wood Floors And Decks (09 91 23 00-0206)		
09 91 23 00-0223	SF		Paint Interior Wood Floors And Decks, 1 Coat Primer, Brush Work	0.54	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.32	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 23 00-0224	SF		Paint Interior Wood Floors And Decks, 1 Coat Paint, Brush Work.....	0.58	
			For Oil Based Paint, Add	0.04	
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 23 00-0225	SF		Paint Interior Wood Floors And Decks, 2 Coats Paint, Brush Work.....	1.10	
			For Oil Based Paint, Add	0.07	
			For Up To 100, Add	0.67	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 23 00-0226	SF		Paint Interior Wood Floors And Decks, 1 Coat Primer, Brush/Roller Work.....	0.44	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 23 00-0227	SF		Paint Interior Wood Floors And Decks, 1 Coat Paint, Brush/Roller Work	0.48	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.27	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	
09 91 23 00-0228	SF		Paint Interior Wood Floors And Decks, 2 Coats Paint, Brush/Roller Work.....	0.93	
			For Oil Based Paint, Add	0.06	
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0229 SF Paint Interior Wood Floors And Decks, 1 Coat Primer, Sprayed.....	0.37	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.20	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.07	
For Backroll, Add	0.04	
09 91 23 00-0230 SF Paint Interior Wood Floors And Decks, 1 Coat Paint, Sprayed.....	0.45	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
For Backroll, Add	0.05	
09 91 23 00-0231 SF Paint Interior Wood Floors And Decks, 2 Coats Paint, Sprayed	0.66	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.34	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
For Backroll, Add	0.07	
09 91 23 00-0232 SF Paint Interior Wood Floors And Decks, 1 Coat Non Slip Paint, Brush Work	1.19	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0233 SF Paint Interior Wood Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work.....	3.37	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.17	
For >5,000 To 10,000, Deduct	-0.34	
For >10,000 To 20,000, Deduct	-0.51	
For >20,000, Deduct	-0.67	
09 91 23 00-0234 Paint Interior Doors And Windows (09 91 23)		
09 91 23 00-0235 Paint Interior Door Frames (09 91 23 00-0234)		
09 91 23 00-0236 LF Paint Interior Wood Door Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.63	
For Oil Based Paint, Add	0.04	
For Painting One Face Of Frame Only, Deduct	-0.17	
09 91 23 00-0237 LF Paint Interior Wood Door Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	0.82	
For Oil Based Paint, Add	0.05	
For Painting One Face Of Frame Only, Deduct	-0.22	
09 91 23 00-0238 LF Paint Interior Wood Door Frame And Trim, 2 Coats Paint, Brush/Roller Work	1.37	
For Oil Based Paint, Add	0.08	
For Painting One Face Of Frame Only, Deduct	-0.36	
09 91 23 00-0239 LF Paint Interior Metal Door Frame And Trim, 1 Coat Primer, Brush/Roller Work	0.62	
For Oil Based Paint, Add	0.03	
For Painting One Face Of Frame Only, Deduct	-0.17	
09 91 23 00-0240 LF Paint Interior Metal Door Frame And Trim, 1 Coat Paint, Brush/Roller Work	0.81	
For Oil Based Paint, Add	0.04	
For Painting One Face Of Frame Only, Deduct	-0.21	
09 91 23 00-0241 LF Paint Interior Metal Door Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	1.36	
For Oil Based Paint, Add	0.07	
For Painting One Face Of Frame Only, Deduct	-0.36	
09 91 23 00-0242 Paint Interior Metal Doors (09 91 23 00-0234)		
09 91 23 00-0243 EA Paint Interior Metal Door, One Face, 1 Coat Primer, Brush/Roller Work	28.77	
For Electrostatic Painting, Add	4.40	
For Half Louvered Door, Add	2.79	
For Full Louvered Door, Add	4.66	
For Oil Based Paint, Add	1.95	
For >5 To 10, Deduct	-1.44	
For >10 To 25, Deduct	-2.88	
For >25, Deduct	-4.32	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0244 EA Paint Interior Metal Door, One Face, 1 Coat Paint, Brush/Roller Work.....	28.77	
For Electrostatic Painting, Add	4.40	
For Half Louvered Door, Add	2.79	
For Full Louvered Door, Add	4.66	
For Oil Based Paint, Add	1.95	
For >5 To 10, Deduct	-1.44	
For >10 To 25, Deduct	-2.88	
For >25, Deduct	-4.32	
09 91 23 00-0245 EA Paint Interior Metal Door, One Face, 2 Coats Paint, Brush/Roller Work.....	51.61	
For Electrostatic Painting, Add	8.19	
For Half Louvered Door, Add	4.72	
For Full Louvered Door, Add	7.86	
For Oil Based Paint, Add	3.59	
For >5 To 10, Deduct	-2.58	
For >10 To 25, Deduct	-5.16	
For >25, Deduct	-7.74	
09 91 23 00-0246 EA Paint Interior Metal Door, Both Faces, 1 Coat Primer, Brush/Roller Work.....	51.62	
For Electrostatic Painting, Add	7.90	
For Half Louvered Door, Add	5.01	
For Full Louvered Door, Add	8.35	
For Oil Based Paint, Add	3.49	
For >5 To 10, Deduct	-2.58	
For >10 To 25, Deduct	-5.16	
For >25, Deduct	-7.74	
09 91 23 00-0247 EA Paint Interior Metal Door, Both Faces, 1 Coat Paint, Brush/Roller Work.....	51.62	
For Electrostatic Painting, Add	7.90	
For Half Louvered Door, Add	5.01	
For Full Louvered Door, Add	8.35	
For Oil Based Paint, Add	3.49	
For >5 To 10, Deduct	-2.58	
For >10 To 25, Deduct	-5.16	
For >25, Deduct	-7.74	
09 91 23 00-0248 EA Paint Interior Metal Door, Both Faces, 2 Coats Paint, Brush/Roller Work.....	92.96	
For Electrostatic Painting, Add	14.77	
For Half Louvered Door, Add	8.47	
For Full Louvered Door, Add	14.12	
For Oil Based Paint, Add	6.47	
For >5 To 10, Deduct	-4.65	
For >10 To 25, Deduct	-9.30	
For >25, Deduct	-13.94	
09 91 23 00-0249 EA Paint Interior Metal Door, One Face, 1 Coat Primer, Sprayed.....	25.04	
For Electrostatic Painting, Add	4.18	
For Half Louvered Door, Add	2.08	
For Full Louvered Door, Add	3.47	
For Oil Based Paint, Add	1.81	
For >5 To 10, Deduct	-1.25	
For >10 To 25, Deduct	-2.50	
For >25, Deduct	-3.76	
For Backroll, Add	2.64	
09 91 23 00-0250 EA Paint Interior Metal Door, One Face, 1 Coat Paint, Sprayed.....	25.04	
For Electrostatic Painting, Add	4.18	
For Half Louvered Door, Add	2.08	
For Full Louvered Door, Add	3.47	
For Oil Based Paint, Add	1.81	
For >5 To 10, Deduct	-1.25	
For >10 To 25, Deduct	-2.50	
For >25, Deduct	-3.76	
For Backroll, Add	2.64	
09 91 23 00-0251 EA Paint Interior Metal Door, One Face, 2 Coats Paint, Sprayed.....	45.62	
For Electrostatic Painting, Add	7.89	
For Half Louvered Door, Add	3.52	
For Full Louvered Door, Add	5.86	
For Oil Based Paint, Add	3.39	
For >5 To 10, Deduct	-2.28	
For >10 To 25, Deduct	-4.56	
For >25, Deduct	-6.84	
For Backroll, Add	4.63	
09 91 23 00-0252 EA Paint Interior Metal Door, Both Faces, 1 Coat Primer, Sprayed.....	44.95	
For Electrostatic Painting, Add	7.50	
For Half Louvered Door, Add	3.73	
For Full Louvered Door, Add	6.22	
For Oil Based Paint, Add	3.25	
For >5 To 10, Deduct	-2.25	
For >10 To 25, Deduct	-4.50	
For >25, Deduct	-6.74	
For Backroll, Add	4.74	
09 91 23 00-0253 EA Paint Interior Metal Door, Both Faces, 1 Coat Paint, Sprayed.....	44.95	
For Electrostatic Painting, Add	7.50	
For Half Louvered Door, Add	3.73	
For Full Louvered Door, Add	6.22	
For Oil Based Paint, Add	3.25	
For >5 To 10, Deduct	-2.25	
For >10 To 25, Deduct	-4.50	
For >25, Deduct	-6.74	
For Backroll, Add	4.74	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0254 EA Paint Interior Metal Door, Both Faces, 2 Coats Paint, Sprayed.....	82.22	
For Electrostatic Painting, Add	14.24	
For Half Louvered Door, Add	6.32	
For Full Louvered Door, Add	10.53	
For Oil Based Paint, Add	6.12	
For >5 To 10, Deduct	-4.11	
For >10 To 25, Deduct	-8.22	
For >25, Deduct	-12.33	
For Backroll, Add	8.32	
09 91 23 00-0255 Paint Interior Wood Doors (09 91 23 00-0234)		
09 91 23 00-0256 EA Paint Interior Wood Door, One Face, 1 Coat Primer, Brush/Roller Work.....	28.77	
For Oil Based Paint, Add	1.95	
For Half Louvered Door, Add	2.79	
For Full Louvered Door, Add	4.66	
For >5 To 10, Deduct	-1.44	
For >10 To 25, Deduct	-2.88	
For >25, Deduct	-4.32	
09 91 23 00-0257 EA Paint Interior Wood Door, One Face, 1 Coat Paint, Brush/Roller Work.....	28.77	
For Oil Based Paint, Add	1.95	
For Half Louvered Door, Add	2.79	
For Full Louvered Door, Add	4.66	
For >5 To 10, Deduct	-1.44	
For >10 To 25, Deduct	-2.88	
For >25, Deduct	-4.32	
09 91 23 00-0258 EA Paint Interior Wood Door, One Face, 2 Coats Paint, Brush/Roller Work.....	51.62	
For Oil Based Paint, Add	3.59	
For Half Louvered Door, Add	4.72	
For Full Louvered Door, Add	7.87	
For >5 To 10, Deduct	-2.58	
For >10 To 25, Deduct	-5.16	
For >25, Deduct	-7.74	
09 91 23 00-0259 EA Paint Interior Wood Door, Both Faces, 1 Coat Primer, Brush/Roller Work.....	51.62	
For Oil Based Paint, Add	3.49	
For Half Louvered Door, Add	5.01	
For Full Louvered Door, Add	8.35	
For >5 To 10, Deduct	-2.58	
For >10 To 25, Deduct	-5.16	
For >25, Deduct	-7.74	
09 91 23 00-0260 EA Paint Interior Wood Door, Both Faces, 1 Coat Paint, Brush/Roller Work.....	51.62	
For Oil Based Paint, Add	3.49	
For Half Louvered Door, Add	5.01	
For Full Louvered Door, Add	8.35	
For >5 To 10, Deduct	-2.58	
For >10 To 25, Deduct	-5.16	
For >25, Deduct	-7.74	
09 91 23 00-0261 EA Paint Interior Wood Door, Both Faces, 2 Coats Paint, Brush/Roller Work.....	92.96	
For Oil Based Paint, Add	6.47	
For Half Louvered Door, Add	8.47	
For Full Louvered Door, Add	14.12	
For >5 To 10, Deduct	-4.65	
For >10 To 25, Deduct	-9.30	
For >25, Deduct	-13.94	
09 91 23 00-0262 EA Paint Interior Wood Door, One Face, 1 Coat Primer, Sprayed.....	25.04	
For Oil Based Paint, Add	1.81	
For Half Louvered Door, Add	2.08	
For Full Louvered Door, Add	3.47	
For >5 To 10, Deduct	-1.25	
For >10 To 25, Deduct	-2.50	
For >25, Deduct	-3.76	
For Backroll, Add	2.64	
09 91 23 00-0263 EA Paint Interior Wood Door, One Face, 1 Coat Paint, Sprayed.....	25.04	
For Oil Based Paint, Add	1.81	
For Half Louvered Door, Add	2.08	
For Full Louvered Door, Add	3.47	
For >5 To 10, Deduct	-1.25	
For >10 To 25, Deduct	-2.50	
For >25, Deduct	-3.76	
For Backroll, Add	2.64	
09 91 23 00-0264 EA Paint Interior Wood Door, One Face, 2 Coats Paint, Sprayed.....	45.63	
For Oil Based Paint, Add	3.39	
For Half Louvered Door, Add	3.52	
For Full Louvered Door, Add	5.86	
For >5 To 10, Deduct	-2.28	
For >10 To 25, Deduct	-4.56	
For >25, Deduct	-6.84	
For Backroll, Add	4.63	
09 91 23 00-0265 EA Paint Interior Wood Door, Both Faces, 1 Coat Primer, Sprayed.....	44.95	
For Oil Based Paint, Add	3.25	
For Half Louvered Door, Add	3.73	
For Full Louvered Door, Add	6.22	
For >5 To 10, Deduct	-2.25	
For >10 To 25, Deduct	-4.50	
For >25, Deduct	-6.74	
For Backroll, Add	4.74	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0266	EA		Paint Interior Wood Door, Both Faces, 1 Coat Paint, Sprayed	44.95	
			<i>For Oil Based Paint, Add</i>	3.25	
			<i>For Half Louvered Door, Add</i>	3.73	
			<i>For Full Louvered Door, Add</i>	6.22	
			<i>For >5 To 10, Deduct</i>	-2.25	
			<i>For >10 To 25, Deduct</i>	-4.50	
			<i>For >25, Deduct</i>	-6.74	
			<i>For Backroll, Add</i>	4.74	
09 91 23 00-0267	EA		Paint Interior Wood Door, Both Faces, 2 Coats Paint, Sprayed.....	82.22	
			<i>For Oil Based Paint, Add</i>	6.12	
			<i>For Half Louvered Door, Add</i>	6.32	
			<i>For Full Louvered Door, Add</i>	10.53	
			<i>For >5 To 10, Deduct</i>	-4.11	
			<i>For >10 To 25, Deduct</i>	-8.22	
			<i>For >25, Deduct</i>	-12.33	
			<i>For Backroll, Add</i>	8.32	
09 91 23 00-0268 Paint Interior Metal Windows (09 91 23 00-0234)					
Note: Two finish coats paint over rust inhibitive primer.					
09 91 23 00-0269	EA		Up To 8 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work.....	48.49	
			<i>For Oil Based Paint, Add</i>	2.76	
			<i>For Electrostatic Painting, Add</i>	5.86	
			<i>For >5 To 10, Deduct</i>	-2.42	
			<i>For >10 To 25, Deduct</i>	-4.85	
			<i>For >25, Deduct</i>	-7.27	
09 91 23 00-0270	EA		>8 To 14 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	58.58	
			<i>For Oil Based Paint, Add</i>	3.45	
			<i>For Electrostatic Painting, Add</i>	7.42	
			<i>For >5 To 10, Deduct</i>	-2.93	
			<i>For >10 To 25, Deduct</i>	-5.86	
			<i>For >25, Deduct</i>	-8.79	
09 91 23 00-0271	EA		>14 To 20 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	79.01	
			<i>For Oil Based Paint, Add</i>	4.69	
			<i>For Electrostatic Painting, Add</i>	10.12	
			<i>For >5 To 10, Deduct</i>	-3.95	
			<i>For >10 To 25, Deduct</i>	-7.90	
			<i>For >25, Deduct</i>	-11.85	
09 91 23 00-0272	EA		>20 To 26 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	88.98	
			<i>For Oil Based Paint, Add</i>	5.29	
			<i>For Electrostatic Painting, Add</i>	11.41	
			<i>For >5 To 10, Deduct</i>	-4.45	
			<i>For >10 To 25, Deduct</i>	-8.90	
			<i>For >25, Deduct</i>	-13.35	
09 91 23 00-0273	EA		>26 To 34 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	98.67	
			<i>For Oil Based Paint, Add</i>	5.85	
			<i>For Electrostatic Painting, Add</i>	12.63	
			<i>For >5 To 10, Deduct</i>	-4.93	
			<i>For >10 To 25, Deduct</i>	-9.87	
			<i>For >25, Deduct</i>	-14.80	
09 91 23 00-0274	SF		>34 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	3.13	
			<i>For Oil Based Paint, Add</i>	0.19	
			<i>For Electrostatic Painting, Add</i>	0.40	
09 91 23 00-0275 Wood Windows (09 91 23 00-0234)					
Note: Two finish coats paint over primer.					
09 91 23 00-0276	EA		Up To 8 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work	48.49	
			<i>For Oil Based Paint, Add</i>	2.76	
			<i>For >5 To 10, Deduct</i>	-2.42	
			<i>For >10 To 25, Deduct</i>	-4.85	
			<i>For >25, Deduct</i>	-7.27	
09 91 23 00-0277	EA		>8 To 14 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work	58.58	
			<i>For Oil Based Paint, Add</i>	3.45	
			<i>For >5 To 10, Deduct</i>	-2.93	
			<i>For >10 To 25, Deduct</i>	-5.86	
			<i>For >25, Deduct</i>	-8.79	
09 91 23 00-0278	EA		>14 To 20 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work.....	80.31	
			<i>For Oil Based Paint, Add</i>	4.76	
			<i>For >5 To 10, Deduct</i>	-4.02	
			<i>For >10 To 25, Deduct</i>	-8.03	
			<i>For >25, Deduct</i>	-12.05	
09 91 23 00-0279	EA		>20 To 26 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work.....	90.44	
			<i>For Oil Based Paint, Add</i>	5.36	
			<i>For >5 To 10, Deduct</i>	-4.52	
			<i>For >10 To 25, Deduct</i>	-9.04	
			<i>For >25, Deduct</i>	-13.57	
09 91 23 00-0280	EA		>26 To 34 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work.....	98.67	
			<i>For Oil Based Paint, Add</i>	5.85	
			<i>For >5 To 10, Deduct</i>	-4.93	
			<i>For >10 To 25, Deduct</i>	-9.87	
			<i>For >25, Deduct</i>	-14.80	
09 91 23 00-0281	SF		>34 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work.....	3.29	
			<i>For Oil Based Paint, Add</i>	0.19	



Finishes	09	
Painting And Coating	09 90	9
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0282 Paint Interior Security Screens <small>(09 91 23 00-0234)</small>		
09 91 23 00-0283 SF Paint Interior Security Screen, 1 Coat Primer, Brush/Roller Work.....	0.73	
<i>For Oil Based Paint, Add</i>	0.04	
<i>For Electrostatic Painting, Add</i>	0.10	
09 91 23 00-0284 SF Paint Interior Security Screen, 1 Coat Paint, Brush/Roller Work.....	0.76	
<i>For Oil Based Paint, Add</i>	0.04	
<i>For Electrostatic Painting, Add</i>	0.09	
09 91 23 00-0285 SF Paint Interior Security Screen, 2 Coats Paint, Brush/Roller Work.....	1.25	
<i>For Oil Based Paint, Add</i>	0.07	
<i>For Electrostatic Painting, Add</i>	0.15	
09 91 23 00-0286 Paint Interior Window Guards <small>(09 91 23 00-0234)</small>		
09 91 23 00-0287 SF Paint Interior Metal Window Guards, 1 Coat Primer, Brush/Roller Work.....	0.73	
<i>For Oil Based Paint, Add</i>	0.04	
09 91 23 00-0288 SF Paint Interior Metal Window Guards, 1 Coat Paint, Brush/Roller Work.....	0.76	
<i>For Oil Based Paint, Add</i>	0.04	
09 91 23 00-0289 SF Paint Interior Metal Window Guards, 2 Coats Paint, Brush/Roller Work.....	1.25	
<i>For Oil Based Paint, Add</i>	0.07	
09 91 23 00-0290 Paint Interior Window Trim <small>(09 91 23 00-0234)</small>		
09 91 23 00-0291 LF Paint Interior Wood Window Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.76	
<i>For Oil Based Paint, Add</i>	0.05	
<i>For Painting One Face Of Frame Only, Deduct</i>	-0.22	
09 91 23 00-0292 LF Paint Interior Wood Window Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	0.76	
<i>For Oil Based Paint, Add</i>	0.05	
<i>For Painting One Face Of Frame Only, Deduct</i>	-0.22	
09 91 23 00-0293 LF Paint Interior Wood Window Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	0.96	
<i>For Oil Based Paint, Add</i>	0.07	
<i>For Painting One Face Of Frame Only, Deduct</i>	-0.30	
09 91 23 00-0294 LF Paint Interior Metal Window Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.79	
Note: Brush/roller work.		
<i>For Painting One Face Of Frame Only, Deduct</i>	-0.23	
09 91 23 00-0295 LF Paint Interior Metal Window Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	0.79	
Note: Brush/roller work.		
<i>For Painting One Face Of Frame Only, Deduct</i>	-0.23	
09 91 23 00-0296 LF Paint Interior Metal Window Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	1.02	
Note: Brush/roller work.		
<i>For Painting One Face Of Frame Only, Deduct</i>	-0.32	
09 91 23 00-0297 Paint Interior Cabinets And Casework <small>(09 91 23)</small>		
09 91 23 00-0298 Paint Interior Wood Cabinets And Casework <small>(09 91 23 00-0297)</small>		
09 91 23 00-0299 SF Paint Interior Wood Cabinets And Casework, 1 Coat Paint, Brush/Roller Work.....	0.69	
<i>For >5,000 To 10,000, Deduct</i>	-0.03	
<i>For >10,000 To 20,000, Deduct</i>	-0.07	
<i>For >20,000, Deduct</i>	-0.10	
09 91 23 00-0300 SF Paint Interior Wood Cabinets And Casework, 1 Coat Enamel Primer, 1 Coat Alkyd Or Latex Paint, Brush/Roller Work.....	0.97	
<i>For >5,000 To 10,000, Deduct</i>	-0.05	
<i>For >10,000 To 20,000, Deduct</i>	-0.10	
<i>For >20,000, Deduct</i>	-0.15	
09 91 23 00-0301 SF Paint Interior Wood Cabinets And Casework, 1 Coat Enamel Primer, 2 Coats Alkyd Or Latex Paint, Brush/Roller Work.....	1.60	
<i>For >5,000 To 10,000, Deduct</i>	-0.08	
<i>For >10,000 To 20,000, Deduct</i>	-0.16	
<i>For >20,000, Deduct</i>	-0.24	
09 91 23 00-0302 Paint Exposed Metal Lockers <small>(09 91 23 00-0297)</small>		
09 91 23 00-0303 SF Paint Exposed Metal Locker, 1 Coat Primer, Brush/Roller Work.....	0.68	
<i>For >5,000 To 10,000, Deduct</i>	-0.03	
<i>For >10,000 To 20,000, Deduct</i>	-0.07	
<i>For >20,000, Deduct</i>	-0.10	
09 91 23 00-0304 SF Paint Exposed Metal Locker, 1 Coat Alkyd Enamel, Brush/Roller Work.....	0.70	
<i>For >5,000 To 10,000, Deduct</i>	-0.04	
<i>For >10,000 To 20,000, Deduct</i>	-0.07	
<i>For >20,000, Deduct</i>	-0.11	
09 91 23 00-0305 SF Paint Exposed Metal Locker, 2 Coats Alkyd Enamel, Brush/Roller Work.....	1.28	
<i>For >5,000 To 10,000, Deduct</i>	-0.06	
<i>For >10,000 To 20,000, Deduct</i>	-0.13	
<i>For >20,000, Deduct</i>	-0.19	
09 91 23 00-0306 Paint Interior Stairs <small>(09 91 23)</small>		
09 91 23 00-0307 Paint Interior Concrete Stairs <small>(09 91 23 00-0306)</small>		
Note: Includes the riser and tread.		
09 91 23 00-0308 RSR Paint Interior Concrete Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work.....	9.42	
09 91 23 00-0309 RSR Paint Interior Concrete Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	9.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0310 RSR Paint Interior Concrete Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work .....7.91 Note: Excludes riser.	7.91	
09 91 23 00-0311 RSR Paint Interior Concrete Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work .....16.62 Note: Excludes riser.	16.62	
09 91 23 00-0312 RSR Paint Interior Concrete Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work .....18.83	18.83	
09 91 23 00-0313 Paint Interior Metal Stairs (09 91 23 00-0306) Note: Includes the riser and tread.		
09 91 23 00-0314 RSR Paint Interior Metal Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work .....5.09	5.09	
09 91 23 00-0315 RSR Paint Interior Metal Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work .....4.89	4.89	
09 91 23 00-0316 RSR Paint Interior Metal Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work .....9.79	9.79	
09 91 23 00-0317 Paint Interior Wood Stairs (09 91 23 00-0306) Note: Includes the riser and tread.		
09 91 23 00-0318 RSR Paint Interior Wood Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work .....4.89	4.89	
09 91 23 00-0319 RSR Paint Interior Wood Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work .....4.89	4.89	
09 91 23 00-0320 RSR Paint Interior Wood Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work .....5.64 Note: Excludes riser.	5.64	
09 91 23 00-0321 RSR Paint Interior Wood Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work .....14.35 Note: Excludes riser.	14.35	
09 91 23 00-0322 RSR Paint Interior Wood Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work .....9.78	9.78	
09 91 23 00-0323 Paint Interior Stair Nosing (09 91 23 00-0306)		
09 91 23 00-0324 LF Paint Interior Yellow Stair Safety Strip, Up To 2", Non Slip, Brush Work .....0.86	0.86	
09 91 23 00-0325 Paint Interior Trim (09 91 23)		
09 91 23 00-0326 Paint Interior Metal Trim (09 91 23 00-0325)		
09 91 23 00-0327 SF Paint Interior Exposed Metal Trim, 1 Coat Primer, Brush Work .....0.68	0.68	
09 91 23 00-0328 SF Paint Interior Exposed Metal Trim, 1 Coat Paint, Brush Work .....0.68	0.68	
09 91 23 00-0329 SF Paint Interior Exposed Metal Trim, 2 Coats Paint, Brush Work .....1.24	1.24	
09 91 23 00-0330 SF Paint Interior Metal Trim, 1 Coat Primer, Brush/Roller Work .....0.68	0.68	
09 91 23 00-0331 SF Paint Interior Metal Trim, 1 Coat Paint, Brush/Roller Work .....0.68	0.68	
09 91 23 00-0332 SF Paint Interior Metal Trim, 2 Coats Paint, Brush/Roller Work .....1.24	1.24	
09 91 23 00-0333 Paint Interior Wood Trim (09 91 23 00-0325)		
09 91 23 00-0334 LF Paint Interior Wood Trim To 6" Wide, 1 Coat Primer, Brush Work .....0.43 <i>For Oil Based Paint, Add</i> 0.02	0.43	
09 91 23 00-0335 LF Paint Interior Wood Trim To 6" Wide, 1 Coat Paint, Brush Work .....0.48 <i>For Oil Based Paint, Add</i> 0.03	0.48	
09 91 23 00-0336 LF Paint Interior Wood Trim To 6" Wide, 2 Coats Paint .....0.99 <i>For Oil Based Paint, Add</i> 0.05	0.99	
09 91 23 00-0337 SF Paint Interior Wood Trim, 1 Coat Primer, Brush Work .....1.33 <i>For Oil Based Paint, Add</i> 0.08	1.33	
09 91 23 00-0338 SF Paint Interior Wood Trim, 1 Coat Paint, Brush Work .....1.48 <i>For Oil Based Paint, Add</i> 0.08	1.48	
09 91 23 00-0339 SF Paint Interior Wood Trim, 2 Coats Paint, Brush Work .....3.16 <i>For Oil Based Paint, Add</i> 0.18	3.16	
09 91 23 00-0340 SF Paint Interior Wood Trim, 1 Coat Primer, Brush/Roller Work .....1.33 <i>For Oil Based Paint, Add</i> 0.08	1.33	
09 91 23 00-0341 SF Paint Interior Wood Trim, 1 Coat Paint, Brush/Roller Work .....1.48 <i>For Oil Based Paint, Add</i> 0.08	1.48	
09 91 23 00-0342 SF Paint Interior Wood Trim, 2 Coats Paint, Brush/Roller Work .....3.16 <i>For Oil Based Paint, Add</i> 0.18	3.16	
09 91 23 00-0343 Paint Additives (09 91 23)		
09 91 23 00-0344 SF Mildewcide/Mold Killing Paint Additive Per Each Coat .....0.02	0.02	
09 91 23 00-0345 SF Class "B" Fire Rating, Fire Resistant Paint Additive .....0.04 <i>For Class "A" Fire Rating, Add</i> 0.04	0.04	
09 91 23 00-0346 Hand Painting Letters/Numbers (09 91 23) Note: Painting on walls, floors, poles, signs, etc.		
09 91 23 00-0347 EA Up To 1" High, Hand Paint, Per Letter/Number .....1.33	1.33	
09 91 23 00-0348 EA 1" To 2" High, Hand Paint, Per Letter/Number .....1.55	1.55	
09 91 23 00-0349 EA 2" To 3" High, Hand Paint, Per Letter/Number .....2.34	2.34	
09 91 23 00-0350 EA 3" To 4" High, Hand Paint, Per Letter/Number .....2.87	2.87	
09 91 23 00-0351 EA 4" To 6" High, Hand Paint, Per Letter/Number .....3.95	3.95	
09 91 23 00-0352 EA 6" To 12" High, Hand Paint, Per Letter/Number .....4.99	4.99	
09 91 23 00-0353 EA Over 12" High, Hand Paint, Per Letter/Number .....5.85	5.85	
09 91 23 00-0354 Glove/Mitt Application (09 91 23)		
09 91 23 00-0355 Conduit/Pipe (09 91 23 00-0354)		
09 91 23 00-0356 CSF Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt .....25.14	25.14	



		Finishes	09
		Painting And Coating	09 90
		Painting	09 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0357	CSF		Metal Primer Conduit Or Pipe With Glove/Mitt.....	44.06	
09 91 23 00-0358	CSF		Enamel, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt.....	35.04	
09 91 23 00-0359	CSF		Enamel, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt.....	29.03	
09 91 23 00-0360	CSF		Epoxy Coating, First Coat Conduit Or Pipe With Glove/Mitt.....	56.32	
09 91 23 00-0361	CSF		Epoxy Coating, Second Coat Conduit Or Pipe With Glove/Mitt.....	52.16	
09 91 23 00-0362 Ductwork <small>(09 91 23 00-0354)</small>					
09 91 23 00-0363	CSF		Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt.....	25.14	
09 91 23 00-0364	CSF		Metal Primer Ductwork With Glove/Mitt.....	36.30	
09 91 23 00-0365	CSF		Enamel, Oil Base Paint Ductwork With Glove/Mitt.....	31.85	
09 91 23 00-0366	CSF		Epoxy Coating, First Coat Ductwork With Glove/Mitt.....	53.93	
09 91 23 00-0367	CSF		Epoxy Coating, Second Coat Ductwork With Glove/Mitt.....	47.39	
09 91 23 00-0368 Paint Interior Miscellaneous Metal Surfaces <small>(09 91 23)</small>					
09 91 23 00-0369	SF		Paint Interior Miscellaneous Metal Surfaces, 1 Coat Primer, Brush/Roller Work.....	0.44	
			<i>For Electrostatic Painting, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.27	
			<i>For >100 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.09	
09 91 23 00-0370	SF		Paint Interior Miscellaneous Metal Surfaces, 1 Coat Alkyd Enamel, Brush/Roller Work.....	0.51	
			<i>For Electrostatic Painting, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.32	
			<i>For >100 To 250, Add</i>	0.15	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.08	
			<i>For >20,000, Deduct</i>	-0.10	
09 91 23 00-0371	SF		Paint Interior Miscellaneous Metal Surfaces, 2 Coats Alkyd Enamel, Brush/Roller Work.....	0.90	
			<i>For Electrostatic Painting, Add</i>	0.11	
			<i>For Up To 100, Add</i>	0.59	
			<i>For >100 To 250, Add</i>	0.28	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.14	
			<i>For >20,000, Deduct</i>	-0.18	
09 91 23 00-0372	SF		Paint Interior Miscellaneous Metal Surfaces, 1 Coat Primer, Sprayed.....	0.61	
			<i>For Electrostatic Painting, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.39	
			<i>For >100 To 250, Add</i>	0.19	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.12	
			<i>For Backroll, Add</i>	0.08	
09 91 23 00-0373	SF		Paint Interior Miscellaneous Metal Surfaces, 1 Coat Alkyd, Sprayed.....	0.61	
			<i>For Electrostatic Painting, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.39	
			<i>For >100 To 250, Add</i>	0.19	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.12	
			<i>For Backroll, Add</i>	0.08	
09 91 23 00-0374	SF		Paint Interior Miscellaneous Metal Surfaces, 2 Coats Alkyd, Sprayed.....	0.93	
			<i>For Electrostatic Painting, Add</i>	0.12	
			<i>For Up To 100, Add</i>	0.60	
			<i>For >100 To 250, Add</i>	0.28	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.14	
			<i>For >20,000, Deduct</i>	-0.19	
			<i>For Backroll, Add</i>	0.12	
09 91 33 Painting Materials <small>(09 91)</small>					
Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.					
09 91 33 00-0001 Primer <small>(09 91 33)</small>					
09 91 33 00-0002	GAL		Alkyd Primer/Sealer, Interior, 500 SF Per Gallon.....	25.10	
09 91 33 00-0003	GAL		Alkyd Wood Primer, Exterior, 400 SF Per Gallon.....	24.61	
09 91 33 00-0004	GAL		Prime Coat Oil Wood Primer, 310 SF Per Gallon.....	31.21	
09 91 33 00-0005	GAL		Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon.....	57.43	
09 91 33 00-0006	EA		Cement Base Primer, 25 LB Sack.....	25.74	
09 91 33 00-0007	GAL		Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon.....	39.68	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 33 00-0008	GAL	Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon.....	31.85
09 91 33 00-0009	GAL	Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon.....	24.61
09 91 33 00-0010	GAL	Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon.....	22.36
09 91 33 00-0011	GAL	Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon.....	39.42
09 91 33 00-0012	GAL	Acrylic Heavy Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon.....	32.82
09 91 33 00-0013	GAL	Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon.....	32.82
09 91 33 00-0014	GAL	Latex Wood Primer, Exterior, 300 SF Per Gallon.....	37.00
09 91 33 00-0015	GAL	Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon.....	24.13
09 91 33 00-0016	GAL	Red Alkyd Primer, 500 SF Per Gallon.....	42.95
09 91 33 00-0017	GAL	Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon.....	25.74
09 91 33 00-0018	GAL	Zinc Chromate Primer, 300 SF Per Gallon.....	20.59
09 91 33 00-0019	GAL	Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon.....	53.25
09 91 33 00-0020	GAL	Stain Killer, Alcohol Base.....	33.21
09 91 33 00-0021	GAL	Sealer, Primer Kilz, 400 SF Per Gallon.....	37.47

09 91 33 00-0022 Paint (09 91 33)

09 91 33 00-0023	GAL	Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon.....	18.02
09 91 33 00-0024	GAL	Acrylic Urethane Sealer.....	89.34
09 91 33 00-0025	GAL	Asphalt-Fiber Roof And Foundation Coating, Solvent Type.....	9.65
Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.			
09 91 33 00-0026	GAL	Concrete Enamel Epoxy, 350 SF Per Gallon.....	55.82
09 91 33 00-0027	GAL	Concrete Acrylic Sealer, 400 SF Per Gallon.....	29.28
09 91 33 00-0028	GAL	Driveway Coating, Tar Emulsion, 120 SF Per Gallon.....	9.65
09 91 33 00-0029	GAL	Driveway Coating, Acrylic Latex, 250 SF Per Gallon.....	14.64
09 91 33 00-0030	GAL	Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon.....	29.60
09 91 33 00-0031	GAL	Exterior, Oil Base, Gloss, 400 SF Per Gallon.....	39.42
09 91 33 00-0032	GAL	Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon.....	32.18
09 91 33 00-0033	GAL	Exterior, Oil Base, Flat.....	29.49
09 91 33 00-0034	GAL	Exterior, Latex, Semi-Gloss, 400 SF Per Gallon.....	27.99
09 91 33 00-0035	GAL	Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon.....	32.98
09 91 33 00-0036	GAL	Exterior, Latex Flat Paint, 300 SF Per Gallon.....	29.28
09 91 33 00-0037	GAL	Exterior, Latex Gloss Enamel, Water Base.....	41.68
09 91 33 00-0038	GAL	Cold Galvanizing Paint.....	176.56
09 91 33 00-0039	GAL	High Heat Paint.....	60.81
09 91 33 00-0040	GAL	Heat Resistant Paint.....	40.54
09 91 33 00-0041	GAL	Zinc Chromate Paint.....	36.68
09 91 33 00-0042	QT	Anti-Rust Enamel, 500 SF Per Quart.....	14.48
09 91 33 00-0043	GAL	Rust Inhibitor, Ferrous Metal.....	40.54
09 91 33 00-0044	GAL	Masonry Waterproofing, 100 SF Per Gallon.....	29.28
09 91 33 00-0045	GAL	Alkyd Latex, Black.....	27.35
09 91 33 00-0046	GAL	Alkyd Latex, White.....	27.35
09 91 33 00-0047	GAL	Alkyd Latex, Colors.....	32.98
09 91 33 00-0048	QT	Wrought Iron Paint, Black.....	37.00
09 91 33 00-0049	GAL	Vinyl Paint.....	49.23
09 91 33 00-0050	GAL	Silicone Alkyd.....	59.85
09 91 33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy.....	60.81
09 91 33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy.....	76.26
09 91 33 00-0053	GAL	Chlorinated Rubber.....	55.99
09 91 33 00-0054	GAL	Polyamide Epoxy Sealer.....	57.92
09 91 33 00-0055	GAL	Coal Tar Epoxy.....	41.51
09 91 33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon.....	51.80
09 91 33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base.....	67.57
09 91 33 00-0058	GAL	Swimming Pool Rubber Base.....	46.33
09 91 33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon.....	29.44
09 91 33 00-0060	GAL	Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon.....	32.98
09 91 33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon.....	60.33
09 91 33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon.....	20.43
09 91 33 00-0063	GAL	Linseed Oil.....	17.86
09 91 33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon.....	29.28
09 91 33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon.....	32.98
09 91 33 00-0066	GAL	Texture Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon.....	30.16
09 91 33 00-0067	GAL	Acoustic Spray-On Texture, Finish.....	24.24

09 91 33 00-0068 Stain, Varnish (09 91 33)

09 91 33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon.....	16.73
09 91 33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon.....	31.21
09 91 33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon.....	27.83
09 91 33 00-0072	GAL	Varnish, Clear.....	19.44
09 91 33 00-0073	GAL	Penetrating Water-Repellent Stain.....	14.12
09 91 33 00-0074	GAL	Redwood Hue Or Clear Stain.....	12.62
09 91 33 00-0075	GAL	Polyurethane.....	22.15
09 91 33 00-0076	GAL	Lacquer, Semi-Gloss.....	29.37
09 91 33 00-0077	GAL	Shellac, Clear.....	38.52
09 91 33 00-0078	GAL	Acetone.....	12.71
09 91 33 00-0079	GAL	Paint Thinner.....	3.14
09 91 33 00-0080	GAL	Shellac Or Lacquer Thinner.....	12.87
09 91 33 00-0081	GAL	Turpentine.....	17.70
09 91 33 00-0082	GAL	Wood Filler Paste.....	30.24
09 91 33 00-0083	GAL	Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon.....	24.13



Finishes	09	
Painting And Coating	09 90	09
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 43

Surface Preparation (09 91)

Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.

09 91 43 00-0001

Cleaning And Preparation Of Painted And Unpainted Surfaces (09 91 43)

Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Sand blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment.

09 91 43 00-0002

Concrete And Masonry Surfaces, Surface Preparation (09 91 43 00-0001)

09 91 43 00-0003	SF Calcimine Removal/Washing, Concrete And Masonry Surfaces, Surface Preparation.....	0.26	
	For Up To 100, Add	0.42	
	For >100 To 250, Add	0.11	
	For >250 To 500, Add	0.05	
	For >5,000 To 10,000, Deduct	-0.01	
	For >10,000 To 15,000, Deduct	-0.02	
	For >15,000 To 30,000, Deduct	-0.04	
	For >30,000, Deduct	-0.05	
09 91 43 00-0004	SF Chemical Clean, Brush And Wash, Concrete And Masonry Surfaces, Surface Preparation	0.42	
	For Up To 100, Add	0.66	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.08	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 15,000, Deduct	-0.04	
	For >15,000 To 30,000, Deduct	-0.06	
	For >30,000, Deduct	-0.08	
09 91 43 00-0005	SF Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation	0.33	
	For Up To 100, Add	0.66	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.08	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 15,000, Deduct	-0.03	
	For >15,000 To 30,000, Deduct	-0.05	
	For >30,000, Deduct	-0.07	
09 91 43 00-0006	SF Steam Clean, Concrete And Masonry Surfaces, Surface Preparation.....	0.48	
	For Up To 100, Add	0.80	
	For >100 To 250, Add	0.20	
	For >250 To 500, Add	0.10	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 15,000, Deduct	-0.04	
	For >15,000 To 30,000, Deduct	-0.07	
	For >30,000, Deduct	-0.09	
09 91 43 00-0007	SF Up To 5,000 PSI Pressure Wash, Concrete And Masonry Surfaces, Surface Preparation	0.31	
	For Up To 100, Add	0.48	
	For >100 To 250, Add	0.12	
	For >250 To 500, Add	0.06	
	For >5,000 To 10,000, Deduct	-0.01	
	For >10,000 To 15,000, Deduct	-0.03	
	For >15,000 To 30,000, Deduct	-0.04	
	For >30,000, Deduct	-0.06	
09 91 43 00-0008	SF 10,000 To 12,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	0.87	
	For Up To 100, Add	1.54	
	For >100 To 250, Add	0.39	
	For >250 To 500, Add	0.19	
	For >5,000 To 10,000, Deduct	-0.04	
	For >10,000 To 15,000, Deduct	-0.08	
	For >15,000 To 30,000, Deduct	-0.13	
	For >30,000, Deduct	-0.17	
09 91 43 00-0009	SF 30,000 To 40,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	1.44	
	For Up To 100, Add	2.68	
	For >100 To 250, Add	0.67	
	For >250 To 500, Add	0.34	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 15,000, Deduct	-0.14	
	For >15,000 To 30,000, Deduct	-0.21	
	For >30,000, Deduct	-0.28	
09 91 43 00-0010	SF Sand Blasting, Concrete And Masonry Surfaces, Surface Preparation	2.08	
	For Heavy Condition Where Multiple Pass Is Required, Add	1.04	
	For Up To 100, Add	3.70	
	For >100 To 250, Add	0.93	
	For >250 To 500, Add	0.46	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 15,000, Deduct	-0.20	
	For >15,000 To 30,000, Deduct	-0.31	
	For >30,000, Deduct	-0.40	

09 91 43 00-0011

Drywall (09 91 43 00-0001)

Note: Patch holes other than nail/screw holes and greater than 1/2" diameter.

09 91 43 00-0012	SF Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping).....	0.19	
	For Up To 100, Add	0.38	
	For >100 To 250, Add	0.10	
	For >250 To 500, Add	0.05	

09	Finishes
09 90	Painting And Coating
09 91	Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0013	SF		Hand Wash, Minor Repair And Light Sanding Drywall Surfaces.....	0.33	
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.08	
09 91 43 00-0014	SF		Scrape, Repair And Sand Severely Damaged Drywall Surfaces.....	0.64	
			For Up To 100, Add	1.16	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.15	
09 91 43 00-0015			Metal Surfaces, Surface Preparation (09 91 43 00-0001)		
09 91 43 00-0016	SF		Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation.....	0.42	
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.06	
			For >30,000, Deduct	-0.08	
09 91 43 00-0017	SF		Hand Scraping And Sanding, Metal Surfaces, Surface Preparation.....	0.33	
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.03	
			For >15,000 To 30,000, Deduct	-0.05	
			For >30,000, Deduct	-0.07	
09 91 43 00-0018	SF		Up To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation.....	0.29	
			For Up To 100, Add	0.18	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.04	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 15,000, Deduct	-0.03	
			For >15,000 To 30,000, Deduct	-0.04	
			For >30,000, Deduct	-0.06	
09 91 43 00-0019	SF		Power Tool Cleaning, Metal Surfaces, Surface Preparation.....	0.77	
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.08	
			For >15,000 To 30,000, Deduct	-0.12	
			For >30,000, Deduct	-0.15	
09 91 43 00-0020	SF		Steam Cleaning, Metal Surfaces, Surface Preparation.....	0.30	
			For Up To 100, Add	0.17	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.03	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 15,000, Deduct	-0.03	
			For >15,000 To 30,000, Deduct	-0.04	
			For >30,000, Deduct	-0.06	
09 91 43 00-0021	SF		Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation.....	0.65	
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.09	
			For >30,000, Deduct	-0.13	
09 91 43 00-0022	SF		Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation.....	0.88	
			For Up To 100, Add	0.55	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.08	
			For >15,000 To 30,000, Deduct	-0.13	
			For >30,000, Deduct	-0.17	
09 91 43 00-0023	SF		Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation.....	1.30	
			For Up To 100, Add	0.82	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 15,000, Deduct	-0.12	
			For >15,000 To 30,000, Deduct	-0.19	
			For >30,000, Deduct	-0.25	
09 91 43 00-0024	SF		Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation.....	2.18	
			For Up To 100, Add	1.37	
			For >100 To 250, Add	0.64	
			For >250 To 500, Add	0.27	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 15,000, Deduct	-0.20	
			For >15,000 To 30,000, Deduct	-0.32	
			For >30,000, Deduct	-0.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0025 SF Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation.....	1.65	
For Up To 100, Add	1.03	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 15,000, Deduct	-0.15	
For >15,000 To 30,000, Deduct	-0.24	
For >30,000, Deduct	-0.32	
09 91 43 00-0026 SF Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation.....	2.05	
For Up To 100, Add	1.27	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.25	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 15,000, Deduct	-0.19	
For >15,000 To 30,000, Deduct	-0.30	
For >30,000, Deduct	-0.39	
09 91 43 00-0027 SF Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation.....	2.66	
For Up To 100, Add	1.65	
For >100 To 250, Add	0.77	
For >250 To 500, Add	0.33	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 15,000, Deduct	-0.25	
For >15,000 To 30,000, Deduct	-0.39	
For >30,000, Deduct	-0.51	
09 91 43 00-0028 SF Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation.....	3.33	
For Up To 100, Add	2.06	
For >100 To 250, Add	0.96	
For >250 To 500, Add	0.41	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 15,000, Deduct	-0.31	
For >15,000 To 30,000, Deduct	-0.48	
For >30,000, Deduct	-0.64	
09 91 43 00-0029 Tile Surfaces (09 91 43 00-0001)		
09 91 43 00-0030 SF Alkaline Cleaner, Brush And Wash Tile Surface.....	0.21	
For Up To 100, Add	0.16	
For >100 To 250, Add	0.07	
For >250 To 500, Add	0.03	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 15,000, Deduct	-0.02	
For >15,000 To 30,000, Deduct	-0.03	
For >30,000, Deduct	-0.04	
09 91 43 00-0031 SF Up To 5,000 PSI, Pressure Wash Tile Surface.....	0.21	
For Up To 100, Add	0.14	
For >100 To 250, Add	0.06	
For >250 To 500, Add	0.03	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 15,000, Deduct	-0.02	
For >15,000 To 30,000, Deduct	-0.03	
For >30,000, Deduct	-0.04	
09 91 43 00-0032 Wood Surfaces (09 91 43 00-0001)		
09 91 43 00-0033 SF Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening.....	0.77	
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >4,000, Deduct	-0.04	
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.08	
For >15,000 To 30,000, Deduct	-0.11	
For >30,000, Deduct	-0.15	
09 91 43 00-0034 SF Chemical Clean, Brush And Wash Wood Surface.....	0.34	
For Up To 100, Add	0.19	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.03	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.06	
09 91 43 00-0035 SF Hand Scrape Wood Surface.....	0.50	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.05	
For >15,000 To 30,000, Deduct	-0.08	
For >30,000, Deduct	-0.10	

09	Finishes
09 90	Painting And Coating
09 91	Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0036	SF		Steam Clean Wood Surface	0.47	
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.07	
			For >30,000, Deduct	-0.09	
09 91 43 00-0037	SF		Up To 5,000 PSI, Pressure Wash Wood Surface	0.32	
			For Up To 100, Add	0.20	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.03	
			For >15,000 To 30,000, Deduct	-0.05	
			For >30,000, Deduct	-0.06	
09 91 43 00-0038	SF		Sanding Wood Paneling, Boards, Doors, Etcetera	0.46	
			For Up To 100, Add	0.32	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.06	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.07	
			For >30,000, Deduct	-0.09	
09 91 43 00-0039	SF		Sanding Wood Trim	0.62	
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.09	
			For >30,000, Deduct	-0.12	
09 91 43 00-0040	SF		Prime Wood Surfaces With Linseed Oil, 1 Coat	0.42	
			For Up To 100, Add	0.26	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.06	
			For >30,000, Deduct	-0.08	
09 91 43 00-0041	SF		Paint Wood Surfaces With Linseed Oil, 1 Coat	0.48	
			For Up To 100, Add	0.31	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.07	
			For >30,000, Deduct	-0.09	
09 91 43 00-0042			Vinyl Siding Surfaces (09 91 43 00-0001)		
09 91 43 00-0043	SF		Hand Wash, Vinyl Siding Surfaces	0.35	
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.03	
			For >15,000 To 30,000, Deduct	-0.05	
			For >30,000, Deduct	-0.07	
09 91 43 00-0044	SF		Up To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces	0.27	
			For Up To 100, Add	0.16	
			For >100 To 250, Add	0.07	
			For >250 To 500, Add	0.03	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 15,000, Deduct	-0.02	
			For >15,000 To 30,000, Deduct	-0.04	
			For >30,000, Deduct	-0.05	
09 91 43 00-0045	SF		Steam Clean, Vinyl Siding Surfaces	0.49	
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.07	
			For >30,000, Deduct	-0.09	
09 91 43 00-0046			Prep Work (09 91 43 00-0001)		
09 91 43 00-0047	SF		Citrus Strip, Single Applications	0.62	
09 91 43 00-0048			Plaster/Stucco (09 91 43 00-0001)		
			Note: Based on total project quantity.		



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0049 SF Up To 5,000 PSI Pressure Wash Stucco Surfaces.....	0.35	
<i>For Up To 100, Add</i>	0.21	
<i>For >100 To 250, Add</i>	0.10	
<i>For >250 To 500, Add</i>	0.04	
<i>For >5,000 To 10,000, Deduct</i>	-0.02	
<i>For >10,000 To 15,000, Deduct</i>	-0.03	
<i>For >15,000 To 30,000, Deduct</i>	-0.05	
<i>For >30,000, Deduct</i>	-0.07	
09 91 43 00-0050 Paint Removal, Strip To Bare Wood (09 91 43 00-0001)		
09 91 43 00-0051 SF Flat Surfaces, Paint Removal, Strip To Bare Wood.....	3.99	
09 91 43 00-0052 SF Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood.....	4.25	
09 91 43 00-0053 "Spot" Painting Of Surfaces (09 91 43 00-0001)		
Note: For use on individual areas less than 10 SF.		
09 91 43 00-0054 SF "Spot" Paint Surfaces, Per Coat	0.77	
09 93 Staining And Transparent Finishing (09 90)		
Note: Includes light sanding or screening between coats.		
09 93 23 Interior Staining And Finishing (09 93)		
Note: VOC compliant in all regulated areas, review specifications for levels.		
09 93 23 53 Interior Finishing (09 93 23)		
09 93 23 53-0001 Concrete Finishes (09 93 23 53)		
09 93 23 53-0002 SF Finish Concrete Floor, 1 Coat Polyurethane.....	0.44	
<i>For Up To 100, Add</i>	0.26	
<i>For >100 To 250, Add</i>	0.13	
<i>For >250 To 500, Add</i>	0.06	
<i>For >4,000, Deduct</i>	-0.02	
09 93 23 53-0003 Wood Trim Finishes (09 93 23 53)		
09 93 23 53-0004 SF Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane.....	0.74	
<i>For Up To 100, Add</i>	0.50	
<i>For >100 To 250, Add</i>	0.23	
<i>For >250 To 500, Add</i>	0.10	
<i>For >4,000, Deduct</i>	-0.04	
09 93 23 53-0005 SF Finish Wood Trim, 1 Coat Varnish Or Polyurethane	0.50	
<i>For Up To 100, Add</i>	0.35	
<i>For >100 To 250, Add</i>	0.16	
<i>For >250 To 500, Add</i>	0.07	
<i>For >4,000, Deduct</i>	-0.03	
09 93 23 53-0006 LF Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off.....	0.62	
<i>For Up To 100, Add</i>	0.44	
<i>For >100 To 250, Add</i>	0.21	
<i>For >250 To 500, Add</i>	0.09	
<i>For >4,000, Deduct</i>	-0.03	
09 93 23 53-0007 SF Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off.....	0.91	
<i>For Up To 100, Add</i>	0.65	
<i>For >100 To 250, Add</i>	0.30	
<i>For >250 To 500, Add</i>	0.13	
<i>For >4,000, Deduct</i>	-0.05	
09 93 23 53-0008 Wood Floor Finishes (09 93 23 53)		
09 93 23 53-0009 SF Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work.....	0.28	
<i>For Up To 100, Add</i>	0.17	
<i>For >100 To 250, Add</i>	0.08	
<i>For >250 To 500, Add</i>	0.04	
<i>For >4,000, Deduct</i>	-0.01	
09 93 23 53-0010 SF Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work	0.21	
<i>For Up To 100, Add</i>	0.12	
<i>For >100 To 250, Add</i>	0.06	
<i>For >250 To 500, Add</i>	0.03	
<i>For >4,000, Deduct</i>	-0.01	
09 93 23 53-0011 SF Refinish Wood Floor, 2 Coats Polyurethane.....	1.64	
Note: Includes sanding existing floor.		
<i>For Up To 100, Add</i>	1.16	
<i>For >100 To 250, Add</i>	0.55	
<i>For >250 To 500, Add</i>	0.24	
<i>For >4,000, Deduct</i>	-0.08	
09 93 23 53-0012 SF Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work.....	0.38	
Note: Includes screening between coats.		
<i>For Up To 100, Add</i>	0.26	
<i>For >100 To 250, Add</i>	0.12	
<i>For >250 To 500, Add</i>	0.05	
<i>For >4,000, Deduct</i>	-0.02	

09 Finishes**09 90 Painting And Coating****09 93 Staining And Transparent Finishing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0013 SF Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane.....	1.87	
Note: Includes sanding existing floor.		
For Up To 100, Add	1.31	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
For >4,000, Deduct	-0.09	
09 93 23 53-0014 Wood Door And Window Finishes (09 93 23 53)		
See CSI section 08 14 16 00-0175 for factory finish.		
09 93 23 53-0015 EA Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face)	29.57	
For Up To 4, Add	21.64	
For >4 To 10, Add	10.12	
For >10 To 20, Add	4.35	
For >160, Deduct	-1.48	
09 93 23 53-0016 EA Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face).....	20.97	
For Up To 4, Add	14.94	
For >4 To 10, Add	7.01	
For >10 To 20, Add	3.01	
For >160, Deduct	-1.05	
09 93 23 53-0017 EA Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face).....	21.42	
For Up To 4, Add	15.60	
For >4 To 10, Add	7.30	
For >10 To 20, Add	3.14	
For >160, Deduct	-1.07	
09 93 23 53-0018 EA Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face).....	64.94	
For Up To 4, Add	46.56	
For >4 To 10, Add	21.83	
For >10 To 20, Add	9.38	
For >160, Deduct	-3.25	
09 93 23 53-0019 Cabinet Finishes (09 93 23 53)		
09 93 23 53-0020 SF Stain Cabinet, 1 Coat Stain With Brush And Wipe.....	0.74	
09 93 23 53-0021 SF Stain Cabinet, 1 Coat Shellac, Varnish Or Polyurethane	0.74	
09 93 23 53-0022 Gym, Stage And Dance Floor Finishes (09 93 23 53)		
09 93 23 53-0023 SF Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor	0.93	
Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.		
09 93 23 53-0024 SF Finish New Elementary School Wood Gym, Stage Or Dance Floor.....	2.20	
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.04	
09 93 23 53-0025 SF Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor	2.26	
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.05	
09 93 23 53-0026 SF Finish New High School Wood Gym, Stage Or Dance Floor	2.31	
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.05	
09 93 23 53-0027 SF Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor.....	2.20	
Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.04	
09 93 23 53-0028 SF Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor.....	2.26	
Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.05	
09 93 23 53-0029 SF Refinish Existing High School Wood Gym, Stage Or Dance Floor.....	2.31	
Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.05	
09 96 High-Performance Coatings (09 90)		
09 96 23 Graffiti-Resistant Coatings (09 96)		
09 96 23 00-0001 Anti-Graffiti Painting (09 96 23)		
09 96 23 00-0002 SF Anti-Graffiti Coating System, 1 Coat, Concrete Surface	1.23	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
09 96 23 00-0003 SF Anti-Graffiti Coating System, 1 Coat, Brick Or Block.....	1.27	
For Up To 100, Add	0.54	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	



Finishes	09	09
Painting And Coating	09 90	
High-Performance Coatings	09 96	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 23 00-0004 SF Anti-Graffiti Coating System, 1 Coat, Tile	1.00	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
09 96 23 00-0005 SF Anti-Graffiti Coating System, 1 Coat, Metal Or Steel	0.96	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
09 96 23 00-0006 SF Anti-Graffiti Coating System, 1 Coat, Wood.....	1.23	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
09 96 23 00-0007 SF Anti-Graffiti Coating System, 1 Coat, Painted Surface.....	1.08	
For Up To 100, Add	0.51	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
09 96 23 00-0008 SF Anti-Graffiti Coating System, 2 Coats, Concrete Surface	2.36	
For Up To 100, Add	0.97	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.22	
09 96 23 00-0009 SF Anti-Graffiti Coating System, 2 Coats, Brick Or Block.....	2.44	
For Up To 100, Add	0.98	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.23	
09 96 23 00-0010 SF Anti-Graffiti Coating System, 2 Coats, Tile.....	1.91	
For Up To 100, Add	0.90	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
09 96 23 00-0011 SF Anti-Graffiti Coating System, 2 Coats, Metal Or Steel	1.83	
For Up To 100, Add	0.89	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
09 96 23 00-0012 SF Anti-Graffiti Coating System, 2 Coats, Wood.....	2.33	
For Up To 100, Add	0.97	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.22	
09 96 23 00-0013 SF Anti-Graffiti Coating System, 2 Coats, Painted Surface.....	2.06	
For Up To 100, Add	0.93	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.21	

09 96 53 Elastomeric Coatings (09 96)

09 96 53 00-0001 Elastomeric (09 96 53)

Note: Per coat.

09 96 53 00-0002 SF Paint, Brush, Elastomeric, Per Coat	1.54	
For Work >20', Add	0.22	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	
09 96 53 00-0003 SF Paint, Roller, Elastomeric, Per Coat	1.28	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.56	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	
09 96 53 00-0004 SF Paint, Conventional Spray, Elastomeric, Per Coat.....	1.28	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	
09 96 53 00-0005 SF Paint, Airless Spray, Elastomeric, Per Coat.....	1.17	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.23	

09	09	Finishes
	09 90	Painting And Coating
	09 96	High-Performance Coatings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 97 Special Coatings (09 90)

09 97 35 Dry Erase Coatings (09 97)

09 97 35 00-0001 Dry-Erase Paint (09 97 35)

09 97 35 00-0002 Dry-Erase Paint (IdeaPaint™ PRO) (09 97 35 00-0001)

09 97 35 00-0003 SF Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller6.38
 Note: Includes two coats of primer and white, white sand, light beige or light gray surface.

09 97 35 00-0004 Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) (09 97 35 00-0001)

09 97 35 00-0005 SF Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller.....3.51
 Note: For application over existing latex-based top coats.

09 97 35 00-0006 SF Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller6.82
 Note: Includes two coats of primer and white or black surface coat.

09 97 63 Special Coatings (09 97)

09 97 63 00-0001 Adsil HVAC Equipment Coatings (09 97 63)

Note: Shop applied. A small job has 1 to 6 units and a total of less than 100 tons. A large job has greater than 7 units and 100 tons.

09 97 63 00-0002 TON <40 Ton Condenser, Small Job, Adsil HVAC Equipment Coating110.32
For Field Applied, Add 16.55

09 97 63 00-0003 TON 40 To 49 Ton Condenser, Small Job, Adsil HVAC Equipment Coating107.97
For Field Applied, Add 16.20

09 97 63 00-0004 TON >49 Ton Condenser, Small Job, Adsil HVAC Equipment Coating103.28
For Field Applied, Add 15.49

09 97 63 00-0005 TON <40 Ton Evaporator, Small Job, Adsil HVAC Equipment Coating56.33

09 97 63 00-0006 TON 40 To 49 Ton Evaporator, Small Job, Adsil HVAC Equipment Coating53.99

09 97 63 00-0007 TON >49 Ton Evaporator, Small Job, Adsil HVAC Equipment Coating51.64

09 97 63 00-0008 TON <40 Ton Cabinet, Small Job, Adsil HVAC Equipment Coating.....21.12

09 97 63 00-0009 TON 40 To 49 Ton Cabinet, Small Job, Adsil HVAC Equipment Coating.....18.78

09 97 63 00-0010 TON >49 Ton Cabinet, Small Job, Adsil HVAC Equipment Coating.....16.43

09 97 63 00-0011 TON 51 To 100 Ton Condenser, Large Job, Adsil HVAC Equipment Coating107.38
For Field Applied, Add 16.11
For Cabinet, Add 21.48

09 97 63 00-0012 TON >100 Ton Condenser, Large Job, Adsil HVAC Equipment Coating98.00
For Field Applied, Add 14.70
For Cabinet, Add 19.60

09 97 63 00-0013 TON 51 To 100 Ton Evaporator, Large Job Adsil HVAC Equipment Coating51.64
For Cabinet, Add 10.33

09 97 63 00-0014 TON >100 Ton Evaporator, Large Job, Adsil HVAC Equipment Coating49.29
For Cabinet, Add 9.86

END OF SECTION 09



Specialties	10	10
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 Specialties

10 10 Information Specialties ⁽¹⁰⁾

10 11 Visual Display Units ^(10 10)

10 11 13 Chalkboards ^(10 11)

10 11 13 13 Fixed Chalkboards ^(10 11 13)

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001 Porcelain Enamel Steel Chalkboards ^(10 11 13 13)

10 11 13 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) ^(10 11 13 13-0001)

Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.

10 11 13 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	36.87	4.97
10 11 13 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	24.67	2.34
10 11 13 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	21.35	2.02
10 11 13 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	18.18	1.31
10 11 13 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	15.69	0.73

10 11 13 13-0008 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) ^(10 11 13 13-0001)

Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.

10 11 13 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	39.37	4.97
10 11 13 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	27.11	2.34
10 11 13 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	23.59	2.02
10 11 13 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	20.90	1.31
10 11 13 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	18.36	0.73

10 11 13 13-0014 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) ^(10 11 13 13-0001)

Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.

10 11 13 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	35.33	4.97
10 11 13 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	23.10	2.34
10 11 13 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	19.84	2.02
10 11 13 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	16.92	1.31
10 11 13 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	14.28	0.73

10 11 13 13-0020 Remove And Reinstall ^(10 11 13 13)

10 11 13 13-0021	SF	Removal And Reinstallation Of Chalkboard.....	6.28	
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10 11 13 13-0022 Field Applied Chalkboard And Accessories ^(10 11 13 13)

10 11 13 13-0023 Chalkboard Face Sheets And Panels ^(10 11 13 13-0022)

10 11 13 13-0024	SF	Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite).....	11.56	2.34
Note: Includes porcelain enamel steel chalkboard skin.				
10 11 13 13-0025	SF	Porcelain Enamel Steel Chalkboard Panel (Claridge VIT).....	14.34	2.34
Note: Includes porcelain enamel steel surface mounted on either particle board or hardboard core with an aluminum moisture barrier back.				

10 11 13 13-0026 Chalkboard And Markerboard Accessory Trays And Trim ^(10 11 13 13-0022)

10 11 13 13-0027	LF	Chalk And Marker Tray, Field Applied.....	12.23	3.22
10 11 13 13-0028	PR	Chalk And Marker Tray End Closures, Field Applied.....	16.17	5.84
10 11 13 13-0029	LF	Mullion Trim For Chalkboards And Markerboards, Field Applied.....	8.30	3.22
10 11 13 13-0030	LF	Screw On Trim For Chalkboards And Markerboards, Field Applied.....	8.60	3.22
10 11 13 13-0031	LF	1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	9.51	3.22
10 11 13 13-0032	LF	1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	10.26	3.22
10 11 13 13-0033	LF	No Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	9.07	3.22

10 11 13 33 Rail-Mounted Chalkboards ^(10 11 13)

10 11 13 33-0001 Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series) ^(10 11 13 33)

10 11 13 33-0002 Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0001)

10 11 13 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	1,921.32	58.45
10 11 13 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,166.53	58.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0005 EA 4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,459.03	62.25
10 11 13 33-0006 EA 4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,743.93	62.25
10 11 13 33-0007 EA 4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,433.20	66.93
10 11 13 33-0008 EA 4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,660.45	66.93
10 11 13 33-0009 EA 4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,143.12	70.14
10 11 13 33-0010 EA 4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,707.25	70.14
10 11 13 33-0011 Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0001)		
10 11 13 33-0012 EA 4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,652.75	58.45
10 11 13 33-0013 EA 4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,160.67	58.45
10 11 13 33-0014 EA 4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,623.27	62.25
10 11 13 33-0015 EA 4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,089.61	62.25
10 11 13 33-0016 EA 4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,667.37	66.93
10 11 13 33-0017 EA 4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,872.88	66.93
10 11 13 33-0018 EA 4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,725.05	70.14
10 11 13 33-0019 EA 4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	6,411.08	70.14
10 11 13 33-0020 Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0001)		
10 11 13 33-0021 EA 4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,964.60	58.45
10 11 13 33-0022 EA 4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,379.91	58.45
10 11 13 33-0023 EA 4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,824.55	62.25
10 11 13 33-0024 EA 4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,301.29	62.25
10 11 13 33-0025 EA 4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,219.25	66.93
10 11 13 33-0026 EA 4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,437.99	66.93
10 11 13 33-0027 EA 4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	6,432.86	70.14
10 11 13 33-0028 EA 4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	7,192.18	70.14
10 11 13 33-0029 Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series) ^(10 11 13 33)		
10 11 13 33-0030 One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0029)		
10 11 13 33-0031 EA 8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,311.11	58.45
10 11 13 33-0032 EA 8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,558.21	58.45
10 11 13 33-0033 EA 8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,799.68	62.25
10 11 13 33-0034 EA 8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,228.67	62.25
10 11 13 33-0035 EA 8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,538.51	66.93
10 11 13 33-0036 EA 8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,934.42	66.93
10 11 13 33-0037 Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0029)		
10 11 13 33-0038 EA 8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,424.25	58.45
10 11 13 33-0039 EA 8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,807.88	58.45
10 11 13 33-0040 EA 8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,187.77	62.25
10 11 13 33-0041 EA 8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,893.61	62.25
10 11 13 33-0042 EA 8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,327.20	66.93
10 11 13 33-0043 EA 8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,967.84	66.93
10 11 13 33-0044 Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0029)		
10 11 13 33-0045 EA 8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,702.76	58.45
10 11 13 33-0046 EA 8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,225.76	58.45
10 11 13 33-0047 EA 8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,745.02	62.25
10 11 13 33-0048 EA 8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,726.76	62.25
10 11 13 33-0049 EA 8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,295.45	66.93
10 11 13 33-0050 EA 8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,197.81	66.93
10 11 13 33-0051 Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series) ^(10 11 13 33)		
Note: Excludes remotes.		
10 11 13 33-0052 One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0051)		
10 11 13 33-0053 EA 10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,514.47	116.90
10 11 13 33-0054 EA 10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,733.33	116.90
10 11 13 33-0055 EA 10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,972.73	120.56
10 11 13 33-0056 EA 10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,373.60	120.56
10 11 13 33-0057 EA 10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,812.01	124.21
10 11 13 33-0058 EA 10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,198.70	124.21
10 11 13 33-0059 EA 10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,030.94	131.52
10 11 13 33-0060 EA 10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,137.91	131.52



Specialties	10
Information Specialties	10 10
Visual Display Units	10 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0061 Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0051)</small>		
10 11 13 33-0062 EA 10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	11,905.32	116.90
10 11 13 33-0063 EA 10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,194.67	116.90
10 11 13 33-0064 EA 10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,513.08	120.56
10 11 13 33-0065 EA 10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	13,102.19	120.56
10 11 13 33-0066 EA 10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	13,683.48	124.21
10 11 13 33-0067 EA 10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,243.30	124.21
10 11 13 33-0068 EA 10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,370.57	131.52
10 11 13 33-0069 EA 10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,540.10	131.52
10 11 13 33-0070 Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0051)</small>		
10 11 13 33-0071 EA 10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,510.87	116.90
10 11 13 33-0072 EA 10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,241.17	116.90
10 11 13 33-0073 EA 10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,623.45	120.56
10 11 13 33-0074 EA 10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	17,389.47	120.56
10 11 13 33-0075 EA 10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,190.19	124.21
10 11 13 33-0076 EA 10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,964.71	124.21
10 11 13 33-0077 EA 10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	20,483.39	131.52
10 11 13 33-0078 EA 10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	20,781.64	131.52
10 11 13 33-0079 Sliding Chalkboard And Markerboard Accessories <small>(10 11 13 33)</small>		
10 11 13 33-0080 EA One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	571.90	
10 11 13 33-0081 EA Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	979.19	
10 11 16 Markerboards <small>(10 11)</small>		
10 11 16 13 Fixed Markerboards <small>(10 11 16)</small>		
<small>Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.</small>		
10 11 16 13-0001 Porcelain Enamel Steel Markerboards <small>(10 11 16 13)</small>		
10 11 16 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series) <small>(10 11 16 13-0001)</small>		
<small>Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.</small>		
10 11 16 13-0003 SF Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	37.03	4.97
10 11 16 13-0004 SF >6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	25.22	2.34
10 11 16 13-0005 SF >12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	21.35	2.02
10 11 16 13-0006 SF >16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	18.38	1.31
10 11 16 13-0007 SF >24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	15.47	0.73
10 11 16 13-0008 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series) <small>(10 11 16 13-0001)</small>		
<small>Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.</small>		
10 11 16 13-0009 SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	39.40	4.97
10 11 16 13-0010 SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	25.93	2.34
10 11 16 13-0011 SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	22.41	2.02
10 11 16 13-0012 SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	19.72	1.31
10 11 16 13-0013 SF >24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	17.66	0.73
10 11 16 13-0014 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series) <small>(10 11 16 13-0001)</small>		
<small>Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.</small>		
10 11 16 13-0015 SF Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	35.31	4.97
10 11 16 13-0016 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	23.11	2.34
10 11 16 13-0017 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	20.99	2.02
10 11 16 13-0018 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	17.04	1.31
10 11 16 13-0019 SF >24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	14.02	0.73
10 11 16 13-0020 Melamine Markerboards <small>(10 11 16 13)</small>		
10 11 16 13-0021 1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series) <small>(10 11 16 13-0020)</small>		
<small>Note: Includes full length map rail, map hooks, marker tray and mounting hardware.</small>		
10 11 16 13-0022 SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	28.05	4.97
10 11 16 13-0023 SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	18.10	2.34
10 11 16 13-0024 SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	15.73	2.02
10 11 16 13-0025 SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	12.08	1.31
10 11 16 13-0026 SF >24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	10.24	0.73

10	10	Specialties
	10 10	Information Specialties
	10 11	Visual Display Units



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0027 1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series) ⁽¹⁰⁾ <small>^{11 16 13-0020} Note: Includes marker tray and mounting hardware.</small>		
10 11 16 13-0028 SF Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	27.25	4.97
10 11 16 13-0029 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	17.73	2.34
10 11 16 13-0030 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	15.20	2.02
10 11 16 13-0031 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	11.13	1.31
10 11 16 13-0032 SF >24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	9.37	0.73
10 11 16 13-0033 Nonporous, Non-Staining Markerboards ^(10 11 16 13)		
10 11 16 13-0034 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) ^(10 11 16 13-0033) <small>Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.</small>		
10 11 16 13-0035 SF Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	27.74	4.97
For Magnetic Surface, Add	1.78	
10 11 16 13-0036 SF >6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	18.22	2.34
For Magnetic Surface, Add	1.36	
10 11 16 13-0037 SF >12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	15.72	2.02
For Magnetic Surface, Add	1.17	
10 11 16 13-0038 SF >16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	13.85	1.31
For Magnetic Surface, Add	1.12	
10 11 16 13-0039 SF >24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	11.93	0.73
For Magnetic Surface, Add	1.05	
10 11 16 13-0040 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) ^(10 11 16 13-0033) <small>Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.</small>		
10 11 16 13-0041 SF Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	27.74	4.97
For Magnetic Surface, Add	1.78	
10 11 16 13-0042 SF >6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	18.22	2.34
For Magnetic Surface, Add	1.36	
10 11 16 13-0043 SF >12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	15.72	2.02
For Magnetic Surface, Add	1.17	
10 11 16 13-0044 SF >16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	13.85	1.31
For Magnetic Surface, Add	1.12	
10 11 16 13-0045 SF >24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	11.93	0.73
For Magnetic Surface, Add	1.05	
10 11 16 13-0046 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) ^(10 11 16 13-0033) <small>Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.</small>		
10 11 16 13-0047 SF Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	49.80	4.97
For Magnetic Surface, Add	3.99	
10 11 16 13-0048 SF >6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	31.47	2.34
For Magnetic Surface, Add	2.68	
10 11 16 13-0049 SF >12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	26.61	2.02
For Magnetic Surface, Add	2.26	
10 11 16 13-0050 SF >16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	22.46	1.31
For Magnetic Surface, Add	1.98	
10 11 16 13-0051 SF >24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	17.42	0.73
For Magnetic Surface, Add	1.60	
10 11 16 13-0052 Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) ^(10 11 16 13-0033) <small>Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface, 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.</small>		
10 11 16 13-0053 SF Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	12.46	2.02
10 11 16 13-0054 SF >16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	10.61	1.31
10 11 16 13-0055 SF >24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	8.90	0.73
10 11 16 13-0056 Remove And Reinstall Markerboard ^(10 11 16 13)		
10 11 16 13-0057 EA Up To 6 SF, Removal And Reinstallation Of Markerboard.....	35.07	
10 11 16 13-0058 EA >6 To 12 SF, Removal And Reinstallation Of Markerboard	40.91	
10 11 16 13-0059 EA >12 To 16 SF, Removal And Reinstallation Of Markerboard	46.77	
10 11 16 13-0060 EA >16 To 24 SF, Removal And Reinstallation Of Markerboard	52.61	
10 11 16 13-0061 EA >24 SF, Removal And Reinstallation Of Markerboard	58.45	



Specialties	10	10
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0062 Field Applied Markerboard And Accessories <small>(10 11 16 13)</small>		
10 11 16 13-0063 Markerboard Face Sheets And Panels <small>(10 11 16 13-0062)</small>		
10 11 16 13-0064 SF Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS) 11.34	11.34	2.34
10 11 16 13-0065 SF Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick) 13.83	13.83	2.34
10 11 16 13-0066 SF Porcelain Enamel Steel Markerboard Panel (Claridge LCS)..... 13.77	13.77	2.34
10 11 16 13-0067 SF Melamine Markerboard Panel (Claridge 1032) 6.82	6.82	2.34
10 11 16 13-0068 Chalkboard And Markerboard Accessory Trays And Trim <small>(10 11 16 13-0062)</small> See CSI section 10 11 13 13-0026 for chalkboard and markerboard accessory trays and trim.		
10 11 16 33 Rail-Mounted Markerboards <small>(10 11 16)</small>		
10 11 16 33-0001 Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) <small>(10 11 16 33)</small>		
10 11 16 33-0002 Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>		
10 11 16 33-0003 EA 4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 1,897.28	1,897.28	58.45
10 11 16 33-0004 EA 4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 2,134.48	2,134.48	58.45
10 11 16 33-0005 EA 4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 2,418.96	2,418.96	62.25
10 11 16 33-0006 EA 4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 2,695.84	2,695.84	62.25
10 11 16 33-0007 EA 4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 3,377.10	3,377.10	66.93
10 11 16 33-0008 EA 4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 3,596.34	3,596.34	66.93
10 11 16 33-0009 EA 4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 4,062.99	4,062.99	70.14
10 11 16 33-0010 EA 4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 4,611.09	4,611.09	70.14
10 11 16 33-0011 Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>		
10 11 16 33-0012 EA 4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 2,628.71	2,628.71	58.45
10 11 16 33-0013 EA 4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 3,128.62	3,128.62	58.45
10 11 16 33-0014 EA 4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 3,583.20	3,583.20	62.25
10 11 16 33-0015 EA 4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 4,041.52	4,041.52	62.25
10 11 16 33-0016 EA 4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 4,611.27	4,611.27	66.93
10 11 16 33-0017 EA 4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 4,808.78	4,808.78	66.93
10 11 16 33-0018 EA 4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 5,644.91	5,644.91	70.14
10 11 16 33-0019 EA 4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 6,314.92	6,314.92	70.14
10 11 16 33-0020 Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>		
10 11 16 33-0021 EA 4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 2,940.56	2,940.56	58.45
10 11 16 33-0022 EA 4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 3,347.86	3,347.86	58.45
10 11 16 33-0023 EA 4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 3,784.48	3,784.48	62.25
10 11 16 33-0024 EA 4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 4,253.20	4,253.20	62.25
10 11 16 33-0025 EA 4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 5,163.15	5,163.15	66.93
10 11 16 33-0026 EA 4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 5,373.88	5,373.88	66.93
10 11 16 33-0027 EA 4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 6,352.72	6,352.72	70.14
10 11 16 33-0028 EA 4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 7,120.06	7,120.06	70.14
10 11 16 33-0029 Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) <small>(10 11 16 33)</small>		
10 11 16 33-0030 One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>		
10 11 16 33-0031 EA 8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 2,279.06	2,279.06	58.45
10 11 16 33-0032 EA 8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 2,518.14	2,518.14	58.45
10 11 16 33-0033 EA 8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 2,751.60	2,751.60	62.25
10 11 16 33-0034 EA 8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 3,164.56	3,164.56	62.25
10 11 16 33-0035 EA 8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 3,458.37	3,458.37	66.93
10 11 16 33-0036 EA 8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 3,838.26	3,838.26	66.93
10 11 16 33-0037 Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>		
10 11 16 33-0038 EA 8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 3,360.14	3,360.14	58.45
10 11 16 33-0039 EA 8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 3,727.74	3,727.74	58.45
10 11 16 33-0040 EA 8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 4,091.61	4,091.61	62.25
10 11 16 33-0041 EA 8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 4,765.40	4,765.40	62.25
10 11 16 33-0042 EA 8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 5,166.93	5,166.93	66.93
10 11 16 33-0043 EA 8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 5,775.51	5,775.51	66.93



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 11 16 33-0044	Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>			
10 11 16 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,606.60	58.45
10 11 16 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,105.56	58.45
10 11 16 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,600.78	62.25
10 11 16 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,534.44	62.25
10 11 16 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,055.04	66.93
10 11 16 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,909.32	66.93
10 11 16 33-0051	Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) <small>(10 11 16 33)</small> Note: Excludes remotes.			
10 11 16 33-0052	One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>			
10 11 16 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	7,474.40	116.90
10 11 16 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	7,683.25	116.90
10 11 16 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	7,912.63	120.56
10 11 16 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,293.46	120.56
10 11 16 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,711.84	124.21
10 11 16 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,078.50	124.21
10 11 16 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,890.70	131.52
10 11 16 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,977.64	131.52
10 11 16 33-0061	Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>			
10 11 16 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	11,825.18	116.90
10 11 16 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	12,094.51	116.90
10 11 16 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	12,392.88	120.56
10 11 16 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	12,941.92	120.56
10 11 16 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	13,483.14	124.21
10 11 16 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	14,002.90	124.21
10 11 16 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	15,090.09	131.52
10 11 16 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	15,219.56	131.52
10 11 16 33-0070	Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>			
10 11 16 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,390.67	116.90
10 11 16 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,090.91	116.90
10 11 16 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,443.14	120.56
10 11 16 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,149.06	120.56
10 11 16 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,889.68	124.21
10 11 16 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,604.10	124.21
10 11 16 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	20,062.68	131.52
10 11 16 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	20,300.82	131.52
10 11 16 33-0079	Sliding Chalkboard And Markerboard Accessories <small>(10 11 16 33)</small> See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.			
10 11 23	Tackboards <small>(10 11)</small>			
10 11 23 13	Fixed Tackboards <small>(10 11 23)</small> Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.			
10 11 23 13-0001	Fixed Tackboards <small>(10 11 23 13)</small> Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.			
10 11 23 13-0002	Cork Surface, Fixed Tackboards <small>(10 11 23 13-0001)</small> Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.			
10 11 23 13-0003	5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series) <small>(10 11 23 13-0002)</small>			
10 11 23 13-0004	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	22.62	4.97
10 11 23 13-0005	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	13.49	2.34
10 11 23 13-0006	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	11.72	2.02
10 11 23 13-0007	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	9.72	1.31
10 11 23 13-0008	SF	>24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	8.37	0.73
10 11 23 13-0009	1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series) <small>(10 11 23 13-0002)</small>			
10 11 23 13-0010	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	24.12	4.97
10 11 23 13-0011	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	14.18	2.34
10 11 23 13-0012	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	11.36	2.02
10 11 23 13-0013	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	9.17	1.31



Specialties	10	10
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 23 13-0014 SF >24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	7.51	0.73
10 11 23 13-0015 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0002)		
10 11 23 13-0016 SF Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	24.27	4.97
10 11 23 13-0017 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	15.64	2.34
10 11 23 13-0018 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	14.67	2.02
10 11 23 13-0019 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	11.57	1.31
10 11 23 13-0020 SF >24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	9.52	0.73
10 11 23 13-0021 Burlap Backed Cork Surface, Fixed Tackboards (10 11 23 13-0001)		
Note: Includes burlap backed 1/4" self healing cork surface, unmounted or mounted on hardboard.		
10 11 23 13-0022 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0021)		
10 11 23 13-0023 SF Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	26.95	4.97
10 11 23 13-0024 SF >6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	18.69	2.34
10 11 23 13-0025 SF >12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	17.21	2.02
10 11 23 13-0026 SF >16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	15.23	1.31
10 11 23 13-0027 SF >24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	13.98	0.73
10 11 23 13-0028 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0021)		
10 11 23 13-0029 SF Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	30.57	4.97
10 11 23 13-0030 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	22.56	2.34
10 11 23 13-0031 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	21.11	2.02
10 11 23 13-0032 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	18.07	1.31
10 11 23 13-0033 SF >24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	16.05	0.73
10 11 23 13-0034 Polyester Fabric Surface, Fixed Tackboards (10 11 23 13-0001)		
Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.		
10 11 23 13-0035 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0034)		
10 11 23 13-0036 SF Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	23.64	4.97
10 11 23 13-0037 SF >6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	14.75	2.34
10 11 23 13-0038 SF >12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	13.14	2.02
10 11 23 13-0039 SF >16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	11.17	1.31
10 11 23 13-0040 SF >24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	9.67	0.73
10 11 23 13-0041 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0034)		
10 11 23 13-0042 SF Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	25.69	4.97
10 11 23 13-0043 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	17.41	2.34
10 11 23 13-0044 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	16.32	2.02
10 11 23 13-0045 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	13.38	1.31
10 11 23 13-0046 SF >24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	11.41	0.73
10 11 23 13-0047 Vinyl Fabric Surface, Fixed Tackboards (10 11 23 13-0001)		
Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		
10 11 23 13-0048 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0047)		
10 11 23 13-0049 SF Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	22.62	4.97
10 11 23 13-0050 SF >6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	13.57	2.34
10 11 23 13-0051 SF >12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	11.84	2.02
10 11 23 13-0052 SF >16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	9.72	1.31
10 11 23 13-0053 SF >24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	8.19	0.73
10 11 23 13-0054 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0047)		
10 11 23 13-0055 SF Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	24.27	4.97
10 11 23 13-0056 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	16.37	2.34
10 11 23 13-0057 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	14.67	2.02
10 11 23 13-0058 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	11.57	1.31
10 11 23 13-0059 SF 4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	9.52	0.73

10 13 Directories (10 10)

10 13 16 Directory And Bulletin Boards (10 13)

Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.

10	10	Specialties
	10 10	Information Specialties
	10 13	Directories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 16 00-0001 Wall Mounted Directories <small>(10 13 16)</small> Note: Includes changeable letters.		
10 13 16 00-0002 Open Face, Wall Mounted Directories <small>(10 13 16 00-0001)</small> Note: Includes vinyl or felt back panel.		
10 13 16 00-0003 Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series) <small>(10 13 16 00-0002)</small>		
10 13 16 00-0004 SF Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory	41.76	4.97
10 13 16 00-0005 SF >6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory.....	28.53	2.34
10 13 16 00-0006 SF >12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory.....	26.09	2.02
10 13 16 00-0007 SF >16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory.....	20.23	1.31
10 13 16 00-0008 SF >24 SF, Wood Frame, Open Face, Wall Mounted Directory.....	16.58	0.73
10 13 16 00-0009 Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series) <small>(10 13 16 00-0002)</small>		
10 13 16 00-0010 SF Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	42.23	4.97
For Bronze Anodize Finish, Add	12.00	
10 13 16 00-0011 SF >6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	28.85	2.34
For Bronze Anodize Finish, Add	12.00	
10 13 16 00-0012 SF >12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	26.72	2.02
For Bronze Anodize Finish, Add	12.00	
10 13 16 00-0013 SF >16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	19.21	1.31
For Bronze Anodize Finish, Add	12.00	
10 13 16 00-0014 SF >24 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	17.05	0.73
For Bronze Anodize Finish, Add	12.00	
10 13 16 00-0015 Glass Encased, Wall Mounted Directory Cabinets <small>(10 13 16 00-0001)</small> Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 16 00-0016 Wood Frame, Glass Encased, Wall Mounted Directory Cabinets <small>(10 13 16 00-0015)</small>		
10 13 16 00-0017 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series) <small>(10 13 16 00-0016)</small>		
10 13 16 00-0018 SF Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	112.79	4.97
For Fluorescent Lights, Add	15.00	
10 13 16 00-0019 SF >6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	92.63	2.34
For Fluorescent Lights, Add	15.00	
10 13 16 00-0020 SF >12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	77.51	2.02
For Fluorescent Lights, Add	15.00	
10 13 16 00-0021 SF >16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	72.52	1.31
For Fluorescent Lights, Add	15.00	
10 13 16 00-0022 SF >24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	66.19	0.73
For Fluorescent Lights, Add	15.00	
10 13 16 00-0023 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series) <small>(10 13 16 00-0016)</small>		
10 13 16 00-0024 SF Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	96.09	4.97
For Fluorescent Lights, Add	15.00	
10 13 16 00-0025 SF >12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	80.14	2.02
For Fluorescent Lights, Add	15.00	
10 13 16 00-0026 SF >16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	57.64	1.31
For Fluorescent Lights, Add	15.00	
10 13 16 00-0027 SF >24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	52.49	0.73
For Fluorescent Lights, Add	15.00	
10 13 16 00-0028 Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets <small>(10 13 16 00-0015)</small>		
10 13 16 00-0029 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) <small>(10 13 16 00-0028)</small>		
10 13 16 00-0030 SF Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	100.27	4.97
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	18.07	
10 13 16 00-0031 SF >6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	79.65	2.34
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	15.00	
10 13 16 00-0032 SF >12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	67.37	2.02
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	12.67	
10 13 16 00-0033 SF >16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	49.73	1.31
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	9.42	



Specialties	10	10
Information Specialties	10 10	
Directories	10 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 16 00-0034 SF >24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	47.06 15.00 12.00 9.12	0.73
10 13 16 00-0035 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) (10 13 16 00-0028)		
10 13 16 00-0036 SF Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	158.08 15.00 12.00 29.63	4.97
10 13 16 00-0037 SF >6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	92.57 15.00 12.00 17.58	2.34
10 13 16 00-0038 SF >12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	77.94 15.00 12.00 14.78	2.02
10 13 16 00-0039 SF >16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	60.40 15.00 12.00 11.55	1.31
10 13 16 00-0040 SF >24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	56.51 15.00 12.00 11.01	0.73
10 13 16 00-0041 Outdoor, Glass Encased, Wall Mounted Directory Cabinets (10 13 16 00-0001) Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 16 00-0042 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (10 13 16 00-0041)		
10 13 16 00-0043 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) (10 13 16 00-0042)		
10 13 16 00-0044 SF Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	155.16 15.00 12.00	4.97
10 13 16 00-0045 SF >6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	104.93 15.00 12.00	2.34
10 13 16 00-0046 SF >12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	102.32 15.00 12.00	2.02
10 13 16 00-0047 Wall Mounted Bulletin Boards (10 13 16)		
10 13 16 00-0048 Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 16 00-0047) Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 16 00-0049 Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 16 00-0048)		
10 13 16 00-0050 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) (10 13 16 00-0049)		
10 13 16 00-0051 SF Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i>	109.95 15.00	4.97
10 13 16 00-0052 SF >6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i>	90.51 15.00	2.34
10 13 16 00-0053 SF >12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i>	75.39 15.00	2.02
10 13 16 00-0054 SF >16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i>	70.51 15.00	1.31
10 13 16 00-0055 SF >24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i>	65.25 15.00	0.73
10 13 16 00-0056 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series) (10 13 16 00-0049)		
10 13 16 00-0057 SF Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i>	91.05 15.00	4.97
10 13 16 00-0058 SF >12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i>	75.36 15.00	2.02
10 13 16 00-0059 SF >16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i>	53.94 15.00	1.31
10 13 16 00-0060 SF >24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i>	49.66 15.00	0.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 16 00-0061 Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets ^(10 13 16 00-0048)		
10 13 16 00-0062 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) ^(10 13 16 00-0061)		
10 13 16 00-0063 SF Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	102.86	4.97
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	18.58	
10 13 16 00-0064 SF >6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	82.24	2.34
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	15.51	
10 13 16 00-0065 SF >12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	69.95	2.02
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	13.18	
10 13 16 00-0066 SF >16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	52.32	1.31
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	9.94	
10 13 16 00-0067 SF >24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	49.66	0.73
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	9.64	
10 13 16 00-0068 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) ^(10 13 16 00-0061)		
10 13 16 00-0069 SF Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	160.67	4.97
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	30.15	
10 13 16 00-0070 SF >6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	95.15	2.34
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	18.10	
10 13 16 00-0071 SF >12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	80.53	2.02
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	15.30	
10 13 16 00-0072 SF >16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	62.99	1.31
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	12.07	
10 13 16 00-0073 SF >24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	59.10	0.73
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	11.53	
10 13 16 00-0074 Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets ^(10 13 16 00-0047) Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 16 00-0075 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets ^(10 13 16 00-0074)		
10 13 16 00-0076 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets ^(10 13 16 00-0075)		
10 13 16 00-0077 SF Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	152.57	4.97
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
10 13 16 00-0078 SF >6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	102.34	2.34
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
10 13 16 00-0079 SF >12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	99.76	2.02
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
10 14 Signage ^(10 10)		
10 14 19 Dimensional Letter Signage ^(10 14) Note: Mounted on masonry or concrete.		
10 14 19 00-0001 Cast Characters ^(10 14 19)		
10 14 19 00-0002 Satin Finish, Cast Aluminum Characters ^(10 14 19 00-0001)		
10 14 19 00-0003 EA 2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs.....	30.46	3.65
For Installation With Adhesive, Deduct	-2.98	
For Clear Anodized, Add	1.59	
For Satin Face And Enameled Return, Add	4.76	
For Patina Finish, Add	6.34	
For Color Anodized, Add	7.93	



Specialties	10
Information Specialties	10 10
Signage	10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0004	EA		3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	36.51	3.94
			<i>For Installation With Adhesive, Deduct</i>	-3.40	
			<i>For Clear Anodized, Add</i>	2.07	
			<i>For Satin Face And Enameled Return, Add</i>	6.22	
			<i>For Patina Finish, Add</i>	8.29	
			<i>For Color Anodized, Add</i>	10.37	
10 14 19 00-0005	EA		4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	40.11	4.24
			<i>For Installation With Adhesive, Deduct</i>	-3.70	
			<i>For Clear Anodized, Add</i>	2.32	
			<i>For Satin Face And Enameled Return, Add</i>	6.95	
			<i>For Patina Finish, Add</i>	9.27	
			<i>For Color Anodized, Add</i>	11.59	
10 14 19 00-0006	EA		5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	46.10	4.85
			<i>For Installation With Adhesive, Deduct</i>	-4.23	
			<i>For Clear Anodized, Add</i>	2.68	
			<i>For Satin Face And Enameled Return, Add</i>	8.05	
			<i>For Patina Finish, Add</i>	10.73	
			<i>For Color Anodized, Add</i>	13.42	
10 14 19 00-0007	EA		6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	50.94	5.11
			<i>For Installation With Adhesive, Deduct</i>	-4.59	
			<i>For Clear Anodized, Add</i>	3.05	
			<i>For Satin Face And Enameled Return, Add</i>	9.15	
			<i>For Patina Finish, Add</i>	12.20	
			<i>For Color Anodized, Add</i>	15.25	
10 14 19 00-0008	EA		8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	61.18	5.84
			<i>For Installation With Adhesive, Deduct</i>	-5.40	
			<i>For Clear Anodized, Add</i>	3.78	
			<i>For Satin Face And Enameled Return, Add</i>	11.34	
			<i>For Patina Finish, Add</i>	15.12	
			<i>For Color Anodized, Add</i>	18.91	
10 14 19 00-0009	EA		9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	68.45	6.13
			<i>For Installation With Adhesive, Deduct</i>	-5.88	
			<i>For Clear Anodized, Add</i>	4.39	
			<i>For Satin Face And Enameled Return, Add</i>	13.17	
			<i>For Patina Finish, Add</i>	17.56	
			<i>For Color Anodized, Add</i>	21.96	
10 14 19 00-0010	EA		10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	78.73	6.58
			<i>For Installation With Adhesive, Deduct</i>	-6.56	
			<i>For Clear Anodized, Add</i>	5.25	
			<i>For Satin Face And Enameled Return, Add</i>	15.74	
			<i>For Patina Finish, Add</i>	20.98	
			<i>For Color Anodized, Add</i>	26.23	
10 14 19 00-0011	EA		12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	96.24	7.59
			<i>For Installation With Adhesive, Deduct</i>	-7.85	
			<i>For Clear Anodized, Add</i>	6.59	
			<i>For Satin Face And Enameled Return, Add</i>	19.76	
			<i>For Patina Finish, Add</i>	26.34	
			<i>For Color Anodized, Add</i>	32.93	
10 14 19 00-0012	EA		14" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	115.55	8.77
			<i>For Installation With Adhesive, Deduct</i>	-9.28	
			<i>For Clear Anodized, Add</i>	8.05	
			<i>For Satin Face And Enameled Return, Add</i>	24.15	
			<i>For Patina Finish, Add</i>	32.20	
			<i>For Color Anodized, Add</i>	40.25	
10 14 19 00-0013	EA		15" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	126.78	9.74
			<i>For Installation With Adhesive, Deduct</i>	-10.24	
			<i>For Clear Anodized, Add</i>	8.78	
			<i>For Satin Face And Enameled Return, Add</i>	26.35	
			<i>For Patina Finish, Add</i>	35.13	
			<i>For Color Anodized, Add</i>	43.91	
10 14 19 00-0014	EA		16" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	142.07	10.52
			<i>For Installation With Adhesive, Deduct</i>	-11.31	
			<i>For Clear Anodized, Add</i>	10.00	
			<i>For Satin Face And Enameled Return, Add</i>	30.00	
			<i>For Patina Finish, Add</i>	40.00	
			<i>For Color Anodized, Add</i>	50.01	
10 14 19 00-0015	EA		18" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	173.59	11.68
			<i>For Installation With Adhesive, Deduct</i>	-13.35	
			<i>For Clear Anodized, Add</i>	12.69	
			<i>For Satin Face And Enameled Return, Add</i>	38.06	
			<i>For Patina Finish, Add</i>	50.74	
			<i>For Color Anodized, Add</i>	63.43	
10 14 19 00-0016	EA		20" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	211.14	13.14
			<i>For Installation With Adhesive, Deduct</i>	-15.82	
			<i>For Clear Anodized, Add</i>	15.86	
			<i>For Satin Face And Enameled Return, Add</i>	47.57	
			<i>For Patina Finish, Add</i>	63.42	
			<i>For Color Anodized, Add</i>	79.28	
10 14 19 00-0017	EA		24" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	256.01	14.60
			<i>For Installation With Adhesive, Deduct</i>	-18.64	
			<i>For Clear Anodized, Add</i>	19.76	
			<i>For Satin Face And Enameled Return, Add</i>	59.28	
			<i>For Patina Finish, Add</i>	79.04	
			<i>For Color Anodized, Add</i>	98.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0018 Satin Finish, Cast Bronze Characters <small>(10 14 19 00-0001)</small>		
10 14 19 00-0019 EA 2" High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	39.88	4.01
For Installation With Adhesive, Deduct	-3.60	
For Oxidized Finish, Add	3.57	
For Polished Or Patina Finish, Add	7.14	
10 14 19 00-0020 EA 3" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	59.49	4.38
For Installation With Adhesive, Deduct	-4.73	
For Oxidized Finish, Add	6.29	
For Polished Or Patina Finish, Add	12.59	
10 14 19 00-0021 EA 4" High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	65.18	4.67
For Installation With Adhesive, Deduct	-5.13	
For Oxidized Finish, Add	6.97	
For Polished Or Patina Finish, Add	13.95	
10 14 19 00-0022 EA 5" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	80.00	5.25
For Installation With Adhesive, Deduct	-6.10	
For Oxidized Finish, Add	8.85	
For Polished Or Patina Finish, Add	17.69	
10 14 19 00-0023 EA 6" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	89.40	5.61
For Installation With Adhesive, Deduct	-6.72	
For Oxidized Finish, Add	10.04	
For Polished Or Patina Finish, Add	20.07	
10 14 19 00-0024 EA 8" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	120.96	6.43
For Installation With Adhesive, Deduct	-8.62	
For Oxidized Finish, Add	14.29	
For Polished Or Patina Finish, Add	28.58	
10 14 19 00-0025 EA 9" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	139.14	6.72
For Installation With Adhesive, Deduct	-9.64	
For Oxidized Finish, Add	16.84	
For Polished Or Patina Finish, Add	33.68	
10 14 19 00-0026 EA 10" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	156.22	7.30
For Installation With Adhesive, Deduct	-10.73	
For Oxidized Finish, Add	19.05	
For Polished Or Patina Finish, Add	38.10	
10 14 19 00-0027 EA 12" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	185.84	8.47
For Installation With Adhesive, Deduct	-12.68	
For Oxidized Finish, Add	22.79	
For Polished Or Patina Finish, Add	45.59	
10 14 19 00-0028 EA 14" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	218.87	9.64
For Installation With Adhesive, Deduct	-14.80	
For Oxidized Finish, Add	27.05	
For Polished Or Patina Finish, Add	54.09	
10 14 19 00-0029 EA 15" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	258.80	11.68
For Installation With Adhesive, Deduct	-17.61	
For Oxidized Finish, Add	31.81	
For Polished Or Patina Finish, Add	63.62	
10 14 19 00-0030 EA 16" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	267.97	12.56
For Installation With Adhesive, Deduct	-18.42	
For Oxidized Finish, Add	32.66	
For Polished Or Patina Finish, Add	65.32	
10 14 19 00-0031 EA 18" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	386.15	14.60
For Installation With Adhesive, Deduct	-25.15	
For Oxidized Finish, Add	49.16	
For Polished Or Patina Finish, Add	98.32	
10 14 19 00-0032 EA 20" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	467.16	16.43
For Installation With Adhesive, Deduct	-29.93	
For Oxidized Finish, Add	60.22	
For Polished Or Patina Finish, Add	120.43	
10 14 19 00-0033 EA 24" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	597.59	18.98
For Installation With Adhesive, Deduct	-37.47	
For Oxidized Finish, Add	78.25	
For Polished Or Patina Finish, Add	156.49	
10 14 19 00-0034 Molded Characters <small>(10 14 19)</small>		
10 14 19 00-0035 Molded Plastic Characters <small>(10 14 19 00-0034)</small>		
10 14 19 00-0036 EA 4" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	22.60	2.92
For Installation With Adhesive, Deduct	-2.30	
10 14 19 00-0037 EA 5" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	24.44	3.22
For Installation With Adhesive, Deduct	-2.51	
10 14 19 00-0038 EA 6" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	27.03	3.51
For Installation With Adhesive, Deduct	-2.75	
10 14 19 00-0039 EA 8" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	35.18	3.79
For Installation With Adhesive, Deduct	-3.28	
10 14 19 00-0040 EA 9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	38.03	4.09
For Installation With Adhesive, Deduct	-3.54	
10 14 19 00-0041 EA 10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	41.23	4.38
For Installation With Adhesive, Deduct	-3.81	
10 14 19 00-0042 EA 12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	48.05	5.11
For Installation With Adhesive, Deduct	-4.45	
10 14 19 00-0043 EA 15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	63.55	6.43
For Installation With Adhesive, Deduct	-5.75	
10 14 19 00-0044 EA 18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	81.40	7.59
For Installation With Adhesive, Deduct	-7.11	



Specialties	10
Information Specialties	10 10
Signage	10 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0045 EA 24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i>	122.07 -9.84	9.35
10 14 19 00-0046 EA 30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i>	183.63 -13.56	10.95
10 14 19 00-0047 EA 36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i>	242.54 -17.15	12.56
10 14 19 00-0048 EA 48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i>	459.07 -29.67	16.79
10 14 19 00-0049 Cutout Characters <small>(10 14 19)</small>		
10 14 19 00-0050 Satin Finish, Aluminum Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0051 1/4" Deep, Satin Finish, Aluminum Characters <small>(10 14 19 00-0050)</small>		
10 14 19 00-0052 EA 2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	28.02 -2.86 1.34 4.70 6.71 6.71 10.07	3.65
10 14 19 00-0053 EA 4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	40.11 -3.70 2.32 8.11 11.59 11.59 17.38	4.24
10 14 19 00-0054 EA 6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	54.60 -4.78 3.42 11.95 17.08 17.08 25.61	5.11
10 14 19 00-0055 EA 8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	67.28 -5.70 4.39 15.37 21.96 21.96 32.93	5.84
10 14 19 00-0056 EA 10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	77.51 -6.50 5.12 17.93 25.62 25.62 38.42	6.58
10 14 19 00-0057 EA 12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	88.92 -7.48 5.85 20.49 29.27 29.27 43.91	7.59
10 14 19 00-0058 EA 14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	104.57 -8.73 6.95 24.33 34.76 34.76 52.14	8.77
10 14 19 00-0059 EA 16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	123.78 -10.40 8.17 28.60 40.86 40.86 61.29	10.52
10 14 19 00-0060 EA 18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	139.44 -11.65 9.27 32.45 46.35 46.35 69.53	11.68
10 14 19 00-0061 EA 20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	168.45 -13.68 11.59 40.55 57.94 57.94 86.90	13.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0062 EA 22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	194.54	13.88
For Installation With Adhesive, Deduct	-15.28	
For Clear Anodized, Add	13.90	
For Satin Face And Enameled Return, Add	48.66	
For Color Anodized, Add	69.52	
For Polished Or Patina Finish, Add	69.52	
For Polished Anodized Finish, Add	104.28	
10 14 19 00-0063 EA 24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	243.81	14.60
For Installation With Adhesive, Deduct	-18.03	
For Clear Anodized, Add	18.54	
For Satin Face And Enameled Return, Add	64.89	
For Color Anodized, Add	92.70	
For Polished Or Patina Finish, Add	92.70	
For Polished Anodized Finish, Add	139.04	
10 14 19 00-0064 EA 30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	352.66	17.53
For Installation With Adhesive, Deduct	-24.64	
For Clear Anodized, Add	28.26	
For Satin Face And Enameled Return, Add	98.90	
For Color Anodized, Add	141.28	
For Polished Or Patina Finish, Add	141.28	
For Polished Anodized Finish, Add	211.92	
10 14 19 00-0065 3/8" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)		
10 14 19 00-0066 EA 2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	36.60	3.65
For Installation With Adhesive, Deduct	-3.29	
For Clear Anodized, Add	2.20	
For Satin Face And Enameled Return, Add	7.70	
For Color Anodized, Add	11.00	
For Polished Or Patina Finish, Add	11.00	
For Polished Anodized Finish, Add	16.50	
10 14 19 00-0067 EA 4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	53.55	4.24
For Installation With Adhesive, Deduct	-4.37	
For Clear Anodized, Add	3.66	
For Satin Face And Enameled Return, Add	12.81	
For Color Anodized, Add	18.31	
For Polished Or Patina Finish, Add	18.31	
For Polished Anodized Finish, Add	27.46	
10 14 19 00-0068 EA 6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	67.92	5.11
For Installation With Adhesive, Deduct	-5.44	
For Clear Anodized, Add	4.75	
For Satin Face And Enameled Return, Add	16.61	
For Color Anodized, Add	23.74	
For Polished Or Patina Finish, Add	23.74	
For Polished Anodized Finish, Add	35.60	
10 14 19 00-0069 EA 8" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	85.72	5.84
For Installation With Adhesive, Deduct	-6.62	
For Clear Anodized, Add	6.24	
For Satin Face And Enameled Return, Add	21.82	
For Color Anodized, Add	31.18	
For Polished Or Patina Finish, Add	31.18	
For Polished Anodized Finish, Add	46.76	
10 14 19 00-0070 EA 10" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	99.53	6.58
For Installation With Adhesive, Deduct	-7.60	
For Clear Anodized, Add	7.33	
For Satin Face And Enameled Return, Add	25.64	
For Color Anodized, Add	36.63	
For Polished Or Patina Finish, Add	36.63	
For Polished Anodized Finish, Add	54.94	
10 14 19 00-0071 EA 12" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	117.03	7.59
For Installation With Adhesive, Deduct	-8.89	
For Clear Anodized, Add	8.67	
For Satin Face And Enameled Return, Add	30.33	
For Color Anodized, Add	43.33	
For Polished Or Patina Finish, Add	43.33	
For Polished Anodized Finish, Add	64.99	
10 14 19 00-0072 EA 14" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	137.25	8.77
For Installation With Adhesive, Deduct	-10.37	
For Clear Anodized, Add	10.22	
For Satin Face And Enameled Return, Add	35.77	
For Color Anodized, Add	51.10	
For Polished Or Patina Finish, Add	51.10	
For Polished Anodized Finish, Add	76.65	
10 14 19 00-0073 EA 16" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	170.36	10.52
For Installation With Adhesive, Deduct	-12.72	
For Clear Anodized, Add	12.83	
For Satin Face And Enameled Return, Add	44.91	
For Color Anodized, Add	64.15	
For Polished Or Patina Finish, Add	64.15	
For Polished Anodized Finish, Add	96.23	
10 14 19 00-0074 EA 18" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	197.83	11.68
For Installation With Adhesive, Deduct	-14.57	
For Clear Anodized, Add	15.11	
For Satin Face And Enameled Return, Add	52.88	
For Color Anodized, Add	75.55	
For Polished Or Patina Finish, Add	75.55	
For Polished Anodized Finish, Add	113.32	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0075	EA		20" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	229.86	13.14
			<i>For Installation With Adhesive, Deduct</i>	-16.75	
			<i>For Clear Anodized, Add</i>	17.73	
			<i>For Satin Face And Enameled Return, Add</i>	62.05	
			<i>For Color Anodized, Add</i>	88.64	
			<i>For Polished Or Patina Finish, Add</i>	88.64	
			<i>For Polished Anodized Finish, Add</i>	132.96	
10 14 19 00-0076	EA		22" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	258.50	13.88
			<i>For Installation With Adhesive, Deduct</i>	-18.48	
			<i>For Clear Anodized, Add</i>	20.30	
			<i>For Satin Face And Enameled Return, Add</i>	71.05	
			<i>For Color Anodized, Add</i>	101.50	
			<i>For Polished Or Patina Finish, Add</i>	101.50	
			<i>For Polished Anodized Finish, Add</i>	152.25	
10 14 19 00-0077	EA		24" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	288.31	14.60
			<i>For Installation With Adhesive, Deduct</i>	-20.26	
			<i>For Clear Anodized, Add</i>	22.99	
			<i>For Satin Face And Enameled Return, Add</i>	80.46	
			<i>For Color Anodized, Add</i>	114.95	
			<i>For Polished Or Patina Finish, Add</i>	114.95	
			<i>For Polished Anodized Finish, Add</i>	172.42	
10 14 19 00-0078	EA		30" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	399.41	17.53
			<i>For Installation With Adhesive, Deduct</i>	-26.98	
			<i>For Clear Anodized, Add</i>	32.93	
			<i>For Satin Face And Enameled Return, Add</i>	115.26	
			<i>For Color Anodized, Add</i>	164.66	
			<i>For Polished Or Patina Finish, Add</i>	164.66	
			<i>For Polished Anodized Finish, Add</i>	246.98	
10 14 19 00-0079			1/2" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)		
10 14 19 00-0080	EA		2" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	46.53	3.65
			<i>For Installation With Adhesive, Deduct</i>	-3.79	
			<i>For Clear Anodized, Add</i>	3.19	
			<i>For Satin Face And Enameled Return, Add</i>	11.18	
			<i>For Color Anodized, Add</i>	15.97	
			<i>For Polished Or Patina Finish, Add</i>	15.97	
			<i>For Polished Anodized Finish, Add</i>	23.95	
10 14 19 00-0081	EA		4" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	60.74	4.24
			<i>For Installation With Adhesive, Deduct</i>	-4.73	
			<i>For Clear Anodized, Add</i>	4.38	
			<i>For Satin Face And Enameled Return, Add</i>	15.33	
			<i>For Color Anodized, Add</i>	21.90	
			<i>For Polished Or Patina Finish, Add</i>	21.90	
			<i>For Polished Anodized Finish, Add</i>	32.85	
10 14 19 00-0082	EA		6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	76.46	5.11
			<i>For Installation With Adhesive, Deduct</i>	-5.87	
			<i>For Clear Anodized, Add</i>	5.60	
			<i>For Satin Face And Enameled Return, Add</i>	19.60	
			<i>For Color Anodized, Add</i>	28.01	
			<i>For Polished Or Patina Finish, Add</i>	28.01	
			<i>For Polished Anodized Finish, Add</i>	42.01	
10 14 19 00-0083	EA		8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	90.55	5.84
			<i>For Installation With Adhesive, Deduct</i>	-6.86	
			<i>For Clear Anodized, Add</i>	6.72	
			<i>For Satin Face And Enameled Return, Add</i>	23.51	
			<i>For Color Anodized, Add</i>	33.59	
			<i>For Polished Or Patina Finish, Add</i>	33.59	
			<i>For Polished Anodized Finish, Add</i>	50.39	
10 14 19 00-0084	EA		10" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	105.68	6.58
			<i>For Installation With Adhesive, Deduct</i>	-7.91	
			<i>For Clear Anodized, Add</i>	7.94	
			<i>For Satin Face And Enameled Return, Add</i>	27.79	
			<i>For Color Anodized, Add</i>	39.70	
			<i>For Polished Or Patina Finish, Add</i>	39.70	
			<i>For Polished Anodized Finish, Add</i>	59.55	
10 14 19 00-0085	EA		12" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	130.49	7.59
			<i>For Installation With Adhesive, Deduct</i>	-9.56	
			<i>For Clear Anodized, Add</i>	10.01	
			<i>For Satin Face And Enameled Return, Add</i>	35.04	
			<i>For Color Anodized, Add</i>	50.06	
			<i>For Polished Or Patina Finish, Add</i>	50.06	
			<i>For Polished Anodized Finish, Add</i>	75.08	
10 14 19 00-0086	EA		14" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	161.58	8.77
			<i>For Installation With Adhesive, Deduct</i>	-11.58	
			<i>For Clear Anodized, Add</i>	12.65	
			<i>For Satin Face And Enameled Return, Add</i>	44.29	
			<i>For Color Anodized, Add</i>	63.27	
			<i>For Polished Or Patina Finish, Add</i>	63.27	
			<i>For Polished Anodized Finish, Add</i>	94.90	
10 14 19 00-0087	EA		16" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	195.69	10.52
			<i>For Installation With Adhesive, Deduct</i>	-13.99	
			<i>For Clear Anodized, Add</i>	15.36	
			<i>For Satin Face And Enameled Return, Add</i>	53.77	
			<i>For Color Anodized, Add</i>	76.82	
			<i>For Polished Or Patina Finish, Add</i>	76.82	
			<i>For Polished Anodized Finish, Add</i>	115.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0088 EA 18" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	238.62	11.68
For Installation With Adhesive, Deduct	-16.61	
For Clear Anodized, Add	19.19	
For Satin Face And Enameled Return, Add	67.16	
For Color Anodized, Add	95.94	
For Polished Or Patina Finish, Add	95.94	
For Polished Anodized Finish, Add	143.91	
10 14 19 00-0089 EA 20" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	282.00	13.14
For Installation With Adhesive, Deduct	-19.36	
For Clear Anodized, Add	22.94	
For Satin Face And Enameled Return, Add	80.30	
For Color Anodized, Add	114.71	
For Polished Or Patina Finish, Add	114.71	
For Polished Anodized Finish, Add	172.07	
10 14 19 00-0090 EA 22" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	325.24	13.88
For Installation With Adhesive, Deduct	-21.81	
For Clear Anodized, Add	26.97	
For Satin Face And Enameled Return, Add	94.41	
For Color Anodized, Add	134.87	
For Polished Or Patina Finish, Add	134.87	
For Polished Anodized Finish, Add	202.31	
10 14 19 00-0091 EA 24" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	366.17	14.60
For Installation With Adhesive, Deduct	-24.15	
For Clear Anodized, Add	30.78	
For Satin Face And Enameled Return, Add	107.71	
For Color Anodized, Add	153.88	
For Polished Or Patina Finish, Add	153.88	
For Polished Anodized Finish, Add	230.81	
10 14 19 00-0092 EA 30" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	511.38	17.53
For Installation With Adhesive, Deduct	-32.58	
For Clear Anodized, Add	44.13	
For Satin Face And Enameled Return, Add	154.45	
For Color Anodized, Add	220.64	
For Polished Or Patina Finish, Add	220.64	
For Polished Anodized Finish, Add	330.96	
10 14 19 00-0093 3/4" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)		
10 14 19 00-0094 EA 2" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	48.81	3.65
For Installation With Adhesive, Deduct	-3.90	
For Clear Anodized, Add	3.42	
For Satin Face And Enameled Return, Add	11.97	
For Color Anodized, Add	17.11	
For Polished Or Patina Finish, Add	17.11	
For Polished Anodized Finish, Add	25.66	
10 14 19 00-0095 EA 4" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	63.29	4.24
For Installation With Adhesive, Deduct	-4.86	
For Clear Anodized, Add	4.64	
For Satin Face And Enameled Return, Add	16.22	
For Color Anodized, Add	23.18	
For Polished Or Patina Finish, Add	23.18	
For Polished Anodized Finish, Add	34.76	
10 14 19 00-0096 EA 6" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	83.97	5.11
For Installation With Adhesive, Deduct	-6.24	
For Clear Anodized, Add	6.35	
For Satin Face And Enameled Return, Add	22.23	
For Color Anodized, Add	31.76	
For Polished Or Patina Finish, Add	31.76	
For Polished Anodized Finish, Add	47.64	
10 14 19 00-0097 EA 8" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	112.50	5.84
For Installation With Adhesive, Deduct	-7.96	
For Clear Anodized, Add	8.91	
For Satin Face And Enameled Return, Add	31.20	
For Color Anodized, Add	44.57	
For Polished Or Patina Finish, Add	44.57	
For Polished Anodized Finish, Add	66.85	
10 14 19 00-0098 EA 10" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	142.05	6.58
For Installation With Adhesive, Deduct	-9.73	
For Clear Anodized, Add	11.58	
For Satin Face And Enameled Return, Add	40.52	
For Color Anodized, Add	57.89	
For Polished Or Patina Finish, Add	57.89	
For Polished Anodized Finish, Add	86.83	
10 14 19 00-0099 EA 12" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	179.08	7.59
For Installation With Adhesive, Deduct	-11.99	
For Clear Anodized, Add	14.87	
For Satin Face And Enameled Return, Add	52.05	
For Color Anodized, Add	74.35	
For Polished Or Patina Finish, Add	74.35	
For Polished Anodized Finish, Add	111.53	
10 14 19 00-0100 EA 14" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	224.15	8.77
For Installation With Adhesive, Deduct	-14.71	
For Clear Anodized, Add	18.91	
For Satin Face And Enameled Return, Add	66.19	
For Color Anodized, Add	94.55	
For Polished Or Patina Finish, Add	94.55	
For Polished Anodized Finish, Add	141.83	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0101	EA		16" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	277.41	10.52
			<i>For Installation With Adhesive, Deduct</i>	-18.08	
			<i>For Clear Anodized, Add</i>	23.54	
			<i>For Satin Face And Enameled Return, Add</i>	82.37	
			<i>For Color Anodized, Add</i>	117.68	
			<i>For Polished Or Patina Finish, Add</i>	117.68	
			<i>For Polished Anodized Finish, Add</i>	176.51	
10 14 19 00-0102	EA		18" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	340.59	11.68
			<i>For Installation With Adhesive, Deduct</i>	-21.70	
			<i>For Clear Anodized, Add</i>	29.39	
			<i>For Satin Face And Enameled Return, Add</i>	102.85	
			<i>For Color Anodized, Add</i>	146.93	
			<i>For Polished Or Patina Finish, Add</i>	146.93	
			<i>For Polished Anodized Finish, Add</i>	220.39	
10 14 19 00-0103	EA		20" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	405.98	13.14
			<i>For Installation With Adhesive, Deduct</i>	-25.56	
			<i>For Clear Anodized, Add</i>	35.34	
			<i>For Satin Face And Enameled Return, Add</i>	123.69	
			<i>For Color Anodized, Add</i>	176.70	
			<i>For Polished Or Patina Finish, Add</i>	176.70	
			<i>For Polished Anodized Finish, Add</i>	265.05	
10 14 19 00-0104	EA		22" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	472.63	13.88
			<i>For Installation With Adhesive, Deduct</i>	-29.18	
			<i>For Clear Anodized, Add</i>	41.71	
			<i>For Satin Face And Enameled Return, Add</i>	146.00	
			<i>For Color Anodized, Add</i>	208.57	
			<i>For Polished Or Patina Finish, Add</i>	208.57	
			<i>For Polished Anodized Finish, Add</i>	312.85	
10 14 19 00-0105	EA		24" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	542.29	14.60
			<i>For Installation With Adhesive, Deduct</i>	-32.96	
			<i>For Clear Anodized, Add</i>	48.39	
			<i>For Satin Face And Enameled Return, Add</i>	169.35	
			<i>For Color Anodized, Add</i>	241.94	
			<i>For Polished Or Patina Finish, Add</i>	241.94	
			<i>For Polished Anodized Finish, Add</i>	362.90	
10 14 19 00-0106	EA		30" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	748.49	17.53
			<i>For Installation With Adhesive, Deduct</i>	-44.43	
			<i>For Clear Anodized, Add</i>	67.84	
			<i>For Satin Face And Enameled Return, Add</i>	237.44	
			<i>For Color Anodized, Add</i>	339.20	
			<i>For Polished Or Patina Finish, Add</i>	339.20	
			<i>For Polished Anodized Finish, Add</i>	508.79	
10 14 19 00-0107			1" Deep, Satin Finish, Aluminum Characters <small>(10 14 19 00-0050)</small>		
10 14 19 00-0108	EA		2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	54.85	3.65
			<i>For Installation With Adhesive, Deduct</i>	-4.20	
			<i>For Clear Anodized, Add</i>	4.03	
			<i>For Satin Face And Enameled Return, Add</i>	14.09	
			<i>For Color Anodized, Add</i>	20.13	
			<i>For Polished Or Patina Finish, Add</i>	20.13	
			<i>For Polished Anodized Finish, Add</i>	30.19	
10 14 19 00-0109	EA		4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	68.15	4.24
			<i>For Installation With Adhesive, Deduct</i>	-5.10	
			<i>For Clear Anodized, Add</i>	5.12	
			<i>For Satin Face And Enameled Return, Add</i>	17.92	
			<i>For Color Anodized, Add</i>	25.61	
			<i>For Polished Or Patina Finish, Add</i>	25.61	
			<i>For Polished Anodized Finish, Add</i>	38.41	
10 14 19 00-0110	EA		6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	90.12	5.11
			<i>For Installation With Adhesive, Deduct</i>	-6.55	
			<i>For Clear Anodized, Add</i>	6.97	
			<i>For Satin Face And Enameled Return, Add</i>	24.38	
			<i>For Color Anodized, Add</i>	34.84	
			<i>For Polished Or Patina Finish, Add</i>	34.84	
			<i>For Polished Anodized Finish, Add</i>	52.25	
10 14 19 00-0111	EA		8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	124.80	5.84
			<i>For Installation With Adhesive, Deduct</i>	-8.58	
			<i>For Clear Anodized, Add</i>	10.14	
			<i>For Satin Face And Enameled Return, Add</i>	35.50	
			<i>For Color Anodized, Add</i>	50.72	
			<i>For Polished Or Patina Finish, Add</i>	50.72	
			<i>For Polished Anodized Finish, Add</i>	76.07	
10 14 19 00-0112	EA		10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	171.25	6.58
			<i>For Installation With Adhesive, Deduct</i>	-11.19	
			<i>For Clear Anodized, Add</i>	14.50	
			<i>For Satin Face And Enameled Return, Add</i>	50.74	
			<i>For Color Anodized, Add</i>	72.49	
			<i>For Polished Or Patina Finish, Add</i>	72.49	
			<i>For Polished Anodized Finish, Add</i>	108.73	
10 14 19 00-0113	EA		12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	225.33	7.59
			<i>For Installation With Adhesive, Deduct</i>	-14.30	
			<i>For Clear Anodized, Add</i>	19.50	
			<i>For Satin Face And Enameled Return, Add</i>	68.23	
			<i>For Color Anodized, Add</i>	97.48	
			<i>For Polished Or Patina Finish, Add</i>	97.48	
			<i>For Polished Anodized Finish, Add</i>	146.21	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0114	EA		14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	286.02	8.77
			<i>For Installation With Adhesive, Deduct</i>	-17.81	
			<i>For Clear Anodized, Add</i>	25.10	
			<i>For Satin Face And Enameled Return, Add</i>	87.84	
			<i>For Color Anodized, Add</i>	125.49	
			<i>For Polished Or Patina Finish, Add</i>	125.49	
			<i>For Polished Anodized Finish, Add</i>	188.23	
10 14 19 00-0115	EA		16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	355.86	10.52
			<i>For Installation With Adhesive, Deduct</i>	-22.00	
			<i>For Clear Anodized, Add</i>	31.38	
			<i>For Satin Face And Enameled Return, Add</i>	109.83	
			<i>For Color Anodized, Add</i>	156.90	
			<i>For Polished Or Patina Finish, Add</i>	156.90	
			<i>For Polished Anodized Finish, Add</i>	235.35	
10 14 19 00-0116	EA		18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	432.35	11.68
			<i>For Installation With Adhesive, Deduct</i>	-26.29	
			<i>For Clear Anodized, Add</i>	38.56	
			<i>For Satin Face And Enameled Return, Add</i>	134.96	
			<i>For Color Anodized, Add</i>	192.81	
			<i>For Polished Or Patina Finish, Add</i>	192.81	
			<i>For Polished Anodized Finish, Add</i>	289.21	
10 14 19 00-0117	EA		20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	533.44	13.14
			<i>For Installation With Adhesive, Deduct</i>	-31.93	
			<i>For Clear Anodized, Add</i>	48.09	
			<i>For Satin Face And Enameled Return, Add</i>	168.30	
			<i>For Color Anodized, Add</i>	240.43	
			<i>For Polished Or Patina Finish, Add</i>	240.43	
			<i>For Polished Anodized Finish, Add</i>	360.65	
10 14 19 00-0118	EA		22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	638.09	13.88
			<i>For Installation With Adhesive, Deduct</i>	-37.45	
			<i>For Clear Anodized, Add</i>	58.26	
			<i>For Satin Face And Enameled Return, Add</i>	203.91	
			<i>For Color Anodized, Add</i>	291.30	
			<i>For Polished Or Patina Finish, Add</i>	291.30	
			<i>For Polished Anodized Finish, Add</i>	436.94	
10 14 19 00-0119	EA		24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	755.49	14.60
			<i>For Installation With Adhesive, Deduct</i>	-43.62	
			<i>For Clear Anodized, Add</i>	69.71	
			<i>For Satin Face And Enameled Return, Add</i>	243.97	
			<i>For Color Anodized, Add</i>	348.54	
			<i>For Polished Or Patina Finish, Add</i>	348.54	
			<i>For Polished Anodized Finish, Add</i>	522.80	
10 14 19 00-0120	EA		30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	1,071.21	17.53
			<i>For Installation With Adhesive, Deduct</i>	-60.57	
			<i>For Clear Anodized, Add</i>	100.11	
			<i>For Satin Face And Enameled Return, Add</i>	350.39	
			<i>For Color Anodized, Add</i>	500.56	
			<i>For Polished Or Patina Finish, Add</i>	500.56	
			<i>For Polished Anodized Finish, Add</i>	750.83	
10 14 19 00-0121			Satin Finish, Brass Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0122			1/4" Deep, Satin Finish, Brass Characters <small>(10 14 19 00-0121)</small>		
10 14 19 00-0123	EA		2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	43.31	3.65
			<i>For Installation With Adhesive, Deduct</i>	-3.63	
			<i>For Oxidized Finish, Add</i>	4.31	
			<i>For Polished Finish, Add</i>	8.61	
10 14 19 00-0124	EA		4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	56.89	4.24
			<i>For Installation With Adhesive, Deduct</i>	-4.54	
			<i>For Oxidized Finish, Add</i>	5.99	
			<i>For Polished Finish, Add</i>	11.99	
10 14 19 00-0125	EA		6" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	79.92	5.11
			<i>For Installation With Adhesive, Deduct</i>	-6.04	
			<i>For Oxidized Finish, Add</i>	8.92	
			<i>For Polished Finish, Add</i>	17.84	
10 14 19 00-0126	EA		8" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	106.42	5.84
			<i>For Installation With Adhesive, Deduct</i>	-7.66	
			<i>For Oxidized Finish, Add</i>	12.46	
			<i>For Polished Finish, Add</i>	24.92	
10 14 19 00-0127	EA		10" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	138.04	6.58
			<i>For Installation With Adhesive, Deduct</i>	-9.53	
			<i>For Oxidized Finish, Add</i>	16.76	
			<i>For Polished Finish, Add</i>	33.53	
10 14 19 00-0128	EA		12" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	175.98	7.59
			<i>For Installation With Adhesive, Deduct</i>	-11.84	
			<i>For Oxidized Finish, Add</i>	21.84	
			<i>For Polished Finish, Add</i>	43.68	
10 14 19 00-0129	EA		14" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	221.66	8.77
			<i>For Installation With Adhesive, Deduct</i>	-14.59	
			<i>For Oxidized Finish, Add</i>	27.99	
			<i>For Polished Finish, Add</i>	55.98	
10 14 19 00-0130	EA		16" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	270.71	10.52
			<i>For Installation With Adhesive, Deduct</i>	-17.74	
			<i>For Oxidized Finish, Add</i>	34.30	
			<i>For Polished Finish, Add</i>	68.60	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0131 EA 18" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	330.90 -21.22 42.62 85.25	11.68
10 14 19 00-0132 EA 20" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	395.04 -25.01 51.37 102.74	13.14
10 14 19 00-0133 EA 22" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	490.24 -30.06 65.21 130.42	13.88
10 14 19 00-0134 EA 24" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	538.86 -32.79 72.07 144.13	14.60
10 14 19 00-0135 EA 30" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	819.22 -47.97 112.37 224.74	17.53
10 14 19 00-0136 3/8" Deep, Satin Finish, Brass Characters <small>(10 14 19 00-0121)</small>		
10 14 19 00-0137 EA 2" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	53.36 -4.13 5.81 11.63	3.65
10 14 19 00-0138 EA 4" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	70.87 -5.24 8.09 16.18	4.24
10 14 19 00-0139 EA 6" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	103.71 -7.23 12.49 24.98	5.11
10 14 19 00-0140 EA 8" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	139.64 -9.32 17.44 34.88	5.84
10 14 19 00-0141 EA 10" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	188.33 -12.04 24.31 48.62	6.58
10 14 19 00-0142 EA 12" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	241.49 -15.11 31.67 63.33	7.59
10 14 19 00-0143 EA 14" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	305.63 -18.79 40.59 81.17	8.77
10 14 19 00-0144 EA 16" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	362.17 -22.31 48.02 96.03	10.52
10 14 19 00-0145 EA 18" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	458.77 -27.61 61.80 123.61	11.68
10 14 19 00-0146 EA 20" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	532.02 -31.86 71.92 143.83	13.14
10 14 19 00-0147 EA 22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	659.79 -38.54 90.64 181.29	13.88
10 14 19 00-0148 EA 24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	755.06 -43.60 104.50 208.99	14.60
10 14 19 00-0149 EA 30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	1,051.45 -59.58 147.20 294.41	17.53
10 14 19 00-0150 1/2" Deep, Satin Finish, Brass Characters <small>(10 14 19 00-0121)</small>		
10 14 19 00-0151 EA 2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	69.15 -4.92 8.18 16.37	3.65

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0152 EA 4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	90.84	4.24
For Installation With Adhesive, Deduct	-6.24	
For Oxidized Finish, Add	11.09	
For Polished Finish, Add	22.17	
10 14 19 00-0153 EA 6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	133.44	5.11
For Installation With Adhesive, Deduct	-8.72	
For Oxidized Finish, Add	16.95	
For Polished Finish, Add	33.90	
10 14 19 00-0154 EA 8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	185.32	5.84
For Installation With Adhesive, Deduct	-11.60	
For Oxidized Finish, Add	24.29	
For Polished Finish, Add	48.59	
10 14 19 00-0155 EA 10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	260.98	6.58
For Installation With Adhesive, Deduct	-15.68	
For Oxidized Finish, Add	35.21	
For Polished Finish, Add	70.41	
10 14 19 00-0156 EA 12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	350.69	7.59
For Installation With Adhesive, Deduct	-20.57	
For Oxidized Finish, Add	48.05	
For Polished Finish, Add	96.09	
10 14 19 00-0157 EA 14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	436.26	8.77
For Installation With Adhesive, Deduct	-25.32	
For Oxidized Finish, Add	60.18	
For Polished Finish, Add	120.36	
10 14 19 00-0158 EA 16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	519.93	10.52
For Installation With Adhesive, Deduct	-30.20	
For Oxidized Finish, Add	71.68	
For Polished Finish, Add	143.36	
10 14 19 00-0159 EA 18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	714.52	11.68
For Installation With Adhesive, Deduct	-40.40	
For Oxidized Finish, Add	100.17	
For Polished Finish, Add	200.33	
10 14 19 00-0160 EA 20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	805.99	13.14
For Installation With Adhesive, Deduct	-45.56	
For Oxidized Finish, Add	113.01	
For Polished Finish, Add	226.02	
10 14 19 00-0161 EA 22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,011.92	13.88
For Installation With Adhesive, Deduct	-56.15	
For Oxidized Finish, Add	143.46	
For Polished Finish, Add	286.93	
10 14 19 00-0162 EA 24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,187.45	14.60
For Installation With Adhesive, Deduct	-65.21	
For Oxidized Finish, Add	169.35	
For Polished Finish, Add	338.71	
10 14 19 00-0163 EA 30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,800.57	17.53
For Installation With Adhesive, Deduct	-97.04	
For Oxidized Finish, Add	259.57	
For Polished Finish, Add	519.14	
10 14 19 00-0164 3/4" Deep, Satin Finish, Brass Characters (10 14 19 00-0121)		
10 14 19 00-0165 EA 2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	86.37	3.65
For Installation With Adhesive, Deduct	-5.78	
For Oxidized Finish, Add	10.77	
For Polished Finish, Add	21.53	
10 14 19 00-0166 EA 4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	122.80	4.24
For Installation With Adhesive, Deduct	-7.83	
For Oxidized Finish, Add	15.88	
For Polished Finish, Add	31.76	
10 14 19 00-0167 EA 6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	169.12	5.11
For Installation With Adhesive, Deduct	-10.50	
For Oxidized Finish, Add	22.30	
For Polished Finish, Add	44.60	
10 14 19 00-0168 EA 8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	231.00	5.84
For Installation With Adhesive, Deduct	-13.89	
For Oxidized Finish, Add	31.14	
For Polished Finish, Add	62.29	
10 14 19 00-0169 EA 10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	316.86	6.58
For Installation With Adhesive, Deduct	-18.47	
For Oxidized Finish, Add	43.59	
For Polished Finish, Add	87.17	
10 14 19 00-0170 EA 12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	438.05	7.59
For Installation With Adhesive, Deduct	-24.94	
For Oxidized Finish, Add	61.15	
For Polished Finish, Add	122.30	
10 14 19 00-0171 EA 14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	548.23	8.77
For Installation With Adhesive, Deduct	-30.92	
For Oxidized Finish, Add	76.98	
For Polished Finish, Add	153.95	
10 14 19 00-0172 EA 16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	638.83	10.52
For Installation With Adhesive, Deduct	-36.15	
For Oxidized Finish, Add	89.52	
For Polished Finish, Add	179.03	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0173 EA 18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	856.60	11.68
For Installation With Adhesive, Deduct	-47.50	
For Oxidized Finish, Add	121.48	
For Polished Finish, Add	242.96	
10 14 19 00-0174 EA 20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	936.12	13.14
For Installation With Adhesive, Deduct	-52.06	
For Oxidized Finish, Add	132.53	
For Polished Finish, Add	265.06	
10 14 19 00-0175 EA 22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,194.51	13.88
For Installation With Adhesive, Deduct	-65.28	
For Oxidized Finish, Add	170.85	
For Polished Finish, Add	341.70	
10 14 19 00-0176 EA 24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,523.76	14.60
For Installation With Adhesive, Deduct	-82.03	
For Oxidized Finish, Add	219.80	
For Polished Finish, Add	439.60	
10 14 19 00-0177 EA 30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	2,309.97	17.53
For Installation With Adhesive, Deduct	-122.51	
For Oxidized Finish, Add	335.98	
For Polished Finish, Add	671.96	
10 14 19 00-0178 Satin Finish, Bronze Characters (10 14 19 00-0049)		
10 14 19 00-0179 1/4" Deep, Satin Finish, Bronze Characters (10 14 19 00-0178)		
10 14 19 00-0180 EA 2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	45.47	3.65
For Installation With Adhesive, Deduct	-3.73	
For Oxidized Finish, Add	4.63	
For Polished Or Patina Finish, Add	9.26	
10 14 19 00-0181 EA 4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	59.94	4.24
For Installation With Adhesive, Deduct	-4.69	
For Oxidized Finish, Add	6.45	
For Polished Or Patina Finish, Add	12.90	
10 14 19 00-0182 EA 6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	84.39	5.11
For Installation With Adhesive, Deduct	-6.26	
For Oxidized Finish, Add	9.59	
For Polished Or Patina Finish, Add	19.18	
10 14 19 00-0183 EA 8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	112.67	5.84
For Installation With Adhesive, Deduct	-7.97	
For Oxidized Finish, Add	13.40	
For Polished Or Patina Finish, Add	26.79	
10 14 19 00-0184 EA 10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	146.45	6.58
For Installation With Adhesive, Deduct	-9.95	
For Oxidized Finish, Add	18.03	
For Polished Or Patina Finish, Add	36.05	
10 14 19 00-0185 EA 12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	186.94	7.59
For Installation With Adhesive, Deduct	-12.39	
For Oxidized Finish, Add	23.48	
For Polished Or Patina Finish, Add	46.97	
10 14 19 00-0186 EA 14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	235.71	8.77
For Installation With Adhesive, Deduct	-15.29	
For Oxidized Finish, Add	30.10	
For Polished Or Patina Finish, Add	60.20	
10 14 19 00-0187 EA 16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	293.43	10.52
For Installation With Adhesive, Deduct	-18.88	
For Oxidized Finish, Add	37.71	
For Polished Or Patina Finish, Add	75.41	
10 14 19 00-0188 EA 18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	353.24	11.68
For Installation With Adhesive, Deduct	-22.34	
For Oxidized Finish, Add	45.98	
For Polished Or Patina Finish, Add	91.95	
10 14 19 00-0189 EA 20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	420.82	13.14
For Installation With Adhesive, Deduct	-26.30	
For Oxidized Finish, Add	55.24	
For Polished Or Patina Finish, Add	110.47	
10 14 19 00-0190 EA 22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	494.30	13.88
For Installation With Adhesive, Deduct	-30.27	
For Oxidized Finish, Add	65.82	
For Polished Or Patina Finish, Add	131.64	
10 14 19 00-0191 EA 24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	575.49	14.60
For Installation With Adhesive, Deduct	-34.62	
For Oxidized Finish, Add	77.56	
For Polished Or Patina Finish, Add	155.12	
10 14 19 00-0192 EA 30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	883.74	17.53
For Installation With Adhesive, Deduct	-51.20	
For Oxidized Finish, Add	122.05	
For Polished Or Patina Finish, Add	244.09	
10 14 19 00-0193 3/8" Deep, Satin Finish, Bronze Characters (10 14 19 00-0178)		
10 14 19 00-0194 EA 2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	55.35	3.65
For Installation With Adhesive, Deduct	-4.23	
For Oxidized Finish, Add	6.11	
For Polished Or Patina Finish, Add	12.23	

10	Specialties
10 10	Information Specialties
10 14	Signage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0195 EA 4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	73.27	4.24
For Installation With Adhesive, Deduct	-5.36	
For Oxidized Finish, Add	8.45	
For Polished Or Patina Finish, Add	16.90	
10 14 19 00-0196 EA 6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	108.69	5.11
For Installation With Adhesive, Deduct	-7.48	
For Oxidized Finish, Add	13.24	
For Polished Or Patina Finish, Add	26.47	
10 14 19 00-0197 EA 8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	145.71	5.84
For Installation With Adhesive, Deduct	-9.62	
For Oxidized Finish, Add	18.35	
For Polished Or Patina Finish, Add	36.70	
10 14 19 00-0198 EA 10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	200.53	6.58
For Installation With Adhesive, Deduct	-12.65	
For Oxidized Finish, Add	26.14	
For Polished Or Patina Finish, Add	52.28	
10 14 19 00-0199 EA 12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	255.82	7.59
For Installation With Adhesive, Deduct	-15.83	
For Oxidized Finish, Add	33.82	
For Polished Or Patina Finish, Add	67.63	
10 14 19 00-0200 EA 14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	321.99	8.77
For Installation With Adhesive, Deduct	-19.60	
For Oxidized Finish, Add	43.04	
For Polished Or Patina Finish, Add	86.08	
10 14 19 00-0201 EA 16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	399.01	10.52
For Installation With Adhesive, Deduct	-24.16	
For Oxidized Finish, Add	53.54	
For Polished Or Patina Finish, Add	107.09	
10 14 19 00-0202 EA 18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	485.03	11.68
For Installation With Adhesive, Deduct	-28.93	
For Oxidized Finish, Add	65.74	
For Polished Or Patina Finish, Add	131.49	
10 14 19 00-0203 EA 20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	579.16	13.14
For Installation With Adhesive, Deduct	-34.22	
For Oxidized Finish, Add	78.99	
For Polished Or Patina Finish, Add	157.97	
10 14 19 00-0204 EA 22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	682.98	13.88
For Installation With Adhesive, Deduct	-39.70	
For Oxidized Finish, Add	94.12	
For Polished Or Patina Finish, Add	188.24	
10 14 19 00-0205 EA 24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	777.15	14.60
For Installation With Adhesive, Deduct	-44.70	
For Oxidized Finish, Add	107.81	
For Polished Or Patina Finish, Add	215.62	
10 14 19 00-0206 EA 30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,070.88	17.53
For Installation With Adhesive, Deduct	-60.55	
For Oxidized Finish, Add	150.12	
For Polished Or Patina Finish, Add	300.23	
10 14 19 00-0207 1/2" Deep, Satin Finish, Bronze Characters (10 14 19 00-0178)		
EA 2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	57.51	3.65
For Installation With Adhesive, Deduct	-4.34	
For Oxidized Finish, Add	6.44	
For Polished Or Patina Finish, Add	12.87	
10 14 19 00-0209 EA 4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	88.75	4.24
For Installation With Adhesive, Deduct	-6.13	
For Oxidized Finish, Add	10.77	
For Polished Or Patina Finish, Add	21.54	
10 14 19 00-0210 EA 6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	128.52	5.11
For Installation With Adhesive, Deduct	-8.47	
For Oxidized Finish, Add	16.21	
For Polished Or Patina Finish, Add	32.42	
10 14 19 00-0211 EA 8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	179.65	5.84
For Installation With Adhesive, Deduct	-11.32	
For Oxidized Finish, Add	23.44	
For Polished Or Patina Finish, Add	46.88	
10 14 19 00-0212 EA 10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	248.60	6.58
For Installation With Adhesive, Deduct	-15.06	
For Oxidized Finish, Add	33.35	
For Polished Or Patina Finish, Add	66.70	
10 14 19 00-0213 EA 12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	341.92	7.59
For Installation With Adhesive, Deduct	-20.13	
For Oxidized Finish, Add	46.73	
For Polished Or Patina Finish, Add	93.46	
10 14 19 00-0214 EA 14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	446.39	8.77
For Installation With Adhesive, Deduct	-25.82	
For Oxidized Finish, Add	61.70	
For Polished Or Patina Finish, Add	123.40	
10 14 19 00-0215 EA 16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	559.88	10.52
For Installation With Adhesive, Deduct	-32.20	
For Oxidized Finish, Add	77.67	
For Polished Or Patina Finish, Add	155.35	



Specialties	10
Information Specialties	10 10
Signage	10 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0216 EA 18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	690.38	11.68
For Installation With Adhesive, Deduct	-39.19	
For Oxidized Finish, Add	96.55	
For Polished Or Patina Finish, Add	193.09	
10 14 19 00-0217 EA 20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	829.56	13.14
For Installation With Adhesive, Deduct	-46.74	
For Oxidized Finish, Add	116.55	
For Polished Or Patina Finish, Add	233.09	
10 14 19 00-0218 EA 22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	985.75	13.88
For Installation With Adhesive, Deduct	-54.84	
For Oxidized Finish, Add	139.54	
For Polished Or Patina Finish, Add	279.08	
10 14 19 00-0219 EA 24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,149.44	14.60
For Installation With Adhesive, Deduct	-63.31	
For Oxidized Finish, Add	163.65	
For Polished Or Patina Finish, Add	327.31	
10 14 19 00-0220 EA 30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,616.03	17.53
For Installation With Adhesive, Deduct	-87.81	
For Oxidized Finish, Add	231.89	
For Polished Or Patina Finish, Add	463.78	
10 14 19 00-0221 Satin Finish, Copper Characters (10 14 19 00-0049)		
10 14 19 00-0222 1/4" Deep, Satin Finish, Copper Characters (10 14 19 00-0221)		
10 14 19 00-0223 EA 2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	43.31	3.65
For Installation With Adhesive, Deduct	-3.63	
For Polished Finish, Add	8.61	
10 14 19 00-0224 EA 4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	57.95	4.24
For Installation With Adhesive, Deduct	-4.59	
For Polished Finish, Add	12.30	
10 14 19 00-0225 EA 6" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	84.02	5.11
For Installation With Adhesive, Deduct	-6.25	
For Polished Finish, Add	19.07	
10 14 19 00-0226 EA 8" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	113.60	5.84
For Installation With Adhesive, Deduct	-8.02	
For Polished Finish, Add	27.07	
10 14 19 00-0227 EA 10" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	146.24	6.58
For Installation With Adhesive, Deduct	-9.94	
For Polished Finish, Add	35.99	
10 14 19 00-0228 EA 12" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	188.28	7.59
For Installation With Adhesive, Deduct	-12.45	
For Polished Finish, Add	47.37	
10 14 19 00-0229 EA 14" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	238.06	8.77
For Installation With Adhesive, Deduct	-15.41	
For Polished Finish, Add	60.90	
10 14 19 00-0230 EA 16" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	294.29	10.52
For Installation With Adhesive, Deduct	-18.92	
For Polished Finish, Add	75.67	
10 14 19 00-0231 EA 18" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	355.36	11.68
For Installation With Adhesive, Deduct	-22.44	
For Polished Finish, Add	92.59	
10 14 19 00-0232 EA 20" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	422.72	13.14
For Installation With Adhesive, Deduct	-26.39	
For Polished Finish, Add	111.04	
10 14 19 00-0233 EA 22" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	497.42	13.88
For Installation With Adhesive, Deduct	-30.42	
For Polished Finish, Add	132.58	
10 14 19 00-0234 EA 24" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	578.26	14.60
For Installation With Adhesive, Deduct	-34.76	
For Polished Finish, Add	155.95	
10 14 19 00-0235 EA 30" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	839.58	17.53
For Installation With Adhesive, Deduct	-48.99	
For Polished Finish, Add	230.84	
10 14 19 00-0236 3/8" Deep, Satin Finish, Copper Characters (10 14 19 00-0221)		
10 14 19 00-0237 EA 2" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	50.49	3.65
For Installation With Adhesive, Deduct	-3.98	
For Polished Finish, Add	10.77	
10 14 19 00-0238 EA 4" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	70.26	4.24
For Installation With Adhesive, Deduct	-5.21	
For Polished Finish, Add	16.00	
10 14 19 00-0239 EA 6" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	106.27	5.11
For Installation With Adhesive, Deduct	-7.36	
For Polished Finish, Add	25.75	
10 14 19 00-0240 EA 8" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	149.69	5.84
For Installation With Adhesive, Deduct	-9.82	
For Polished Finish, Add	37.90	
10 14 19 00-0241 EA 10" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	206.22	6.58
For Installation With Adhesive, Deduct	-12.94	
For Polished Finish, Add	53.98	
10 14 19 00-0242 EA 12" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	259.34	7.59
For Installation With Adhesive, Deduct	-16.01	
For Polished Finish, Add	68.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0243 EA 14" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	329.42	8.77
For Installation With Adhesive, Deduct	-19.98	
For Polished Finish, Add	88.31	
10 14 19 00-0244 EA 16" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	407.79	10.52
For Installation With Adhesive, Deduct	-24.60	
For Polished Finish, Add	109.72	
10 14 19 00-0245 EA 18" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	494.24	11.68
For Installation With Adhesive, Deduct	-29.39	
For Polished Finish, Add	134.25	
10 14 19 00-0246 EA 20" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	589.29	13.14
For Installation With Adhesive, Deduct	-34.72	
For Polished Finish, Add	161.01	
10 14 19 00-0247 EA 22" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	696.29	13.88
For Installation With Adhesive, Deduct	-40.36	
For Polished Finish, Add	192.24	
10 14 19 00-0248 EA 24" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	786.20	14.60
For Installation With Adhesive, Deduct	-45.15	
For Polished Finish, Add	218.33	
10 14 19 00-0249 EA 30" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	1,108.90	17.53
For Installation With Adhesive, Deduct	-62.46	
For Polished Finish, Add	311.64	
10 14 19 00-0250 Satin Finish, Stainless Steel Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0251 1/4" Deep, Satin Finish, Stainless Steel Characters <small>(10 14 19 00-0250)</small>		
10 14 19 00-0252 EA 2" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	40.70	3.65
For Installation With Adhesive, Deduct	-3.50	
For Polished Finish, Add	7.83	
10 14 19 00-0253 EA 4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	54.79	4.24
For Installation With Adhesive, Deduct	-4.43	
For Polished Finish, Add	11.36	
10 14 19 00-0254 EA 6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	71.35	5.11
For Installation With Adhesive, Deduct	-5.61	
For Polished Finish, Add	15.27	
10 14 19 00-0255 EA 8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	93.85	5.84
For Installation With Adhesive, Deduct	-7.03	
For Polished Finish, Add	21.14	
10 14 19 00-0256 EA 10" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	116.33	6.58
For Installation With Adhesive, Deduct	-8.44	
For Polished Finish, Add	27.02	
10 14 19 00-0257 EA 12" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	143.93	7.59
For Installation With Adhesive, Deduct	-10.23	
For Polished Finish, Add	34.07	
10 14 19 00-0258 EA 14" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	173.39	8.77
For Installation With Adhesive, Deduct	-12.17	
For Polished Finish, Add	41.50	
10 14 19 00-0259 EA 16" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	207.81	10.52
For Installation With Adhesive, Deduct	-14.60	
For Polished Finish, Add	49.73	
10 14 19 00-0260 EA 18" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	243.81	11.68
For Installation With Adhesive, Deduct	-16.86	
For Polished Finish, Add	59.12	
10 14 19 00-0261 EA 20" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	286.20	13.14
For Installation With Adhesive, Deduct	-19.57	
For Polished Finish, Add	70.09	
10 14 19 00-0262 EA 22" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	336.10	13.88
For Installation With Adhesive, Deduct	-22.36	
For Polished Finish, Add	84.18	
10 14 19 00-0263 EA 24" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	387.31	14.60
For Installation With Adhesive, Deduct	-25.21	
For Polished Finish, Add	98.67	
10 14 19 00-0264 EA 30" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	537.33	17.53
For Installation With Adhesive, Deduct	-33.88	
For Polished Finish, Add	140.17	
10 14 19 00-0265 3/8" Deep, Satin Finish, Stainless Steel Characters <small>(10 14 19 00-0250)</small>		
10 14 19 00-0266 EA 2" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	49.84	3.65
For Installation With Adhesive, Deduct	-3.95	
For Polished Finish, Add	10.57	
10 14 19 00-0267 EA 4" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	68.04	4.24
For Installation With Adhesive, Deduct	-5.10	
For Polished Finish, Add	15.33	
10 14 19 00-0268 EA 6" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	88.15	5.11
For Installation With Adhesive, Deduct	-6.45	
For Polished Finish, Add	20.31	
10 14 19 00-0269 EA 8" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	114.29	5.84
For Installation With Adhesive, Deduct	-8.05	
For Polished Finish, Add	27.28	
10 14 19 00-0270 EA 10" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	142.45	6.58
For Installation With Adhesive, Deduct	-9.75	
For Polished Finish, Add	34.85	



Specialties	10
Information Specialties	10 10
Signage	10 14

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0271 EA 12" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	176.85	7.59
For Installation With Adhesive, Deduct	-11.88	
For Polished Finish, Add	43.94	
10 14 19 00-0272 EA 14" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	213.51	8.77
For Installation With Adhesive, Deduct	-14.18	
For Polished Finish, Add	53.54	
10 14 19 00-0273 EA 16" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	255.88	10.52
For Installation With Adhesive, Deduct	-17.00	
For Polished Finish, Add	64.15	
10 14 19 00-0274 EA 18" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	298.99	11.68
For Installation With Adhesive, Deduct	-19.62	
For Polished Finish, Add	75.68	
10 14 19 00-0275 EA 20" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	351.61	13.14
For Installation With Adhesive, Deduct	-22.84	
For Polished Finish, Add	89.71	
10 14 19 00-0276 EA 22" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	397.83	13.88
For Installation With Adhesive, Deduct	-25.44	
For Polished Finish, Add	102.70	
10 14 19 00-0277 EA 24" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	459.67	14.60
For Installation With Adhesive, Deduct	-28.83	
For Polished Finish, Add	120.38	
10 14 19 00-0278 EA 30" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	640.13	17.53
For Installation With Adhesive, Deduct	-39.02	
For Polished Finish, Add	171.01	
10 14 19 00-0279 1/2" Deep, Satin Finish, Stainless Steel Characters (10 14 19 00-0250)		
10 14 19 00-0280 EA 2" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	61.58	3.65
For Installation With Adhesive, Deduct	-4.54	
For Polished Finish, Add	14.09	
10 14 19 00-0281 EA 4" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	85.07	4.24
For Installation With Adhesive, Deduct	-5.95	
For Polished Finish, Add	20.44	
10 14 19 00-0282 EA 6" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	110.54	5.11
For Installation With Adhesive, Deduct	-7.57	
For Polished Finish, Add	27.03	
10 14 19 00-0283 EA 8" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	147.41	5.84
For Installation With Adhesive, Deduct	-9.71	
For Polished Finish, Add	37.21	
10 14 19 00-0284 EA 10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	184.77	6.58
For Installation With Adhesive, Deduct	-11.87	
For Polished Finish, Add	47.55	
10 14 19 00-0285 EA 12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	230.22	7.59
For Installation With Adhesive, Deduct	-14.55	
For Polished Finish, Add	59.95	
10 14 19 00-0286 EA 14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	278.53	8.77
For Installation With Adhesive, Deduct	-17.43	
For Polished Finish, Add	73.04	
10 14 19 00-0287 EA 16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	333.78	10.52
For Installation With Adhesive, Deduct	-20.90	
For Polished Finish, Add	87.52	
10 14 19 00-0288 EA 18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	399.50	11.68
For Installation With Adhesive, Deduct	-24.65	
For Polished Finish, Add	105.83	
10 14 19 00-0289 EA 20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	470.76	13.14
For Installation With Adhesive, Deduct	-28.80	
For Polished Finish, Add	125.45	
10 14 19 00-0290 EA 22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	529.72	13.88
For Installation With Adhesive, Deduct	-32.04	
For Polished Finish, Add	142.27	
10 14 19 00-0291 EA 24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	614.25	14.60
For Installation With Adhesive, Deduct	-36.55	
For Polished Finish, Add	166.75	
10 14 19 00-0292 EA 30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	859.73	17.53
For Installation With Adhesive, Deduct	-50.00	
For Polished Finish, Add	236.89	

10 14 23 Panel Signage (10 14)

10 14 23 00-0001	Indoor/Outdoor Signs (10 14 23) Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.		
10 14 23 00-0002	Surface Mount, Indoor/Outdoor Signs (10 14 23 00-0001)		
10 14 23 00-0003	Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs (10 14 23 00-0002) Note: Multi-color with words, symbols and graphics.		
10 14 23 00-0004	EA Up To 25 Sl, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	16.77	6.55
	For >25 To 50, Deduct	-0.37	
	For >50 To 100, Deduct	-0.92	
	For >100, Deduct	-1.10	
	For Clear Glass Mount, Add	2.94	
	For Glow-In-Dark, Add	7.36	
	For Reflective Finish, Add	8.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0005 EA >25 To 50 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	19.39	6.55
For >25 To 50, Deduct	-0.63	
For >50 To 100, Deduct	-1.58	
For >100, Deduct	-1.89	
For Clear Glass Mount, Add	5.04	
For Glow-In-Dark, Add	12.60	
For Reflective Finish, Add	14.18	
10 14 23 00-0006 EA >50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	23.59	6.55
For >25 To 50, Deduct	-1.05	
For >50 To 100, Deduct	-2.63	
For >100, Deduct	-3.15	
For Clear Glass Mount, Add	8.40	
For Glow-In-Dark, Add	21.00	
For Reflective Finish, Add	23.63	
10 14 23 00-0007 EA >100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	28.84	6.55
For >25 To 50, Deduct	-1.58	
For >50 To 100, Deduct	-3.94	
For >100, Deduct	-4.73	
For Clear Glass Mount, Add	12.60	
For Glow-In-Dark, Add	31.50	
For Reflective Finish, Add	35.44	
10 14 23 00-0008 EA >250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	38.29	6.55
For >25 To 50, Deduct	-2.52	
For >50 To 100, Deduct	-6.30	
For >100, Deduct	-7.56	
For Clear Glass Mount, Add	20.16	
For Glow-In-Dark, Add	50.40	
For Reflective Finish, Add	56.70	
10 14 23 00-0009 EA >500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	55.09	6.55
For >25 To 50, Deduct	-4.20	
For >50 To 100, Deduct	-10.50	
For >100, Deduct	-12.60	
For Clear Glass Mount, Add	33.60	
For Glow-In-Dark, Add	84.00	
For Reflective Finish, Add	94.50	
10 14 23 00-0010 EA >750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	76.09	6.55
For >25 To 50, Deduct	-6.30	
For >50 To 100, Deduct	-15.75	
For >100, Deduct	-18.90	
For Clear Glass Mount, Add	50.40	
For Glow-In-Dark, Add	126.00	
For Reflective Finish, Add	141.75	
10 14 23 00-0011 SI >1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	0.08	0.01
For Clear Glass Mount, Add	0.06	
For Glow-In-Dark, Add	0.14	
For Reflective Finish, Add	0.16	
10 14 23 00-0012 Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs		
<small>(10 14 23 00-0002)</small>		
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 00-0013 EA Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	17.81	6.55
For >25 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.18	
For >100, Deduct	-1.42	
For Glow-In-Dark, Add	9.44	
For Reflective Finish, Add	10.15	
10 14 23 00-0014 EA >25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	20.44	6.55
For >25 To 50, Deduct	-0.74	
For >50 To 100, Deduct	-1.84	
For >100, Deduct	-2.21	
For Glow-In-Dark, Add	14.70	
For Reflective Finish, Add	15.80	
10 14 23 00-0015 EA >50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	25.69	6.55
For >25 To 50, Deduct	-1.26	
For >50 To 100, Deduct	-3.15	
For >100, Deduct	-3.78	
For Glow-In-Dark, Add	25.20	
For Reflective Finish, Add	27.09	
10 14 23 00-0016 EA >100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	30.94	6.55
For >25 To 50, Deduct	-1.79	
For >50 To 100, Deduct	-4.46	
For >100, Deduct	-5.36	
For Glow-In-Dark, Add	35.70	
For Reflective Finish, Add	38.38	
10 14 23 00-0017 EA >250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	38.81	6.55
For >25 To 50, Deduct	-2.57	
For >50 To 100, Deduct	-6.43	
For >100, Deduct	-7.72	
For Glow-In-Dark, Add	51.44	
For Reflective Finish, Add	55.30	
10 14 23 00-0018 EA >500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	46.69	6.55
For >25 To 50, Deduct	-3.36	
For >50 To 100, Deduct	-8.40	
For >100, Deduct	-10.08	
For Glow-In-Dark, Add	67.20	
For Reflective Finish, Add	72.24	



Specialties	10
Information Specialties	10 10
Signage	10 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0019 EA >750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	55.09	6.55
For >25 To 50, Deduct	-4.20	
For >50 To 100, Deduct	-10.50	
For >100, Deduct	-12.60	
For Glow-In-Dark, Add	84.00	
For Reflective Finish, Add	90.30	
10 14 23 00-0020 SI >1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	0.06	0.01
For Glow-In-Dark, Add	0.10	
For Reflective Finish, Add	0.11	
10 14 23 00-0021 Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille <small>(10 14 23 00-0002)</small>		
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 00-0022 EA Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	25.69	6.55
For >25 To 50, Deduct	-1.26	
For >50 To 100, Deduct	-3.15	
For >100, Deduct	-3.78	
For Molded Plastic Frame, Add	15.00	
For Brushed Metal Finish/Faux Metal Finish, Add	23.00	
For 2" Height Slider Channel For Custom Inserts, Add	35.00	
10 14 23 00-0023 EA >25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	28.84	6.55
For >25 To 50, Deduct	-1.58	
For >50 To 100, Deduct	-3.94	
For >100, Deduct	-4.73	
For Molded Plastic Frame, Add	17.00	
For Brushed Metal Finish/Faux Metal Finish, Add	28.00	
For 2" Height Slider Channel For Custom Inserts, Add	35.00	
10 14 23 00-0024 EA >50 To 75 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	34.09	6.55
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-5.25	
For >100, Deduct	-6.30	
For Molded Plastic Frame, Add	19.00	
For Brushed Metal Finish/Faux Metal Finish, Add	31.00	
10 14 23 00-0025 EA >75 To 100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	39.03	6.55
For >25 To 50, Deduct	-2.59	
For >50 To 100, Deduct	-6.49	
For >100, Deduct	-7.78	
For Molded Plastic Frame, Add	21.00	
For Brushed Metal Finish/Faux Metal Finish, Add	35.00	
10 14 23 00-0026 SI >100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	0.42	0.07
For Molded Plastic Frame, Add	0.20	
For Brushed Metal Finish/Faux Metal Finish, Add	0.31	
10 14 23 00-0027 Engraved Steel, Surface Mount, Indoor/Outdoor Signs <small>(10 14 23 00-0002)</small>		
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 00-0028 EA Up To 25 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	33.04	6.55
For >25 To 50, Deduct	-2.00	
For >50 To 100, Deduct	-4.99	
For >100, Deduct	-5.99	
For Molded Plastic Frame, Add	15.00	
10 14 23 00-0029 EA >25 To 50 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	39.34	6.55
For >25 To 50, Deduct	-2.63	
For >50 To 100, Deduct	-6.56	
For >100, Deduct	-7.88	
For Molded Plastic Frame, Add	17.00	
10 14 23 00-0030 EA >50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	47.74	6.55
For >25 To 50, Deduct	-3.47	
For >50 To 100, Deduct	-8.66	
For >100, Deduct	-10.40	
For Molded Plastic Frame, Add	19.00	
10 14 23 00-0031 EA >75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	64.54	6.55
For >25 To 50, Deduct	-5.15	
For >50 To 100, Deduct	-12.86	
For >100, Deduct	-15.44	
For Molded Plastic Frame, Add	21.00	
10 14 23 00-0032 SI >100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	0.64	0.07
For Molded Plastic Frame, Add	0.20	
10 14 23 00-0033 Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs <small>(10 14 23 00-0002)</small>		
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 00-0034 EA Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	17.29	6.55
For >25 To 50, Deduct	-0.42	
For >50 To 100, Deduct	-1.05	
For >100, Deduct	-1.26	
For Glow-In-Dark, Add	2.52	
For Reflective Finish, Add	3.15	
10 14 23 00-0035 EA >25 To 50 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	20.44	6.55
For >25 To 50, Deduct	-0.74	
For >50 To 100, Deduct	-1.84	
For >100, Deduct	-2.21	
For Glow-In-Dark, Add	4.41	
For Reflective Finish, Add	5.51	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0036	EA	>50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	26.74	6.55
		<i>For >25 To 50, Deduct</i>	-1.37	
		<i>For >50 To 100, Deduct</i>	-3.41	
		<i>For >100, Deduct</i>	-4.10	
		<i>For Glow-In-Dark, Add</i>	8.19	
		<i>For Reflective Finish, Add</i>	10.24	
10 14 23 00-0037	EA	>100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	34.09	6.55
		<i>For >25 To 50, Deduct</i>	-2.10	
		<i>For >50 To 100, Deduct</i>	-5.25	
		<i>For >100, Deduct</i>	-6.30	
		<i>For Glow-In-Dark, Add</i>	12.60	
		<i>For Reflective Finish, Add</i>	15.75	
10 14 23 00-0038	EA	>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	56.14	6.55
		<i>For >25 To 50, Deduct</i>	-4.31	
		<i>For >50 To 100, Deduct</i>	-10.76	
		<i>For >100, Deduct</i>	-12.92	
		<i>For Glow-In-Dark, Add</i>	25.83	
		<i>For Reflective Finish, Add</i>	32.29	
10 14 23 00-0039	EA	>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	65.59	6.55
		<i>For >25 To 50, Deduct</i>	-5.25	
		<i>For >50 To 100, Deduct</i>	-13.13	
		<i>For >100, Deduct</i>	-15.75	
		<i>For Glow-In-Dark, Add</i>	31.50	
		<i>For Reflective Finish, Add</i>	39.38	
10 14 23 00-0040	EA	>750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	78.19	6.55
		<i>For >25 To 50, Deduct</i>	-6.51	
		<i>For >50 To 100, Deduct</i>	-16.28	
		<i>For >100, Deduct</i>	-19.53	
		<i>For Glow-In-Dark, Add</i>	39.06	
		<i>For Reflective Finish, Add</i>	48.83	
10 14 23 00-0041	SI	>1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign.....	0.08	0.01
		<i>For Glow-In-Dark, Add</i>	0.04	
		<i>For Reflective Finish, Add</i>	0.05	
10 14 23 00-0042		California Title 24, Surface Mount, Signs (10 14 23 00-0002)		
10 14 23 00-0043		California Title 24, Surface Mount, Geometric Restroom Signs (10 14 23 00-0042) Note: Includes 1/4" thick acrylic or PVC construction, color that contrasts with the door color, and with or without the international symbol of accessibility and staff only designation.		
10 14 23 00-0044	EA	1/4" Thick, Equilateral Triangle With 12" Long Edges, California Title 24, Surface Mount, Geometric Male Restroom Sign.....	51.68	6.55
		<i>For >25 To 50, Deduct</i>	-3.86	
		<i>For >50 To 100, Deduct</i>	-5.79	
		<i>For >100, Deduct</i>	-6.56	
10 14 23 00-0045	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Female Restroom Sign	51.68	6.55
		<i>For >25 To 50, Deduct</i>	-3.86	
		<i>For >50 To 100, Deduct</i>	-5.79	
		<i>For >100, Deduct</i>	-6.56	
10 14 23 00-0046	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Unisex Restroom Sign	67.11	6.55
		Note: Includes contrasting color equilateral triangle with 12" long edges superimposed on the circle.		
		<i>For >25 To 50, Deduct</i>	-5.40	
		<i>For >50 To 100, Deduct</i>	-8.10	
		<i>For >100, Deduct</i>	-9.18	
10 14 23 00-0047		California Title 24, Surface Mount, Stairwell Signs (10 14 23 00-0042) Note: Includes 1/16" matte finish colored polymer face plate with 1/16" acrylic backer. Includes information on stairway location, roof access availability, floor level number, basement or mezzanine level identification and exit level and direction.		
10 14 23 00-0048	EA	1/8" Thick, 12" x 18", California Title 24, Surface Mount, Stairwell Sign	100.19	6.55
		<i>For >25 To 50, Deduct</i>	-8.71	
		<i>For >50 To 100, Deduct</i>	-13.07	
		<i>For >100, Deduct</i>	-14.81	
10 14 23 00-0049		Ceiling Mount, Indoor/Outdoor Signs (10 14 23 00-0001)		
10 14 23 00-0050		Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs (10 14 23 00-0049)		
10 14 23 00-0051	EA	Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	24.11	9.17
		<i>For >25 To 50, Deduct</i>	-0.58	
		<i>For >50 To 100, Deduct</i>	-1.45	
		<i>For >100, Deduct</i>	-1.73	
		<i>For Glow-In-Dark, Add</i>	3.47	
		<i>For Reflective Finish, Add</i>	4.34	
10 14 23 00-0052	EA	>25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	28.83	9.17
		<i>For >25 To 50, Deduct</i>	-1.05	
		<i>For >50 To 100, Deduct</i>	-2.63	
		<i>For >100, Deduct</i>	-3.15	
		<i>For Glow-In-Dark, Add</i>	6.30	
		<i>For Reflective Finish, Add</i>	7.88	



Specialties	10
Information Specialties	10 10
Signage	10 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0053 EA >50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	35.13	9.17
For >25 To 50, Deduct	-1.68	
For >50 To 100, Deduct	-4.20	
For >100, Deduct	-5.04	
For Glow-In-Dark, Add	10.08	
For Reflective Finish, Add	12.60	
10 14 23 00-0054 EA >100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	44.58	9.17
For >25 To 50, Deduct	-2.63	
For >50 To 100, Deduct	-6.56	
For >100, Deduct	-7.88	
For Glow-In-Dark, Add	15.75	
For Reflective Finish, Add	19.69	
10 14 23 00-0055 90 Degree, Projection Mount, Indoor/Outdoor Signs (10 14 23 00-0001)		
10 14 23 00-0056 Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs (10 14 23 00-0055)		
10 14 23 00-0057 EA Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	24.63	9.17
For >25 To 50, Deduct	-0.63	
For >50 To 100, Deduct	-1.58	
For >100, Deduct	-1.89	
For Glow-In-Dark, Add	3.78	
For Reflective Finish, Add	4.73	
10 14 23 00-0058 EA >25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	29.88	9.17
For >25 To 50, Deduct	-1.16	
For >50 To 100, Deduct	-2.89	
For >100, Deduct	-3.47	
For Glow-In-Dark, Add	6.93	
For Reflective Finish, Add	8.66	
10 14 23 00-0059 EA >50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	41.43	9.17
For >25 To 50, Deduct	-2.31	
For >50 To 100, Deduct	-5.78	
For >100, Deduct	-6.93	
For Glow-In-Dark, Add	13.86	
For Reflective Finish, Add	17.33	
10 14 23 00-0060 EA >100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	45.63	9.17
For >25 To 50, Deduct	-2.73	
For >50 To 100, Deduct	-6.83	
For >100, Deduct	-8.19	
For Glow-In-Dark, Add	16.38	
For Reflective Finish, Add	20.48	
10 14 23 00-0061 Triangle, Projection Mount, Indoor/Outdoor Signs (10 14 23 00-0001)		
10 14 23 00-0062 Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs (10 14 23 00-0061)		
10 14 23 00-0063 EA Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	26.21	9.17
For >25 To 50, Deduct	-0.79	
For >50 To 100, Deduct	-1.97	
For >100, Deduct	-2.36	
For Glow-In-Dark, Add	4.73	
For Reflective Finish, Add	5.91	
10 14 23 00-0064 EA >25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	34.08	9.17
For >25 To 50, Deduct	-1.58	
For >50 To 100, Deduct	-3.94	
For >100, Deduct	-4.73	
For Glow-In-Dark, Add	9.45	
For Reflective Finish, Add	11.81	
10 14 23 00-0065 EA >50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	37.23	9.17
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-4.73	
For >100, Deduct	-5.67	
For Glow-In-Dark, Add	11.34	
For Reflective Finish, Add	14.18	
10 14 23 00-0066 EA >100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	41.43	9.17
For >25 To 50, Deduct	-2.31	
For >50 To 100, Deduct	-5.78	
For >100, Deduct	-6.93	
For Glow-In-Dark, Add	13.86	
For Reflective Finish, Add	17.33	
10 14 23 00-0067 Adhesive Backed Vinyl Characters (10 14 23)		
Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.		
10 14 23 00-0068 EA 1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	1.84	0.52
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.32	
10 14 23 00-0069 EA 3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	1.91	0.60
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.34	
10 14 23 00-0070 EA 1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	1.98	0.68
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.36	
10 14 23 00-0071 EA 1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	2.64	0.78
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0072 EA 2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character <i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	2.74 0.48	0.91
10 14 23 00-0073 EA 3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character <i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	3.90 0.70	1.04
10 14 23 00-0074 EA 4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character <i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	4.20 0.78	1.17
10 14 23 00-0075 EA 6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character <i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	5.66 1.07	1.31
10 14 23 00-0076 EA 8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character <i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	6.89 1.38	1.45
10 14 23 00-0077 EA 10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character <i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	8.86 1.81	1.58
10 14 23 00-0078 Removal And Reinstallation Of Building Signage (10 14 23) Note: Includes storage and cleaning.		
10 14 23 00-0079 EA Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF.....	102.29	
10 14 23 00-0080 EA Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF	118.03	
10 14 23 00-0081 EA Removal And Reinstallation Of Building Signage, >12 To 20 SF.....	132.65	
10 14 23 00-0082 EA Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF	39.30	
10 14 23 00-0083 Building Sign (10 14 23) Note: Includes 4" numbers painted on. Installed on building.		
10 14 23 00-0084 EA 6" x 18" Metal Building Sign With Numbers	93.35	15.72
10 14 23 00-0085 SF Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts	34.76	4.09
10 14 23 00-0086 SF Single Sided, Molding On One Side, For Mounting On Structure Up To 20'	25.21	3.79
10 14 23 00-0087 EA Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep.....	12.09	3.22
10 14 23 00-0088 EA Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep.....	13.83	3.51
10 14 23 00-0089 EA Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep.....	15.14	3.79
10 14 23 00-0090 EA Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep.....	17.61	4.09
10 14 53 Traffic Signage (10 14)		
10 14 53 00-0001 Traffic Signs (10 14 53)		
10 14 53 00-0002 ReflectORIZED Stop Signs And Other Traffic Signs (10 14 53 00-0001) Note: Excludes posts.		
10 14 53 00-0003 Aluminum Engineer Grade Stop Signs (10 14 53 00-0002)		
10 14 53 00-0004 EA 18" x 18" Aluminum Engineer Grade Stop Sign..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	45.03 6.44 12.23	11.79
10 14 53 00-0005 EA 18" x 24" Aluminum Engineer Grade Stop Sign..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	52.94 8.42 15.99	12.47
10 14 53 00-0006 EA 24" x 24" Aluminum Engineer Grade Stop Sign..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	57.55 12.85 20.38	13.09
10 14 53 00-0007 EA 30" x 30" Aluminum Engineer Grade Stop Sign..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	67.65 4.82 26.10	13.78
10 14 53 00-0008 EA 36" x 36" Aluminum Engineer Grade Stop Sign..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	93.17 14.16 44.40	14.41
10 14 53 00-0009 Other ReflectORIZED Traffic Signs (10 14 53 00-0002) Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
10 14 53 00-0010 Aluminum Engineer Grade Traffic Signs (10 14 53 00-0009)		
10 14 53 00-0011 EA 6" x 12" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	26.27 1.59	10.48
10 14 53 00-0012 EA 6" x 18" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	28.93 2.39	10.48
10 14 53 00-0013 EA 9" x 12" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	28.93 2.39	10.48
10 14 53 00-0014 EA 9" x 15" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	30.92 2.99	10.48
10 14 53 00-0015 EA 9" x 18" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	32.92 3.59	10.48
10 14 53 00-0016 EA 9" x 24" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	38.21 4.78	11.14
10 14 53 00-0017 EA 9" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	54.15 9.56	11.14
10 14 53 00-0018 EA 12" x 12" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	31.59 3.19	10.48
10 14 53 00-0019 EA 12" x 18" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	38.21 4.78	11.14
10 14 53 00-0020 EA 12" x 24" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	43.52 6.38	11.14
10 14 53 00-0021 EA 12" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	48.84 7.97	11.14



Specialties	10
Information Specialties	10 10
Signage	10 14

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0022 EA 12" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	54.15 9.56	11.14
10 14 53 00-0023 EA 17" x 22" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	49.87 8.28	11.14
10 14 53 00-0024 EA 18" x 18" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	46.18 7.17	11.14
10 14 53 00-0025 EA 18" x 24" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	54.15 9.56	11.14
10 14 53 00-0026 EA 18" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	63.43 11.96	11.79
10 14 53 00-0027 EA 18" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	71.40 14.35	11.79
10 14 53 00-0028 EA 18" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	92.58 19.13	14.41
10 14 53 00-0029 EA 18" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	100.55 21.52	14.41
10 14 53 00-0030 EA 24" x 24" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	66.09 12.75	11.79
10 14 53 00-0031 EA 24" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	76.72 15.94	11.79
10 14 53 00-0032 EA 24" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	87.34 19.13	11.79
10 14 53 00-0033 EA 24" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	103.21 22.32	14.41
10 14 53 00-0034 EA 24" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	113.84 25.51	14.41
10 14 53 00-0035 EA 24" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	124.46 28.69	14.41
10 14 53 00-0036 EA 24" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	135.09 31.88	14.41
10 14 53 00-0037 EA 30" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	90.00 19.93	11.79
10 14 53 00-0038 EA 30" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	108.52 23.91	14.41
10 14 53 00-0039 EA 30" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	121.81 27.90	14.41
10 14 53 00-0040 EA 30" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	140.33 31.88	17.03
10 14 53 00-0041 EA 30" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	172.14 39.85	19.65
10 14 53 00-0042 EA 36" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	124.46 28.69	14.41
10 14 53 00-0043 EA 36" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	145.65 33.48	17.03
10 14 53 00-0044 EA 36" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	166.83 38.26	19.65
10 14 53 00-0045 EA 36" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	182.77 43.04	19.65
10 14 53 00-0046 EA 36" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	203.95 47.82	22.27
10 14 53 00-0047 EA 36" x 73" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	243.73 58.19	24.89
10 14 53 00-0048 EA 36" x 78" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	257.01 62.17	24.89
10 14 53 00-0049 EA 36" x 108" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	344.57 86.08	28.82
10 14 53 00-0050 EA 42" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	169.48 39.05	19.65
10 14 53 00-0051 EA 48" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	214.58 51.01	22.27
10 14 53 00-0052 EA 48" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	241.07 57.39	24.89
10 14 53 00-0053 EA 48" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	262.32 63.76	24.89
10 14 53 00-0054 EA 48" x 66" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	291.44 70.14	28.82
10 14 53 00-0055 EA 48" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	312.69 76.52	28.82
10 14 53 00-0056 EA 48" x 84" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	360.44 89.27	31.44
10 14 53 00-0057 EA 48" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	402.95 102.02	31.44
10 14 53 00-0058 EA 48" x 102" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	424.20 108.40	31.44
10 14 53 00-0059 EA 48" x 108" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	448.07 114.77	32.75
10 14 53 00-0060 EA 60" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	381.70 95.65	31.44
10 14 53 00-0061 EA 72" x 144" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	849.00 229.55	41.91
10 14 53 00-0062 EA 78" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	618.10 165.78	32.75



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0063			Non-Reflectorized Traffic Signs <small>(10 14 53 00-0001)</small>		
			Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.		
10 14 53 00-0064			Steel Non-Reflectorized Traffic Signs <small>(10 14 53 00-0063)</small>		
10 14 53 00-0065	EA		6" x 12" Steel Non Reflectorized Traffic Sign.....	25.55	10.48
10 14 53 00-0066	EA		6" x 18" Steel Non Reflectorized Traffic Sign.....	27.85	10.48
10 14 53 00-0067	EA		9" x 12" Steel Non Reflectorized Traffic Sign.....	27.85	10.48
10 14 53 00-0068	EA		9" x 15" Steel Non Reflectorized Traffic Sign.....	29.57	10.48
10 14 53 00-0069	EA		9" x 18" Steel Non Reflectorized Traffic Sign.....	31.30	10.48
10 14 53 00-0070	EA		9" x 24" Steel Non Reflectorized Traffic Sign.....	36.05	11.14
10 14 53 00-0071	EA		9" x 48" Steel Non Reflectorized Traffic Sign.....	49.83	11.14
10 14 53 00-0072	EA		12" x 12" Steel Non Reflectorized Traffic Sign.....	30.15	10.48
10 14 53 00-0073	EA		12" x 18" Steel Non Reflectorized Traffic Sign.....	36.05	11.14
10 14 53 00-0074	EA		12" x 24" Steel Non Reflectorized Traffic Sign.....	40.64	11.14
10 14 53 00-0075	EA		12" x 30" Steel Non Reflectorized Traffic Sign.....	45.24	11.14
10 14 53 00-0076	EA		12" x 36" Steel Non Reflectorized Traffic Sign.....	49.83	11.14
10 14 53 00-0077	EA		18" x 18" Steel Non Reflectorized Traffic Sign.....	42.94	11.14
10 14 53 00-0078	EA		18" x 24" Steel Non Reflectorized Traffic Sign.....	49.83	11.14
10 14 53 00-0079	EA		18" x 30" Steel Non Reflectorized Traffic Sign.....	58.03	11.79
10 14 53 00-0080	EA		18" x 36" Steel Non Reflectorized Traffic Sign.....	64.92	11.79
10 14 53 00-0081	EA		18" x 48" Steel Non Reflectorized Traffic Sign.....	83.94	14.41
10 14 53 00-0082	EA		18" x 54" Steel Non Reflectorized Traffic Sign.....	90.83	14.41
10 14 53 00-0083	EA		24" x 24" Steel Non Reflectorized Traffic Sign.....	60.33	11.79
10 14 53 00-0084	EA		24" x 30" Steel Non Reflectorized Traffic Sign.....	69.52	11.79
10 14 53 00-0085	EA		24" x 36" Steel Non Reflectorized Traffic Sign.....	78.70	11.79
10 14 53 00-0086	EA		24" x 42" Steel Non Reflectorized Traffic Sign.....	93.13	14.41
10 14 53 00-0087	EA		24" x 48" Steel Non Reflectorized Traffic Sign.....	102.32	14.41
10 14 53 00-0088	EA		24" x 54" Steel Non Reflectorized Traffic Sign.....	111.50	14.41
10 14 53 00-0089	EA		24" x 60" Steel Non Reflectorized Traffic Sign.....	120.69	14.41
10 14 53 00-0090	EA		30" x 30" Steel Non Reflectorized Traffic Sign.....	81.00	11.79
10 14 53 00-0091	EA		30" x 36" Steel Non Reflectorized Traffic Sign.....	97.72	14.41
10 14 53 00-0092	EA		30" x 42" Steel Non Reflectorized Traffic Sign.....	109.21	14.41
10 14 53 00-0093	EA		30" x 48" Steel Non Reflectorized Traffic Sign.....	125.93	17.03
10 14 53 00-0094	EA		30" x 60" Steel Non Reflectorized Traffic Sign.....	154.14	19.65
10 14 53 00-0095	EA		36" x 36" Steel Non Reflectorized Traffic Sign.....	111.50	14.41
10 14 53 00-0096	EA		36" x 42" Steel Non Reflectorized Traffic Sign.....	130.53	17.03
10 14 53 00-0097	EA		36" x 48" Steel Non Reflectorized Traffic Sign.....	149.55	19.65
10 14 53 00-0098	EA		36" x 54" Steel Non Reflectorized Traffic Sign.....	163.33	19.65
10 14 53 00-0099	EA		36" x 60" Steel Non Reflectorized Traffic Sign.....	182.35	22.27
10 14 53 00-0100	EA		36" x 73" Steel Non Reflectorized Traffic Sign.....	217.45	24.89
10 14 53 00-0101	EA		36" x 78" Steel Non Reflectorized Traffic Sign.....	228.93	24.89
10 14 53 00-0102	EA		36" x 108" Steel Non Reflectorized Traffic Sign.....	305.69	28.82
10 14 53 00-0103	EA		42" x 42" Steel Non Reflectorized Traffic Sign.....	151.84	19.65
10 14 53 00-0104	EA		48" x 48" Steel Non Reflectorized Traffic Sign.....	191.54	22.27
10 14 53 00-0105	EA		48" x 54" Steel Non Reflectorized Traffic Sign.....	215.15	24.89
10 14 53 00-0106	EA		48" x 60" Steel Non Reflectorized Traffic Sign.....	233.52	24.89
10 14 53 00-0107	EA		48" x 66" Steel Non Reflectorized Traffic Sign.....	259.76	28.82
10 14 53 00-0108	EA		48" x 72" Steel Non Reflectorized Traffic Sign.....	278.13	28.82
10 14 53 00-0109	EA		48" x 84" Steel Non Reflectorized Traffic Sign.....	320.12	31.44
10 14 53 00-0110	EA		48" x 96" Steel Non Reflectorized Traffic Sign.....	356.87	31.44
10 14 53 00-0111	EA		48" x 102" Steel Non Reflectorized Traffic Sign.....	375.24	31.44
10 14 53 00-0112	EA		48" x 108" Steel Non Reflectorized Traffic Sign.....	396.23	32.75
10 14 53 00-0113	EA		60" x 72" Steel Non Reflectorized Traffic Sign.....	338.50	31.44
10 14 53 00-0114	EA		72" x 144" Steel Non Reflectorized Traffic Sign.....	745.32	41.91
10 14 53 00-0115	EA		78" x 96" Steel Non Reflectorized Traffic Sign.....	543.22	32.75
10 14 53 00-0116			Aluminum Non-Reflectorized Traffic Signs <small>(10 14 53 00-0063)</small>		
10 14 53 00-0117	EA		6" x 12" Aluminum Non Reflectorized Traffic Sign.....	25.74	10.48
10 14 53 00-0118	EA		6" x 18" Aluminum Non Reflectorized Traffic Sign.....	28.13	10.48
10 14 53 00-0119	EA		9" x 12" Aluminum Non Reflectorized Traffic Sign.....	28.13	10.48
10 14 53 00-0120	EA		9" x 15" Aluminum Non Reflectorized Traffic Sign.....	29.92	10.48
10 14 53 00-0121	EA		9" x 18" Aluminum Non Reflectorized Traffic Sign.....	31.72	10.48
10 14 53 00-0122	EA		9" x 24" Aluminum Non Reflectorized Traffic Sign.....	36.61	11.14
10 14 53 00-0123	EA		9" x 48" Aluminum Non Reflectorized Traffic Sign.....	50.95	11.14
10 14 53 00-0124	EA		12" x 12" Aluminum Non Reflectorized Traffic Sign.....	30.52	10.48
10 14 53 00-0125	EA		12" x 18" Aluminum Non Reflectorized Traffic Sign.....	36.61	11.14
10 14 53 00-0126	EA		12" x 24" Aluminum Non Reflectorized Traffic Sign.....	41.39	11.14
10 14 53 00-0127	EA		12" x 30" Aluminum Non Reflectorized Traffic Sign.....	46.17	11.14
10 14 53 00-0128	EA		12" x 36" Aluminum Non Reflectorized Traffic Sign.....	50.95	11.14
10 14 53 00-0129	EA		18" x 18" Aluminum Non Reflectorized Traffic Sign.....	43.78	11.14
10 14 53 00-0130	EA		18" x 24" Aluminum Non Reflectorized Traffic Sign.....	50.95	11.14
10 14 53 00-0131	EA		18" x 30" Aluminum Non Reflectorized Traffic Sign.....	59.44	11.79
10 14 53 00-0132	EA		18" x 36" Aluminum Non Reflectorized Traffic Sign.....	66.61	11.79
10 14 53 00-0133	EA		18" x 48" Aluminum Non Reflectorized Traffic Sign.....	86.19	14.41
10 14 53 00-0134	EA		18" x 54" Aluminum Non Reflectorized Traffic Sign.....	93.36	14.41
10 14 53 00-0135	EA		24" x 24" Aluminum Non Reflectorized Traffic Sign.....	61.83	11.79
10 14 53 00-0136	EA		24" x 30" Aluminum Non Reflectorized Traffic Sign.....	71.39	11.79
10 14 53 00-0137	EA		24" x 36" Aluminum Non Reflectorized Traffic Sign.....	80.95	11.79
10 14 53 00-0138	EA		24" x 42" Aluminum Non Reflectorized Traffic Sign.....	95.75	14.41



Specialties	10
Information Specialties	10 10
Signage	10 14

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0139 EA 24" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	105.31	14.41
10 14 53 00-0140 EA 24" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	114.87	14.41
10 14 53 00-0141 EA 24" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	124.44	14.41
10 14 53 00-0142 EA 30" x 30" Aluminum Non ReflectORIZED Traffic Sign.....	83.34	11.79
10 14 53 00-0143 EA 30" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	100.53	14.41
10 14 53 00-0144 EA 30" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	112.48	14.41
10 14 53 00-0145 EA 30" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	129.68	17.03
10 14 53 00-0146 EA 30" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	158.82	19.65
10 14 53 00-0147 EA 36" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	114.87	14.41
10 14 53 00-0148 EA 36" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	134.46	17.03
10 14 53 00-0149 EA 36" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	154.04	19.65
10 14 53 00-0150 EA 36" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	168.38	19.65
10 14 53 00-0151 EA 36" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	187.96	22.27
10 14 53 00-0152 EA 36" x 73" Aluminum Non ReflectORIZED Traffic Sign.....	224.28	24.89
10 14 53 00-0153 EA 36" x 78" Aluminum Non ReflectORIZED Traffic Sign.....	236.23	24.89
10 14 53 00-0154 EA 36" x 108" Aluminum Non ReflectORIZED Traffic Sign.....	315.80	28.82
10 14 53 00-0155 EA 42" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	156.43	19.65
10 14 53 00-0156 EA 48" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	197.53	22.27
10 14 53 00-0157 EA 48" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	221.89	24.89
10 14 53 00-0158 EA 48" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	241.01	24.89
10 14 53 00-0159 EA 48" x 66" Aluminum Non ReflectORIZED Traffic Sign.....	268.00	28.82
10 14 53 00-0160 EA 48" x 72" Aluminum Non ReflectORIZED Traffic Sign.....	287.12	28.82
10 14 53 00-0161 EA 48" x 84" Aluminum Non ReflectORIZED Traffic Sign.....	330.60	31.44
10 14 53 00-0162 EA 48" x 96" Aluminum Non ReflectORIZED Traffic Sign.....	368.85	31.44
10 14 53 00-0163 EA 48" x 102" Aluminum Non ReflectORIZED Traffic Sign.....	387.97	31.44
10 14 53 00-0164 EA 48" x 108" Aluminum Non ReflectORIZED Traffic Sign.....	409.71	32.75
10 14 53 00-0165 EA 60" x 72" Aluminum Non ReflectORIZED Traffic Sign.....	349.73	31.44
10 14 53 00-0166 EA 72" x 144" Aluminum Non ReflectORIZED Traffic Sign.....	772.28	41.91
10 14 53 00-0167 EA 78" x 96" Aluminum Non ReflectORIZED Traffic Sign.....	562.69	32.75
10 14 53 00-0168 Aluminum Street Signs (10 14 53 00-0001)		
Note: Excludes posts.		
10 14 53 00-0169 Aluminum Engineer Grade Street Signs (10 14 53 00-0168)		
10 14 53 00-0170 EA 6" High, Aluminum Engineer Grade Street Sign.....	54.42	5.24
For Hi-Intensity Grade, Add	13.18	
10 14 53 00-0171 EA 8" High, Aluminum Engineer Grade Street Sign.....	62.18	5.24
For Hi-Intensity Grade, Add	15.51	
10 14 53 00-0172 EA 9" High, Aluminum Engineer Grade Street Sign.....	67.96	5.24
For Hi-Intensity Grade, Add	17.24	
10 14 53 00-0173 Street Sign Accessories (10 14 53 00-0168)		
10 14 53 00-0174 EA Post Cap And Single Bracket For Street Sign.....	15.81	2.62
10 14 53 00-0175 EA Post Cap And Double Bracket For Street Sign.....	15.81	2.62
10 14 53 00-0176 Sign Posts (10 14 53 00-0001)		
Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.		
10 14 53 00-0177 U-Channel Sign Posts (10 14 53 00-0176)		
Note: Excludes digging and concrete.		
10 14 53 00-0178 Baked Enamel U-Channel Sign Posts (10 14 53 00-0177)		
10 14 53 00-0179 EA 3' To 4' Baked Enamel U-Channel Sign Post Base.....	39.86	10.76
10 14 53 00-0180 EA 6' Baked Enamel U-Channel Sign Post.....	52.69	13.45
10 14 53 00-0181 EA 7' Baked Enamel U-Channel Sign Post.....	62.87	16.14
10 14 53 00-0182 EA 8' Baked Enamel U-Channel Sign Post.....	73.65	18.83
10 14 53 00-0183 EA 10' Baked Enamel U-Channel Sign Post.....	88.79	22.87
10 14 53 00-0184 EA 12' Baked Enamel U-Channel Sign Post.....	91.73	22.87
10 14 53 00-0185 Galvanized Steel U-Channel Sign Posts (10 14 53 00-0177)		
10 14 53 00-0186 EA 3' To 4' Galvanized Steel U-Channel Sign Post Base.....	43.64	10.76
10 14 53 00-0187 EA 6' Galvanized Steel U-Channel Sign Post.....	58.69	13.45
10 14 53 00-0188 EA 7' Galvanized Steel U-Channel Sign Post.....	76.44	16.14
10 14 53 00-0189 EA 8' Galvanized Steel U-Channel Sign Post.....	88.65	18.83
10 14 53 00-0190 EA 10' Galvanized Steel U-Channel Sign Post.....	99.71	22.87
10 14 53 00-0191 EA 12' Galvanized Steel U-Channel Sign Post.....	101.23	22.87
10 14 53 00-0192 Fiberglass Or Composite Plastic U-Channel Sign Posts (10 14 53 00-0177)		
10 14 53 00-0193 EA 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base.....	38.97	10.76
10 14 53 00-0194 EA 6' Fiberglass Or Composite Plastic U-Channel Sign Post.....	50.75	13.45
10 14 53 00-0195 EA 7' Fiberglass Or Composite Plastic U-Channel Sign Post.....	60.53	16.14
10 14 53 00-0196 EA 8' Fiberglass Or Composite Plastic U-Channel Sign Post.....	70.86	18.83
10 14 53 00-0197 EA 10' Fiberglass Or Composite Plastic U-Channel Sign Post.....	83.73	22.87
10 14 53 00-0198 EA 12' Fiberglass Or Composite Plastic U-Channel Sign Post.....	88.73	22.87

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0199		Tubular Sign Posts (10 14 53 00-0176) Note: Excludes digging and concrete.		
10 14 53 00-0200		2-3/8" Diameter, Galvanized Steel Tubular Sign Post (10 14 53 00-0199)		
10 14 53 00-0201	EA	6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	59.31	13.45
10 14 53 00-0202	EA	7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	70.28	16.14
10 14 53 00-0203	EA	8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	83.15	18.83
10 14 53 00-0204	EA	10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	107.92	22.87
10 14 53 00-0205	EA	12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	118.22	22.87
10 14 53 00-0206		Square Sign Posts (10 14 53 00-0176) Note: Excludes digging and concrete.		
10 14 53 00-0207		Galvanized Steel Square Sign Posts (10 14 53 00-0206)		
10 14 53 00-0208	EA	3' To 4' Galvanized Steel Square Sign Post Base	44.48	10.76
10 14 53 00-0209	EA	6' Galvanized Steel Square Sign Post	72.90	13.45
10 14 53 00-0210	EA	7' Galvanized Steel Square Sign Post	85.28	16.14
10 14 53 00-0211	EA	8' Galvanized Steel Square Sign Post	99.47	18.83
10 14 53 00-0212	EA	10' Galvanized Steel Square Sign Post	121.54	22.87
10 14 53 00-0213	EA	12' Galvanized Steel Square Sign Post	128.73	22.87
10 14 53 00-0214		Standard Driven Street Sign Posts, Square (10 14 53 00-0206)		
10 14 53 00-0215	EA	12' x 2" Square 12 Gauge Galvanized Steel Sign Post With 1'-6" x 2-1/2" Square Sleeve And 2'-6" x 2-1/4" Square Anchor Driven Into Earth.....	156.23	22.87
10 14 53 00-0216		Sign Post Accessories (10 14 53 00-0001)		
10 14 53 00-0217		Sign Post Brackets (10 14 53 00-0216)		
10 14 53 00-0218	EA	2-3/8" Outside Diameter, Single Sign Bracket Set.....	20.55	3.93
10 14 53 00-0219	EA	2-3/8" Outside Diameter, Double Sign Bracket Set.....	37.38	6.55
10 14 53 00-0220	EA	10 cm - 37 cm Diameter, Buckle Bracket Set	32.47	5.24
10 14 53 00-0221		Sign Post Caps (10 14 53 00-0216)		
10 14 53 00-0222	EA	Traffic Sign Post Cap	11.13	2.62
10 14 53 00-0223		Sign Post Replacement Bolts (10 14 53 00-0216)		
10 14 53 00-0224	EA	Signage Fasteners, 2 Bolts, 2 Nuts And 4 Washers	7.23	
10 14 53 00-0225		Removal Of Signs (10 14 53) Note: Includes structural supports.		
10 14 53 00-0226	EA	>4 To 10 SF Sign Area, Sign Removal	104.80	
10 14 53 00-0227	EA	>10 To 20 SF Sign Area, Sign Removal	251.51	
10 14 53 00-0228	EA	>20 To 40 SF Sign Area, Sign Removal	377.27	
10 14 53 00-0229	EA	>40 To 100 SF Sign Area, Sign Removal	650.47	
10 14 53 00-0230		Remove And Reinstall Signs (10 14 53) Note: Includes structural supports.		
10 14 53 00-0231	EA	>4 To 10 SF Sign Area, Removal And Reinstallation Of Sign.....	160.49	
10 14 53 00-0232	EA	>10 To 20 SF Sign Area, Removal And Reinstallation Of Sign.....	379.62	
10 14 53 00-0233	EA	>20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign.....	567.89	
10 14 53 00-0234	EA	>40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign.....	977.56	
10 14 53 00-0235	EA	Removal And Reinstallation Of Street Sign On Post.....	60.26	
10 14 53 00-0236	EA	Removal And Relocation Of Traffic Light.....	223.91	
		Note: Excludes electrical hookup.		

10 20 Interior Specialties (10)

10 21 Compartments And Cubicles (10 20)

10 21 13 Toilet Compartments (10 21)

10 21 13 13 Metal Toilet Compartments (10 21 13)

10 21 13 13-0001 **Enamel Coated Steel Toilet Partitions And Urinal Screens** (10 21 13 13)
 Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.

10 21 13 13-0002 **Enamel Coated Steel Toilet Partitions** (10 21 13 13-0001)
 Note: All colors.

10 21 13 13-0003 **Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions** (10 21 13 13-0002)



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0004 EA 36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	611.88	65.76
For >10, Deduct	-48.04	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
10 21 13 13-0005 EA 60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	743.38	71.60
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
10 21 13 13-0006 EA 60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	794.76	74.53
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
10 21 13 13-0007 Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002) Note: Includes headrail.		
10 21 13 13-0008 EA 36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	631.97	80.37
For >10, Deduct	-47.12	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
10 21 13 13-0009 EA 60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	737.23	86.22
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
10 21 13 13-0010 EA 60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	780.17	89.14
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
10 21 13 13-0011 Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002) Note: Excludes above ceiling steel.		
10 21 13 13-0012 EA 36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	745.85	94.98
For >10, Deduct	-55.59	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
10 21 13 13-0013 EA 60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	873.80	100.83
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
10 21 13 13-0014 EA 60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	918.71	103.75
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
10 21 13 13-0015 Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002) Note: Excludes above ceiling steel.		
10 21 13 13-0016 EA 36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	713.25	109.60
For >10, Deduct	-49.41	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
10 21 13 13-0017 EA 60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	862.99	115.44
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
10 21 13 13-0018 EA 60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	913.08	118.37
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
10 21 13 13-0019 Enamel Coated Steel Urinal Screens (10 21 13 13-0001) Note: All colors.		
10 21 13 13-0020 Floor Anchored, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0021 EA 24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	321.39	40.89
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 13-0022 EA 36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	356.91	43.82
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 13-0023 EA 48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	393.55	46.74
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 13-0024 Wall Hung, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0025 EA 18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	177.35	35.05
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 13-0026 EA 24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	191.19	37.98
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 13-0027 EA 30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	201.58	40.89
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 13-0028 Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0029 EA 18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen.....	232.22	37.98
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 13-0030 Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0031 EA 18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen.....	261.93	37.98
For Heavy Gauge Full-Height SS Brackets, Add	25.12	

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0032	EA		24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	279.18 25.12	40.89
10 21 13 13-0033	EA		30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	296.43 25.12	43.82
10 21 13 13-0034			Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens ^(10 21 13 13-0019)		
10 21 13 13-0035	EA		22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	296.29 25.12	40.89
10 21 13 13-0036	EA		34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	318.11 25.12	43.82
10 21 13 13-0037	EA		46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	352.48 25.12	46.74
10 21 13 13-0038			Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters ^(10 21 13 13-0001) Note: All colors.		
10 21 13 13-0039			Enamel Coated Steel, Toilet Partition Doors ^(10 21 13 13-0038)		
10 21 13 13-0040	EA		24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	196.81 40.42	11.69
10 21 13 13-0041	EA		26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	201.38 40.42	11.69
10 21 13 13-0042	EA		30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	213.40 40.42	12.56
10 21 13 13-0043	EA		34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	233.94 40.42	12.56
10 21 13 13-0044	EA		36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	238.51 40.42	12.56
10 21 13 13-0045			Enamel Coated Steel, Toilet Partition Panels ^(10 21 13 13-0038)		
10 21 13 13-0046	EA		6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	137.76 25.12	17.54
10 21 13 13-0047	EA		12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	152.10 25.12	18.99
10 21 13 13-0048	EA		18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	166.42 25.12	20.46
10 21 13 13-0049	EA		24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	180.76 25.12	21.92
10 21 13 13-0050	EA		30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	195.10 25.12	23.38
10 21 13 13-0051	EA		36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	209.42 25.12	24.85
10 21 13 13-0052	EA		42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	222.62 25.12	26.30
10 21 13 13-0053	EA		48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	236.95 25.12	27.76
10 21 13 13-0054	EA		55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	246.71 25.12	29.23
10 21 13 13-0055	EA		58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	252.45 42.00 25.12	29.81
10 21 13 13-0056	EA		60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	259.90 42.00 25.12	30.69
10 21 13 13-0057	EA		70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	284.51 42.00 25.12	32.15
10 21 13 13-0058	EA		78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	305.69 42.00 25.12	33.61
10 21 13 13-0059			70" Long, Enamel Coated Steel, Toilet Partition Pilasters ^(10 21 13 13-0038)		
10 21 13 13-0060	EA		Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	106.54 25.12	8.77
10 21 13 13-0061	EA		5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	117.44 25.12	10.23
10 21 13 13-0062	EA		6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	129.49 25.12	11.69
10 21 13 13-0063	EA		8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	150.67 25.12	13.15
10 21 13 13-0064	EA		10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	170.71 25.12	14.61
10 21 13 13-0065	EA		12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	190.75 25.12	16.08
10 21 13 13-0066	EA		18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	247.30 25.12	17.54
10 21 13 13-0067	EA		22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	284.46 25.12	18.99
10 21 13 13-0068	EA		24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	305.62 25.12	20.46



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0069 82" Long, Enamel Coated Steel, Toilet Partition Pilasters <small>(10 21 13 13-0038)</small>		
10 21 13 13-0070 EA Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	84.86	8.77
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 13-0071 EA 5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	92.34	10.23
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 13-0072 EA 6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	100.97	11.69
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 13-0073 EA 8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	114.16	13.15
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 13-0074 EA 10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	126.21	14.61
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 13-0075 EA 12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	139.40	16.08
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 13-0076 EA 18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	173.13	17.54
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 13-0077 EA 22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	195.46	18.99
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 13-0078 EA 24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	208.64	20.46
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 13-0079 96" To 120" Long, Enamel Coated Steel, Partition Pilasters <small>(10 21 13 13-0038)</small>		
10 21 13 13-0080 EA Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	118.08	11.69
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 13-0081 EA 5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	128.99	13.15
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 13-0082 EA 6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	141.05	14.61
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 13-0083 EA 8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	162.22	16.08
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 13-0084 EA 10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	182.26	17.54
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 13-0085 EA 12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	202.30	18.99
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 13-0086 EA 18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	258.84	20.46
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 13-0087 EA 22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	296.00	21.92
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 13-0088 EA 24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	317.19	23.38
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 14 Stainless-Steel Toilet Compartments <small>(10 21 13)</small>		
10 21 13 14-0001 Stainless Steel Toilet Partitions And Urinal Screens <small>(10 21 13 14)</small>		
Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.		
10 21 13 14-0002 Stainless Steel Toilet Partitions <small>(10 21 13 14-0001)</small>		
10 21 13 14-0003 Floor Anchored, Stainless Steel, Complete Toilet Partitions <small>(10 21 13 14-0002)</small>		
10 21 13 14-0004 EA 36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition.....	1,853.52	65.76
For >10, Deduct	-172.20	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
For Diamond Pattern Finish, Add	602.70	
10 21 13 14-0005 EA 60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,247.12	71.60
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
For Diamond Pattern Finish, Add	736.37	
10 21 13 14-0006 EA 60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,354.17	74.53
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
For Diamond Pattern Finish, Add	771.79	
10 21 13 14-0007 Overhead Braced, Stainless Steel, Complete Toilet Partitions <small>(10 21 13 14-0002)</small>		
Note: Includes headrail.		
10 21 13 14-0008 EA 36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition.....	1,540.59	80.37
For >10, Deduct	-137.99	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
For Diamond Pattern Finish, Add	482.95	
10 21 13 14-0009 EA 60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,888.78	86.22
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
For Diamond Pattern Finish, Add	600.72	
10 21 13 14-0010 EA 60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,063.82	89.14
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
For Diamond Pattern Finish, Add	659.94	

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0011			Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions <small>(10 21 13 14-0002)</small>		
			Note: Excludes above ceiling steel.		
10 21 13 14-0012	EA		36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition.....	2,152.95	94.98
			For >10, Deduct	-196.30	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
			For Diamond Pattern Finish, Add	687.04	
10 21 13 14-0013	EA		60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,310.34	100.83
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
			For Diamond Pattern Finish, Add	738.04	
10 21 13 14-0014	EA		60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,420.63	103.75
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
			For Diamond Pattern Finish, Add	774.59	
10 21 13 14-0015			Ceiling Hung, Stainless Steel, Complete Toilet Partitions <small>(10 21 13 14-0002)</small>		
			Note: Excludes above ceiling steel.		
10 21 13 14-0016	EA		36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition.....	2,138.31	109.60
			For >10, Deduct	-191.91	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
			For Diamond Pattern Finish, Add	671.69	
10 21 13 14-0017	EA		60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,623.61	115.44
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
			For Diamond Pattern Finish, Add	837.46	
10 21 13 14-0018	EA		60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,762.33	118.37
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
			For Diamond Pattern Finish, Add	883.96	
10 21 13 14-0019			Stainless Steel Urinal Screens <small>(10 21 13 14-0001)</small>		
10 21 13 14-0020			Floor Anchored, Stainless Steel, Urinal Screens <small>(10 21 13 14-0019)</small>		
10 21 13 14-0021	EA		24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen.....	589.44	40.89
			For Heavy Gauge Full-Height SS Brackets, Add	25.12	
			For Diamond Pattern Finish, Add	177.68	
10 21 13 14-0022	EA		36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen.....	670.10	43.82
			For Heavy Gauge Full-Height SS Brackets, Add	25.12	
			For Diamond Pattern Finish, Add	203.86	
10 21 13 14-0023	EA		48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen.....	682.07	46.74
			For Heavy Gauge Full-Height SS Brackets, Add	25.12	
			For Diamond Pattern Finish, Add	206.01	
10 21 13 14-0024			Wall Hung, Stainless Steel, Urinal Screens <small>(10 21 13 14-0019)</small>		
10 21 13 14-0025	EA		18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen.....	430.26	35.05
			For Heavy Gauge Full-Height SS Brackets, Add	25.12	
			For Diamond Pattern Finish, Add	126.06	
10 21 13 14-0026	EA		24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen.....	465.52	37.98
			For Heavy Gauge Full-Height SS Brackets, Add	25.12	
			For Diamond Pattern Finish, Add	136.35	
10 21 13 14-0027	EA		30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen.....	508.86	40.89
			For Heavy Gauge Full-Height SS Brackets, Add	25.12	
			For Diamond Pattern Finish, Add	149.48	
10 21 13 14-0028			Wall Hung And Post Supported, Stainless Steel, Urinal Screens <small>(10 21 13 14-0019)</small>		
10 21 13 14-0029	EA		18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen.....	720.50	37.98
			For Heavy Gauge Full-Height SS Brackets, Add	25.12	
			For Diamond Pattern Finish, Add	225.59	
10 21 13 14-0030	EA		24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen.....	753.89	40.89
			For Heavy Gauge Full-Height SS Brackets, Add	25.12	
			For Diamond Pattern Finish, Add	235.24	
10 21 13 14-0031	EA		30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen.....	787.11	43.82
			For Heavy Gauge Full-Height SS Brackets, Add	25.12	
			For Diamond Pattern Finish, Add	244.82	
10 21 13 14-0032			Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens <small>(10 21 13 14-0019)</small>		
10 21 13 14-0033	EA		22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	589.44	40.89
			For Heavy Gauge Full-Height SS Brackets, Add	25.12	
			For Diamond Pattern Finish, Add	177.68	
10 21 13 14-0034	EA		34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	670.10	43.82
			For Heavy Gauge Full-Height SS Brackets, Add	25.12	
			For Diamond Pattern Finish, Add	203.86	
10 21 13 14-0035	EA		46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	754.26	46.74
			For Heavy Gauge Full-Height SS Brackets, Add	25.12	
			For Diamond Pattern Finish, Add	231.28	
10 21 13 14-0036			Stainless Steel Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 14-0001)</small>		



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0037 Stainless Steel, Toilet Partition Doors <small>(10 21 13 14-0036)</small>		
10 21 13 14-0038 EA 24" x 58" x 1", Stainless Steel, Toilet Partition Door	407.41	11.69
For Heavy Gauge Full-Height SS Hinge, Add	40.42	
For Diamond Pattern Finish, Add	134.41	
10 21 13 14-0039 EA 26" x 58" x 1", Stainless Steel, Toilet Partition Door	468.06	11.69
For Heavy Gauge Full-Height SS Hinge, Add	40.42	
For Diamond Pattern Finish, Add	155.64	
10 21 13 14-0040 EA 30" x 58" x 1", Stainless Steel, Toilet Partition Door	479.39	13.15
For Heavy Gauge Full-Height SS Hinge, Add	40.42	
For Diamond Pattern Finish, Add	158.58	
10 21 13 14-0041 EA 34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door.....	496.89	13.15
For Heavy Gauge Full-Height SS Hinge, Add	40.42	
For Diamond Pattern Finish, Add	164.71	
10 21 13 14-0042 EA 36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door.....	501.77	13.15
For Heavy Gauge Full-Height SS Hinge, Add	40.42	
For Diamond Pattern Finish, Add	166.41	
10 21 13 14-0043 Stainless Steel, Toilet Partition Panels <small>(10 21 13 14-0036)</small>		
10 21 13 14-0044 EA 6" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	343.22	17.54
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Diamond Pattern Finish, Add	107.85	
10 21 13 14-0045 EA 12" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	381.74	18.99
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Diamond Pattern Finish, Add	120.31	
10 21 13 14-0046 EA 18" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	396.96	20.46
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Diamond Pattern Finish, Add	124.62	
10 21 13 14-0047 EA 24" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	414.52	21.92
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Diamond Pattern Finish, Add	129.74	
10 21 13 14-0048 EA 30" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	445.10	23.38
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Diamond Pattern Finish, Add	139.42	
10 21 13 14-0049 EA 36" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	480.92	24.85
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Diamond Pattern Finish, Add	150.93	
10 21 13 14-0050 EA 42" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	565.93	26.30
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Diamond Pattern Finish, Add	179.66	
10 21 13 14-0051 EA 48" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	620.86	27.76
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Diamond Pattern Finish, Add	197.87	
10 21 13 14-0052 EA 55" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	636.10	29.23
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Diamond Pattern Finish, Add	202.18	
10 21 13 14-0053 EA 58" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	668.75	29.81
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Diamond Pattern Finish, Add	213.20	
10 21 13 14-0054 EA 60" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	711.57	30.69
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Diamond Pattern Finish, Add	227.57	
10 21 13 14-0055 EA 70" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	745.59	32.15
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Diamond Pattern Finish, Add	238.45	
10 21 13 14-0056 EA 78" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	820.08	33.61
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Diamond Pattern Finish, Add	263.50	
10 21 13 14-0057 70" Long, Stainless Steel, Toilet Partition Pilasters <small>(10 21 13 14-0036)</small>		
10 21 13 14-0058 EA Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	242.03	8.77
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Diamond Pattern Finish, Add	78.57	
10 21 13 14-0059 EA 5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	262.74	10.23
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Diamond Pattern Finish, Add	84.80	
10 21 13 14-0060 EA 6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	284.83	11.69
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Diamond Pattern Finish, Add	91.51	
10 21 13 14-0061 EA 8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	324.71	13.15
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Diamond Pattern Finish, Add	104.44	
10 21 13 14-0062 EA 10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	364.60	14.61
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Diamond Pattern Finish, Add	117.38	
10 21 13 14-0063 EA 12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	404.47	16.08
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Diamond Pattern Finish, Add	130.31	
10 21 13 14-0064 EA 18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster.....	516.90	17.54
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Diamond Pattern Finish, Add	168.64	

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0065	EA		22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	593.75 25.12 194.51	18.99
10 21 13 14-0066	EA		24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	633.62 25.12 207.45	20.46
10 21 13 14-0067			82" Long, Stainless Steel, Toilet Partition Pilasters <small>(10 21 13 14-0036)</small>		
10 21 13 14-0068	EA		Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	182.54 25.12 57.75	8.77
10 21 13 14-0069	EA		5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	196.75 25.12 61.70	10.23
10 21 13 14-0070	EA		6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	211.54 25.12 65.86	11.69
10 21 13 14-0071	EA		8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	277.09 25.12 87.78	13.15
10 21 13 14-0072	EA		10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	313.02 25.12 99.33	14.61
10 21 13 14-0073	EA		12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	322.78 25.12 101.72	16.08
10 21 13 14-0074	EA		18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	366.56 25.12 116.02	17.54
10 21 13 14-0075	EA		22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	414.43 25.12 131.75	18.99
10 21 13 14-0076	EA		24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	439.63 25.12 139.55	20.46
10 21 13 14-0077			96" To 120" Long, Stainless Steel, Toilet Partition Pilasters <small>(10 21 13 14-0036)</small>		
10 21 13 14-0078	EA		Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	262.93 25.12 83.84	11.69
10 21 13 14-0079	EA		5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	287.75 25.12 91.51	13.15
10 21 13 14-0080	EA		6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	311.21 25.12 98.69	14.61
10 21 13 14-0081	EA		8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	357.93 25.12 114.02	16.08
10 21 13 14-0082	EA		10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	403.29 25.12 128.88	17.54
10 21 13 14-0083	EA		12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	448.65 25.12 143.73	18.99
10 21 13 14-0084	EA		18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	581.60 25.12 189.24	20.46
10 21 13 14-0085	EA		22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	669.40 25.12 218.95	21.92
10 21 13 14-0086	EA		24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	716.13 25.12 234.28	23.38
10 21 13 16			Plastic-Laminate-Clad Toilet Compartments <small>(10 21 13)</small>		
10 21 13 16-0001			Laminated Plastic Toilet Partitions And Urinal Screens <small>(10 21 13 16)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high pressure decorative plastic laminate bonded to a solid industrial-grade particle board.		
10 21 13 16-0002			Laminated Plastic Toilet Partitions <small>(10 21 13 16-0001)</small> Note: Includes all standard Bobrick colors.		
10 21 13 16-0003			Floor Anchored, Laminated Plastic, Complete Toilet Partitions <small>(10 21 13 16-0002)</small>		
10 21 13 16-0004	EA		36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	573.56 -44.20 72.88 90.66	65.76



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0005 EA 60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition 698.43	698.43	71.60
For Cast Stainless Steel Hardware, Add	72.89	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
10 21 13 16-0006 EA 60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition 750.75	750.75	74.53
For Cast Stainless Steel Hardware, Add	72.90	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
10 21 13 16-0007 Overhead Braced, Laminated Plastic, Complete Toilet Partitions (10 21 13 16-0002)		
Note: Includes headrail.		
10 21 13 16-0008 EA 36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition 624.36	624.36	80.37
For >10, Deduct	-46.36	
For Cast Stainless Steel Hardware, Add	72.91	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
10 21 13 16-0009 EA 60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition 754.63	754.63	86.22
For Cast Stainless Steel Hardware, Add	72.92	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
10 21 13 16-0010 EA 60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition 810.99	810.99	89.14
For Cast Stainless Steel Hardware, Add	72.92	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
10 21 13 16-0011 Ceiling Hung, Laminated Plastic, Complete Toilet Partitions (10 21 13 16-0002)		
Note: Excludes above ceiling steel.		
10 21 13 16-0012 EA 36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition 835.62	835.62	109.60
For >10, Deduct	-61.64	
For Cast Stainless Steel Hardware, Add	72.96	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
10 21 13 16-0013 EA 60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition 970.03	970.03	115.44
For Cast Stainless Steel Hardware, Add	72.97	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
10 21 13 16-0014 EA 60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition 1,022.36	1,022.36	118.37
For Cast Stainless Steel Hardware, Add	72.98	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
10 21 13 16-0015 Laminated Plastic Urinal Screens (10 21 13 16-0001)		
Note: Includes all standard Bobrick colors.		
10 21 13 16-0016 Floor Anchored, Laminated Plastic, Urinal Screens (10 21 13 16-0015)		
10 21 13 16-0017 EA 24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen 246.64	246.64	40.89
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 16-0018 EA 36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen 268.66	268.66	43.82
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 16-0019 EA 48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen 277.68	277.68	46.74
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 16-0020 Wall Hung, Laminated Plastic, Urinal Screens (10 21 13 16-0015)		
10 21 13 16-0021 EA 18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen 192.81	192.81	35.05
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 16-0022 EA 24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen 203.28	203.28	37.98
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 16-0023 EA 30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen 213.31	213.31	40.89
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 16-0024 Wall Hung And Post Supported, Laminated Plastic, Urinal Screens (10 21 13 16-0015)		
10 21 13 16-0025 EA 18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen 252.71	252.71	37.98
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 16-0026 EA 24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen 276.98	276.98	40.89
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 16-0027 EA 30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen 303.20	303.20	43.82
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 16-0028 Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens (10 21 13 16-0015)		
10 21 13 16-0029 EA 24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen 234.36	234.36	37.98
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 16-0030 EA 36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen 256.83	256.83	40.89
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 16-0031 EA 48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen 265.58	265.58	43.82
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 16-0032 Laminated Plastic Toilet Partition Doors, Panels And Pilasters (10 21 13 16-0001)		
Note: Includes all standard Bobrick colors.		

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0033 Laminated Plastic, Toilet Partition Doors (10 21 13 16-0032)		
10 21 13 16-0034 EA 24" x 58" x 1", Laminated Plastic, Toilet Partition Door.....	186.80	11.69
For Heavy Gauge Full-Height SS Hinge, Add	40.42	
10 21 13 16-0035 EA 26" x 58" x 1", Laminated Plastic, Toilet Partition Door.....	202.68	11.69
For Heavy Gauge Full-Height SS Hinge, Add	40.42	
10 21 13 16-0036 EA 30" x 58" x 1", Laminated Plastic, Toilet Partition Door.....	209.93	13.15
For Heavy Gauge Full-Height SS Hinge, Add	40.42	
10 21 13 16-0037 EA 34" x 58" x 1", Laminated Plastic, ADA Compliant Toilet Partition Door	214.84	13.15
For Heavy Gauge Full-Height SS Hinge, Add	40.42	
10 21 13 16-0038 EA 36" x 58" x 1", Laminated Plastic, ADA Compliant Toilet Partition Door	219.46	13.15
For Heavy Gauge Full-Height SS Hinge, Add	40.42	
10 21 13 16-0039 Laminated Plastic, Toilet Partition Panels (10 21 13 16-0032)		
10 21 13 16-0040 EA 6" x 58" x 1", Laminated Plastic, Toilet Partition Panel	99.43	17.54
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 16-0041 EA 12" x 58" x 1", Laminated Plastic, Toilet Partition Panel	109.85	18.99
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 16-0042 EA 18" x 58" x 1", Laminated Plastic, Toilet Partition Panel	120.24	20.46
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 16-0043 EA 24" x 58" x 1", Laminated Plastic, Toilet Partition Panel	131.04	21.92
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 16-0044 EA 30" x 58" x 1", Laminated Plastic, Toilet Partition Panel	141.07	23.38
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 16-0045 EA 36" x 58" x 1", Laminated Plastic, Toilet Partition Panel	151.89	24.85
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 16-0046 EA 42" x 58" x 1", Laminated Plastic, Toilet Partition Panel	155.70	26.30
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 16-0047 EA 48" x 58" x 1", Laminated Plastic, Toilet Partition Panel	160.05	27.76
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 16-0048 EA 55" x 58" x 1", Laminated Plastic, Toilet Partition Panel	168.47	29.23
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 16-0049 EA 58" x 58" x 1", Laminated Plastic, Toilet Partition Panel	175.25	29.81
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 16-0050 EA 60" x 58" x 1", Laminated Plastic, Toilet Partition Panel	182.92	30.69
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 16-0051 EA 70" x 58" x 1", Laminated Plastic, Toilet Partition Panel	207.51	32.15
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 16-0052 EA 78" x 58" x 1", Laminated Plastic, Toilet Partition Panel	235.26	33.61
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
10 21 13 16-0053 69" Long, Laminated Plastic, Toilet Partition Pilasters (10 21 13 16-0032)		
10 21 13 16-0054 EA Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	79.04	8.77
For 1-1/4" Pilaster, Add	5.07	
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Steel Core Pilaster, Add	61.50	
10 21 13 16-0055 EA 5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	91.20	10.23
For 1-1/4" Pilaster, Add	5.84	
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Steel Core Pilaster, Add	70.74	
10 21 13 16-0056 EA 6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	94.12	11.69
For 1-1/4" Pilaster, Add	5.84	
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Steel Core Pilaster, Add	70.74	
10 21 13 16-0057 EA 8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	103.97	13.15
For 1-1/4" Pilaster, Add	6.41	
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Steel Core Pilaster, Add	77.67	
10 21 13 16-0058 EA 10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	108.92	14.61
For 1-1/4" Pilaster, Add	6.57	
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Steel Core Pilaster, Add	79.69	
10 21 13 16-0059 EA 12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	118.48	16.08
For 1-1/4" Pilaster, Add	7.12	
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Steel Core Pilaster, Add	86.33	
10 21 13 16-0060 EA 18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	149.69	17.54
For 1-1/4" Pilaster, Add	9.46	
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Steel Core Pilaster, Add	114.62	
10 21 13 16-0061 EA 22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	180.34	18.99
For 1-1/4" Pilaster, Add	11.74	
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Steel Core Pilaster, Add	142.34	
10 21 13 16-0062 EA 24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	202.02	20.46
For 1-1/4" Pilaster, Add	13.29	
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For Steel Core Pilaster, Add	161.11	
10 21 13 16-0063 83" Long, Laminated Plastic, Toilet Partition Pilasters (10 21 13 16-0032)		



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0064 EA Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	151.80 11.08 25.12 134.26	8.77
10 21 13 16-0065 EA 5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	168.00 12.17 25.12 147.54	10.23
10 21 13 16-0066 EA 6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	170.92 12.17 25.12 147.54	11.69
10 21 13 16-0067 EA 8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	185.10 13.10 25.12 158.80	13.15
10 21 13 16-0068 EA 10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	202.18 14.27 25.12 172.95	14.61
10 21 13 16-0069 EA 12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	216.07 15.17 25.12 183.92	16.08
10 21 13 16-0070 EA 18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	267.93 19.21 25.12 232.86	17.54
10 21 13 16-0071 EA 22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	304.78 22.01 25.12 266.78	18.99
10 21 13 16-0072 EA 24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	313.18 22.46 25.12 272.27	20.46

10 21 13 19 Plastic Toilet Compartments (10 21 13)

10 21 13 19-0001	Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens (10 21 13 19) Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0002	Recycled Solid Plastic (HDPE) Toilet Partitions (10 21 13 19-0001) Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0003	Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002) Note: Includes headrail.		
10 21 13 19-0004	EA 36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,050.17 -88.94 90.66 551.45	80.37
10 21 13 19-0005	EA 60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,296.10 90.66 696.68	86.22
10 21 13 19-0006	EA 60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,437.91 90.66 780.97	89.14
10 21 13 19-0007	Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002) Note: Excludes above ceiling steel.		
10 21 13 19-0008	EA 60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,045.70 -85.57 90.66 530.55	94.98
10 21 13 19-0009	EA 60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,313.40 90.66 689.28	100.83
10 21 13 19-0010	EA 60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,455.21 90.66 773.57	103.75

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0011 Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions ^(10 21 13 19-0002) Note: Excludes above ceiling steel.		
10 21 13 19-0012 EA 36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition.....	1,094.34	109.60
For >10, Deduct	-87.51	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
For NFPA Class A, Add	542.59	
10 21 13 19-0013 EA 60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,302.14	115.44
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
For NFPA Class A, Add	664.18	
10 21 13 19-0014 EA 60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,443.96	118.37
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
For NFPA Class A, Add	748.48	
10 21 13 19-0015 Recycled Solid Plastic (HDPE) Urinal Screens ^(10 21 13 19-0001) Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0016 Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens ^(10 21 13 19-0015)		
10 21 13 19-0017 EA 18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen.....	240.49	35.05
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	105.64	
10 21 13 19-0018 EA 24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen.....	253.05	37.98
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	109.80	
10 21 13 19-0019 Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens ^(10 21 13 19-0015)		
10 21 13 19-0020 EA 18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	307.55	37.98
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	143.59	
10 21 13 19-0021 EA 24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	390.58	40.89
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	191.45	
10 21 13 19-0022 EA 30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	434.44	43.82
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	215.02	
10 21 13 19-0023 Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens ^(10 21 13 19-0015)		
10 21 13 19-0024 EA 24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	313.39	40.89
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	143.59	
10 21 13 19-0025 EA 36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	396.42	43.82
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	191.45	
10 21 13 19-0026 EA 48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	471.80	46.74
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	234.56	
10 21 13 19-0027 Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters ^(10 21 13 19-0001) Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0028 Recycled Solid Plastic (HDPE), Toilet Partition Doors ^(10 21 13 19-0027)		
10 21 13 19-0029 EA 24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	252.31	11.69
For Heavy Gauge Full-Height SS Hinge, Add	40.42	
For NFPA Class A, Add	141.94	
10 21 13 19-0030 EA 26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	273.15	11.69
For Heavy Gauge Full-Height SS Hinge, Add	40.42	
For NFPA Class A, Add	154.86	
10 21 13 19-0031 EA 30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	296.75	13.15
For Heavy Gauge Full-Height SS Hinge, Add	40.42	
For NFPA Class A, Add	167.68	
10 21 13 19-0032 EA 34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	338.91	13.15
For Heavy Gauge Full-Height SS Hinge, Add	40.42	
For NFPA Class A, Add	193.82	
10 21 13 19-0033 EA 36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	348.89	13.15
For Heavy Gauge Full-Height SS Hinge, Add	40.42	
For NFPA Class A, Add	200.01	
10 21 13 19-0034 Recycled Solid Plastic (HDPE), Toilet Partition Panels ^(10 21 13 19-0027)		
10 21 13 19-0035 EA 6" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	85.81	17.54
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	31.46	
10 21 13 19-0036 EA 12" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	139.49	18.99
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	62.92	



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0037 EA 18" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	193.13 25.12 94.38	20.46
10 21 13 19-0038 EA 24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	225.99 25.12 112.93	21.92
10 21 13 19-0039 EA 30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	274.46 25.12 141.17	23.38
10 21 13 19-0040 EA 36" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	293.30 25.12 151.04	24.85
10 21 13 19-0041 EA 42" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	329.69 25.12 171.79	26.30
10 21 13 19-0042 EA 48" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	372.19 25.12 196.33	27.76
10 21 13 19-0043 EA 55" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	406.80 25.12 215.98	29.23
10 21 13 19-0044 EA 58" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	415.65 25.12 220.74	29.81
10 21 13 19-0045 EA 60" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	429.67 25.12 228.35	30.69
10 21 13 19-0046 EA 70" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	486.33 25.12 261.66	32.15
10 21 13 19-0047 EA 78" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	524.42 25.12 283.46	33.61
10 21 13 19-0048 82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0027)</small>		
10 21 13 19-0049 EA Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	115.29 25.12 60.61	8.77
10 21 13 19-0050 EA 5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	128.01 25.12 66.68	10.23
10 21 13 19-0051 EA 6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	139.01 25.12 71.69	11.69
10 21 13 19-0052 EA 8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	149.16 25.12 76.17	13.15
10 21 13 19-0053 EA 10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	167.52 25.12 85.74	14.61
10 21 13 19-0054 EA 12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	185.86 25.12 95.30	16.08
10 21 13 19-0055 EA 18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	256.49 25.12 137.28	17.54
10 21 13 19-0056 EA 22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	290.21 25.12 156.37	18.99
10 21 13 19-0057 EA 24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	316.04 25.12 170.58	20.46
10 21 13 19-0058 96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0027)</small>		
10 21 13 19-0059 EA Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	140.45 25.12 72.58	11.69
10 21 13 19-0060 EA 5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	154.52 25.12 79.50	13.15
10 21 13 19-0061 EA 6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	170.16 25.12 87.38	14.61
10 21 13 19-0062 EA 8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	192.95 25.12 99.70	16.08
10 21 13 19-0063 EA 10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	215.95 25.12 112.15	17.54
10 21 13 19-0064 EA 12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	238.75 25.12 124.47	18.99

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0065 EA 18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	307.14 25.12 165.06	20.46
10 21 13 19-0066 EA 22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	343.96 25.12 186.07	21.92
10 21 13 19-0067 EA 24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	374.17 25.12 202.99	23.38
10 21 13 19-0068 Antimicrobial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0069 Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partitions <small>(10 21 13 19-0068)</small> Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0070 Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0069)</small> Note: Includes headrail.		
10 21 13 19-0071 EA 36" x 60", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,361.47 -120.07 90.66 744.45	80.37
10 21 13 19-0072 EA 60" x 60", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,689.40 90.66 940.52	86.22
10 21 13 19-0073 EA 60" x 78", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,878.79 90.66 1,054.32	89.14
10 21 13 19-0074 Floor And Ceiling Anchored, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0069)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0075 EA 36" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,345.21 -115.52 90.66 716.25	94.98
10 21 13 19-0076 EA 60" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,702.50 90.66 930.52	100.83
10 21 13 19-0077 EA 60" x 78", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,891.90 90.66 1,044.32	103.75
10 21 13 19-0078 Ceiling Hung, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0069)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0079 EA 36" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,400.64 -118.14 90.66 732.49	109.60
10 21 13 19-0080 EA 60" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,677.07 90.66 896.64	115.44
10 21 13 19-0081 EA 60" x 78", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,866.48 90.66 1,010.44	118.37
10 21 13 19-0082 Antimicrobial Recycled Solid Plastic (HDPE) Urinal Screens <small>(10 21 13 19-0068)</small> Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0083 Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0082)</small>		
10 21 13 19-0084 EA 18" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	300.12 25.12 142.61	35.05



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0085 EA 24" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	312.85 25.12 146.88	37.98
10 21 13 19-0086 Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0082)</small>		
10 21 13 19-0087 EA 18" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	492.82 25.12 258.46	37.98
10 21 13 19-0088 EA 24" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	561.36 25.12 297.33	40.89
10 21 13 19-0089 EA 30" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	598.38 25.12 316.67	43.82
10 21 13 19-0090 Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0082)</small>		
10 21 13 19-0091 EA 24" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	394.44 25.12 193.84	40.89
10 21 13 19-0092 EA 36" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	504.50 25.12 258.46	43.82
10 21 13 19-0093 EA 48" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	604.22 25.12 316.67	46.74
10 21 13 19-0094 Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0088)</small>		
Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0095 Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Doors <small>(10 21 13 19-0094)</small>		
10 21 13 19-0096 EA 24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	332.44 40.42 191.62	11.69
10 21 13 19-0097 EA 26" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	360.57 40.42 209.06	11.69
10 21 13 19-0098 EA 30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	391.40 40.42 226.36	13.15
10 21 13 19-0099 EA 34" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	448.33 40.42 261.66	13.15
10 21 13 19-0100 EA 36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	461.79 40.42 270.00	13.15
10 21 13 19-0101 Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panels <small>(10 21 13 19-0094)</small>		
10 21 13 19-0102 EA 6" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	103.57 25.12 42.47	17.54
10 21 13 19-0103 EA 12" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	175.00 25.12 84.94	18.99
10 21 13 19-0104 EA 18" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	246.41 25.12 127.41	20.46
10 21 13 19-0105 EA 24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	289.73 25.12 152.45	21.92
10 21 13 19-0106 EA 30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	354.14 25.12 190.57	23.38
10 21 13 19-0107 EA 36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	378.56 25.12 203.91	24.85
10 21 13 19-0108 EA 42" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	426.67 25.12 231.92	26.30
10 21 13 19-0109 EA 48" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	483.02 25.12 265.04	27.76
10 21 13 19-0110 EA 55" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	528.72 25.12 291.57	29.23

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0111	EA		58" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	540.25	29.81
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	297.99	
10 21 13 19-0112	EA		60" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	558.57	30.69
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	308.26	
10 21 13 19-0113	EA		70" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	634.04	32.15
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	353.24	
10 21 13 19-0114	EA		78" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	684.44	33.61
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	382.68	
10 21 13 19-0115			82" Long, Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition		
			Pilasters <small>(10 21 13 19-0094)</small>		
10 21 13 19-0116	EA		Up To 4" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	149.50	8.77
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	81.82	
10 21 13 19-0117	EA		5" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	165.65	10.23
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	90.02	
10 21 13 19-0118	EA		6" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	179.48	11.69
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	96.78	
10 21 13 19-0119	EA		8" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	207.24	13.15
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	112.18	
10 21 13 19-0120	EA		10" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	232.91	14.61
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	126.28	
10 21 13 19-0121	EA		12" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	258.53	16.08
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	140.36	
10 21 13 19-0122	EA		18" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	333.98	17.54
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	185.32	
10 21 13 19-0123	EA		22" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	378.48	18.99
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	211.10	
10 21 13 19-0124	EA		24" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	412.34	20.46
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	230.29	
10 21 13 19-0125			96" To 120", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition		
			Pilasters <small>(10 21 13 19-0094)</small>		
10 21 13 19-0126	EA		Up To 4" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	181.43	11.69
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	97.99	
10 21 13 19-0127	EA		5" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	199.40	13.15
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	107.32	
10 21 13 19-0128	EA		6" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	219.50	14.61
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	117.97	
10 21 13 19-0129	EA		8" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	249.23	16.08
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	134.59	
10 21 13 19-0130	EA		10" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	279.27	17.54
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	151.40	
10 21 13 19-0131	EA		12" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	309.01	18.99
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	168.03	
10 21 13 19-0132	EA		18" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	400.33	20.46
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	222.84	
10 21 13 19-0133	EA		22" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	449.00	21.92
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	251.20	
10 21 13 19-0134	EA		24" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	488.76	23.38
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	274.03	
10 21 13 19-0135			Solid Phenolic Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small>		
			Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.		



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0136 Solid Phenolic Toilet Partitions <small>(10 21 13 19-0135)</small> Note: Includes all standard Bobrick colors.		
10 21 13 19-0137 Floor Anchored, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small>		
10 21 13 19-0138 EA 36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition.....	858.82	65.76
For >10, Deduct	-72.73	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
For NFPA Class A, Add	159.31	
10 21 13 19-0139 EA 60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,051.82	71.60
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
For NFPA Class A, Add	197.97	
10 21 13 19-0140 EA 60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,172.59	74.53
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
For NFPA Class A, Add	222.39	
10 21 13 19-0141 Overhead Braced, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small> Note: Includes headrail.		
10 21 13 19-0142 EA 36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition.....	956.03	80.37
For >10, Deduct	-79.53	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
For NFPA Class A, Add	175.05	
10 21 13 19-0143 EA 60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,156.62	86.22
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
For NFPA Class A, Add	215.30	
10 21 13 19-0144 EA 60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,283.17	89.14
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
For NFPA Class A, Add	240.94	
10 21 13 19-0145 Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0146 EA 36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition.....	991.47	94.98
For >10, Deduct	-80.15	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
For NFPA Class A, Add	177.81	
10 21 13 19-0147 EA 60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,190.66	100.83
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
For NFPA Class A, Add	217.77	
10 21 13 19-0148 EA 60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,311.42	103.75
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
For NFPA Class A, Add	242.20	
10 21 13 19-0149 Ceiling Hung, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0150 EA 36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition.....	983.61	109.60
For >10, Deduct	-76.44	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
For NFPA Class A, Add	171.49	
10 21 13 19-0151 EA 60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,176.47	115.44
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
For NFPA Class A, Add	210.12	
10 21 13 19-0152 EA 60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,297.24	118.37
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	90.66	
For NFPA Class A, Add	234.54	
10 21 13 19-0153 Solid Phenolic Urinal Screens <small>(10 21 13 19-0135)</small> Note: Includes all standard Bobrick colors.		
10 21 13 19-0154 Floor Anchored, Solid Phenolic, Urinal Screens <small>(10 21 13 19-0153)</small>		
10 21 13 19-0155 EA 24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen.....	318.83	40.89
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	53.87	
10 21 13 19-0156 EA 36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen.....	359.61	43.82
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	61.50	
10 21 13 19-0157 EA 48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen.....	429.26	46.74
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	75.19	
10 21 13 19-0158 Wall Hung, Solid Phenolic, Urinal Screens <small>(10 21 13 19-0153)</small>		
10 21 13 19-0159 EA 18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen.....	206.96	35.05
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	32.25	

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0160	EA		24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	238.79 25.12 37.99	37.98
10 21 13 19-0161	EA		30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	285.38 25.12 46.84	40.89
10 21 13 19-0162			Wall Hung And Post Supported, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13 19-0163	EA		18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	211.03 25.12 32.16	37.98
10 21 13 19-0164	EA		24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	261.89 25.12 41.91	40.89
10 21 13 19-0165	EA		30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	304.75 25.12 49.98	43.82
10 21 13 19-0166			Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13 19-0167	EA		22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	326.66 25.12 56.45	37.98
10 21 13 19-0168	EA		36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	367.67 25.12 64.12	40.89
10 21 13 19-0169	EA		48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	438.63 25.12 78.09	43.82
10 21 13 19-0170			Solid Phenolic Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0135) Note: Includes all standard Bobrick colors.		
10 21 13 19-0171			Solid Phenolic, Toilet Partition Doors (10 21 13 19-0170)		
10 21 13 19-0172	EA		24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	230.68 40.42 44.70	11.69
10 21 13 19-0173	EA		26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	238.48 40.42 46.34	11.69
10 21 13 19-0174	EA		30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	261.40 40.42 50.69	13.15
10 21 13 19-0175	EA		34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	281.73 40.42 54.96	13.15
10 21 13 19-0176	EA		36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	302.61 40.42 59.34	13.15
10 21 13 19-0177			Solid Phenolic, Toilet Partition Panels (10 21 13 19-0170)		
10 21 13 19-0178	EA		6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	78.27 25.12 10.83	17.54
10 21 13 19-0179	EA		12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	102.79 25.12 15.51	18.99
10 21 13 19-0180	EA		18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	138.08 25.12 22.45	20.46
10 21 13 19-0181	EA		24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	173.77 25.12 29.48	21.92
10 21 13 19-0182	EA		30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	193.40 25.12 33.13	23.38
10 21 13 19-0183	EA		36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	213.96 25.12 36.98	24.85
10 21 13 19-0184	EA		42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	248.72 25.12 43.81	26.30
10 21 13 19-0185	EA		48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	284.49 25.12 50.86	27.76
10 21 13 19-0186	EA		55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	303.29 25.12 54.34	29.23
10 21 13 19-0187	EA		58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	311.68 25.12 55.91	29.81



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 19-0188	EA	60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	317.77 25.12 56.91	30.69
10 21	13 19-0189	EA	70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	364.57 25.12 66.27	32.15
10 21	13 19-0190	EA	78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	438.52 25.12 81.33	33.61
10 21 13 19-0191 69" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)					
10 21	13 19-0192	EA	Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	110.80 11.66 25.12 20.46	8.77
10 21	13 19-0193	EA	5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	127.58 13.39 25.12 23.52	10.23
10 21	13 19-0194	EA	6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	130.50 13.39 25.12 23.66	11.69
10 21	13 19-0195	EA	8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	151.03 15.59 25.12 27.51	13.15
10 21	13 19-0196	EA	10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	169.84 17.58 25.12 30.99	14.61
10 21	13 19-0197	EA	12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	188.64 19.56 25.12 34.47	16.08
10 21	13 19-0198	EA	16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	240.35 25.66 25.12 44.86	17.54
10 21	13 19-0199	EA	20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	294.39 32.05 25.12 55.74	18.99
10 21	13 19-0200	EA	24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	309.42 33.56 25.12 58.43	20.46
10 21 13 19-0201 83" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)					
10 21	13 19-0202	EA	Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	121.19 12.96 25.12 22.64	8.77
10 21	13 19-0203	EA	5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	142.01 15.19 25.12 26.55	10.23
10 21	13 19-0204	EA	6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	144.93 15.19 25.12 26.69	11.69
10 21	13 19-0205	EA	8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	167.78 17.69 25.12 31.03	13.15
10 21	13 19-0206	EA	10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	189.47 20.03 25.12 35.11	14.61
10 21	13 19-0207	EA	12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	211.31 22.40 25.12 39.23	16.08
10 21	13 19-0208	EA	16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	274.13 29.88 25.12 51.96	17.54
10 21	13 19-0209	EA	20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	326.01 36.00 25.12 62.38	18.99

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0210	EA		24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	343.07	20.46
			<i>For 1" Pilaster, Add</i>	37.77	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	65.50	
10 21 13 19-0211			96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters <small>(10 21 13 19-0170)</small>		
10 21 13 19-0212	EA		Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	137.43	11.69
			<i>For 1" Pilaster, Add</i>	14.26	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	25.12	
10 21 13 19-0213	EA		5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	162.29	13.15
			<i>For 1" Pilaster, Add</i>	17.00	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	29.87	
10 21 13 19-0214	EA		6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	165.22	14.61
			<i>For 1" Pilaster, Add</i>	17.00	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	30.02	
10 21 13 19-0215	EA		8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	190.37	16.08
			<i>For 1" Pilaster, Add</i>	19.78	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	34.83	
10 21 13 19-0216	EA		10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	214.95	17.54
			<i>For 1" Pilaster, Add</i>	22.49	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	39.53	
10 21 13 19-0217	EA		12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	239.82	18.99
			<i>For 1" Pilaster, Add</i>	25.23	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	44.28	
10 21 13 19-0218	EA		16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	313.76	20.46
			<i>For 1" Pilaster, Add</i>	34.11	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	59.34	
10 21 13 19-0219	EA		20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	363.46	21.92
			<i>For 1" Pilaster, Add</i>	39.95	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	69.31	
10 21 13 19-0220	EA		24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	382.56	23.38
			<i>For 1" Pilaster, Add</i>	41.97	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	72.85	
10 21 13 19-0221			Solid Color Reinforced Composite Toilet Partitions And Urinal Screens <small>(10 21 13 19-0221)</small>		
			Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid color reinforced composite core with a high pressure decorative matte surface finish as an integral part of the core material.		
10 21 13 19-0222			Solid Color Reinforced Composite Toilet Partitions <small>(10 21 13 19-0221)</small>		
			Note: Includes all standard Bobrick colors.		
10 21 13 19-0223			Floor Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions <small>(10 21 13 19-0222)</small>		
10 21 13 19-0224	EA		36" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	946.09	65.76
			<i>For >10, Deduct</i>	-81.46	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0225	EA		60" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,160.85	71.60
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0226	EA		60" x 78", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,295.41	74.53
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0227			Overhead Braced, Solid Color Reinforced Composite, Complete Toilet Partitions <small>(10 21 13 19-0222)</small>		
			Note: Includes headrail.		
10 21 13 19-0228	EA		36" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	1,051.46	80.37
			<i>For >10, Deduct</i>	-89.07	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0229	EA		60" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,274.73	86.22
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0230	EA		60" x 78", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,415.76	89.14
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0231 Floor And Ceiling Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions <small>(10 21 13 19-0222)</small>		
<i>Note: Excludes above ceiling steel.</i>		
10 21 13 19-0232 EA 36" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	1,087.65	94.98
<i>For >10, Deduct</i>	-89.77	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0233 EA 60" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,309.34	100.83
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0234 EA 60" x 78", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,443.89	103.75
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0235 Ceiling Hung, Solid Color Reinforced Composite, Complete Toilet Partitions <small>(10 21 13 19-0222)</small>		
<i>Note: Excludes above ceiling steel.</i>		
10 21 13 19-0236 EA 36" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	1,075.33	109.60
<i>For >10, Deduct</i>	-85.61	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0237 EA 60" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,289.94	115.44
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0238 EA 60" x 78", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,424.50	118.37
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0239 Solid Color Reinforced Composite Urinal Screens <small>(10 21 13 19-0221)</small>		
<i>Note: Includes all standard Bobrick colors.</i>		
10 21 13 19-0240 Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screens <small>(10 21 13 19-0239)</small>		
10 21 13 19-0241 EA 24" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	347.28	40.89
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0242 EA 36" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	392.25	43.82
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0243 EA 48" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	469.55	46.74
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0244 Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screens <small>(10 21 13 19-0239)</small>		
10 21 13 19-0245 EA 18" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	223.38	35.05
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0246 EA 24" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	258.33	37.98
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0247 EA 30" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	309.81	40.89
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0248 Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screens <small>(10 21 13 19-0239)</small>		
10 21 13 19-0249 EA 18" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partitiion Urinal Screen.....	227.24	37.98
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0250 EA 24" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	283.50	40.89
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0251 EA 30" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	330.81	43.82
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0252 Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screens <small>(10 21 13 19-0239)</small>		
10 21 13 19-0253 EA 22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	356.74	37.98
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0254 EA 36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	401.98	40.89
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0255 EA 48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	480.75	43.82
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0256 Solid Color Reinforced Composite Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0221)</small>		
<i>Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0001 for other accessories.</i>		
10 21 13 19-0257 Solid Color Reinforced Composite, Toilet Partition Doors <small>(10 21 13 19-0256)</small>		

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0258	EA		24" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	255.56 40.42	11.69
10 21 13 19-0259	EA		26" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	264.29 40.42	11.69
10 21 13 19-0260	EA		30" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	289.62 40.42	13.15
10 21 13 19-0261	EA		34" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	312.38 40.42	13.15
10 21 13 19-0262	EA		36" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	335.77 40.42	13.15
10 21 13 19-0263 Solid Color Reinforced Composite, Toilet Partition Panels <small>(10 21 13 19-0256)</small>					
10 21 13 19-0264	EA		6" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	83.46 25.12	17.54
10 21 13 19-0265	EA		12" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	110.56 25.12	18.99
10 21 13 19-0266	EA		18" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	149.74 25.12	20.46
10 21 13 19-0267	EA		24" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	189.36 25.12	21.92
10 21 13 19-0268	EA		30" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	210.99 25.12	23.38
10 21 13 19-0269	EA		36" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	233.68 25.12	24.85
10 21 13 19-0270	EA		42" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	272.26 25.12	26.30
10 21 13 19-0271	EA		48" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	311.96 25.12	27.76
10 21 13 19-0272	EA		55" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	332.67 25.12	29.23
10 21 13 19-0273	EA		58" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	341.92 25.12	29.81
10 21 13 19-0274	EA		60" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	348.53 25.12	30.69
10 21 13 19-0275	EA		70" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	400.61 25.12	32.15
10 21 13 19-0276	EA		78" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	483.08 25.12	33.61
10 21 13 19-0277 69" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters <small>(10 21 13 19-0256)</small>					
10 21 13 19-0278	EA		Up To 4" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i>	121.99 13.06 25.12	8.77
10 21 13 19-0279	EA		5" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i>	140.43 15.00 25.12	10.23
10 21 13 19-0280	EA		6" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i>	143.35 15.00 25.12	11.69
10 21 13 19-0281	EA		8" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i>	166.00 17.46 25.12	13.15
10 21 13 19-0282	EA		10" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i>	186.71 19.69 25.12	14.61
10 21 13 19-0283	EA		12" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i>	207.42 21.91 25.12	16.08
10 21 13 19-0284	EA		16" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i>	264.99 28.74 25.12	17.54
10 21 13 19-0285	EA		20" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i>	325.15 35.89 25.12	18.99
10 21 13 19-0286	EA		24" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i>	341.65 37.59 25.12	20.46
10 21 13 19-0287 83" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters <small>(10 21 13 19-0256)</small>					
10 21 13 19-0288	EA		Up To 4" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i>	133.63 14.51 25.12	8.77
10 21 13 19-0289	EA		5" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i>	156.60 17.02 25.12	10.23
10 21 13 19-0290	EA		6" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i>	159.52 17.02 25.12	11.69



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0291 EA 8" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	184.75 19.81 25.12	13.15
10 21 13 19-0292 EA 10" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	208.70 22.43 25.12	14.61
10 21 13 19-0293 EA 12" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	232.81 25.08 25.12	16.08
10 21 13 19-0294 EA 16" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	302.82 33.47 25.12	17.54
10 21 13 19-0295 EA 20" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	360.57 40.32 25.12	18.99
10 21 13 19-0296 EA 24" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	379.33 42.30 25.12	20.46
10 21 13 19-0297 96" To 120" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters <small>(10 21 13 19-0256)</small>		
10 21 13 19-0298 EA Up To 4" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	151.11 15.97 25.12	11.69
10 21 13 19-0299 EA 5" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	178.61 19.04 25.12	13.15
10 21 13 19-0300 EA 6" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	181.54 19.04 25.12	14.61
10 21 13 19-0301 EA 8" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	209.36 22.15 25.12	16.08
10 21 13 19-0302 EA 10" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	236.53 25.18 25.12	17.54
10 21 13 19-0303 EA 12" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	264.04 28.26 25.12	18.99
10 21 13 19-0304 EA 16" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	346.50 38.20 25.12	20.46
10 21 13 19-0305 EA 20" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	401.81 44.75 25.12	21.92
10 21 13 19-0306 EA 24" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	422.85 47.01 25.12	23.38
10 21 13 19-0307 Solid Polyester (Corian) Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.		
10 21 13 19-0308 Solid Polyester (Corian) Toilet Partitions <small>(10 21 13 19-0307)</small> Note: Small particulate finish.		
10 21 13 19-0309 Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0308)</small>		
10 21 13 19-0310 EA 36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,750.91 -261.94 -602.46 90.66	65.76
10 21 13 19-0311 EA 60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	3,325.86 -732.01 90.66	71.60
10 21 13 19-0312 EA 60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	3,690.61 -814.56 90.66	74.53
10 21 13 19-0313 Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0308)</small>		
10 21 13 19-0314 EA 36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,851.48 -269.07 -618.87 90.66	80.37

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0315	EA		60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,755.49	86.22
			<i>For Solid Color Material (No Particulate), Deduct</i>	-824.10	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0316	EA		60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,160.41	89.14
			<i>For Solid Color Material (No Particulate), Deduct</i>	-915.89	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0317			Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0306)</small>		
			Note: Excludes above ceiling steel.		
10 21 13 19-0318	EA		36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	3,191.93	94.98
			<i>For >10, Deduct</i>	-300.20	
			<i>For Solid Color Material (No Particulate), Deduct</i>	-690.45	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0319	EA		60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,299.66	100.83
			<i>For Solid Color Material (No Particulate), Deduct</i>	-942.54	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0320	EA		60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,704.26	103.75
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,034.25	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0321			Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0306)</small>		
			Note: Excludes above ceiling steel.		
10 21 13 19-0322	EA		36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	3,217.31	109.60
			<i>For >10, Deduct</i>	-299.81	
			<i>For Solid Color Material (No Particulate), Deduct</i>	-689.57	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0323	EA		60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,121.64	115.44
			<i>For Solid Color Material (No Particulate), Deduct</i>	-894.87	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0324	EA		60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,526.24	118.37
			<i>For Solid Color Material (No Particulate), Deduct</i>	-986.59	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0325			Solid Polyester (Corian) Urinal Screens <small>(10 21 13 19-0307)</small>		
10 21 13 19-0326			Floor Anchored, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0325)</small>		
10 21 13 19-0327	EA		24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	748.06	40.89
			<i>For Solid Color Material (No Particulate), Deduct</i>	-153.24	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0328	EA		36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	993.17	43.82
			<i>For Solid Color Material (No Particulate), Deduct</i>	-208.27	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0329	EA		48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	1,238.27	46.74
			<i>For Solid Color Material (No Particulate), Deduct</i>	-263.30	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0330			Wall Hung, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0325)</small>		
10 21 13 19-0331	EA		18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	376.12	35.05
			<i>For Solid Color Material (No Particulate), Deduct</i>	-70.38	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0332	EA		24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	483.97	37.98
			<i>For Solid Color Material (No Particulate), Deduct</i>	-93.84	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0333	EA		30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	591.82	40.89
			<i>For Solid Color Material (No Particulate), Deduct</i>	-117.31	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0334			Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0325)</small>		
10 21 13 19-0335	EA		18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	495.72	37.98
			<i>For Solid Color Material (No Particulate), Deduct</i>	-96.55	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0336	EA		24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	621.19	40.89
			<i>For Solid Color Material (No Particulate), Deduct</i>	-124.06	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0337	EA		30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	746.66	43.82
			<i>For Solid Color Material (No Particulate), Deduct</i>	-151.58	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0338			Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0325)</small>		



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0339 EA 22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	768.30 -159.24 25.12	37.98
10 21 13 19-0340 EA 34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,013.40 -214.27 25.12	40.89
10 21 13 19-0341 EA 46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,258.50 -269.30 25.12	43.82
10 21 13 19-0342 Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0307)</small>		
10 21 13 19-0343 Solid Polyester (Corian), Toilet Partition Doors <small>(10 21 13 19-0342)</small>		
10 21 13 19-0344 EA 24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	601.59 -132.99 40.42	11.69
10 21 13 19-0345 EA 26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	642.91 -142.49 40.42	11.69
10 21 13 19-0346 EA 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	733.23 -162.59 40.42	13.15
10 21 13 19-0347 EA 34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	818.51 -182.21 40.42	13.15
10 21 13 19-0348 EA 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	855.62 -190.74 40.42	13.15
10 21 13 19-0349 Solid Polyester (Corian), Toilet Partition Panels <small>(10 21 13 19-0342)</small>		
10 21 13 19-0350 EA 6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	154.69 -27.51 25.12	17.54
10 21 13 19-0351 EA 12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	277.26 -55.03 25.12	18.99
10 21 13 19-0352 EA 18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	399.80 -82.54 25.12	20.46
10 21 13 19-0353 EA 24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	522.36 -110.06 25.12	21.92
10 21 13 19-0354 EA 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	644.92 -137.57 25.12	23.38
10 21 13 19-0355 EA 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	767.45 -165.09 25.12	24.85
10 21 13 19-0356 EA 42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	890.02 -192.60 25.12	26.30
10 21 13 19-0357 EA 48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,012.56 -220.12 25.12	27.76
10 21 13 19-0358 EA 55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,155.05 -252.22 25.12	29.23
10 21 13 19-0359 EA 58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,216.05 -265.98 25.12	29.81
10 21 13 19-0360 EA 60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,257.67 -275.15 25.12	30.69
10 21 13 19-0361 EA 70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,459.97 -321.00 25.12	32.15
10 21 13 19-0362 EA 78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,622.40 -357.69 25.12	33.61
10 21 13 19-0363 72" Long, Solid Polyester (Corian), Toilet Partition Pilasters <small>(10 21 13 19-0342)</small>		
10 21 13 19-0364 EA Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	205.29 -43.18 25.12	8.77
10 21 13 19-0365 EA 5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	255.15 -53.98 25.12	10.23
10 21 13 19-0366 EA 6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	305.01 -64.77 25.12	11.69

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0367	EA		8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	401.82 -86.37 25.12	13.15
10 21 13 19-0368	EA		10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	498.62 -107.96 25.12	14.61
10 21 13 19-0369	EA		12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	595.42 -129.55 25.12	16.08
10 21 13 19-0370	EA		18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	879.96 -194.32 25.12	17.54
10 21 13 19-0371	EA		22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,070.66 -237.51 25.12	18.99
10 21 13 19-0372	EA		24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,167.44 -259.10 25.12	20.46
10 21 13 19-0373			82" Long, Solid Polyester (Corian), Toilet Partition Pilasters <small>(10 21 13 19-0342)</small>		
10 21 13 19-0374	EA		Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	231.37 -49.18 25.12	8.77
10 21 13 19-0375	EA		5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	287.76 -61.48 25.12	10.23
10 21 13 19-0376	EA		6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	338.02 -72.37 25.12	11.69
10 21 13 19-0377	EA		8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	462.12 -100.24 25.12	13.15
10 21 13 19-0378	EA		10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	563.81 -122.95 25.12	14.61
10 21 13 19-0379	EA		12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	673.64 -147.54 25.12	16.08
10 21 13 19-0380	EA		18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	997.31 -221.32 25.12	17.54
10 21 13 19-0381	EA		22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,214.09 -270.50 25.12	18.99
10 21 13 19-0382	EA		24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,323.91 -295.09 25.12	20.46
10 21 13 19-0383			96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters <small>(10 21 13 19-0342)</small>		
10 21 13 19-0384	EA		Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	305.01 -64.77 25.12	11.69
10 21 13 19-0385	EA		5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	378.34 -80.97 25.12	13.15
10 21 13 19-0386	EA		6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	451.68 -97.16 25.12	14.61
10 21 13 19-0387	EA		8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	595.42 -129.55 25.12	16.08
10 21 13 19-0388	EA		10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	739.15 -161.94 25.12	17.54
10 21 13 19-0389	EA		12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	882.89 -194.32 25.12	18.99
10 21 13 19-0390	EA		18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,308.26 -291.49 25.12	20.46
10 21 13 19-0391	EA		22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,592.83 -356.27 25.12	21.92
10 21 13 19-0392	EA		24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,736.57 -388.65 25.12	23.38
10 21 13 43			Compartments and Cubicles Common Accessories <small>(10 21 13)</small>		
10 21 13 43-0001			Accessories <small>(10 21 13 43)</small>		
10 21 13 43-0002	LF		Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens.....	8.04	1.17



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 43-0003	LF	Stainless Steel Headrails For Toilet Partitions And Urinal Screens	12.27	1.17
10 21	13 43-0004	EA	Replacement 1-1/2" x 58" Stainless Steel Wall Posts.....	83.73	
10 21	13 43-0005	EA	Replacement 58" Aluminum Wall U Bracket.....	42.01	
10 21	13 43-0006	EA	Replacement 58" Aluminum Wall Two Ear Bracket	70.17	
10 21	13 43-0007	EA	Replacement 54" Stainless Steel Wall U Bracket.....	63.32	
10 21	13 43-0008	EA	Replacement 54" Stainless Steel Wall Two Ear Bracket	159.30	
10 21	13 43-0009	EA	Replacement 54" Plastic Wall Two Ear Bracket, All Colors	95.56	
10 21	13 43-0010	EA	Replacement 57-1/2" Stainless Steel Hinge	98.90	

10 21 16 Shower And Dressing Compartments (10 21)

10 21 16 17 Phenolic-Core Shower and Dressing Compartments (10 21 16)

10 21 16 17-0001 Shower Dividers (10 21 16 17)

10 21 16 17-0002 Solid Phenolic Core Laminated Plastic, Shower Dividers (10 21 16 17-0001)

Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.

10 21 16 17-0003	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	602.38	73.07
		<i>For 66" High Panels, Add</i>	68.44	
10 21 16 17-0004	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	766.16	78.91
		<i>For 66" High Panels, Add</i>	91.25	
10 21 16 17-0005	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,000.96	87.68
		<i>For 66" High Panels, Add</i>	123.84	
10 21 16 17-0006	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,182.25	102.29
		<i>For 66" High Panels, Add</i>	146.65	
10 21 16 17-0007	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,363.57	116.90
		<i>For 66" High Panels, Add</i>	169.46	

10 21 16 17-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track (10 21 16 17-0001)

Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Headrail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in headrail.

10 21 16 17-0009	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	1,487.96	128.42
		<i>For 66" High Panels, Add</i>	210.35	
		<i>For 6" Wide Head Rail, Add</i>	39.50	
		<i>For 8" Wide Head Rail, Add</i>	54.38	
		<i>For 10" Wide Head Rail, Add</i>	66.69	
		<i>For 12" Wide Head Rail, Add</i>	80.29	
		<i>For 18" Wide, 1/2" Thick Bench, Add</i>	110.68	
		<i>For 24" Wide, 1/2" Thick Bench, Add</i>	150.68	
10 21 16 17-0010	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	1,849.57	140.23
		<i>For 66" High Panels, Add</i>	263.41	
		<i>For 6" Wide Head Rail, Add</i>	49.88	
		<i>For 8" Wide Head Rail, Add</i>	68.37	
		<i>For 10" Wide Head Rail, Add</i>	84.06	
		<i>For 12" Wide Head Rail, Add</i>	101.16	
		<i>For 18" Wide, 1/2" Thick Bench, Add</i>	113.05	
		<i>For 24" Wide, 1/2" Thick Bench, Add</i>	153.05	
10 21 16 17-0011	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,350.12	149.11
		<i>For 66" High Panels, Add</i>	337.61	
		<i>For 6" Wide Head Rail, Add</i>	64.54	
		<i>For 8" Wide Head Rail, Add</i>	88.04	
		<i>For 10" Wide Head Rail, Add</i>	108.56	
		<i>For 12" Wide Head Rail, Add</i>	130.57	
		<i>For 18" Wide, 1/2" Thick Bench, Add</i>	114.82	
		<i>For 24" Wide, 1/2" Thick Bench, Add</i>	154.82	
10 21 16 17-0012	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,506.24	166.82
		<i>For 66" High Panels, Add</i>	359.25	
		<i>For 6" Wide Head Rail, Add</i>	68.51	
		<i>For 8" Wide Head Rail, Add</i>	93.58	
		<i>For 10" Wide Head Rail, Add</i>	115.30	
		<i>For 12" Wide Head Rail, Add</i>	138.70	
		<i>For 18" Wide, 1/2" Thick Bench, Add</i>	118.36	
		<i>For 24" Wide, 1/2" Thick Bench, Add</i>	158.36	
10 21 16 17-0013	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,873.16	181.32
		<i>For 66" High Panels, Add</i>	412.84	
		<i>For 6" Wide Head Rail, Add</i>	78.94	
		<i>For 8" Wide Head Rail, Add</i>	107.67	
		<i>For 10" Wide Head Rail, Add</i>	132.78	
		<i>For 12" Wide Head Rail, Add</i>	159.70	
		<i>For 18" Wide, 1/2" Thick Bench, Add</i>	121.26	
		<i>For 24" Wide, 1/2" Thick Bench, Add</i>	161.26	

10 26 Wall And Door Protection (10 20)

10 26 13 Corner Guards (10 26)

10 26 13 00-0001	Vinyl Corner Guards (10 26 13)
10 26 13 00-0002	Rigid Vinyl Corner Guards (10 26 13 00-0001)

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0003 Surface Mounted, Rigid Vinyl Corner Guards <small>(10 26 13 00-0002)</small>		
10 26 13 00-0004 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards <small>(10 26 13 00-0003)</small>		
10 26 13 00-0005 LF 3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34)	4.71	1.76
For >50 To 100, Deduct	-0.73	
For >100 To 200, Deduct	-1.02	
For >200, Deduct	-1.40	
10 26 13 00-0006 LF 1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12)	5.14	1.76
For >50 To 100, Deduct	-0.73	
For >100 To 200, Deduct	-1.02	
For >200, Deduct	-1.43	
10 26 13 00-0007 LF 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13)	7.55	1.76
For >50 To 100, Deduct	-0.73	
For >100 To 200, Deduct	-1.02	
For >200, Deduct	-1.55	
10 26 13 00-0008 LF 4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14)	10.57	1.76
For >50 To 100, Deduct	-0.73	
For >100 To 200, Deduct	-1.02	
For >200, Deduct	-1.70	
10 26 13 00-0009 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards <small>(10 26 13 00-0003)</small>		
10 26 13 00-0010 LF 1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245)	10.03	1.76
For >50 To 100, Deduct	-0.73	
For >100 To 200, Deduct	-1.02	
For >200, Deduct	-1.67	
10 26 13 00-0011 Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0001)</small> Note: Includes closure caps.		
10 26 13 00-0012 Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0011)</small>		
10 26 13 00-0013 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small>		
10 26 13 00-0014 LF 2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20)	9.30	2.63
For >50 To 100, Deduct	-1.10	
For >100 To 200, Deduct	-1.53	
For >200, Deduct	-2.22	
For Recycled Vinyl Retainer, Deduct	-0.98	
10 26 13 00-0015 LF 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10)	10.64	2.63
For >50 To 100, Deduct	-1.10	
For >100 To 200, Deduct	-1.53	
For >200, Deduct	-2.28	
For Recycled Vinyl Retainer, Deduct	-1.25	
10 26 13 00-0016 LF Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30)	11.98	2.63
For >50 To 100, Deduct	-1.10	
For >100 To 200, Deduct	-1.53	
For >200, Deduct	-2.35	
For Recycled Vinyl Retainer, Deduct	-1.52	
10 26 13 00-0017 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small>		
10 26 13 00-0018 LF 3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135)	14.49	2.63
For >50 To 100, Deduct	-1.10	
For >100 To 200, Deduct	-1.53	
For >200, Deduct	-2.48	
For Recycled Vinyl Retainer, Deduct	-2.02	
10 26 13 00-0019 End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small> Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0020 LF 2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11)	30.84	3.51
For >50 To 100, Deduct	-1.46	
For >100 To 200, Deduct	-2.04	
For >200, Deduct	-3.88	
For Recycled Vinyl Retainer, Deduct	-5.00	
10 26 13 00-0021 Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0011)</small>		
10 26 13 00-0022 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small>		



Specialties	10	10
Interior Specialties	10 20	
Wall And Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0023 LF 2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72) 13.15		2.63
For >50 To 100, Deduct	-1.10	
For >100 To 200, Deduct	-1.53	
For >200, Deduct	-2.41	
For Up To 2 HR Fire Rated, Add	6.14	
10 26 13 00-0024 LF 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7) 16.34		2.63
For >50 To 100, Deduct	-1.10	
For >100 To 200, Deduct	-1.53	
For >200, Deduct	-2.57	
For Up To 2 HR Fire Rated, Add	8.37	
10 26 13 00-0025 LF Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32)..... 14.97		2.63
For >50 To 100, Deduct	-1.10	
For >100 To 200, Deduct	-1.53	
For >200, Deduct	-2.50	
For Up To 2 HR Fire Rated, Add	7.41	
10 26 13 00-0026 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0021)		
10 26 13 00-0027 LF 3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75) 17.69		2.63
For >50 To 100, Deduct	-1.10	
For >100 To 200, Deduct	-1.53	
For >200, Deduct	-2.64	
For Up To 2 HR Fire Rated, Add	9.32	
10 26 13 00-0028 End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0021)		
Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0029 LF 2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888) 38.84		3.51
For >50 To 100, Deduct	-1.46	
For >100 To 200, Deduct	-2.04	
For >200, Deduct	-4.28	
For Up To 2 HR Fire Rated, Add	23.10	
10 26 13 00-0030 Flexible Vinyl Corner Guards (10 26 13 00-0001)		
Note: Includes adhesive for installation.		
10 26 13 00-0031 Surface Mounted, Flexible Vinyl Corner Guards (10 26 13 00-0030)		
10 26 13 00-0032 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards (10 26 13 00-0031)		
10 26 13 00-0033 LF 1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9) 7.06		1.76
For >50 To 100, Deduct	-0.73	
For >100 To 200, Deduct	-1.02	
For >200, Deduct	-1.52	
For Bolting To Concrete Or Masonry, Add	1.50	
10 26 13 00-0034 LF 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3) 9.45		1.76
For >50 To 100, Deduct	-0.73	
For >100 To 200, Deduct	-1.02	
For >200, Deduct	-1.64	
For Bolting To Concrete Or Masonry, Add	1.86	
10 26 13 00-0035 LF 4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15) 11.39		1.76
For >50 To 100, Deduct	-0.73	
For >100 To 200, Deduct	-1.02	
For >200, Deduct	-1.74	
For Bolting To Concrete Or Masonry, Add	2.15	
10 26 13 00-0036 Polycarbonate Corner Guards (10 26 13)		
10 26 13 00-0037 Surface Mounted, Polycarbonate Corner Guards (10 26 13 00-0036)		
10 26 13 00-0038 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards (10 26 13 00-0037)		
10 26 13 00-0039 LF 3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16) 4.17		1.76
For >50 To 100, Deduct	-0.73	
For >100 To 200, Deduct	-1.02	
For >200, Deduct	-1.38	
10 26 13 00-0040 LF 1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17) 5.34		1.76
For >50 To 100, Deduct	-0.73	
For >100 To 200, Deduct	-1.02	
For >200, Deduct	-1.44	
10 26 13 00-0041 LF 2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24) 6.71		1.76
For >50 To 100, Deduct	-0.73	
For >100 To 200, Deduct	-1.02	
For >200, Deduct	-1.50	
10 26 13 00-0042 LF 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18) 7.53		1.76
For >50 To 100, Deduct	-0.73	
For >100 To 200, Deduct	-1.02	
For >200, Deduct	-1.54	

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0043	LF		Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23)	7.23	1.76
			<i>For >50 To 100, Deduct</i>	-0.73	
			<i>For >100 To 200, Deduct</i>	-1.02	
			<i>For >200, Deduct</i>	-1.53	
10 26 13 00-0044			135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0037)</small>		
10 26 13 00-0045	LF		2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19)	7.53	1.76
			<i>For >50 To 100, Deduct</i>	-0.73	
			<i>For >100 To 200, Deduct</i>	-1.02	
			<i>For >200, Deduct</i>	-1.54	
10 26 13 00-0046			Aluminum Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0047			Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0046)</small>		
10 26 13 00-0048			90 Degree Angle, Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0047)</small>		
10 26 13 00-0049	LF		1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400)	6.55	1.76
			<i>For >50 To 100, Deduct</i>	-0.73	
			<i>For >100 To 200, Deduct</i>	-1.02	
			<i>For >200, Deduct</i>	-1.50	
10 26 13 00-0050	LF		2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401)	8.13	1.76
			<i>For >50 To 100, Deduct</i>	-0.73	
			<i>For >100 To 200, Deduct</i>	-1.02	
			<i>For >200, Deduct</i>	-1.57	
10 26 13 00-0051	LF		3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402)	9.11	1.76
			<i>For >50 To 100, Deduct</i>	-0.73	
			<i>For >100 To 200, Deduct</i>	-1.02	
			<i>For >200, Deduct</i>	-1.62	
10 26 13 00-0052			135 Degree Angle, Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0047)</small>		
10 26 13 00-0053	LF		1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403)	6.55	1.76
			<i>For >50 To 100, Deduct</i>	-0.73	
			<i>For >100 To 200, Deduct</i>	-1.02	
			<i>For >200, Deduct</i>	-1.50	
10 26 13 00-0054	LF		2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404)	8.13	1.76
			<i>For >50 To 100, Deduct</i>	-0.73	
			<i>For >100 To 200, Deduct</i>	-1.02	
			<i>For >200, Deduct</i>	-1.57	
10 26 13 00-0055	LF		3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405)	9.11	1.76
			<i>For >50 To 100, Deduct</i>	-0.73	
			<i>For >100 To 200, Deduct</i>	-1.02	
			<i>For >200, Deduct</i>	-1.62	
10 26 13 00-0056			Steel Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0057			Steel Angle Iron, Corner Guards <small>(10 26 13 00-0056)</small>		
10 26 13 00-0058			Surface Mounted, Steel Angle Iron, Corner Guards <small>(10 26 13 00-0057)</small>		
10 26 13 00-0059			90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards <small>(10 26 13 00-0058)</small>		
10 26 13 00-0060	LF		1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	8.64	2.11
			<i>For Galvanizing, Add</i>	1.80	
			<i>For >50 To 100, Deduct</i>	-0.88	
			<i>For >100 To 200, Deduct</i>	-1.23	
			<i>For >200, Deduct</i>	-1.84	
10 26 13 00-0061	LF		2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	11.27	2.28
			<i>For Galvanizing, Add</i>	2.62	
			<i>For >50 To 100, Deduct</i>	-0.95	
			<i>For >100 To 200, Deduct</i>	-1.33	
			<i>For >200, Deduct</i>	-2.08	
10 26 13 00-0062	LF		2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	12.03	2.37
			<i>For Galvanizing, Add</i>	2.83	
			<i>For >50 To 100, Deduct</i>	-0.99	
			<i>For >100 To 200, Deduct</i>	-1.38	
			<i>For >200, Deduct</i>	-2.18	
10 26 13 00-0063	LF		3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	12.29	2.45
			<i>For Galvanizing, Add</i>	2.87	
			<i>For >50 To 100, Deduct</i>	-1.02	
			<i>For >100 To 200, Deduct</i>	-1.43	
			<i>For >200, Deduct</i>	-2.25	
10 26 13 00-0064	LF		3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	15.70	2.54
			<i>For Galvanizing, Add</i>	4.01	
			<i>For >50 To 100, Deduct</i>	-1.06	
			<i>For >100 To 200, Deduct</i>	-1.48	
			<i>For >200, Deduct</i>	-2.48	
10 26 13 00-0065	LF		4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	19.12	2.63
			<i>For Galvanizing, Add</i>	5.16	
			<i>For >50 To 100, Deduct</i>	-1.10	
			<i>For >100 To 200, Deduct</i>	-1.53	
			<i>For >200, Deduct</i>	-2.71	



Specialties	10	10
Interior Specialties	10 20	
Wall And Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0066 LF 6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard..... <i>For Galvanizing, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	33.34 9.63 -1.46 -2.04 -4.00	3.51
10 26 13 00-0067 Stainless Steel Corner Guards (10 26 13)		
10 26 13 00-0068 Stainless Steel Corner Guards (10 26 13 00-0067) Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.		
10 26 13 00-0069 Surface Mounted, Stainless Steel Corner Guards (10 26 13 00-0068)		
10 26 13 00-0070 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards (10 26 13 00-0069)		
10 26 13 00-0071 LF 1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	7.45 -0.73 -1.02 -1.54	1.76
10 26 13 00-0072 LF 2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	8.84 -0.73 -1.02 -1.61	1.76
10 26 13 00-0073 LF 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	12.47 -0.73 -1.02 -1.79	1.76
10 26 13 00-0074 LF Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	12.47 -0.73 -1.02 -1.79	1.76
10 26 13 00-0075 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards (10 26 13 00-0069)		
10 26 13 00-0076 LF 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	12.47 -0.73 -1.02 -1.79	1.76
10 26 13 00-0077 LF Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	12.47 -0.73 -1.02 -1.79	1.76
10 26 13 00-0078 Stainless Steel Angle Iron, Corner Guards (10 26 13 00-0067)		
10 26 13 00-0079 Surface Mounted, Stainless Steel Angle Iron, Corner Guards (10 26 13 00-0078)		
10 26 13 00-0080 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards (10 26 13 00-0079)		
10 26 13 00-0081 LF 1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	15.35 -0.88 -1.23 -2.17	2.11
10 26 13 00-0082 LF 2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	26.24 -0.95 -1.33 -2.83	2.28
10 26 13 00-0083 LF 2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	37.18 -0.99 -1.38 -3.44	2.37
10 26 13 00-0084 LF 3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	34.57 -1.02 -1.43 -3.36	2.45
10 26 13 00-0085 LF 3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	50.00 -1.06 -1.48 -4.20	2.54
10 26 13 00-0086 LF 4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	46.01 -1.10 -1.53 -4.05	2.63
10 26 13 00-0087 Rubber Corner Guards (10 26 13) Note: Includes adhesive for installation.		
10 26 13 00-0088 Natural Rubber Corner Guards (10 26 13 00-0087)		
10 26 13 00-0089 Surface Mounted, Natural Rubber Corner Guards (10 26 13 00-0088)		
10 26 13 00-0090 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards (10 26 13 00-0089)		

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0091 LF 4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5).....	38.77	1.76
For >50 To 100, Deduct	-0.73	
For >100 To 200, Deduct	-1.02	
For >200, Deduct	-3.11	
For Bolting To Concrete Or Masonry, Add	6.25	
10 26 13 00-0092 Styrene-Butadiene Rubber (SBR) Corner Guards (10 26 13 00-0087)		
10 26 13 00-0093 Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards (10 26 13 00-0092)		
10 26 13 00-0094 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards (10 26 13 00-0093)		
10 26 13 00-0095 LF 4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2).....	16.69	1.76
For >50 To 100, Deduct	-0.73	
For >100 To 200, Deduct	-1.02	
For >200, Deduct	-2.00	
For Bolting To Concrete Or Masonry, Add	2.94	
10 26 13 00-0096 Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards (10 26 13 00-0087)		
10 26 13 00-0097 Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards (10 26 13 00-0096)		
10 26 13 00-0098 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards (10 26 13 00-0097)		
10 26 13 00-0099 LF 4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E).....	14.48	1.76
For >50 To 100, Deduct	-0.73	
For >100 To 200, Deduct	-1.02	
For >200, Deduct	-1.89	
For Bolting To Concrete Or Masonry, Add	2.61	
10 26 16 Bumper Guards (10 26)		
10 26 16 13 Bumper Rails (10 26 16)		
10 26 16 13-0001 Crash Rails (10 26 16 13) Note: Includes end caps.		
10 26 16 13-0002 Polycarbonate Crash Rails (10 26 16 13-0001)		
10 26 16 13-0003 LF 3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3).....	7.59	2.34
For >50 To 100, Deduct	-1.17	
For >100 To 200, Deduct	-1.63	
For >200, Deduct	-2.25	
10 26 16 13-0004 LF 4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4).....	8.63	2.34
For >50 To 100, Deduct	-1.17	
For >100 To 200, Deduct	-1.63	
For >200, Deduct	-2.30	
10 26 16 13-0005 Aluminum Crash Rails (10 26 16 13-0001)		
10 26 16 13-0006 LF 4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100).....	26.67	2.34
For >50 To 100, Deduct	-1.17	
For >100 To 200, Deduct	-1.63	
For >200, Deduct	-3.20	
10 26 16 13-0007 Stainless Steel Crash Rails (10 26 16 13-0001)		
10 26 16 13-0008 LF 4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100).....	48.67	2.34
For >50 To 100, Deduct	-1.17	
For >100 To 200, Deduct	-1.63	
For >200, Deduct	-4.30	
10 26 16 13-0009 LF 5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200).....	37.67	2.34
For >50 To 100, Deduct	-1.17	
For >100 To 200, Deduct	-1.63	
For >200, Deduct	-3.75	
10 26 16 13-0010 Wall Guards (10 26 16 13)		
10 26 16 13-0011 Rigid Vinyl Wall Guards With Aluminum Retainers (10 26 16 13-0010) Note: Includes end caps.		
10 26 16 13-0012 LF 1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1).....	8.22	2.05
For >50 To 100, Deduct	-1.02	
For >100 To 200, Deduct	-1.43	
For >200, Deduct	-2.05	
10 26 16 13-0013 LF 3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3).....	10.15	2.34
For >50 To 100, Deduct	-1.17	
For >100 To 200, Deduct	-1.63	
For >200, Deduct	-2.38	



Specialties	10	10
Interior Specialties	10 20	
Wall And Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0014 LF 4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4).....	11.18	2.34
For >50 To 100, Deduct	-1.17	
For >100 To 200, Deduct	-1.63	
For >200, Deduct	-2.43	
10 26 16 13-0015 LF 5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5).....	11.73	2.34
For >50 To 100, Deduct	-1.17	
For >100 To 200, Deduct	-1.63	
For >200, Deduct	-2.45	
10 26 16 13-0016 LF 6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6).....	14.17	2.48
For >50 To 100, Deduct	-1.24	
For >100 To 200, Deduct	-1.74	
For >200, Deduct	-2.69	
10 26 16 13-0017 LF 8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7).....	14.40	2.48
For >50 To 100, Deduct	-1.24	
For >100 To 200, Deduct	-1.74	
For >200, Deduct	-2.70	
10 26 16 13-0018 LF 7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8).....	14.90	2.48
For >50 To 100, Deduct	-1.24	
For >100 To 200, Deduct	-1.74	
For >200, Deduct	-2.73	
10 26 16 13-0019 LF 12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12).....	18.28	2.63
For >50 To 100, Deduct	-1.31	
For >100 To 200, Deduct	-1.84	
For >200, Deduct	-3.01	
10 26 16 13-0020 Rubber Wall Guards <small>(10 26 16 13-0010)</small>		
10 26 16 13-0021 D-Shaped, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0022 LF 2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2).....	11.73	2.05
For >50 To 100, Deduct	-1.02	
For >100 To 200, Deduct	-1.43	
For >200, Deduct	-2.22	
10 26 16 13-0023 LF 3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3).....	17.87	2.34
For >50 To 100, Deduct	-1.17	
For >100 To 200, Deduct	-1.63	
For >200, Deduct	-2.76	
10 26 16 13-0024 LF 4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4).....	27.39	2.34
For >50 To 100, Deduct	-1.17	
For >100 To 200, Deduct	-1.63	
For >200, Deduct	-3.24	
10 26 16 13-0025 LF 6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6).....	39.37	2.34
For >50 To 100, Deduct	-1.17	
For >100 To 200, Deduct	-1.63	
For >200, Deduct	-3.84	
10 26 16 13-0026 Rectangular, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0027 LF 8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1).....	29.32	2.48
For >50 To 100, Deduct	-1.24	
For >100 To 200, Deduct	-1.74	
For >200, Deduct	-3.45	
10 26 16 13-0028 LF 9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2).....	37.48	2.63
For >50 To 100, Deduct	-1.31	
For >100 To 200, Deduct	-1.84	
For >200, Deduct	-3.97	
10 26 16 13-0029 Wing Type, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0030 LF 6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20).....	49.77	2.34
For >50 To 100, Deduct	-1.17	
For >100 To 200, Deduct	-1.63	
For >200, Deduct	-4.36	
10 26 16 13-0031 LF 6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30).....	53.07	2.34
For >50 To 100, Deduct	-1.17	
For >100 To 200, Deduct	-1.63	
For >200, Deduct	-4.52	
10 26 16 13-0032 LF 3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25).....	23.32	2.05
For >50 To 100, Deduct	-1.02	
For >100 To 200, Deduct	-1.43	
For >200, Deduct	-2.80	
10 26 16 13-0033 U-Shaped, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0034 LF 3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4).....	41.54	2.48
For >50 To 100, Deduct	-1.24	
For >100 To 200, Deduct	-1.74	
For >200, Deduct	-4.06	
10 26 16 13-0035 LF 4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3).....	46.76	2.48
For >50 To 100, Deduct	-1.24	
For >100 To 200, Deduct	-1.74	
For >200, Deduct	-4.32	

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0036			Accent Rails <small>(1026 16 13)</small> Note: Includes end caps.		
10 26 16 13-0037			Oval, Rigid Vinyl Accent Rails With Aluminum Retainers <small>(1026 16 13-0036)</small>		
10 26 16 13-0038	LF		1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25).....	10.01	2.05
			For >50 To 100, Deduct	-1.02	
			For >100 To 200, Deduct	-1.43	
			For >200, Deduct	-2.14	
10 26 16 13-0039	LF		2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30).....	12.29	2.05
			For >50 To 100, Deduct	-1.02	
			For >100 To 200, Deduct	-1.43	
			For >200, Deduct	-2.25	
10 26 16 13-0040	LF		2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22).....	15.11	2.05
			For >50 To 100, Deduct	-1.02	
			For >100 To 200, Deduct	-1.43	
			For >200, Deduct	-2.39	
10 26 16 16			Protective Corridor Handrails <small>(1026 16)</small>		
10 26 16 16-0001			Protective Corridor Handrails <small>(1026 16 16)</small>		
10 26 16 16-0002			Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers <small>(1026 16 16-0001)</small>		
10 26 16 16-0003	LF		1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN).....	15.77	4.38
			For >50 To 100, Deduct	-2.19	
			For >100 To 200, Deduct	-3.07	
			For >200, Deduct	-4.30	
10 26 16 16-0004	EA		End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	13.77	4.38
			For >25 To 50, Deduct	-2.19	
			For >50 To 100, Deduct	-3.07	
			For >100, Deduct	-4.20	
10 26 16 16-0005	LF		5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C).....	21.77	4.38
			For >50 To 100, Deduct	-2.19	
			For >100 To 200, Deduct	-3.07	
			For >200, Deduct	-4.60	
10 26 16 16-0006	EA		End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	17.77	4.38
			For >25 To 50, Deduct	-2.19	
			For >50 To 100, Deduct	-3.07	
			For >100, Deduct	-4.40	
10 26 16 16-0007	LF		6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN).....	22.77	4.38
			For >50 To 100, Deduct	-2.19	
			For >100 To 200, Deduct	-3.07	
			For >200, Deduct	-4.65	
10 26 16 16-0008	EA		End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn).....	24.77	4.38
			For >25 To 50, Deduct	-2.19	
			For >50 To 100, Deduct	-3.07	
			For >100, Deduct	-4.75	
10 26 16 16-0009	LF		6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN).....	29.77	4.38
			For >50 To 100, Deduct	-2.19	
			For >100 To 200, Deduct	-3.07	
			For >200, Deduct	-5.00	
10 26 16 16-0010	EA		End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	32.77	4.38
			For >25 To 50, Deduct	-2.19	
			For >50 To 100, Deduct	-3.07	
			For >100, Deduct	-5.15	
10 26 16 16-0011			Stainless Steel Protective Corridor Handrails <small>(1026 16 16-0001)</small>		
10 26 16 16-0012	LF		5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS).....	39.77	4.38
			For >50 To 100, Deduct	-2.19	
			For >100 To 200, Deduct	-3.07	
			For >200, Deduct	-5.50	
10 26 16 16-0013	EA		End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn).....	40.77	4.38
			For >25 To 50, Deduct	-2.19	
			For >50 To 100, Deduct	-3.07	
			For >100, Deduct	-5.55	
10 26 16 16-0014			Hardwood Protective Corridor Handrails <small>(1026 16 16-0001)</small> Note: Includes end caps.		
10 26 16 16-0015	LF		4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C).....	21.24	3.41
			For >50 To 100, Deduct	-1.71	
			For >100 To 200, Deduct	-2.39	
			For >200, Deduct	-3.80	
			For Maple, Add	0.43	
10 26 16 16-0016	LF		5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500).....	25.79	3.65
			For >50 To 100, Deduct	-1.82	
			For >100 To 200, Deduct	-2.55	
			For >200, Deduct	-4.21	
10 26 16 16-0017	LF		1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500).....	18.16	3.41
			For >50 To 100, Deduct	-1.71	
			For >100 To 200, Deduct	-2.39	
			For >200, Deduct	-3.64	
			For Maple, Add	4.87	
			For Oak, Add	5.43	



Specialties	10
Interior Specialties	10 20
Wall And Door Protection	10 26

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 Protective Wall Covering (10 26)		
10 26 23 00-0001 Impact Resistant Wall Protection (10 26 23) Note: Includes standard trim.		
10 26 23 00-0002 SF 0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30).....	5.11	1.46
10 26 23 00-0003 SF 0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40).....	5.38	1.46
10 26 23 00-0004 SF 0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60).....	6.92	1.46
10 26 23 00-0005 Interior Polyvinyl Chloride (PVC) Soffit System (10 26 23) Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.		
10 26 23 00-0006 "L" Design (10 26 23 00-0005)		
10 26 23 00-0007 L-Shield (10 26 23 00-0006)		
10 26 23 00-0008 LF 2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe.....	8.42	1.46
10 26 23 00-0009 LF 3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Pipe.....	9.72	2.05
10 26 23 00-0010 LF 3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Pipe.....	12.76	2.63
10 26 23 00-0011 LF 5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Pipe.....	17.55	3.22
10 26 23 00-0012 "Combo" Hanger (10 26 23 00-0006)		
10 26 23 00-0013 EA Combination "Combo" Hanger, L-Support, For 3/4" Pipe.....	9.19	2.93
10 26 23 00-0014 EA Combination "Combo" Hanger, L-Support, For 1" Pipe.....	10.63	3.51
10 26 23 00-0015 EA Combination "Combo" Hanger, L-Support, For 1-1/4" Pipe.....	12.27	4.09
10 26 23 00-0016 EA Combination "Combo" Hanger, L-Support, For 1-1/2" Pipe.....	13.65	4.67
10 26 23 00-0017 EA Combination "Combo" Hanger, L-Support, For 2" Pipe.....	15.28	5.26
10 26 23 00-0018 Snap-2 Pipe Hanger (10 26 23 00-0006)		
10 26 23 00-0019 EA Snap-2 Pipe Hanger, L-Support, For 3/4" Pipe.....	7.58	2.93
10 26 23 00-0020 EA Snap-2 Pipe Hanger, L-Support, For 1" Pipe.....	9.22	3.51
10 26 23 00-0021 EA Snap-2 Pipe Hanger, L-Support, For 1-1/4" Pipe.....	10.72	4.09
10 26 23 00-0022 EA Snap-2 Pipe Hanger, L-Support, For 1-1/2" Pipe.....	12.51	4.67
10 26 23 00-0023 EA Snap-2 Pipe Hanger, L-Support, For 2" Pipe.....	14.35	5.26
10 26 23 00-0024 Coupling (10 26 23 00-0006)		
10 26 23 00-0025 EA Coupling, L-Shield, 1" Shield Size.....	5.01	1.46
10 26 23 00-0026 EA Coupling, L-Shield, 1-1/4" Shield Size.....	7.24	2.05
10 26 23 00-0027 EA Coupling, L-Shield, 2" Shield Size.....	10.42	2.63
10 26 23 00-0028 EA Coupling, L-Shield, 2-1/2" Shield Size.....	13.06	3.22
10 26 23 00-0029 Coupling, Reducer (10 26 23 00-0006)		
10 26 23 00-0030 EA Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size.....	14.23	1.76
10 26 23 00-0031 EA Coupling, Reducing, L-Shield, 2" x 1" Shield Size.....	17.48	2.05
10 26 23 00-0032 EA Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size.....	20.74	2.34
10 26 23 00-0033 EA Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size.....	81.38	2.93
10 26 23 00-0034 Shield Clips (10 26 23 00-0006)		
10 26 23 00-0035 EA Shield Clips, L-Support, 1" Shield Size.....	3.03	0.88
10 26 23 00-0036 EA Shield Clips, L-Support, 1-1/4" Shield Size.....	4.54	1.46
10 26 23 00-0037 EA Shield Clips, L-Support, 2" Shield Size.....	5.97	2.05
10 26 23 00-0038 EA Shield Clips, L-Support, 2-1/2" Shield Size.....	6.73	2.63
10 26 23 00-0039 Wall Flange (10 26 23 00-0006)		
10 26 23 00-0040 EA Wall Flange, L-Shield, 1" Shield Size.....	4.87	1.46
10 26 23 00-0041 EA Wall Flange, L-Shield, 1-1/4" Shield Size.....	6.97	2.05
10 26 23 00-0042 EA Wall Flange, L-Shield, 2" Shield Size.....	10.15	2.63
10 26 23 00-0043 EA Wall Flange, L-Shield, 2-1/2" Shield Size.....	42.37	3.22
10 26 23 00-0044 End Cap (10 26 23 00-0006)		
10 26 23 00-0045 EA End Cap, L-Shield, 1" Shield Size.....	5.04	0.88
10 26 23 00-0046 EA End Cap, L-Shield, 1-1/4" Shield Size.....	6.68	1.46
10 26 23 00-0047 EA End Cap, L-Shield, 2" Shield Size.....	9.25	2.05
10 26 23 00-0048 EA End Cap, L-Shield, 2-1/2" Shield Size.....	43.16	2.63
10 26 23 00-0049 Inside/Outside Corner (10 26 23 00-0006)		
10 26 23 00-0050 EA Inside/Outside Corner, L-Shield, 1" Shield Size.....	31.49	2.93
10 26 23 00-0051 EA Inside/Outside Corner, L-Shield, 1-1/4" Shield Size.....	33.93	3.51
10 26 23 00-0052 EA Inside/Outside Corner, L-Shield, 2" Shield Size.....	40.98	4.38
10 26 23 00-0053 EA Inside/Outside Corner, L-Shield, 2-1/2" Shield Size.....	71.81	5.26

10	10	Specialties
	10 20	Interior Specialties
	10 26	Wall And Door Protection



MINOR		DESCRIPTION		TOTAL DIRECT	DEMOLITION
CSI	UOM			UNIT COST	UNIT COST
10 26 23 00-0054		Joiner	<i>(10 26 23 00-0006)</i>		
10 26 23 00-0055	LF	Joiner, L-Shield.....		6.51	0.88
10 26 23 00-0056		"U" Design	<i>(10 26 23 00-0005)</i>		
10 26 23 00-0057		U-Shield	<i>(10 26 23 00-0056)</i>		
10 26 23 00-0058	LF	2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe		10.16	1.46
10 26 23 00-0059	LF	2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Pipe		12.66	2.05
10 26 23 00-0060	LF	3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Pipe		16.18	2.05
10 26 23 00-0061		"Combo" Hanger	<i>(10 26 23 00-0056)</i>		
10 26 23 00-0062	EA	Combination "Combo" Hanger, U-Support For 3/4" Pipe		7.92	2.93
10 26 23 00-0063	EA	Combination "Combo" Hanger, U-Support For 1" Pipe		9.42	3.51
10 26 23 00-0064	EA	Combination "Combo" Hanger, U-Support For 1-1/4" Pipe.....		10.86	4.09
10 26 23 00-0065	EA	Combination "Combo" Hanger, U-Support For 1-1/2" Pipe.....		13.45	4.67
10 26 23 00-0066	EA	Combination "Combo" Hanger, U-Support For 2" Pipe.....		15.22	5.26
10 26 23 00-0067		Snap-2 Pipe Hanger	<i>(10 26 23 00-0056)</i>		
10 26 23 00-0068	EA	Snap-2 Pipe Hanger, U-Support, For 3/4" Pipe		7.45	2.93
10 26 23 00-0069	EA	Snap-2 Pipe Hanger, U-Support, For 1" Pipe		9.09	3.51
10 26 23 00-0070	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/4" Pipe		11.06	4.09
10 26 23 00-0071	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/2" Pipe		12.37	4.67
10 26 23 00-0072	EA	Snap-2 Pipe Hanger, U-Support, For 2" Pipe		14.28	5.26
10 26 23 00-0073		Coupling	<i>(10 26 23 00-0056)</i>		
10 26 23 00-0074	EA	Coupling, U-Shield, 1" Shield Size.....		5.94	1.46
10 26 23 00-0075	EA	Coupling, U-Shield, 1-1/4" Shield Size.....		7.44	2.05
10 26 23 00-0076	EA	Coupling, U-Shield, 2" Shield Size.....		9.08	2.63
10 26 23 00-0077		Coupling, Reducer	<i>(10 26 23 00-0056)</i>		
10 26 23 00-0078	EA	Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size.....		16.90	1.76
10 26 23 00-0079	EA	Reducing Coupling, U-Shield, 2" x 1" Shield Size.....		20.16	2.05
10 26 23 00-0080	EA	Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size.....		21.41	2.34
10 26 23 00-0081		Shield Clips	<i>(10 26 23 00-0056)</i>		
10 26 23 00-0082	EA	Shield Clips, U-Support, 1" Shield Size.....		2.76	0.88
10 26 23 00-0083	EA	Shield Clips, U-Support, 1-1/4" Shield Size		4.07	1.46
10 26 23 00-0084	EA	Shield Clips, U-Support, 2" Shield Size.....		5.36	2.05
10 26 23 00-0085		Wall Flange	<i>(10 26 23 00-0056)</i>		
10 26 23 00-0086	EA	Wall Flange, U-Shield, 1" Shield Size		5.74	1.46
10 26 23 00-0087	EA	Wall Flange, U-Shield, 1-1/4" Shield Size		7.37	2.05
10 26 23 00-0088	EA	Wall Flange, U-Shield, 2" Shield Size		9.01	2.63
10 26 23 00-0089		End Cap	<i>(10 26 23 00-0056)</i>		
10 26 23 00-0090	EA	End Cap, U-Shield, 1" Shield Size		5.38	0.88
10 26 23 00-0091	EA	End Cap, U-Shield, 1-1/4" Shield Size.....		7.22	1.46
10 26 23 00-0092	EA	End Cap, U-Shield, 2" Shield Size		8.98	2.05
10 26 23 00-0093		Inside/Outside Corner	<i>(10 26 23 00-0056)</i>		
10 26 23 00-0094	EA	Inside/Outside Corner, U-Shield, 1" Shield Size		39.59	2.93
10 26 23 00-0095	EA	Inside/Outside Corner, U-Shield, 1-1/4" Shield Size		44.04	3.51
10 26 23 00-0096	EA	Inside/Outside Corner, U-Shield, 2" Shield Size		52.10	4.38
10 26 23 00-0097		Elbow	<i>(10 26 23 00-0056)</i>		
10 26 23 00-0098	EA	Elbow, U-Shield, 1" Shield Size		38.86	2.93
10 26 23 00-0099	EA	Elbow, U-Shield, 1-1/4" Shield Size		42.71	3.51
10 26 23 00-0100	EA	Elbow, U-Shield, 2" Shield Size		50.83	4.38
10 26 23 00-0101		Tee	<i>(10 26 23 00-0056)</i>		
10 26 23 00-0102	EA	Tee, U-Shield, 1" x 1" x 1" Shield Size.....		49.15	4.38
10 26 23 00-0103	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size		54.66	5.26
10 26 23 00-0104	EA	Tee, U-Shield, 2" x 2" x 2" Shield Size.....		63.82	6.43
10 26 23 00-0105	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size		64.86	4.97
10 26 23 00-0106	EA	Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size.....		69.93	6.14



Specialties	10
Interior Specialties	10 20
Wall And Door Protection	10 26

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 00-0107 Cross <small>(10 26 23 00-0056)</small>		
10 26 23 00-0108 EA Cross, U-Shield, 1" Shield Size	89.04	5.84
10 26 23 00-0109 EA Cross, U-Shield, 1-1/4" Shield Size	99.75	7.01
10 26 23 00-0110 EA Cross, U-Shield, 2" Shield Size	121.21	8.77
10 26 23 00-0111 EA Cross, U-Shield, 1-1/4" x 1" Shield Size	122.16	6.43
10 26 23 00-0112 EA Cross, U-Shield, 2" x 1-1/4" Shield Size	134.32	7.89
10 26 23 00-0113 Transition Fittings (L to U Or U to L) <small>(10 26 23 00-0005)</small>		
10 26 23 00-0114 Coupling Transition <small>(10 26 23 00-0113)</small>		
10 26 23 00-0115 EA Transition Coupling, 1" x 1", LxU or UxL	15.12	1.46
10 26 23 00-0116 EA Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL	17.08	2.05
10 26 23 00-0117 EA Transition Coupling, 2" x 2", LxU or UxL	21.27	2.63
10 26 23 00-0118 EA Transition Coupling, 1" x 1-1/4", LxU or UxL	17.10	1.76
10 26 23 00-0119 EA Transition Coupling, 1-1/4" x 2", LxU or UxL	21.28	2.34
10 26 23 00-0120 EA Transition Coupling, 2" x 2-1/2", LxU or UxL	85.20	2.93
10 26 23 00-0121 Elbow Transition <small>(10 26 23 00-0113)</small>		
10 26 23 00-0122 EA Transition Elbow, 1" x 1" (UxL)	52.32	2.93
10 26 23 00-0123 EA Transition Elbow, 1-1/4" x 1-1/4" (UxL)	56.70	3.51
10 26 23 00-0124 EA Transition Elbow, 2" x 2" (UxL)	66.50	4.38
10 26 23 00-0125 EA Transition Elbow, 1" x 1-1/4" (UxL)	81.44	3.22
10 26 23 00-0126 EA Transition Elbow, 1-1/4" x 1" (UxL)	57.60	3.22
10 26 23 00-0127 EA Transition Elbow, 1-1/4" x 2" (UxL)	86.00	4.09
10 26 23 00-0128 EA Transition Elbow, 2" x 1-1/4" (UxL)	66.64	4.09
10 26 23 00-0129 EA Transition Elbow, 2" x 2-1/2" (UxL)	103.39	4.67
10 26 23 00-0130 Tee Transition <small>(10 26 23 00-0113)</small>		
10 26 23 00-0131 EA Transition Tee, 1" x 1" x 1" (LxLxU)	59.94	4.38
10 26 23 00-0132 EA Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU)	69.33	5.26
10 26 23 00-0133 EA Transition Tee, 2" x 2" x 2" (LxLxU)	80.63	6.43
10 26 23 00-0134 EA Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU)	63.32	4.97
10 26 23 00-0135 EA Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU)	99.50	5.55
10 26 23 00-0136 EA Transition Tee, 2" x 2" x 1-1/4" (LxLxU)	70.53	6.14
10 26 23 00-0137 EA Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU)	96.31	7.31
10 26 23 00-0138 Fittings (L Or U) <small>(10 26 23 00-0005)</small>		
10 26 23 00-0139 Hugger Hangers For Steel Pipe <small>(10 26 23 00-0138)</small>		
10 26 23 00-0140 EA Hugger Hanger, For 1/2" Steel Pipe	6.08	2.34
10 26 23 00-0141 EA Hugger Hanger, For 3/4" Steel Pipe	7.58	2.93
10 26 23 00-0142 EA Hugger Hanger, For 1" Steel Pipe	8.89	3.51
10 26 23 00-0143 EA Hugger Hanger, For 1-1/4" Steel Pipe	10.26	4.09
10 26 23 00-0144 EA Hugger Hanger, For 1-1/2" Steel Pipe	11.57	4.67
10 26 23 00-0145 EA Hugger Hanger, For 2" Steel Pipe	13.01	4.67
10 26 23 00-0146 EA Hugger Hanger, For 2-1/2" Steel Pipe	14.30	5.84
10 26 23 00-0147 EA Hugger Hanger, For 3" Steel Pipe	17.95	6.43
10 26 23 00-0148 Hugger Hangers For Copper Pipe <small>(10 26 23 00-0138)</small>		
10 26 23 00-0149 EA Hugger Hanger, For 1/2" Copper Pipe	6.14	2.34
10 26 23 00-0150 EA Hugger Hanger, For 3/4" Copper Pipe	7.65	2.93
10 26 23 00-0151 EA Hugger Hanger, For 1" Copper Pipe	8.95	3.51
10 26 23 00-0152 EA Hugger Hanger, For 1-1/4" Copper Pipe	10.32	4.09
10 26 23 00-0153 EA Hugger Hanger, For 1-1/2" Copper Pipe	11.64	4.67
10 26 23 00-0154 EA Hugger Hanger, For 2" Copper Pipe	13.14	5.26
10 26 23 00-0155 EA Hugger Hanger, For 2-1/2" Copper Pipe	14.44	5.84
10 26 23 00-0156 EA Hugger Hanger, For 3" Copper Pipe	18.15	6.43
10 26 23 00-0157 Shield Extension (L Or U) <small>(10 26 23 00-0138)</small>		
10 26 23 00-0158 LF Shield Extension	7.92	0.88
10 26 23 00-0159 Interior Steel Soffit System <small>(10 26 23)</small>		
Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.		
10 26 23 00-0160 SF 24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel)	14.99	2.63
For 22 Gauge Steel, Add	0.97	
For 20 Gauge Steel, Add	2.08	
For 18 Gauge Steel, Add	4.09	
For 16 Gauge Steel, Add	6.28	
For Stainless Steel, Add	2.43	
10 26 23 00-0161 EA U-Shield Wall Flange (JG Innovations Soffi-Steel)	23.48	7.31
For Stainless Steel, Add	2.22	

10	Specialties
10 20	Interior Specialties
10 26	Wall And Door Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 00-0162	EA		U-Shield Corner (JG Innovations Soffi-Steel)	59.50	8.77
			<i>For Stainless Steel, Add</i>	10.35	
10 26 23 00-0163	EA		U-Shield End Cap (JG Innovations Soffi-Steel)	18.23	4.38
			<i>For Stainless Steel, Add</i>	2.37	
10 26 23 00-0164	EA		U-Shield Clip (JG Innovations Soffi-Steel)	3.89	1.76
			<i>For Stainless Steel, Add</i>	0.10	
10 26 23 00-0165	SF		24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel)	17.06	2.63
			<i>For 22 Gauge Steel, Add</i>	0.89	
			<i>For 20 Gauge Steel, Add</i>	1.89	
			<i>For 18 Gauge Steel, Add</i>	3.66	
			<i>For 16 Gauge Steel, Add</i>	6.14	
			<i>For Stainless Steel, Add</i>	2.95	
10 26 23 00-0166	EA		L-Shield Wall Flange (JG Innovations Soffi-Steel)	23.48	7.31
			<i>For Stainless Steel, Add</i>	2.22	
10 26 23 00-0167	EA		L-Shield Corner (JG Innovations Soffi-Steel)	59.50	8.77
			<i>For Stainless Steel, Add</i>	10.35	
10 26 23 00-0168	EA		L-Shield End Cap (JG Innovations Soffi-Steel)	15.89	3.22
			<i>For Stainless Steel, Add</i>	2.37	
10 26 23 00-0169	EA		L-Shield Clip (JG Innovations Soffi-Steel)	3.89	1.76
			<i>For Stainless Steel, Add</i>	0.10	

10 26 41 Bullet Resistant Panels (10 26)

10 26 41 00-0001	Laminated Bullet Resistant Fiberglass Panel <small>(10 26 41)</small>			
	Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.			
10 26 41 00-0002	SF	1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 LB/SF	11.03	0.83
10 26 41 00-0003	SF	3/16" Thick Ballistic Resistant Fiberglass Panel, 2 LB/SF	15.10	0.89
10 26 41 00-0004	SF	1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 LB/SF	17.07	0.95
10 26 41 00-0005	SF	5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 LB/SF	18.17	1.00
10 26 41 00-0006	SF	7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 LB/SF	21.18	1.12
10 26 41 00-0007	SF	9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 LB/SF	35.92	1.36
10 26 41 00-0008	SF	1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 LB/SF	61.35	2.54
10 26 41 00-0009	SF	1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 LB/SF	74.05	2.78
10 26 41 00-0010	SF	1-7/16" Thick Ballistic Resistant Fiberglass Panel, 15.2 To 16 LB/SF	84.23	2.95

10 28 Toilet, Bath, And Laundry Accessories (10 20)

10 28 13 Toilet Accessories (10 28)

10 28 13 13 Commercial Toilet Accessories (10 28 13)

10 28 13 13-0001	Toilet Accessories <small>(10 28 13 13)</small>			
10 28 13 13-0002	Dispensers <small>(10 28 13 13-0001)</small>			
10 28 13 13-0003	Paper Towel Dispensers <small>(10 28 13 13-0002)</small>			
10 28 13 13-0004	Stainless Steel Paper Towel Dispensers <small>(10 28 13 13-0003)</small>			
10 28 13 13-0005	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262)	67.95	13.14
10 28 13 13-0006	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620)	73.20	13.14
10 28 13 13-0007	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621)	73.98	13.14
10 28 13 13-0008	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212)	75.49	13.14
10 28 13 13-0009	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263)	117.01	13.14
10 28 13 13-0010	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359)	125.01	13.14
10 28 13 13-0011	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262)	139.68	13.14
10 28 13 13-0012	EA	Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526)	149.03	5.84
10 28 13 13-0013	EA	Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318)	246.70	13.14
10 28 13 13-0014	EA	Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860)	295.16	13.14
10 28 13 13-0015	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369)	316.60	13.14
10 28 13 13-0016	EA	Recessed Automated Touchless Towel Dispenser, Stainless (Georgia-Pacific enMotion® 59466)	176.31	13.14
10 28 13 13-0017	EA	Stainless Steel Mounting Bracket For Wall Mounting enMotion Recessed Automated Touchless Towel Dispenser (Georgia-Pacific enMotion® 59476)	77.69	7.30
10 28 13 13-0018	Plastic Paper Towel Dispensers <small>(10 28 13 13-0003)</small>			
10 28 13 13-0019	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262)	50.03	13.14
10 28 13 13-0020	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860)	110.39	13.14
10 28 13 13-0021	EA	Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860)	109.58	13.14
10 28 13 13-0022	EA	Surface Mounted, Automated Touchless Towel Dispenser, Translucent Plastic (Georgia-Pacific enMotion® 59462)	92.22	13.14
10 28 13 13-0023	Aluminum Paper Towel Dispensers <small>(10 28 13 13-0003)</small>			
10 28 13 13-0024	EA	Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253)	55.29	13.14
10 28 13 13-0025	Toilet Tissue Dispensers <small>(10 28 13 13-0002)</small>			



Specialties	10
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0026 Plastic Toilet Tissue Dispensers <small>(10 28 13 13-0025)</small>		
10 28 13 13-0027 EA Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288).....	49.84	13.14
10 28 13 13-0028 EA Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250).....	79.71	13.14
10 28 13 13-0029 EA Vertical Double Roll, Surface Mounted, Translucent Plastic Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56760).....	42.21	13.14
10 28 13 13-0030 EA Side By Side Double Roll, Surface Mounted, Translucent Plastic Toilet Tissue Dispenser (Georgia-Pacific Compact® 56784).....	51.17	13.14
10 28 13 13-0031 Cast Aluminum Toilet Tissue Dispensers <small>(10 28 13 13-0025)</small>		
10 28 13 13-0032 EA Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730).....	44.39	13.14
10 28 13 13-0033 EA Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273).....	44.78	13.14
10 28 13 13-0034 EA Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740).....	47.50	13.14
10 28 13 13-0035 EA Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274).....	52.56	13.14
10 28 13 13-0036 EA Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460).....	71.25	13.14
10 28 13 13-0037 Stainless Steel Toilet Tissue Dispensers <small>(10 28 13 13-0025)</small>		
10 28 13 13-0038 EA Single Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264).....	36.80	13.14
10 28 13 13-0039 EA Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663).....	62.11	13.14
10 28 13 13-0040 EA Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890).....	62.23	13.14
10 28 13 13-0041 EA Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272).....	74.17	13.14
10 28 13 13-0042 EA Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265).....	44.00	13.14
10 28 13 13-0043 EA Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888).....	80.21	13.14
10 28 13 13-0044 EA Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888).....	114.30	13.14
10 28 13 13-0045 EA Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288).....	121.68	13.14
10 28 13 13-0046 EA Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388).....	154.42	13.14
10 28 13 13-0047 EA Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892).....	181.45	13.14
10 28 13 13-0048 EA Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386).....	223.03	13.14
Note: Mounts centered through toilet partitions.		
10 28 13 13-0049 EA Stainless Steel Shelf And Double Roll Toilet Tissue Dispenser (Bobrick B-2840).....	93.45	13.14
10 28 13 13-0050 EA Vertical Double Roll, Surface Mounted, Stainless Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56782).....	85.84	13.14
10 28 13 13-0051 EA Side By Side Double Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Georgia-Pacific Compact® 56796).....	67.78	13.14
10 28 13 13-0052 Soap Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0053 EA 20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221).....	61.13	13.14
For 34 Fluid Ounce (B-822), Add	3.56	
10 28 13 13-0054 EA 20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216).....	66.97	13.14
For 34 Fluid Ounce (B-822), Add	3.56	
10 28 13 13-0055 EA 24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156).....	38.94	13.14
10 28 13 13-0056 EA 24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155).....	43.02	13.14
10 28 13 13-0057 EA 40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40).....	51.87	13.14
10 28 13 13-0058 EA 40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42).....	53.56	13.14
10 28 13 13-0059 EA 40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112).....	62.30	13.14
10 28 13 13-0060 EA 40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112).....	80.80	13.14
10 28 13 13-0061 EA 45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306).....	141.37	13.14
10 28 13 13-0062 EA 50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063).....	231.12	13.14
10 28 13 13-0063 EA 800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18).....	139.67	13.14
Note: Includes start-up kit.		
10 28 13 13-0064 Facial Tissue Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0065 EA Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397).....	71.65	13.14
10 28 13 13-0066 EA Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355).....	46.50	13.14
10 28 13 13-0067 Sanitary Toilet Seat Cover Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0068 EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221).....	38.16	13.14
10 28 13 13-0069 EA Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221).....	53.54	13.14
10 28 13 13-0070 EA Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221).....	102.02	13.14
10 28 13 13-0071 EA Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301).....	105.74	13.14
10 28 13 13-0072 EA Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013).....	218.46	13.14
10 28 13 13-0073 Sanitary Toilet Seat Cover/Toilet Tissue Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0074 EA Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479).....	356.39	13.14
10 28 13 13-0075 EA Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745).....	211.80	13.14
10 28 13 13-0076 Sanitary Napkin/Tampon Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0077 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C).....	441.97	13.14
10 28 13 13-0078 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25).....	334.10	13.14

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0079 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706).....	447.90	13.14
10 28 13 13-0080 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25)	335.09	13.14
10 28 13 13-0081 EA Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4)	293.37	13.14
10 28 13 13-0082 Toilet Compartment Combination Dispenser/Disposals (10 28 13 13-0002)		
10 28 13 13-0083 EA Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094)	299.14	29.21
10 28 13 13-0084 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474)	336.25	29.21
10 28 13 13-0085 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745)	275.55	29.21
10 28 13 13-0086 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574)	395.84	29.21
10 28 13 13-0087 EA Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347)	407.32	29.21
10 28 13 13-0088 EA Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357)	471.38	29.21
10 28 13 13-0089 EA Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579)	440.74	29.21
10 28 13 13-0090 Receptacles (10 28 13 13-0001)		
10 28 13 13-0091 Wall Mounted Waste Receptacles (10 28 13 13-0090)		
10 28 13 13-0092 EA 1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3)	62.27	13.14
10 28 13 13-0093 EA 6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279)	109.03	13.14
10 28 13 13-0094 EA 12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644)	252.73	29.21
10 28 13 13-0095 EA 12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644)	384.35	29.21
10 28 13 13-0096 EA 20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275)	300.44	29.21
10 28 13 13-0097 Floor-Standing/Counter Waste Receptacles (10 28 13 13-0090)		
10 28 13 13-0098 EA 5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532).....	75.05	13.14
10 28 13 13-0099 EA 5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529).....	111.17	13.14
10 28 13 13-0100 EA 13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260)	223.80	5.84
10 28 13 13-0101 EA 13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250)	341.02	5.84
10 28 13 13-0102 EA 18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300)	319.18	5.84
10 28 13 13-0103 EA 21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280)	306.75	5.84
10 28 13 13-0104 Combination Paper Towel Dispenser/ Waste Receptacle (10 28 13 13-0090)		
10 28 13 13-0105 EA 2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-369)	206.01	29.21
10 28 13 13-0106 EA 2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Contura B-4369)	342.88	29.21
10 28 13 13-0107 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3944)	337.43	29.21
10 28 13 13-0108 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3900)	499.13	29.21
10 28 13 13-0109 EA 12 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3909)	694.35	29.21
10 28 13 13-0110 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser / Waste Receptacle (Bobrick Classic B-3961)	583.92	29.21
10 28 13 13-0111 EA 12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3949)	445.70	29.21
10 28 13 13-0112 EA 12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser / Waste Receptacle (Bobrick Classic B-39619)	733.84	29.21
10 28 13 13-0113 EA 16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Contura B-43944)	675.23	32.14
10 28 13 13-0114 EA 18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3947)	447.04	32.14
10 28 13 13-0115 Sanitary Napkin/Tampon Receptacles (10 28 13 13-0090)		
10 28 13 13-0116 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270)	55.88	14.60
10 28 13 13-0117 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254)	120.11	14.60
10 28 13 13-0118 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353)	131.43	14.60
10 28 13 13-0119 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303)	318.73	14.60
10 28 13 13-0120 EA Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354)	164.91	14.60
10 28 13 13-0121 EA Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354)	295.56	14.60
10 28 13 13-0122 Grab Bars (10 28 13 13-0001)		
10 28 13 13-0123 1-1/4" Diameter, Stainless Steel Grab Bars (10 28 13 13-0122)		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0124 EA 12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125sx12)	58.29	11.68
For Peened Grip, Add	3.41	
10 28 13 13-0125 EA 18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18)	67.97	11.68
For Peened Grip, Add	4.28	
10 28 13 13-0126 EA 24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24)	68.94	11.68
For Peened Grip, Add	4.36	



Specialties	10
Interior Specialties	10 20
Toilet, Bath, And Laundry Accessories	10 28

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0127 EA 30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30).....	69.40	11.68
For Peened Grip, Add	4.41	
10 28 13 13-0128 EA 36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36).....	69.52	11.68
For Peened Grip, Add	4.42	
10 28 13 13-0129 EA 42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42).....	71.86	11.68
For Peened Grip, Add	4.63	
10 28 13 13-0130 EA 48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48).....	75.55	11.68
For Peened Grip, Add	4.96	
10 28 13 13-0131 1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars (10 28 13 13-0122)		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0132 EA 24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616).....	117.42	11.68
For Peened Grip, Add	8.46	
10 28 13 13-0133 EA 36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837).....	119.95	11.68
For Peened Grip, Add	8.69	
10 28 13 13-0134 1-1/2" Diameter, Stainless Steel Grab Bars (10 28 13 13-0122)		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0135 EA 12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12).....	67.16	11.68
For Peened Grip, Add	4.20	
10 28 13 13-0136 EA 18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18).....	67.97	11.68
For Peened Grip, Add	4.28	
10 28 13 13-0137 EA 24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24).....	69.52	11.68
For Peened Grip, Add	4.42	
10 28 13 13-0138 EA 30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30).....	71.08	11.68
For Peened Grip, Add	4.56	
10 28 13 13-0139 EA 36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36).....	73.03	11.68
For Peened Grip, Add	4.73	
10 28 13 13-0140 EA 42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42).....	74.78	11.68
For Peened Grip, Add	4.89	
10 28 13 13-0141 EA 48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48).....	79.06	11.68
For Peened Grip, Add	5.27	
10 28 13 13-0142 1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars (10 28 13 13-0122)		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0143 EA 16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861).....	106.90	11.68
For Peened Grip, Add	7.52	
10 28 13 13-0144 EA 24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616).....	115.28	11.68
For Peened Grip, Add	8.27	
10 28 13 13-0145 EA 36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137).....	99.51	11.68
For Peened Grip, Add	6.85	
10 28 13 13-0146 1-1/4" Diameter, Stainless Steel Swing Up Grab Bars (10 28 13 13-0122)		
Note: Includes satin finish.		
10 28 13 13-0147 EA 29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998).....	324.97	11.68
For Peened Grip, Add	27.41	
10 28 13 13-0148 Shelves (10 28 13 13-0001)		
10 28 13 13-0149 EA 5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295).....	76.31	13.14
10 28 13 13-0150 EA 5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295).....	78.66	13.14
10 28 13 13-0151 EA 5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295).....	89.36	13.14
10 28 13 13-0152 EA 5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36).....	92.06	13.14
10 28 13 13-0153 EA 6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296).....	87.81	13.14
10 28 13 13-0154 EA 6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24).....	89.08	13.14
10 28 13 13-0155 EA 8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298).....	95.40	13.14
10 28 13 13-0156 EA 8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298).....	104.55	13.14
10 28 13 13-0157 EA 8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36).....	123.88	13.14
10 28 13 13-0158 EA 5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287).....	95.59	13.14
10 28 13 13-0159 EA 4-3/4" Width x 24" Length, Stainless Steel Toilet Shelf (Bobrick B-683).....	97.54	13.14
10 28 13 13-0160 EA 12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24).....	159.61	13.14
10 28 13 13-0161 EA 12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30).....	171.26	13.14
10 28 13 13-0162 EA 12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36).....	189.24	13.14
10 28 13 13-0163 EA 12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48).....	238.16	13.14
10 28 13 13-0164 EA 12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60).....	327.28	13.14
10 28 13 13-0165 EA 4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412).....	129.70	13.14
10 28 13 13-0166 Changing Stations (10 28 13 13-0001)		
10 28 13 13-0167 EA Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1).....	295.77	17.53
10 28 13 13-0168 EA Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00).....	314.57	17.53
10 28 13 13-0169 EA Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00).....	256.36	17.53
10 28 13 13-0170 EA Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE).....	1,306.28	17.53
10 28 13 13-0171 EA Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM).....	1,540.93	17.53
10 28 13 13-0172 EA Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE).....	1,306.28	17.53
10 28 13 13-0173 EA Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM).....	1,540.93	17.53

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0174 Folding Shower Seats <small>(10 28 13 13-0001)</small>		
10 28 13 13-0175 EA 33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181).....	366.64	23.37
10 28 13 13-0176 EA 33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518).....	489.30	23.37
10 28 13 13-0177 EA 30" Width, Wall-Mounted, Teakwood Folding Shower Seat.....	472.15	23.37
10 28 13 13-0178 Soap/Dish Holders <small>(10 28 13 13-0001)</small>		
10 28 13 13-0179 EA Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679).....	34.71	13.14
10 28 13 13-0180 EA Surface Mounted, Stainless Steel Soap Dish (Gamco 7680).....	36.07	13.14
10 28 13 13-0181 EA Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380).....	68.16	13.14
10 28 13 13-0182 EA Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390).....	74.97	13.14
10 28 13 13-0183 Shower Curtains/Curtain Rods <small>(10 28 13 13-0001)</small>		
10 28 13 13-0184 EA Stainless Steel Shower Curtain Hook (Bobrick B-204-1).....	1.78	0.58
10 28 13 13-0185 EA 42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2).....	31.35	5.84
Note: Requires 7 curtain hooks.		
10 28 13 13-0186 EA 70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3).....	33.01	5.84
Note: Requires 12 curtain hooks.		
10 28 13 13-0187 EA 36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	53.73	13.14
10 28 13 13-0188 EA 48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	58.02	13.14
10 28 13 13-0189 EA 60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	63.27	13.14
10 28 13 13-0190 EA 72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	69.70	13.14
10 28 13 13-0191 EA 36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36).....	46.34	13.14
10 28 13 13-0192 EA 48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48).....	51.40	13.14
10 28 13 13-0193 EA 60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60).....	54.32	13.14
10 28 13 13-0194 EA 72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72).....	58.02	13.14
10 28 13 13-0195 EA 36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	48.48	13.14
10 28 13 13-0196 EA 48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	52.76	13.14
10 28 13 13-0197 EA 60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	57.82	13.14
10 28 13 13-0198 EA 72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	61.33	13.14
10 28 13 13-0199 Hand Dryers <small>(10 28 13 13-0001)</small>		
10 28 13 13-0200 EA Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710).....	352.06	17.57
10 28 13 13-0201 EA Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V).....	380.66	17.57
10 28 13 13-0202 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V).....	423.89	17.57
10 28 13 13-0203 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230).....	608.43	17.57
10 28 13 13-0204 EA Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A).....	508.38	17.57
10 28 13 13-0205 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A).....	568.82	17.57
10 28 13 13-0206 EA Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60).....	523.81	17.57
10 28 13 13-0207 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T).....	543.10	17.57
10 28 13 13-0208 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR).....	563.67	17.57
10 28 13 13-0209 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR).....	649.02	17.57
10 28 13 13-0210 EA Surface Mounted, Automatic Sensor, 22 Gauge Steel Cover Hand Dryer (Bobrick B-7120).....	314.12	17.57
10 28 13 13-0211 EA Surface Mounted, Automatic Sensor, 18 Gauge Stainless Steel Cover Hand Dryer (Bobrick B-7128-115V).....	363.03	17.57
10 28 13 13-0212 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (World Dryer RA).....	487.68	17.57
10 28 13 13-0213 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (World Dryer XRA).....	521.00	17.57
10 28 13 13-0214 EA Recessed Mounted, Automatic Sensor, Stainless Steel Cover Hand/Hair Dryer (World Dryer DXRA).....	608.74	17.57
10 28 13 13-0215 EA Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12).....	864.26	17.57
10 28 13 13-0216 EA Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14).....	1,486.22	17.57
10 28 13 13-0217 EA Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9).....	657.98	17.57
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0218 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M).....	694.26	17.57
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0219 EA Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG).....	714.99	17.57
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0220 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C).....	735.73	17.57
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0221 EA Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS).....	777.19	17.57
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0222 EA Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9).....	533.59	17.57
Note: Electronically adjustable sound and speed.		
10 28 13 13-0223 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M).....	569.87	17.57
Note: Electronically adjustable sound and speed.		
10 28 13 13-0224 EA Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG).....	590.60	17.57
Note: Electronically adjustable sound and speed.		
10 28 13 13-0225 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C).....	611.33	17.57
Note: Electronically adjustable sound and speed.		



Specialties	10
Interior Specialties	10 20
Toilet, Bath, And Laundry Accessories	10 28

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0226 EA Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS).....	652.80	17.57
Note: Electronically adjustable sound and speed.		
10 28 13 13-0227 EA Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7)	533.59	17.57
Note: Electronically adjustable sound and speed.		
10 28 13 13-0228 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M)	569.87	17.57
Note: Electronically adjustable sound and speed.		
10 28 13 13-0229 EA Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG)	590.60	17.57
Note: Electronically adjustable sound and speed.		
10 28 13 13-0230 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C).....	611.33	17.57
Note: Electronically adjustable sound and speed.		
10 28 13 13-0231 EA Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS)	652.80	17.57
Note: Electronically adjustable sound and speed.		
10 28 13 13-0232 EA Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90)	388.46	17.57
10 28 13 13-0233 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M)	424.75	17.57
10 28 13 13-0234 EA Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG)	445.48	17.57
10 28 13 13-0235 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C).....	466.21	17.57
10 28 13 13-0236 EA Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS).....	507.67	17.57
10 28 13 13-0237 EA Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H).....	388.46	17.57
10 28 13 13-0238 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH).....	424.75	17.57
10 28 13 13-0239 EA Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH)	445.48	17.57
10 28 13 13-0240 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH)	466.21	17.57
10 28 13 13-0241 EA Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH)	507.67	17.57
10 28 13 13-0242 EA Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1)	284.80	17.57
10 28 13 13-0243 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M)	321.09	17.57
10 28 13 13-0244 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C).....	362.55	17.57
10 28 13 13-0245 Hand Dryers (Excel XLERATOR®) (10 28 13 13-0001)		
Note: With or without noise reduction nozzle options.		
10 28 13 13-0246 EA Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W)	547.76	17.57
For ADA-Compliant Recess Kit, Add	152.36	
10 28 13 13-0247 EA Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-WH)	767.54	17.57
For ADA-Compliant Recess Kit, Add	152.36	
10 28 13 13-0248 EA Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR)	641.08	17.57
For ADA-Compliant Recess Kit, Add	152.36	
10 28 13 13-0249 EA Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With HEPA Filtration System (Excel Xlerator XL-GRH)	799.15	17.57
For ADA-Compliant Recess Kit, Add	152.36	
10 28 13 13-0250 EA Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C)	688.50	17.57
For ADA-Compliant Recess Kit, Add	152.36	
10 28 13 13-0251 EA Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-CH)	846.57	17.57
For ADA-Compliant Recess Kit, Add	152.36	
10 28 13 13-0252 EA Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB)	688.50	17.57
For ADA-Compliant Recess Kit, Add	152.36	
10 28 13 13-0253 EA Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-SBH)	846.57	17.57
For ADA-Compliant Recess Kit, Add	152.36	
10 28 13 13-0254 EA Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP)	641.08	17.57
For ADA-Compliant Recess Kit, Add	152.36	
10 28 13 13-0255 EA Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-SPH)	799.15	17.57
For ADA-Compliant Recess Kit, Add	152.36	
10 28 13 13-0256 EA Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW)	577.86	17.57
For ADA-Compliant Recess Kit, Add	152.36	
10 28 13 13-0257 EA Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-BWH).....	735.92	17.57
For ADA-Compliant Recess Kit, Add	152.36	
10 28 13 13-0258 EA Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-W-ECO).....	547.76	17.57
For ADA-Compliant Recess Kit, Add	152.36	

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0259 EA Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-WH-ECO).....	767.54	17.57
<i>For ADA-Compliant Recess Kit, Add</i>	152.36	
10 28 13 13-0260 EA Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-GR-ECO).....	641.08	17.57
<i>For ADA-Compliant Recess Kit, Add</i>	152.36	
10 28 13 13-0261 EA Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-GRH-ECO).....	799.15	17.57
<i>For ADA-Compliant Recess Kit, Add</i>	152.36	
10 28 13 13-0262 EA Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-C-ECO).....	688.50	17.57
<i>For ADA-Compliant Recess Kit, Add</i>	152.36	
10 28 13 13-0263 EA Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-CH-ECO).....	846.57	17.57
<i>For ADA-Compliant Recess Kit, Add</i>	152.36	
10 28 13 13-0264 EA Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SB-ECO).....	688.50	17.57
<i>For ADA-Compliant Recess Kit, Add</i>	152.36	
10 28 13 13-0265 EA Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-SBH-ECO).....	846.57	17.57
<i>For ADA-Compliant Recess Kit, Add</i>	152.36	
10 28 13 13-0266 EA Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SP-ECO).....	641.08	17.57
<i>For ADA-Compliant Recess Kit, Add</i>	152.36	
10 28 13 13-0267 EA Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-SPH-ECO).....	799.15	17.57
<i>For ADA-Compliant Recess Kit, Add</i>	152.36	
10 28 13 13-0268 EA Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATOReco® XL-BW-ECO).....	577.86	17.57
<i>For ADA-Compliant Recess Kit, Add</i>	152.36	
10 28 13 13-0269 EA Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-BWH-ECO).....	735.92	17.57
<i>For ADA-Compliant Recess Kit, Add</i>	152.36	
10 28 13 13-0270 Additional Accessories <small>(10 28 13 13-0001)</small>		
10 28 13 13-0271 Hooks <small>(10 28 13 13-0270)</small>		
10 28 13 13-0272 EA Stainless Steel Clothes Hook And Bumper (Bobrick B-212).....	18.11	5.84
10 28 13 13-0273 EA Single Stainless Steel Robe Hook (Bobrick B-233).....	22.39	5.84
10 28 13 13-0274 EA Single Stainless Steel Robe Hook (Bobrick B-7671).....	18.49	5.84
10 28 13 13-0275 EA Double Stainless Steel Robe Hook (Bobrick B-7672).....	20.41	5.84
10 28 13 13-0276 EA Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727).....	36.40	5.84
10 28 13 13-0277 EA Single Stainless Steel Robe Hook (Bobrick B-6717).....	32.51	5.84
10 28 13 13-0278 Clotheslines <small>(10 28 13 13-0270)</small>		
10 28 13 13-0279 EA Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636).....	31.65	11.68
10 28 13 13-0280 Towel Bars <small>(10 28 13 13-0270)</small>		
10 28 13 13-0281 EA 18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18).....	38.64	13.14
10 28 13 13-0282 EA 24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24).....	38.79	13.14
10 28 13 13-0283 EA 18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18).....	44.50	13.14
10 28 13 13-0284 EA 24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24).....	45.04	13.14
10 28 13 13-0285 EA 18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673).....	70.09	13.14
10 28 13 13-0286 EA 24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673).....	73.39	13.14
10 28 13 13-0287 EA 18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674).....	72.62	13.14
10 28 13 13-0288 EA 24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674).....	75.34	13.14
10 28 13 13-0289 EA 18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	80.22	13.14
10 28 13 13-0290 EA 24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	83.11	13.14
10 28 13 13-0291 EA 18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	58.99	13.14
10 28 13 13-0292 EA 24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	61.52	13.14
10 28 13 13-0293 Towel Bar With Shelf <small>(10 28 13 13-0270)</small>		
10 28 13 13-0294 EA 24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676).....	144.07	13.14
10 28 13 13-0295 Towel Pins <small>(10 28 13 13-0270)</small>		
10 28 13 13-0296 EA Stainless Steel Towel Pin (Bobrick B-677).....	35.04	5.84
10 28 13 13-0297 Drinking Fountain Grab Bars <small>(10 28 13 13-0001)</small>		
10 28 13 13-0298 1-1/4" Diameter, Stainless Steel Drinking Fountain Grab Bars <small>(10 28 13 13-0297)</small>		
Note: Includes two wall and one floor concealed mounting with snap flange. 33" high x 18" deep, second rail 6" off ground.		
10 28 13 13-0299 EA 1-1/4" Diameter, Satin Stainless Steel Drinking Fountain Grab Bars.....	143.57	11.68
10 28 13 13-0300 EA 1-1/4" Diameter, Peened Stainless Steel Drinking Fountain Grab Bars.....	166.09	11.68
10 28 13 13-0301 EA 1-1/4" Diameter, Anti-Slip Stainless Steel Drinking Fountain Grab Bars.....	207.76	11.68
10 28 13 13-0302 EA 1-1/4" Diameter, Bright Or Bright Peened Stainless Steel Drinking Fountain Grab Bars.....	268.56	11.68



Specialties	10
Interior Specialties	10 20
Toilet, Bath, And Laundry Accessories	10 28

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0303 1-1/2" Diameter, Stainless Steel Drinking Fountain Grab Bars <small>(10 28 13 13-0297)</small>		
Note: Includes two wall and one floor concealed mounting with snap flange. 33" high x 18" deep, second rail 6" off ground.		
10 28 13 13-0304 EA 1-1/2" Diameter, Satin Stainless Steel Drinking Fountain Grab Bars.....	153.71	11.68
10 28 13 13-0305 EA 1-1/2" Diameter, Peened Stainless Steel Drinking Fountain Grab Bars.....	176.23	11.68
10 28 13 13-0306 EA 1-1/2" Diameter, Anti-Slip Stainless Steel Drinking Fountain Grab Bars.....	220.14	11.68
10 28 13 13-0307 EA 1-1/2" Diameter, Bright Or Bright Peened Stainless Steel Drinking Fountain Grab Bars.....	279.82	11.68
10 28 13 13-0308 1-1/2" Diameter, Steel Drinking Fountain Grab Bars <small>(10 28 13 13-0297)</small>		
Note: Includes three wall and one floor concealed mounting with snap flange.		
10 28 13 13-0309 EA 1-1/2" Diameter, Steel Drinking Fountain Grab Bars, 42" High.....	120.97	11.68
10 28 13 13-0310 Mirrors <small>(10 28 13 13)</small>		
10 28 13 13-0311 Stainless Steel Channel Frame Glass Mirrors <small>(10 28 13 13-0310)</small>		
10 28 13 13-0312 EA 16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24)	67.99	14.60
10 28 13 13-0313 EA 18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824).....	78.67	14.60
10 28 13 13-0314 EA 18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830).....	82.38	14.60
For Tempered Glass (B-1658), Add	31.08	
10 28 13 13-0315 EA 18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836).....	89.96	14.60
For Tempered Glass (B-1658), Add	36.39	
10 28 13 13-0316 EA 24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430).....	99.70	14.60
10 28 13 13-0317 EA 24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436).....	103.79	14.60
For Tempered Glass (B-1658), Add	46.07	
10 28 13 13-0318 EA 24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448).....	130.66	14.60
10 28 13 13-0319 EA 24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460).....	152.66	14.60
10 28 13 13-0320 EA 36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36)	186.29	14.60
10 28 13 13-0321 EA 48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836).....	237.36	14.60
10 28 13 13-0322 EA 60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36)	288.38	14.60
10 28 13 13-0323 Stainless Steel Channel Frame Glass Mirror/Shelf Combination <small>(10 28 13 13-0310)</small>		
10 28 13 13-0324 EA 18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824).....	135.72	14.60
10 28 13 13-0325 EA 18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830).....	147.21	14.60
10 28 13 13-0326 EA 18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836).....	154.80	14.60
10 28 13 13-0327 EA 24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436).....	176.22	14.60
10 28 13 13-0328 Stainless Steel Angle Frame Glass Mirrors <small>(10 28 13 13-0310)</small>		
10 28 13 13-0329 EA 18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824).....	119.54	14.60
10 28 13 13-0330 EA 18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830).....	132.22	14.60
For Tempered Glass (B-2908), Add	62.20	
10 28 13 13-0331 EA 18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836).....	136.50	14.60
For Tempered Glass (B-2908), Add	65.02	
10 28 13 13-0332 EA 24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430).....	161.81	14.60
10 28 13 13-0333 EA 24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436).....	162.78	14.60
For Tempered Glass (B-2908), Add	82.37	
10 28 13 13-0334 EA 24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448).....	221.38	14.60
10 28 13 13-0335 EA 24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460).....	262.27	14.60
10 28 13 13-0336 EA 24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472).....	300.44	14.60
10 28 13 13-0337 EA 36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36)	196.50	14.60
10 28 13 13-0338 EA 48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36)	242.00	14.60
10 28 13 13-0339 EA 72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36)	376.58	14.60
10 28 13 13-0340 Stainless Steel Angle Frame Glass Mirror/Shelf Combination <small>(10 28 13 13-0310)</small>		
10 28 13 13-0341 EA 18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24).....	123.97	14.60
10 28 13 13-0342 EA 18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830).....	255.46	14.60
10 28 13 13-0343 EA 18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836).....	268.31	14.60
10 28 13 13-0344 EA 24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436).....	300.44	14.60
10 28 13 13-0345 Frameless Stainless Steel Mirrors <small>(10 28 13 13-0310)</small>		
10 28 13 13-0346 EA 17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830).....	135.33	14.60
10 28 13 13-0347 EA 23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436).....	178.35	14.60
10 28 13 13-0348 Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors <small>(10 28 13 13-0310)</small>		
10 28 13 13-0349 EA 16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630).....	188.09	14.60
10 28 13 13-0350 EA 18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830).....	196.47	14.60
10 28 13 13-0351 EA 18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836).....	240.28	14.60
10 28 13 13-0352 EA 24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436).....	298.10	14.60

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0353 Medicine Cabinets <small>(10 28 13 13)</small>		
10 28 13 13-0354 Metal Medicine Cabinets <small>(10 28 13 13-0353)</small>		
10 28 13 13-0355 EA 20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB).....	201.26	29.21
10 28 13 13-0356 EA 15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397).....	156.85	29.21
Note: Includes three adjustable plastic shelves.		
10 28 13 13-0357 EA 14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297)	162.39	29.21
Note: Includes two fixed shelves with baked white enamel finish.		
10 28 13 13-0358 EA 15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398)	373.64	29.21
Note: Includes four adjustable stainless steel shelves.		
10 28 13 13-0359 EA 17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299)	518.69	29.21
Note: Includes four adjustable shelves.		
10 28 13 13-0360 Janitorial Material <small>(10 28 13 13)</small>		
10 28 13 13-0361 EA Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670).....	32.51	5.84
10 28 13 13-0362 EA 24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24)	85.86	13.14
10 28 13 13-0363 EA 24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24)	82.36	13.14
10 28 13 13-0364 EA 30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1)	94.69	13.14
10 28 13 13-0365 EA 36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36)	106.89	13.14
10 28 13 13-0366 EA 36" Length, Utility Hook Strip (Gamco HCS-2).....	68.67	13.14
10 28 13 13-0367 EA 36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36).....	205.40	13.14
10 28 13 13-0368 EA 34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34).....	299.45	13.14
10 28 13 13-0369 Remove And Reinstall Bathroom Accessories <small>(10 28 13 13)</small>		
10 28 13 13-0370 EA Removal And Reinstallation Of Bathroom Accessory	18.26	
10 28 13 63 Detention Toilet Accessories <small>(10 28 13)</small>		
10 28 13 63-0001 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar <small>(10 28 13 63)</small>		
10 28 13 63-0002 EA 18" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-001180)	101.05	11.68
10 28 13 63-0003 EA 24" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-001240)	105.58	11.68
10 28 13 63-0004 EA 36" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-001360)	108.59	11.68
10 28 13 63-0005 EA 42" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-001420)	120.14	11.68
10 28 13 63-0006 EA 60" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-002600)	242.95	11.68
10 28 19 Tub and Shower Enclosures <small>(10 28)</small>		
10 28 19 16 Shower Doors <small>(10 28 19)</small>		
10 28 19 16-0001 Swinging Shower Doors <small>(10 28 19 16)</small>		
10 28 19 16-0002 Framed, Swinging Shower Doors <small>(10 28 19 16-0001)</small>		
10 28 19 16-0003 EA 24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801).....	320.04	17.59
10 28 19 16-0004 EA 27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802).....	336.40	17.59
10 28 19 16-0005 EA 29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803).....	404.25	17.59
10 28 19 16-0006 EA 33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804).....	334.66	17.59
10 28 19 16-0007 EA 35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805).....	357.83	17.59
10 28 19 16-0008 Frameless, Swinging Shower Doors <small>(10 28 19 16-0001)</small>		
10 28 19 16-0009 EA 24-9/16" To 25-7/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0301D)	494.56	17.59
10 28 19 16-0010 EA 31-1/16" To 31-15/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0302D)	517.24	17.59
10 28 19 16-0011 EA 32-11/16" To 33-9/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0303D)	538.58	17.59
10 28 19 16-0012 EA 34-3/16" To 35-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0304D)	561.26	17.59
10 28 19 16-0013 EA 35-3/16" To 36-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0305D)	583.27	17.59
10 28 19 16-0014 Sliding Shower Doors <small>(10 28 19 16)</small>		



Specialties	10
Interior Specialties	10 20
Toilet, Bath, And Laundry Accessories	10 28

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 28 19 16-0015	Framed, Sliding Shower Doors <small>(10 28 19 16-0014)</small>		
10 28 19 16-0016	EA 40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735)	539.21	17.59
10 28 19 16-0017	EA 44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745)	493.32	17.59
10 28 19 16-0018	EA 46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775)	505.68	17.59
10 28 19 16-0019	EA 52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729)	518.82	17.59
10 28 19 16-0020	EA 54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794)	526.16	17.59
10 28 19 16-0021	EA 56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795)	537.02	17.59
10 28 19 16-0022	Frameless, Sliding Shower Doors <small>(10 28 19 16-0014)</small>		
10 28 19 16-0023	EA 40" To 44" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00335)	559.31	17.59
10 28 19 16-0024	EA 44" To 48" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00345)	684.15	17.59
10 28 19 16-0025	EA 56" To 60" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00394)	726.17	17.59
10 28 19 16-0026	EA 40" To 44" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00330)	654.89	17.59
10 28 19 16-0027	EA 44" To 48" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00370)	664.09	17.59
10 28 19 16-0028	EA 56" To 60" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00390)	749.60	17.59

10 28 19 19 Tub Doors (10 28 19)

10 28 19 19-0001	Sliding Bathtub Doors <small>(10 28 19 19)</small>		
10 28 19 19-0002	Framed, Sliding Bathtub Doors <small>(10 28 19 19-0001)</small>		
10 28 19 19-0003	EA 52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725)	479.52	17.59
10 28 19 19-0004	EA 54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749)	484.80	17.59
10 28 19 19-0005	EA 56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750)	496.76	17.59

10 40 Safety Specialties (10)

10 41 Emergency Access And Information Cabinets (10 40)

10 41 13 Fire Department Plan Cabinets (10 41)

10 41 13 00-0001 Fire Department Plan Cabinets (Knox) (10 41 13)

10 41 13 00-0002	EA 18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	853.25	18.98
	<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
	<i>For Dual Locks, Add</i>	60.00	
	<i>For Back Key Hook Panel, Add</i>	57.17	
	<i>For Swing Key Hook Panel, Add</i>	156.17	
	<i>For Non-Locking Weather Housing, Add</i>	391.52	
10 41 13 00-0003	EA 18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	904.89	18.98
	<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
	<i>For Dual Locks, Add</i>	60.00	
	<i>For Back Key Hook Panel, Add</i>	57.17	
	<i>For Swing Key Hook Panel, Add</i>	156.17	
	<i>For Second Swing Key Hook Panel, Add</i>	123.17	
	<i>For Non-Locking Weather Housing, Add</i>	391.52	

10 41 16 Emergency Key Cabinets (10 41)

10 41 16 00-0001 Emergency Key Cabinets (Knox) (10 41 16)

10 41 16 00-0002	EA Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403)	424.65	18.98
	<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
10 41 16 00-0003	EA 5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200)	373.01	18.98
	<i>For Lift-Off Door, Deduct</i>	-40.00	
	<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
	<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
	<i>For Recess Mount, Add</i>	50.86	
	<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	119.00	

10 Specialties**10 40 Safety Specialties****10 41 Emergency Access And Information Cabinets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 41 16 00-0004	EA		6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100)	499.53	18.98
			<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
			<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
			<i>For Recess Mount, Add</i>	50.86	
			<i>For Dual Locks, Add</i>	60.00	
			<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	130.00	
10 41 16 00-0005	EA		7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400)	531.80	18.98
			<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
			<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
			<i>For Recess Mount, Add</i>	50.86	
			<i>For Dual Locks, Add</i>	60.00	
			<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	135.00	

10 44 Fire Protection Specialties (10 40)**10 44 13 Fire Protection Cabinets** (10 44)**10 44 13 00-0001 Fire Extinguisher Cabinets** (10 44 13)**10 44 13 00-0002 Recessed Fire Extinguisher Cabinets** (10 44 13 00-0001)**10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets** (10 44 13 00-0002)

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0004	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	211.39	23.95
10 44 13 00-0005	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	215.71	23.95
10 44 13 00-0006	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	216.57	23.95
10 44 13 00-0007	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	243.33	23.95
10 44 13 00-0008	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	313.27	23.95
10 44 13 00-0009	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	322.76	23.95

10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0011	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	235.58	23.95
10 44 13 00-0012	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	240.55	23.95
10 44 13 00-0013	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	248.84	23.95
10 44 13 00-0014	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	262.93	23.95
10 44 13 00-0015	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	306.64	23.95
10 44 13 00-0016	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	319.90	23.95

10 44 13 00-0017 Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0018	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	340.26	23.95
10 44 13 00-0019	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	350.42	23.95
10 44 13 00-0020	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	355.49	23.95
10 44 13 00-0021	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	390.19	23.95
10 44 13 00-0022	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	460.21	23.95
10 44 13 00-0023	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	481.37	23.95

10 44 13 00-0024 Bronze Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0025	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	881.29	23.95
10 44 13 00-0026	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	888.00	23.95
10 44 13 00-0027	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,024.83	23.95

10 44 13 00-0028 Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets

(10 44 13 00-0002)

Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.

10 44 13 00-0029	EA	10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	267.51	23.95
10 44 13 00-0030	EA	14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	300.32	23.95

10 44 13 00-0031 Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)**10 44 13 00-0032 Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets** (10 44 13 00-0031)

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0033	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	234.70	23.95
10 44 13 00-0034	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	243.33	23.95
10 44 13 00-0035	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	244.20	23.95
10 44 13 00-0036	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	273.55	23.95
10 44 13 00-0037	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	332.26	23.95
10 44 13 00-0038	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	341.76	23.95

10 44 13 00-0039 Aluminum Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0040	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	272.65	23.95
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Specialties	10	10
Safety Specialties	10 40	
Fire Protection Specialties	10 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0041 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	285.09	23.95
10 44 13 00-0042 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	292.55	23.95
10 44 13 00-0043 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	306.64	23.95
10 44 13 00-0044 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	355.54	23.95
10 44 13 00-0045 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	367.14	23.95
10 44 13 00-0046 Stainless Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small> Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0047 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	384.89	23.95
10 44 13 00-0048 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	396.74	23.95
10 44 13 00-0049 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	401.82	23.95
10 44 13 00-0050 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	428.05	23.95
10 44 13 00-0051 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	493.22	23.95
10 44 13 00-0052 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	507.60	23.95
10 44 13 00-0053 Bronze Door And Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small> Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,120.31	23.95
10 44 13 00-0055 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,125.94	23.95
10 44 13 00-0056 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,295.89	23.95
10 44 13 00-0057 Acrylic Bubble Door And Steel Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small> Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058 EA 10-1/2" x 24" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	298.59	23.95
10 44 13 00-0059 EA 14" x 30" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	329.67	23.95
10 44 13 00-0060 Surface Mounted Fire Extinguisher Cabinets <small>(10 44 13 00-0001)</small>		
10 44 13 00-0061 Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small> Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	227.79	23.95
10 44 13 00-0063 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	232.97	23.95
10 44 13 00-0064 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	274.42	23.95
10 44 13 00-0065 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	325.35	23.95
10 44 13 00-0066 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	339.17	23.95
10 44 13 00-0067 Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small> Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	351.39	23.95
10 44 13 00-0069 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	362.17	23.95
10 44 13 00-0070 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	386.20	23.95
10 44 13 00-0071 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	433.45	23.95
10 44 13 00-0072 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	453.34	23.95
10 44 13 00-0073 Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small> Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	458.52	23.95
10 44 13 00-0075 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	474.60	23.95
10 44 13 00-0076 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	514.37	23.95
10 44 13 00-0077 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	591.38	23.95
10 44 13 00-0078 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	615.08	23.95
10 44 13 00-0079 Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small> Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	1,290.59	23.95
10 44 13 00-0081 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	1,459.24	23.95
10 44 13 00-0082 Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small> Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083 EA 13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	279.60	23.95
10 44 13 00-0084 EA 17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	317.58	23.95
10 44 13 00-0085 EA 31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	450.54	23.95
10 44 13 00-0086 Fire Extinguisher Cabinet Accessories <small>(10 44 13 00-0001)</small>		
10 44 13 00-0087 EA Standard Break Glass Cylinder Lock Mechanism.....	21.23	7.30

10 Specialties**10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0088 EA Breaker Bar And Chain For Break Glass Cabinets	18.91	7.30
10 44 13 00-0089 EA Replacement Standard Pull Handle	17.50	7.30
10 44 13 00-0090 EA Fire Extinguisher Cabinet Battery Operated Alarm	59.04	14.60
10 44 13 00-0091 EA Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	115.54	
10 44 13 00-0092 EA Fire Rated Option For 12" x 27" x 7-3/4" Cabinets	127.09	
10 44 13 00-0093 EA Fire Rated Option For 16" x 32" x 7-3/4" Cabinets	173.31	
10 44 13 00-0094 EA Fire Rated Option For 20" x 27" x 7-3/4" Cabinets	236.86	
10 44 13 00-0095 EA Fire Rated Option For 9" x 18" x 5-1/2" Cabinets	277.30	
10 44 13 00-0096 EA Replace Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets	67.01	
10 44 13 00-0097 EA Replace Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	69.32	
10 44 13 00-0098 EA Replace Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets	92.43	
10 44 13 00-0099 EA Replace Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets	167.53	
10 44 13 00-0100 EA Replace Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets	169.84	
10 44 13 00-0101 EA Replace Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets	72.45	
10 44 13 00-0102 EA Replace Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets	76.07	
10 44 13 00-0103 EA Replace Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets	102.64	
10 44 13 00-0104 EA Replace Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets	181.12	
10 44 13 00-0105 EA Replace Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets	183.54	
10 44 13 00-0106 Fire Hose Cabinets (10 44 13)		
Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0014 for fire hose angle valves.		
10 44 13 00-0107 Recessed Fire Hose Cabinets (10 44 13 00-0106)		
10 44 13 00-0108 Steel Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107)		
Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109 EA 34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	354.67	93.63
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0110 EA 34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	360.31	93.63
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0111 EA 38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	365.01	93.63
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0112 EA 38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	369.72	93.63
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0113 EA 30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	375.36	93.63
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0114 EA 38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	390.41	93.63
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0115 EA 23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	395.11	93.63
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0116 Aluminum Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107)		
Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0117 EA 34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	383.92	93.63
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0118 EA 30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	393.17	93.63
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0119 EA 34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	394.37	93.63
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0120 EA 38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	398.21	93.63
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0121 EA 38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	403.25	93.63
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0122 EA 38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	417.54	93.63
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0123 EA 23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	431.83	93.63
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0124 Stainless Steel Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107)		
Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0125 EA 23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	467.12	93.63
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0126 EA 34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	510.82	93.63
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0127 EA 34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	515.03	93.63
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0128 EA 38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	528.47	93.63
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0129 EA 38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	532.67	93.63
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0130 EA 30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	554.52	93.63
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0131 EA 38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	576.37	93.63
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0132 Semi Recessed Fire Hose Cabinets (10 44 13 00-0106)		



Specialties	10	10
Safety Specialties	10 40	
Fire Protection Specialties	10 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0133 Steel Door And Trim, Semi Recessed Fire Hose Cabinets <small>(10 44 13 00-0132)</small>		
Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0134 EA 34" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	369.72	93.63
<i>For Solid Steel Door, Deduct</i>		
10 44 13 00-0135 EA 34" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	375.36	93.63
<i>For Solid Steel Door, Deduct</i>		
10 44 13 00-0136 EA 38" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	380.06	93.63
<i>For Solid Steel Door, Deduct</i>		
10 44 13 00-0137 EA 38" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	385.70	93.63
<i>For Solid Steel Door, Deduct</i>		
10 44 13 00-0138 EA 30" x 30" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	390.41	93.63
<i>For Solid Steel Door, Deduct</i>		
10 44 13 00-0139 EA 38" x 32" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	405.45	93.63
<i>For Solid Steel Door, Deduct</i>		
10 44 13 00-0140 EA 23" x 18" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	411.09	93.63
<i>For Solid Steel Door, Deduct</i>		
10 44 13 00-0141 Aluminum Door And Trim, Semi Recessed Fire Hose Cabinets <small>(10 44 13 00-0132)</small>		
Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0142 EA 34" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	393.17	93.63
<i>For Solid Aluminum Door, Add</i>		
10 44 13 00-0143 EA 34" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	403.25	93.63
<i>For Solid Aluminum Door, Add</i>		
10 44 13 00-0144 EA 30" x 30" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	404.69	93.63
<i>For Solid Aluminum Door, Add</i>		
10 44 13 00-0145 EA 38" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	407.45	93.63
<i>For Solid Aluminum Door, Add</i>		
10 44 13 00-0146 EA 38" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	412.50	93.63
<i>For Solid Aluminum Door, Add</i>		
10 44 13 00-0147 EA 38" x 32" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	426.78	93.63
<i>For Solid Aluminum Door, Add</i>		
10 44 13 00-0148 EA 23" x 18" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	441.07	93.63
<i>For Solid Aluminum Door, Add</i>		
10 44 13 00-0149 Stainless Steel Door And Trim, Semi Recessed Fire Hose Cabinets <small>(10 44 13 00-0132)</small>		
Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0150 EA 23" x 18" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	493.18	93.63
<i>For Solid Stainless Steel Door, Deduct</i>		
10 44 13 00-0151 EA 34" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	541.08	93.63
<i>For Solid Stainless Steel Door, Deduct</i>		
10 44 13 00-0152 EA 34" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	545.28	93.63
<i>For Solid Stainless Steel Door, Deduct</i>		
10 44 13 00-0153 EA 38" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	558.73	93.63
<i>For Solid Stainless Steel Door, Deduct</i>		
10 44 13 00-0154 EA 38" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	562.93	93.63
<i>For Solid Stainless Steel Door, Deduct</i>		
10 44 13 00-0155 EA 30" x 30" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	584.78	93.63
<i>For Solid Stainless Steel Door, Deduct</i>		
10 44 13 00-0156 EA 38" x 32" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	606.63	93.63
<i>For Solid Stainless Steel Door, Deduct</i>		
10 44 13 00-0157 Surface Mount Fire Hose Cabinets <small>(10 44 13 00-0106)</small>		
10 44 13 00-0158 Steel Door And Trim, Surface Mount Fire Hose Cabinets <small>(10 44 13 00-0157)</small>		
Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0159 EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	375.36	93.63
<i>For Solid Steel Door, Deduct</i>		
10 44 13 00-0160 EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	380.06	93.63
<i>For Solid Steel Door, Deduct</i>		
10 44 13 00-0161 EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	385.70	93.63
<i>For Solid Steel Door, Deduct</i>		
10 44 13 00-0162 EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	390.41	93.63
<i>For Solid Steel Door, Deduct</i>		
10 44 13 00-0163 EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	395.11	93.63
<i>For Solid Steel Door, Deduct</i>		
10 44 13 00-0164 EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	411.09	93.63
<i>For Solid Steel Door, Deduct</i>		
10 44 13 00-0165 EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	415.80	93.63
<i>For Solid Steel Door, Deduct</i>		
10 44 13 00-0166 Aluminum Door And Trim, Surface Mount Fire Hose Cabinets <small>(10 44 13 00-0157)</small>		
Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0167 EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	417.54	93.63
<i>For Solid Aluminum Door, Add</i>		

10 Specialties**10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0168	EA		33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	426.78	93.63
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0169	EA		37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	429.18	93.63
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0170	EA		41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	431.83	93.63
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0171	EA		41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	436.03	93.63
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0172	EA		41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	451.16	93.63
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0173	EA		26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	460.40	93.63
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0174			Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157)		
			Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0175	EA		26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	528.47	93.63
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0176	EA		37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	667.98	93.63
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0177	EA		41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	703.27	93.63
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0178	EA		37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	711.68	93.63
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0179	EA		41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	720.08	93.63
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0180	EA		33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	755.38	93.63
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0181	EA		41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	799.08	93.63
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 16 Fire Extinguishers (10 44)					
10 44 16 13 Portable Fire Extinguishers (10 44 16)					
			Note: Includes filling, certification, bracket, hardware and mounting on wall.		
10 44 16 13-0001 Carbon Dioxide Type, Class BC Portable Fire Extinguisher (10 44 16 13)					
10 44 16 13-0002	EA		2.5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	163.73	7.59
			<i>For >5 To 10, Deduct</i>	-6.24	
			<i>For >10, Deduct</i>	-12.48	
			<i>For Placement In Cabinet, Deduct</i>	-19.47	
10 44 16 13-0003	EA		5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	251.18	8.77
			<i>For >5 To 10, Deduct</i>	-10.31	
			<i>For >10, Deduct</i>	-20.63	
			<i>For Placement In Cabinet, Deduct</i>	-22.47	
10 44 16 13-0004	EA		10 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	326.76	11.10
			<i>For >5 To 10, Deduct</i>	-13.42	
			<i>For >10, Deduct</i>	-26.83	
			<i>For Placement In Cabinet, Deduct</i>	-29.21	
10 44 16 13-0005	EA		15 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	401.23	14.02
			<i>For >5 To 10, Deduct</i>	-16.41	
			<i>For >10, Deduct</i>	-32.82	
			<i>For Placement In Cabinet, Deduct</i>	-36.52	
10 44 16 13-0006	EA		20 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	448.92	14.02
			<i>For >5 To 10, Deduct</i>	-18.79	
			<i>For >10, Deduct</i>	-37.59	
			<i>For Placement In Cabinet, Deduct</i>	-36.52	
10 44 16 13-0007	EA		50 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher.....	1,579.26	22.20
			<i>For >5 To 10, Deduct</i>	-73.12	
			<i>For >10, Deduct</i>	-146.24	
10 44 16 13-0008	EA		100 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher.....	3,119.69	22.20
			<i>For >5 To 10, Deduct</i>	-150.14	
			<i>For >10, Deduct</i>	-300.29	
10 44 16 13-0009 Dry Chemical Type, Class ABC Portable Fire Extinguisher (10 44 16 13)					
10 44 16 13-0010	EA		2.6 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	85.79	7.59
			<i>For >5 To 10, Deduct</i>	-2.34	
			<i>For >10, Deduct</i>	-4.69	
			<i>For Placement In Cabinet, Deduct</i>	-19.47	
10 44 16 13-0011	EA		5 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	112.41	8.77
			<i>For >5 To 10, Deduct</i>	-3.37	
			<i>For >10, Deduct</i>	-6.75	
			<i>For Placement In Cabinet, Deduct</i>	-22.47	
10 44 16 13-0012	EA		10 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	164.19	11.10
			<i>For >5 To 10, Deduct</i>	-5.29	
			<i>For >10, Deduct</i>	-10.58	
			<i>For Placement In Cabinet, Deduct</i>	-29.21	
10 44 16 13-0013	EA		20 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	239.49	14.02
			<i>For >5 To 10, Deduct</i>	-8.32	
			<i>For >10, Deduct</i>	-16.65	
			<i>For Placement In Cabinet, Deduct</i>	-36.52	



Specialties	10
Safety Specialties	10 40
Fire Protection Specialties	10 44

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0014 EA 50 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i>	1,864.30 -87.37 -174.75	22.20
10 44 16 13-0015 EA 125 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i>	2,858.84 -137.10 -274.20	22.20
10 44 16 13-0016 Other Portable Fire Extinguishers <small>(10 44 16 13)</small>		
10 44 16 13-0017 EA 2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher..... Note: Stainless steel. <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	183.34 -6.92 -13.84 -22.47	8.77
10 44 16 13-0018 EA 1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher..... Note: Stainless steel. <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	272.79 -9.99 -19.98 -36.52	14.02
10 44 16 13-0019 EA 2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher..... Note: Stainless steel. <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	288.13 -10.76 -21.51 -36.52	14.02
10 44 16 13-0020 EA 30 LB Dry Powder, Class D Portable Fire Extinguisher..... Note: Yellow steel. <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i>	444.88 -18.59 -37.19	14.02
10 44 16 13-0021 Recharge Existing Portable Fire Extinguishers <small>(10 44 16 13)</small> Note: Includes removal, filling, testing, certification and reinstallation.		
10 44 16 13-0022 Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers <small>(10 44 16 13-0021)</small>		
10 44 16 13-0023 EA Recharge 2.5 LB Carbon Dioxide Portable Fire Extinguisher	8.97	
10 44 16 13-0024 EA Recharge 5 LB Carbon Dioxide Portable Fire Extinguisher	9.97	
10 44 16 13-0025 EA Recharge 10 LB Carbon Dioxide Portable Fire Extinguisher	10.37	
10 44 16 13-0026 EA Recharge 15 LB Carbon Dioxide Portable Fire Extinguisher	11.74	
10 44 16 13-0027 EA Recharge 20 LB Carbon Dioxide Portable Fire Extinguisher	13.56	
10 44 16 13-0028 Recharge Dry Chemical, Class ABC Portable Fire Extinguishers <small>(10 44 16 13-0021)</small>		
10 44 16 13-0029 EA Recharge 2.5 LB Dry Chemical Portable Fire Extinguisher	10.83	
10 44 16 13-0030 EA Recharge 5 LB Dry Chemical Portable Fire Extinguisher	13.11	
10 44 16 13-0031 EA Recharge 10 LB Dry Chemical Portable Fire Extinguisher	18.52	
10 44 16 13-0032 EA Recharge 20 LB Dry Chemical Portable Fire Extinguisher	29.23	
10 44 16 13-0033 Recharge Other Portable Fire Extinguishers <small>(10 44 16 13-0021)</small>		
10 44 16 13-0034 EA Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher	10.71	
10 44 16 13-0035 EA Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher.....	76.35	
10 44 16 13-0036 EA Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher.....	106.89	
10 44 16 13-0037 EA Recharge 30 LB Dry Powder Class D Portable Fire Extinguisher.....	44.01	
10 44 16 13-0038 Fire Extinguisher Backboards <small>(10 44 16 13)</small>		
10 44 16 13-0039 Fire Extinguisher Backboards <small>(10 44 16 13-0038)</small> Note: Mounted to any wall. Includes anchors.		
10 44 16 13-0040 EA Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard.....	66.73	10.05
10 44 16 13-0041 EA Relocate Fire Extinguisher Wood Backboard, Any Size	88.69	
Note: Includes storage and cleaning.		
10 44 16 13-0042 Inspections And Testing <small>(10 44 16 13)</small>		
10 44 16 13-0043 EA On Site Fire Extinguisher Annual Inspection (Tag).....	9.69	
10 44 16 13-0044 EA On Site Fire Extinguisher Hydrotest.....	14.24	
10 44 19 Fire Blankets <small>(10 44)</small>		
10 44 19 00-0001 EA Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB)..... Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	286.20	23.95
10 44 19 00-0002 EA Drop Type Fire Blanket Cabinet (JL Industries 2FB)	204.18	23.95
Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.		

10 50 Storage Specialties (10)

10 51 Lockers (10 50)

10 51 13 Metal Lockers (10 51)

10	Specialties
10 50	Storage Specialties
10 51	Lockers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0001			Institutional And Corridor Lockers <small>(10 51 13)</small> Note: Price per frame. Includes baked enamel 24 gauge solid body components and 6" legs. Excludes slope top, base fillers, and locks.		
10 51 13 00-0002			Single Tier Institutional Or Corridor Locker <small>(10 51 13 00-0001)</small> Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0003	EA		12" x 12" x 48" Single Tier Institutional Or Corridor Locker.....	155.68	18.12
			For >25 To 50, Deduct	-5.97	
			For >50 To 100, Deduct	-12.49	
			For >100, Deduct	-19.01	
			For 14 Gauge Doors, Add	9.56	
10 51 13 00-0004	EA		12" x 15" x 48" Single Tier Institutional Or Corridor Locker.....	160.42	18.12
			For >25 To 50, Deduct	-6.21	
			For >50 To 100, Deduct	-12.96	
			For >100, Deduct	-19.72	
			For 14 Gauge Doors, Add	9.94	
10 51 13 00-0005	EA		12" x 18" x 48" Single Tier Institutional Or Corridor Locker.....	165.14	18.12
			For >25 To 50, Deduct	-6.45	
			For >50 To 100, Deduct	-13.44	
			For >100, Deduct	-20.42	
			For 14 Gauge Doors, Add	10.31	
10 51 13 00-0006	EA		12" x 12" x 60" Single Tier Institutional Or Corridor Locker.....	147.04	18.12
			For >25 To 50, Deduct	-5.54	
			For >50 To 100, Deduct	-11.63	
			For >100, Deduct	-17.71	
			For 14 Gauge Doors, Add	8.87	
10 51 13 00-0007	EA		12" x 15" x 60" Single Tier Institutional Or Corridor Locker.....	152.91	18.12
			For >25 To 50, Deduct	-5.83	
			For >50 To 100, Deduct	-12.21	
			For >100, Deduct	-18.59	
			For 14 Gauge Doors, Add	9.34	
10 51 13 00-0008	EA		12" x 18" x 60" Single Tier Institutional Or Corridor Locker.....	160.94	18.12
			For >25 To 50, Deduct	-6.24	
			For >50 To 100, Deduct	-13.02	
			For >100, Deduct	-19.79	
			For 14 Gauge Doors, Add	9.98	
10 51 13 00-0009	EA		12" x 12" x 72" Single Tier Institutional Or Corridor Locker.....	160.39	18.69
			For >25 To 50, Deduct	-6.15	
			For >50 To 100, Deduct	-12.86	
			For >100, Deduct	-19.57	
			For 14 Gauge Doors, Add	9.84	
10 51 13 00-0010	EA		12" x 15" x 72" Single Tier Institutional Or Corridor Locker.....	165.26	18.69
			For >25 To 50, Deduct	-6.39	
			For >50 To 100, Deduct	-13.35	
			For >100, Deduct	-20.30	
			For 14 Gauge Doors, Add	10.23	
10 51 13 00-0011	EA		12" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	170.00	18.69
			For >25 To 50, Deduct	-6.63	
			For >50 To 100, Deduct	-13.82	
			For >100, Deduct	-21.01	
			For 14 Gauge Doors, Add	10.61	
10 51 13 00-0012	EA		15" x 15" x 72" Single Tier Institutional Or Corridor Locker.....	178.20	18.69
			For >25 To 50, Deduct	-7.04	
			For >50 To 100, Deduct	-14.64	
			For >100, Deduct	-22.24	
			For 14 Gauge Doors, Add	11.26	
10 51 13 00-0013	EA		15" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	186.30	18.69
			For >25 To 50, Deduct	-7.45	
			For >50 To 100, Deduct	-15.45	
			For >100, Deduct	-23.46	
			For 14 Gauge Doors, Add	11.91	
10 51 13 00-0014	EA		18" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	194.89	18.69
			For >25 To 50, Deduct	-7.88	
			For >50 To 100, Deduct	-16.31	
			For >100, Deduct	-24.75	
			For 14 Gauge Doors, Add	12.60	
10 51 13 00-0015	EA		18" x 21" x 72" Single Tier Institutional Or Corridor Locker.....	202.82	18.69
			For >25 To 50, Deduct	-8.27	
			For >50 To 100, Deduct	-17.10	
			For >100, Deduct	-25.94	
			For 14 Gauge Doors, Add	13.23	
10 51 13 00-0016	EA		24" x 24" x 72" Single Tier Institutional Or Corridor Locker.....	275.27	18.69
			For >25 To 50, Deduct	-11.89	
			For >50 To 100, Deduct	-24.35	
			For >100, Deduct	-36.80	
			For 14 Gauge Doors, Add	19.03	
10 51 13 00-0017			Two Tier Institutional Or Corridor Locker <small>(10 51 13 00-0001)</small> Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0018	EA		12" x 12" x 60" Two Tier Institutional Or Corridor Locker.....	174.09	18.69
			For >25 To 50, Deduct	-6.84	
			For >50 To 100, Deduct	-14.23	
			For >100, Deduct	-21.63	
			For 14 Gauge Doors, Add	15.04	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0019 EA 12" x 15" x 60" Two Tier Institutional Or Corridor Locker.....	177.79	18.69
For >25 To 50, Deduct	-7.02	
For >50 To 100, Deduct	-14.60	
For >100, Deduct	-22.18	
For 14 Gauge Doors, Add	15.44	
10 51 13 00-0020 EA 12" x 18" x 60" Two Tier Institutional Or Corridor Locker.....	181.52	18.69
For >25 To 50, Deduct	-7.21	
For >50 To 100, Deduct	-14.97	
For >100, Deduct	-22.74	
For 14 Gauge Doors, Add	15.85	
10 51 13 00-0021 EA 12" x 12" x 72" Two Tier Institutional Or Corridor Locker.....	182.06	19.27
For >25 To 50, Deduct	-7.18	
For >50 To 100, Deduct	-14.93	
For >100, Deduct	-22.68	
For 14 Gauge Doors, Add	15.79	
10 51 13 00-0022 EA 12" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	190.14	19.27
For >25 To 50, Deduct	-7.58	
For >50 To 100, Deduct	-15.74	
For >100, Deduct	-23.89	
For 14 Gauge Doors, Add	16.67	
10 51 13 00-0023 EA 12" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	195.02	19.27
For >25 To 50, Deduct	-7.82	
For >50 To 100, Deduct	-16.22	
For >100, Deduct	-24.63	
For 14 Gauge Doors, Add	17.21	
10 51 13 00-0024 EA 15" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	202.02	19.27
For >25 To 50, Deduct	-8.17	
For >50 To 100, Deduct	-16.92	
For >100, Deduct	-25.68	
For 14 Gauge Doors, Add	17.98	
10 51 13 00-0025 EA 15" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	209.05	19.27
For >25 To 50, Deduct	-8.52	
For >50 To 100, Deduct	-17.63	
For >100, Deduct	-26.73	
For 14 Gauge Doors, Add	18.75	
10 51 13 00-0026 EA 18" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	240.85	19.27
For >25 To 50, Deduct	-10.11	
For >50 To 100, Deduct	-20.81	
For >100, Deduct	-31.50	
For 14 Gauge Doors, Add	22.25	
10 51 13 00-0027 EA 18" x 21" x 72" Two Tier Institutional Or Corridor Locker.....	246.62	19.27
For >25 To 50, Deduct	-10.40	
For >50 To 100, Deduct	-21.38	
For >100, Deduct	-32.37	
For 14 Gauge Doors, Add	22.89	
10 51 13 00-0028 Three Tier Institutional Or Corridor Locker <small>(10 51 13 00-0001)</small>		
Note: Includes one double hook per tier.		
10 51 13 00-0029 EA 12" x 12" x 72" Three Tier Institutional Or Corridor Locker.....	204.70	19.86
For >25 To 50, Deduct	-8.25	
For >50 To 100, Deduct	-17.09	
For >100, Deduct	-25.94	
For 14 Gauge Doors, Add	24.75	
10 51 13 00-0030 EA 12" x 15" x 72" Three Tier Institutional Or Corridor Locker.....	208.49	19.86
For >25 To 50, Deduct	-8.44	
For >50 To 100, Deduct	-17.47	
For >100, Deduct	-26.51	
For 14 Gauge Doors, Add	25.31	
10 51 13 00-0031 EA 12" x 18" x 72" Three Tier Institutional Or Corridor Locker.....	221.99	19.86
For >25 To 50, Deduct	-9.11	
For >50 To 100, Deduct	-18.82	
For >100, Deduct	-28.53	
For 14 Gauge Doors, Add	27.34	
10 51 13 00-0032 EA 15" x 15" x 72" Three Tier Institutional Or Corridor Locker.....	234.92	19.86
For >25 To 50, Deduct	-9.76	
For >50 To 100, Deduct	-20.11	
For >100, Deduct	-30.47	
For 14 Gauge Doors, Add	29.28	
10 51 13 00-0033 EA 15" x 18" x 72" Three Tier Institutional Or Corridor Locker.....	245.21	19.86
For >25 To 50, Deduct	-10.27	
For >50 To 100, Deduct	-21.14	
For >100, Deduct	-32.01	
For 14 Gauge Doors, Add	30.82	
10 51 13 00-0034 Four Tier Institutional Or Corridor Locker <small>(10 51 13 00-0001)</small>		
10 51 13 00-0035 EA 12" x 12" x 72" Four Tier Institutional Or Corridor Locker.....	200.78	20.45
For >25 To 50, Deduct	-7.99	
For >50 To 100, Deduct	-16.60	
For >100, Deduct	-25.21	
10 51 13 00-0036 EA 12" x 15" x 72" Four Tier Institutional Or Corridor Locker.....	207.41	20.45
For >25 To 50, Deduct	-8.33	
For >50 To 100, Deduct	-17.27	
For >100, Deduct	-26.20	

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0037 EA 12" x 18" x 72" Four Tier Institutional Or Corridor Locker	218.07	20.45
For >25 To 50, Deduct	-8.86	
For >50 To 100, Deduct	-18.33	
For >100, Deduct	-27.80	
10 51 13 00-0038 EA 15" x 15" x 72" Four Tier Institutional Or Corridor Locker	226.60	20.45
For >25 To 50, Deduct	-9.29	
For >50 To 100, Deduct	-19.18	
For >100, Deduct	-29.08	
10 51 13 00-0039 EA 15" x 18" x 72" Four Tier Institutional Or Corridor Locker	238.89	20.45
For >25 To 50, Deduct	-9.90	
For >50 To 100, Deduct	-20.41	
For >100, Deduct	-30.93	
10 51 13 00-0040 Six Tier Institutional Or Corridor Locker (10 51 13 00-0001)		
10 51 13 00-0041 EA 12" x 12" x 72" Six Tier Institutional Or Corridor Locker	218.62	21.03
For >25 To 50, Deduct	-8.83	
For >50 To 100, Deduct	-18.29	
For >100, Deduct	-27.75	
10 51 13 00-0042 EA 12" x 15" x 72" Six Tier Institutional Or Corridor Locker	223.73	21.03
For >25 To 50, Deduct	-9.08	
For >50 To 100, Deduct	-18.80	
For >100, Deduct	-28.51	
10 51 13 00-0043 EA 12" x 18" x 72" Six Tier Institutional Or Corridor Locker	233.38	21.03
For >25 To 50, Deduct	-9.57	
For >50 To 100, Deduct	-19.76	
For >100, Deduct	-29.96	
10 51 13 00-0044 Locker And Coat Rack Combination (10 51 13 00-0001)		
10 51 13 00-0045 EA 45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination	408.02	14.02
10 51 13 00-0046 EA 72" x 18" x 78", 16 Person Locker And Coat Rack Combination	651.44	29.21
10 51 13 00-0047 Athletic Lockers (10 51 13)		
Note: Price per frame. Includes baked enamel paint, diamond perforated doors and sides, 16 gauge solid top, bottom, and shelves and 6" legs. Excludes slope top, base fillers, and lockers.		
10 51 13 00-0048 Single Tier Athletic Locker (10 51 13 00-0047)		
Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0049 EA 12" x 15" x 60" Single Tier Athletic Locker	221.81	18.69
For >25 To 50, Deduct	-9.22	
For >50 To 100, Deduct	-19.00	
For >100, Deduct	-28.78	
10 51 13 00-0050 EA 12" x 18" x 60" Single Tier Athletic Locker	229.60	18.69
For >25 To 50, Deduct	-9.61	
For >50 To 100, Deduct	-19.78	
For >100, Deduct	-29.95	
10 51 13 00-0051 EA 15" x 15" x 60" Single Tier Athletic Locker	234.61	18.69
For >25 To 50, Deduct	-9.86	
For >50 To 100, Deduct	-20.28	
For >100, Deduct	-30.70	
10 51 13 00-0052 EA 15" x 18" x 60" Single Tier Athletic Locker	242.92	18.69
For >25 To 50, Deduct	-10.28	
For >50 To 100, Deduct	-21.11	
For >100, Deduct	-31.95	
10 51 13 00-0053 EA 18" x 18" x 60" Single Tier Athletic Locker	278.79	18.69
For >25 To 50, Deduct	-12.07	
For >50 To 100, Deduct	-24.70	
For >100, Deduct	-37.33	
10 51 13 00-0054 EA 18" x 21" x 60" Single Tier Athletic Locker	307.30	18.69
For >25 To 50, Deduct	-13.50	
For >50 To 100, Deduct	-27.55	
For >100, Deduct	-41.61	
10 51 13 00-0055 EA 18" x 24" x 60" Single Tier Athletic Locker	326.81	18.69
For >25 To 50, Deduct	-14.47	
For >50 To 100, Deduct	-29.50	
For >100, Deduct	-44.53	
10 51 13 00-0056 EA 12" x 15" x 72" Single Tier Athletic Locker	230.45	18.69
For >25 To 50, Deduct	-9.65	
For >50 To 100, Deduct	-19.87	
For >100, Deduct	-30.08	
10 51 13 00-0057 EA 12" x 18" x 72" Single Tier Athletic Locker	244.48	18.69
For >25 To 50, Deduct	-10.35	
For >50 To 100, Deduct	-21.27	
For >100, Deduct	-32.19	
10 51 13 00-0058 EA 15" x 15" x 72" Single Tier Athletic Locker	249.41	18.69
For >25 To 50, Deduct	-10.60	
For >50 To 100, Deduct	-21.76	
For >100, Deduct	-32.92	
10 51 13 00-0059 EA 15" x 18" x 72" Single Tier Athletic Locker	258.42	18.69
For >25 To 50, Deduct	-11.05	
For >50 To 100, Deduct	-22.66	
For >100, Deduct	-34.28	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0060 EA 18" x 18" x 72" Single Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	280.63 -12.16 -24.88 -37.61	18.69
10 51 13 00-0061 EA 18" x 21" x 72" Single Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	303.90 -13.33 -27.21 -41.10	18.69
10 51 13 00-0062 Two Tier Athletic Locker <small>(10 51 13 00-0047)</small> Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0063 EA 12" x 12" x 60" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	248.99 -10.52 -21.62 -32.72	19.27
10 51 13 00-0064 EA 12" x 15" x 60" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	257.28 -10.94 -22.45 -33.96	19.27
10 51 13 00-0065 EA 12" x 18" x 60" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	266.61 -11.40 -23.38 -35.36	19.27
10 51 13 00-0066 EA 15" x 15" x 60" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	267.52 -11.45 -23.47 -35.50	19.27
10 51 13 00-0067 EA 15" x 18" x 60" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	269.46 -11.55 -23.67 -35.79	19.27
10 51 13 00-0068 EA 18" x 18" x 60" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	285.86 -12.37 -25.31 -38.25	19.27
10 51 13 00-0069 EA 18" x 21" x 60" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	297.87 -12.97 -26.51 -40.05	19.27
10 51 13 00-0070 EA 18" x 24" x 60" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	351.50 -15.65 -31.87 -48.10	19.27
10 51 13 00-0071 EA 12" x 12" x 72" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	257.96 -10.97 -22.52 -34.07	19.27
10 51 13 00-0072 EA 12" x 15" x 72" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	266.45 -11.39 -23.37 -35.34	19.27
10 51 13 00-0073 EA 12" x 18" x 72" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	278.03 -11.97 -24.53 -37.08	19.27
10 51 13 00-0074 EA 15" x 15" x 72" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	279.78 -12.06 -24.70 -37.34	19.27
10 51 13 00-0075 EA 15" x 18" x 72" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	289.30 -12.54 -25.65 -38.77	19.27
10 51 13 00-0076 EA 18" x 18" x 72" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	300.98 -13.12 -26.82 -40.52	19.27
10 51 13 00-0077 EA 18" x 21" x 72" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	327.21 -14.43 -29.44 -44.45	19.27
10 51 13 00-0078 Three Tier Athletic Locker <small>(10 51 13 00-0047)</small> Note: Includes one double hook per tier.		
10 51 13 00-0079 EA 12" x 12" x 60" Three Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	270.12 -11.52 -23.63 -35.75	19.86
10 51 13 00-0080 EA 12" x 15" x 60" Three Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	283.56 -12.19 -24.98 -37.77	19.86

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0081	EA	12" x 18" x 60" Three Tier Athletic Locker.....	295.44	19.86
			<i>For >25 To 50, Deduct</i>	-12.79	
			<i>For >50 To 100, Deduct</i>	-26.17	
			<i>For >100, Deduct</i>	-39.55	
10 51	13 00-0082	EA	15" x 15" x 60" Three Tier Athletic Locker.....	303.51	19.86
			<i>For >25 To 50, Deduct</i>	-13.19	
			<i>For >50 To 100, Deduct</i>	-26.97	
			<i>For >100, Deduct</i>	-40.76	
10 51	13 00-0083	EA	15" x 18" x 60" Three Tier Athletic Locker.....	316.94	19.86
			<i>For >25 To 50, Deduct</i>	-13.86	
			<i>For >50 To 100, Deduct</i>	-28.32	
			<i>For >100, Deduct</i>	-42.77	
10 51	13 00-0084	EA	12" x 12" x 72" Three Tier Athletic Locker.....	285.43	19.86
			<i>For >25 To 50, Deduct</i>	-12.29	
			<i>For >50 To 100, Deduct</i>	-25.17	
			<i>For >100, Deduct</i>	-38.05	
10 51	13 00-0085	EA	12" x 15" x 72" Three Tier Athletic Locker.....	297.57	19.86
			<i>For >25 To 50, Deduct</i>	-12.89	
			<i>For >50 To 100, Deduct</i>	-26.38	
			<i>For >100, Deduct</i>	-39.87	
10 51	13 00-0086	EA	12" x 18" x 72" Three Tier Athletic Locker.....	314.31	19.86
			<i>For >25 To 50, Deduct</i>	-13.73	
			<i>For >50 To 100, Deduct</i>	-28.05	
			<i>For >100, Deduct</i>	-42.38	
10 51	13 00-0087	EA	15" x 15" x 72" Three Tier Athletic Locker.....	322.88	19.86
			<i>For >25 To 50, Deduct</i>	-14.16	
			<i>For >50 To 100, Deduct</i>	-28.91	
			<i>For >100, Deduct</i>	-43.66	
10 51	13 00-0088	EA	15" x 18" x 72" Three Tier Athletic Locker.....	335.74	19.86
			<i>For >25 To 50, Deduct</i>	-14.80	
			<i>For >50 To 100, Deduct</i>	-30.20	
			<i>For >100, Deduct</i>	-45.59	
10 51	13 00-0089		Four Tier Athletic Locker <small>(10 51 13 00-0047)</small>		
10 51	13 00-0090	EA	12" x 12" x 60" Four Tier Athletic Locker.....	248.37	20.45
			<i>For >25 To 50, Deduct</i>	-10.37	
			<i>For >50 To 100, Deduct</i>	-21.36	
			<i>For >100, Deduct</i>	-32.35	
10 51	13 00-0091	EA	12" x 15" x 60" Four Tier Athletic Locker.....	264.82	20.45
			<i>For >25 To 50, Deduct</i>	-11.20	
			<i>For >50 To 100, Deduct</i>	-23.01	
			<i>For >100, Deduct</i>	-34.82	
10 51	13 00-0092	EA	12" x 18" x 60" Four Tier Athletic Locker.....	281.28	20.45
			<i>For >25 To 50, Deduct</i>	-12.02	
			<i>For >50 To 100, Deduct</i>	-24.65	
			<i>For >100, Deduct</i>	-37.29	
10 51	13 00-0093	EA	15" x 15" x 60" Four Tier Athletic Locker.....	288.00	20.45
			<i>For >25 To 50, Deduct</i>	-12.36	
			<i>For >50 To 100, Deduct</i>	-25.32	
			<i>For >100, Deduct</i>	-38.29	
10 51	13 00-0094	EA	15" x 18" x 60" Four Tier Athletic Locker.....	315.03	20.45
			<i>For >25 To 50, Deduct</i>	-13.71	
			<i>For >50 To 100, Deduct</i>	-28.03	
			<i>For >100, Deduct</i>	-42.35	
10 51	13 00-0095	EA	12" x 12" x 72" Four Tier Athletic Locker.....	265.11	20.45
			<i>For >25 To 50, Deduct</i>	-11.21	
			<i>For >50 To 100, Deduct</i>	-23.04	
			<i>For >100, Deduct</i>	-34.86	
10 51	13 00-0096	EA	12" x 15" x 72" Four Tier Athletic Locker.....	281.80	20.45
			<i>For >25 To 50, Deduct</i>	-12.05	
			<i>For >50 To 100, Deduct</i>	-24.70	
			<i>For >100, Deduct</i>	-37.36	
10 51	13 00-0097	EA	12" x 18" x 72" Four Tier Athletic Locker.....	298.49	20.45
			<i>For >25 To 50, Deduct</i>	-12.88	
			<i>For >50 To 100, Deduct</i>	-26.37	
			<i>For >100, Deduct</i>	-39.87	
10 51	13 00-0098	EA	15" x 15" x 72" Four Tier Athletic Locker.....	307.04	20.45
			<i>For >25 To 50, Deduct</i>	-13.31	
			<i>For >50 To 100, Deduct</i>	-27.23	
			<i>For >100, Deduct</i>	-41.15	
10 51	13 00-0099	EA	15" x 18" x 72" Four Tier Athletic Locker.....	313.45	20.45
			<i>For >25 To 50, Deduct</i>	-13.63	
			<i>For >50 To 100, Deduct</i>	-27.87	
			<i>For >100, Deduct</i>	-42.11	
10 51	13 00-0100		Six Tier Athletic Locker <small>(10 51 13 00-0047)</small>		
10 51	13 00-0101	EA	12" x 12" x 72" Six Tier Athletic Locker.....	294.35	21.03
			<i>For >25 To 50, Deduct</i>	-12.61	
			<i>For >50 To 100, Deduct</i>	-25.86	
			<i>For >100, Deduct</i>	-39.11	



Specialties	10
Storage Specialties	10 50
Lockers	10 51

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0102 EA 12" x 15" x 72" Six Tier Athletic Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	307.18 -13.26 -27.14 -41.03	21.03
10 51 13 00-0103 EA 12" x 18" x 72" Six Tier Athletic Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	319.97 -13.90 -28.42 -42.95	21.03
10 51 13 00-0104 EA 12" x 21" x 72" Six Tier Athletic Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	366.69 -16.23 -33.09 -49.96	21.03
10 51 13 00-0105 Metal Locker Accessories (10 51 13)		
10 51 13 00-0106 Locker Slope Tops (10 51 13 00-0105)		
10 51 13 00-0107 16 Gauge Continuous Sloping Hood (10 51 13 00-0106)		
10 51 13 00-0108 LF 12" Deep, 16 Gauge Continuous Slope Top.....	18.34	2.34
10 51 13 00-0109 LF 15" Deep, 16 Gauge Continuous Slope Top.....	15.42	2.34
10 51 13 00-0110 LF 18" Deep, 16 Gauge Continuous Slope Top.....	21.33	2.34
10 51 13 00-0111 LF 21" Deep, 16 Gauge Continuous Slope Top.....	23.60	2.34
10 51 13 00-0112 LF 24" Deep, 16 Gauge Continuous Slope Top.....	24.67	2.34
10 51 13 00-0113 16 Gauge Slope Top Corner Fillers (10 51 13 00-0106)		
10 51 13 00-0114 EA 12" Deep, 16 Gauge Slope Top Corner Fillers.....	76.97	2.34
10 51 13 00-0115 EA 15" Deep, 16 Gauge Slope Top Corner Fillers.....	78.63	2.34
10 51 13 00-0116 EA 18" Deep, 16 Gauge Slope Top Corner Fillers.....	80.27	2.34
10 51 13 00-0117 EA 21" Deep, 16 Gauge Slope Top Corner Fillers.....	82.27	2.34
10 51 13 00-0118 EA 24" Deep, 16 Gauge Slope Top Corner Fillers.....	84.25	2.34
10 51 13 00-0119 20 Gauge Individual Slope Top (10 51 13 00-0106)		
10 51 13 00-0120 EA 12" Wide x 12" Deep 20 Gauge Individual Slope Top.....	15.71	2.34
10 51 13 00-0121 EA 12" Wide x 15" Deep 20 Gauge Individual Slope Top.....	15.60	2.34
10 51 13 00-0122 EA 12" Wide x 18" Deep 20 Gauge Individual Slope Top.....	17.40	2.34
10 51 13 00-0123 EA 15" Wide x 15" Deep 20 Gauge Individual Slope Top.....	17.40	2.34
10 51 13 00-0124 EA 15" Wide x 18" Deep 20 Gauge Individual Slope Top.....	17.83	2.34
10 51 13 00-0125 EA 15" Wide x 21" Deep 20 Gauge Individual Slope Top.....	19.53	2.34
10 51 13 00-0126 EA 18" Wide x 18" Deep 20 Gauge Individual Slope Top.....	19.53	2.34
10 51 13 00-0127 EA 18" Wide x 21" Deep 20 Gauge Individual Slope Top.....	21.76	2.34
10 51 13 00-0128 EA 18" Wide x 24" Deep 20 Gauge Individual Slope Top.....	24.42	2.34
10 51 13 00-0129 Continuous Slope Top End Closures (10 51 13 00-0106)		
10 51 13 00-0130 PR 12" Deep, Continuous Slope Top End Closures.....	16.77	2.34
10 51 13 00-0131 PR 15" Deep, Continuous Slope Top End Closures.....	14.20	2.34
10 51 13 00-0132 PR 18" Deep, Continuous Slope Top End Closures.....	18.89	2.34
10 51 13 00-0133 PR 21" Deep, Continuous Slope Top End Closures.....	19.95	2.34
10 51 13 00-0134 PR 24" Deep, Continuous Slope Top End Closures.....	20.68	2.34
10 51 13 00-0135 Individual Slope Top End Closures (10 51 13 00-0106)		
10 51 13 00-0136 EA 12" Deep, Individual Slope Top End Closures.....	10.72	2.34
10 51 13 00-0137 EA 15" Deep, Individual Slope Top End Closures.....	11.05	2.34
10 51 13 00-0138 EA 18" Deep, Individual Slope Top End Closures.....	11.79	2.34
10 51 13 00-0139 EA 21" Deep, Individual Slope Top End Closures.....	12.30	2.34
10 51 13 00-0140 EA 24" Deep, Individual Slope Top End Closures.....	17.54	2.34
10 51 13 00-0141 Locker Base (10 51 13 00-0105)		
10 51 13 00-0142 Closed Front Base (10 51 13 00-0141)		
10 51 13 00-0143 EA 12" Wide, 6" High Closed Front Base.....	11.29	2.34
10 51 13 00-0144 EA 15" Wide, 6" High Closed Front Base.....	11.84	2.34
10 51 13 00-0145 EA 18" Wide, 6" High Closed Front Base.....	13.00	2.34
10 51 13 00-0146 EA 24" Wide, 6" High Closed Front Base.....	13.55	2.34
10 51 13 00-0147 Closed End Base (10 51 13 00-0141)		
10 51 13 00-0148 EA 12" Deep, 6" High Closed End Base.....	12.83	2.34
10 51 13 00-0149 EA 15" Deep, 6" High Closed End Base.....	12.92	2.34
10 51 13 00-0150 EA 18" Deep, 6" High Closed End Base.....	13.67	2.34
10 51 13 00-0151 EA 21" Deep, 6" High Closed End Base.....	14.41	2.34
10 51 13 00-0152 EA 24" Deep, 6" High Closed End Base.....	15.41	2.34
10 51 13 00-0153 Recessed Continuous Front "Z" Base (10 51 13 00-0141)		
10 51 13 00-0154 LF 4" High Recessed Continuous Front "Z" Base.....	13.58	1.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0155 "Z" Base Ends Or Splice <small>(10 51 13 00-0141)</small>		
10 51 13 00-0156 EA 12" Wide, 4" High Z-Base Ends Or Splice	13.42	2.34
10 51 13 00-0157 EA 15" Wide, 4" High Z-Base Ends Or Splice	15.60	2.34
10 51 13 00-0158 EA 18" Wide, 4" High Z-Base Ends Or Splice	17.83	2.34
10 51 13 00-0159 EA 21" Wide, 4" High Z-Base Ends Or Splice	20.17	2.34
10 51 13 00-0160 EA 24" Wide, 4" High Z-Base Ends Or Splice	22.50	2.34
10 51 13 00-0161 Locker Front Fillers And End Panels <small>(10 51 13 00-0105)</small>		
10 51 13 00-0162 Locker Front Fillers <small>(10 51 13 00-0161)</small>		
10 51 13 00-0163 EA 6" Wide x 48" High, 16 Gauge Front Filler	17.51	2.92
10 51 13 00-0164 EA 12" Wide x 48" High, 16 Gauge Front Filler	28.65	2.92
10 51 13 00-0165 EA 6" Wide x 60" High, 16 Gauge Front Filler	22.09	2.92
10 51 13 00-0166 EA 12" Wide x 60" High, 16 Gauge Front Filler	34.36	2.92
10 51 13 00-0167 EA 6" Wide x 66" High, 16 Gauge Front Filler	24.09	2.92
10 51 13 00-0168 EA 12" Wide x 66" High, 16 Gauge Front Filler	27.12	2.92
10 51 13 00-0169 EA 6" Wide x 72" High, 16 Gauge Front Filler	26.41	2.92
10 51 13 00-0170 EA 12" Wide x 72" High, 16 Gauge Front Filler	37.67	2.92
10 51 13 00-0171 EA 6" Wide x 78" High, 16 Gauge Front Filler	27.05	2.92
10 51 13 00-0172 EA 12" Wide x 78" High, 16 Gauge Front Filler	31.60	2.92
10 51 13 00-0173 Locker End Panels <small>(10 51 13 00-0161)</small>		
10 51 13 00-0174 EA 12" Deep x 48" High, 16 Gauge End Panel	29.23	2.34
10 51 13 00-0175 EA 15" Deep x 48" High, 16 Gauge End Panel	35.78	2.34
10 51 13 00-0176 EA 18" Deep x 48" High, 16 Gauge End Panel	42.09	2.34
10 51 13 00-0177 EA 12" Deep x 60" High, 16 Gauge End Panel	34.60	2.34
10 51 13 00-0178 EA 15" Deep x 60" High, 16 Gauge End Panel	39.30	2.34
10 51 13 00-0179 EA 18" Deep x 60" High, 16 Gauge End Panel	46.70	2.34
10 51 13 00-0180 EA 12" Deep x 72" High, 16 Gauge End Panel	40.85	2.34
10 51 13 00-0181 EA 15" Deep x 72" High, 16 Gauge End Panel	46.57	2.34
10 51 13 00-0182 EA 18" Deep x 72" High, 16 Gauge End Panel	54.18	2.34
10 51 13 00-0183 EA 21" Deep x 72" High, 16 Gauge End Panel	62.44	2.34
10 51 13 00-0184 Locker Recessed Trim <small>(10 51 13 00-0105)</small>		
10 51 13 00-0185 LF 3" Height, Top Trim For Recessed Lockers	5.90	1.17
10 51 13 00-0186 EA 3" Height, Inside And Outside Top Corner Trim For Recessed Lockers	16.43	2.34
10 51 13 00-0187 EA 60" Height, 3" Wide Side Trim For Recessed Lockers.....	25.25	2.34
10 51 13 00-0188 EA 66" Height, 3" Wide Side Trim For Recessed Lockers.....	26.18	2.34
10 51 13 00-0189 EA 72" Height, 3" Wide Side Trim For Recessed Lockers.....	27.11	2.34
10 51 13 00-0190 EA 78" Height, 3" Wide Side Trim For Recessed Lockers.....	27.92	2.34
10 51 13 00-0191 Locker Interior Accessories <small>(10 51 13 00-0105)</small>		
10 51 13 00-0192 Locker Coat Rods <small>(10 51 13 00-0191)</small>		
10 51 13 00-0193 EA 12" Wide Coat Rod	8.67	2.34
10 51 13 00-0194 EA 15" Wide Coat Rod	9.54	2.34
10 51 13 00-0195 EA 18" Wide Coat Rod	10.31	2.34
10 51 13 00-0196 EA 24" Wide Coat Rod	10.99	2.34
10 51 13 00-0197 Locker Hat Shelf <small>(10 51 13 00-0191)</small>		
10 51 13 00-0198 EA 12" Wide Hat Shelf.....	10.50	2.34
10 51 13 00-0199 EA 15" Wide Hat Shelf.....	12.37	2.34
10 51 13 00-0200 EA 18" Wide Hat Shelf.....	13.16	2.34
10 51 13 00-0201 EA 24" Wide Hat Shelf.....	16.28	2.34
10 51 13 00-0202 Locker ADA Compliant Shelf <small>(10 51 13 00-0191)</small>		
10 51 13 00-0203 EA ADA Compliant Shelf For Single Tier Lockers	21.00	2.92
Note: Includes an ADA label for locker face.		
10 51 13 00-0204 Other Interior Locker Accessories <small>(10 51 13 00-0191)</small>		
10 51 13 00-0205 EA 3" x 10" Bent Plate Shoe Rack.....	27.99	2.34
10 51 13 00-0206 EA 8" x 10" Mirror	22.16	2.34
10 51 13 00-0207 EA Additional Hook.....	6.13	2.34
10 51 13 00-0208 Locker Locks <small>(10 51 13 00-0105)</small>		
10 51 13 00-0209 EA Built In Combination Lock	24.34	2.34
10 51 13 00-0210 Locker Repair And Refinishing <small>(10 51 13)</small>		
10 51 13 00-0211 EA Replace Single Tier Locker Door	196.59	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0212 EA Replace Two Tier Locker Door	154.51	
10 51 13 00-0213 EA Replace Three Tier Locker Door.....	132.25	
10 51 13 00-0214 EA Replace Four Tier Locker Door.....	111.40	
10 51 13 00-0215 EA Replace Six Tier Or Sixteen Person Locker Door.....	60.82	
10 51 13 00-0216 EA Realign Metal Locker Door For Proper Closure	26.19	
10 51 13 00-0217 SF Patch Small Drill Holes in Locker.....	5.24	
10 51 13 00-0218 Steel Basket Racks Mounted On Concrete Base <small>(10 51 13)</small>		
Note: Includes electroplated baskets with 3/4" x 1" wire mesh sides and bottom with perforated sheet steel front and backs.		
10 51 13 00-0219 EA 9" x 13" x 8" Baskets, 28 Wire Mesh Baskets And Rack	1,148.80	43.82
10 51 13 00-0220 EA 12" x 13" x 8" Baskets, 21 Wire Mesh Baskets And Rack	981.15	43.82
10 51 13 00-0221 All-Welded Steel Lockers <small>(10 51 13)</small>		
10 51 13 00-0222 All-Welded Steel Lockers <small>(10 51 13 00-0221)</small>		
Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.		
10 51 13 00-0223 Single Tier, All-Welded Steel Lockers <small>(10 51 13 00-0222)</small>		
Note: Includes one hat shelf, two single hooks and one double hook.		
10 51 13 00-0224 EA 12" x 12" x 48" Single Tier, All-Welded Steel Locker	225.96	10.23
For >25 To 50, Deduct	-10.57	
For >50 To 100, Deduct	-21.36	
For >100, Deduct	-32.14	
10 51 13 00-0225 EA 12" x 15" x 48" Single Tier, All-Welded Steel Locker	238.44	10.23
For >25 To 50, Deduct	-11.19	
For >50 To 100, Deduct	-22.60	
For >100, Deduct	-34.01	
10 51 13 00-0226 EA 12" x 18" x 48" Single Tier, All-Welded Steel Locker	250.45	10.23
For >25 To 50, Deduct	-11.79	
For >50 To 100, Deduct	-23.80	
For >100, Deduct	-35.82	
10 51 13 00-0227 EA 12" x 12" x 60" Single Tier, All-Welded Steel Locker	236.26	10.23
For >25 To 50, Deduct	-11.08	
For >50 To 100, Deduct	-22.39	
For >100, Deduct	-33.69	
10 51 13 00-0228 EA 12" x 15" x 60" Single Tier, All-Welded Steel Locker	248.27	10.23
For >25 To 50, Deduct	-11.68	
For >50 To 100, Deduct	-23.59	
For >100, Deduct	-35.49	
10 51 13 00-0229 EA 12" x 18" x 60" Single Tier, All-Welded Steel Locker	260.28	10.23
For >25 To 50, Deduct	-12.28	
For >50 To 100, Deduct	-24.79	
For >100, Deduct	-37.29	
10 51 13 00-0230 EA 12" x 12" x 72" Single Tier, All-Welded Steel Locker	248.84	11.25
For >25 To 50, Deduct	-11.64	
For >50 To 100, Deduct	-23.52	
For >100, Deduct	-35.40	
10 51 13 00-0231 EA 12" x 15" x 72" Single Tier, All-Welded Steel Locker	259.96	11.25
For >25 To 50, Deduct	-12.19	
For >50 To 100, Deduct	-24.63	
For >100, Deduct	-37.07	
10 51 13 00-0232 EA 12" x 18" x 72" Single Tier, All-Welded Steel Locker	271.97	11.25
For >25 To 50, Deduct	-12.80	
For >50 To 100, Deduct	-25.83	
For >100, Deduct	-38.87	
10 51 13 00-0233 EA 15" x 15" x 72" Single Tier, All-Welded Steel Locker	283.20	11.25
For >25 To 50, Deduct	-13.36	
For >50 To 100, Deduct	-26.95	
For >100, Deduct	-40.55	
10 51 13 00-0234 EA 15" x 18" x 72" Single Tier, All-Welded Steel Locker	292.46	11.25
For >25 To 50, Deduct	-13.82	
For >50 To 100, Deduct	-27.88	
For >100, Deduct	-41.94	
10 51 13 00-0235 EA 18" x 18" x 72" Single Tier, All-Welded Steel Locker	305.22	11.25
For >25 To 50, Deduct	-14.46	
For >50 To 100, Deduct	-29.16	
For >100, Deduct	-43.85	
10 51 13 00-0236 EA 18" x 21" x 72" Single Tier, All-Welded Steel Locker	319.58	11.25
For >25 To 50, Deduct	-15.18	
For >50 To 100, Deduct	-30.59	
For >100, Deduct	-46.01	
10 51 13 00-0237 EA 24" x 24" x 72" Single Tier, All-Welded Steel Locker	535.88	11.25
For >25 To 50, Deduct	-25.99	
For >50 To 100, Deduct	-52.22	
For >100, Deduct	-78.45	
10 51 13 00-0238 Two Tier, All-Welded Steel Lockers <small>(10 51 13 00-0222)</small>		
Note: Includes two single hooks and one double hook per tier.		

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0239	EA	12" x 12" x 60" Two Tier, All-Welded Steel Locker.....	275.20	10.23
			<i>For >25 To 50, Deduct</i>	-13.03	
			<i>For >50 To 100, Deduct</i>	-26.28	
			<i>For >100, Deduct</i>	-39.53	
10 51	13 00-0240	EA	12" x 15" x 60" Two Tier, All-Welded Steel Locker.....	280.71	10.23
			<i>For >25 To 50, Deduct</i>	-13.31	
			<i>For >50 To 100, Deduct</i>	-26.83	
			<i>For >100, Deduct</i>	-40.35	
10 51	13 00-0241	EA	12" x 18" x 60" Two Tier, All-Welded Steel Locker.....	295.51	10.23
			<i>For >25 To 50, Deduct</i>	-14.05	
			<i>For >50 To 100, Deduct</i>	-28.31	
			<i>For >100, Deduct</i>	-42.57	
10 51	13 00-0242	EA	12" x 12" x 72" Two Tier, All-Welded Steel Locker.....	285.87	11.25
			<i>For >25 To 50, Deduct</i>	-13.49	
			<i>For >50 To 100, Deduct</i>	-27.22	
			<i>For >100, Deduct</i>	-40.95	
10 51	13 00-0243	EA	12" x 15" x 72" Two Tier, All-Welded Steel Locker.....	306.26	11.25
			<i>For >25 To 50, Deduct</i>	-14.51	
			<i>For >50 To 100, Deduct</i>	-29.26	
			<i>For >100, Deduct</i>	-44.01	
10 51	13 00-0244	EA	12" x 18" x 72" Two Tier, All-Welded Steel Locker.....	317.38	11.25
			<i>For >25 To 50, Deduct</i>	-15.07	
			<i>For >50 To 100, Deduct</i>	-30.37	
			<i>For >100, Deduct</i>	-45.68	
10 51	13 00-0245	EA	15" x 15" x 72" Two Tier, All-Welded Steel Locker.....	333.22	11.25
			<i>For >25 To 50, Deduct</i>	-15.86	
			<i>For >50 To 100, Deduct</i>	-31.96	
			<i>For >100, Deduct</i>	-48.05	
10 51	13 00-0246	EA	15" x 18" x 72" Two Tier, All-Welded Steel Locker.....	340.68	11.25
			<i>For >25 To 50, Deduct</i>	-16.23	
			<i>For >50 To 100, Deduct</i>	-32.70	
			<i>For >100, Deduct</i>	-49.17	
10 51	13 00-0247	EA	18" x 18" x 72" Two Tier, All-Welded Steel Locker.....	362.18	11.25
			<i>For >25 To 50, Deduct</i>	-17.31	
			<i>For >50 To 100, Deduct</i>	-34.85	
			<i>For >100, Deduct</i>	-52.40	
10 51	13 00-0248	EA	18" x 21" x 72" Two Tier, All-Welded Steel Locker.....	378.83	11.25
			<i>For >25 To 50, Deduct</i>	-18.14	
			<i>For >50 To 100, Deduct</i>	-36.52	
			<i>For >100, Deduct</i>	-54.90	
10 51	13 00-0249		Three Tier, All-Welded Steel Lockers (10 51 13 00-0222)		
			Note: Includes two single hooks and one double hook per tier.		
10 51	13 00-0250	EA	12" x 12" x 72" Three Tier, All-Welded Steel Locker.....	343.32	11.25
			<i>For >25 To 50, Deduct</i>	-16.36	
			<i>For >50 To 100, Deduct</i>	-32.97	
			<i>For >100, Deduct</i>	-49.57	
10 51	13 00-0251	EA	12" x 15" x 72" Three Tier, All-Welded Steel Locker.....	351.67	11.25
			<i>For >25 To 50, Deduct</i>	-16.78	
			<i>For >50 To 100, Deduct</i>	-33.80	
			<i>For >100, Deduct</i>	-50.82	
10 51	13 00-0252	EA	12" x 18" x 72" Three Tier, All-Welded Steel Locker.....	359.97	11.25
			<i>For >25 To 50, Deduct</i>	-17.20	
			<i>For >50 To 100, Deduct</i>	-34.63	
			<i>For >100, Deduct</i>	-52.07	
10 51	13 00-0253	EA	15" x 15" x 72" Three Tier, All-Welded Steel Locker.....	379.62	11.25
			<i>For >25 To 50, Deduct</i>	-18.18	
			<i>For >50 To 100, Deduct</i>	-36.60	
			<i>For >100, Deduct</i>	-55.01	
10 51	13 00-0254	EA	15" x 18" x 72" Three Tier, All-Welded Steel Locker.....	383.25	11.25
			<i>For >25 To 50, Deduct</i>	-18.36	
			<i>For >50 To 100, Deduct</i>	-36.96	
			<i>For >100, Deduct</i>	-55.56	
10 51	13 00-0255		Four Tier, All-Welded Steel Lockers (10 51 13 00-0222)		
10 51	13 00-0256	EA	12" x 12" x 72" Four Tier, All-Welded Steel Locker.....	323.50	11.25
			<i>For >25 To 50, Deduct</i>	-15.37	
			<i>For >50 To 100, Deduct</i>	-30.98	
			<i>For >100, Deduct</i>	-46.60	
10 51	13 00-0257	EA	12" x 15" x 72" Four Tier, All-Welded Steel Locker.....	331.39	11.25
			<i>For >25 To 50, Deduct</i>	-15.77	
			<i>For >50 To 100, Deduct</i>	-31.77	
			<i>For >100, Deduct</i>	-47.78	
10 51	13 00-0258	EA	12" x 18" x 72" Four Tier, All-Welded Steel Locker.....	339.23	11.25
			<i>For >25 To 50, Deduct</i>	-16.16	
			<i>For >50 To 100, Deduct</i>	-32.56	
			<i>For >100, Deduct</i>	-48.96	
10 51	13 00-0259	EA	15" x 15" x 72" Four Tier, All-Welded Steel Locker.....	357.71	11.25
			<i>For >25 To 50, Deduct</i>	-17.08	
			<i>For >50 To 100, Deduct</i>	-34.41	
			<i>For >100, Deduct</i>	-51.73	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0260 EA 15" x 18" x 72" Four Tier, All-Welded Steel Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	361.08 -17.25 -34.74 -52.23	11.25
10 51 13 00-0261 Six Tier, All-Welded Steel Lockers (10 51 13 00-0222)		
10 51 13 00-0262 EA 12" x 12" x 72" Six Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	335.77 -15.99 -32.21 -48.44	11.25
10 51 13 00-0263 EA 12" x 15" x 72" Six Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	347.29 -16.56 -33.36 -50.17	11.25
10 51 13 00-0264 EA 12" x 18" x 72" Six Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	355.76 -16.98 -34.21 -51.44	11.25
10 51 13 00-0265 All Welded Locker Accessories (10 51 13 00-0221)		
10 51 13 00-0266 EA ADA Requirements For All Welded Lockers	64.00	
10 51 13 00-0267 EA Solid Boxed End Panel For 12" Deep All Welded Lockers	103.41	2.34
10 51 13 00-0268 EA Solid Boxed End Panel For 15" Deep All Welded Lockers	119.87	2.34
10 51 13 00-0269 EA Recessed Trim For All Welded Lockers.....	72.94	2.34
10 51 13 00-0270 EA Built In Combination Lock For All Welded Lockers	24.34	2.34
10 51 13 00-0271 EA Pad Lock For All Welded Lockers.....	19.91	2.34
10 51 26 Plastic Lockers (10 51)		
10 51 26 00-0001 Solid Plastic Lockers (10 51 26) Note: Price per frame. High density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.		
10 51 26 00-0002 Single Tier Solid Plastic Lockers (10 51 26 00-0001) Note: Includes one double hook per tier.		
10 51 26 00-0003 EA 12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	277.43 -24.12 -37.27	18.12
10 51 26 00-0004 EA 12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	282.27 -24.61 -37.99	18.12
10 51 26 00-0005 EA 12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	287.11 -25.09 -38.72	18.12
10 51 26 00-0006 EA 15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	294.36 -25.81 -39.81	18.12
10 51 26 00-0007 EA 15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	286.69 -25.05 -38.66	18.12
10 51 26 00-0008 EA 18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	288.72 -25.25 -38.96	18.12
10 51 26 00-0009 EA 18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	285.14 -24.89 -38.42	18.12
10 51 26 00-0010 EA 18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	305.12 -26.89 -41.42	18.12
10 51 26 00-0011 EA 12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	300.52 -26.43 -40.73	18.12
10 51 26 00-0012 EA 12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	305.89 -26.97 -41.54	18.12
10 51 26 00-0013 EA 12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	311.27 -27.51 -42.34	18.12
10 51 26 00-0014 EA 15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	323.56 -28.73 -44.19	18.12
10 51 26 00-0015 EA 15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	340.47 -30.43 -46.72	18.12
10 51 26 00-0016 EA 18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	325.10 -28.89 -44.42	18.12
10 51 26 00-0017 EA 18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	352.75 -31.65 -48.57	18.12

10	Specialties
10 50	Storage Specialties
10 51	Lockers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0018 EA 12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	302.66	18.12
For >50 To 100, Deduct	-26.64	
For >100, Deduct	-41.05	
10 51 26 00-0019 EA 12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	318.42	18.12
For >50 To 100, Deduct	-28.22	
For >100, Deduct	-43.42	
10 51 26 00-0020 EA 12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	334.19	18.12
For >50 To 100, Deduct	-29.80	
For >100, Deduct	-45.78	
10 51 26 00-0021 EA 15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	322.64	18.12
For >50 To 100, Deduct	-28.64	
For >100, Deduct	-44.05	
10 51 26 00-0022 EA 15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	339.34	18.12
For >50 To 100, Deduct	-30.31	
For >100, Deduct	-46.55	
10 51 26 00-0023 EA 15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	356.06	18.12
For >50 To 100, Deduct	-31.98	
For >100, Deduct	-49.06	
10 51 26 00-0024 EA 18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	342.62	18.12
For >50 To 100, Deduct	-30.64	
For >100, Deduct	-47.05	
10 51 26 00-0025 EA 18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	360.28	18.12
For >50 To 100, Deduct	-32.41	
For >100, Deduct	-49.70	
10 51 26 00-0026 EA 12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	345.69	18.69
For >50 To 100, Deduct	-30.83	
For >100, Deduct	-47.37	
10 51 26 00-0027 EA 12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	363.36	18.69
For >50 To 100, Deduct	-32.60	
For >100, Deduct	-50.02	
10 51 26 00-0028 EA 12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	381.01	18.69
For >50 To 100, Deduct	-34.36	
For >100, Deduct	-52.66	
10 51 26 00-0029 EA 15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	368.62	18.69
For >50 To 100, Deduct	-33.12	
For >100, Deduct	-50.81	
10 51 26 00-0030 EA 15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	387.26	18.69
For >50 To 100, Deduct	-34.99	
For >100, Deduct	-53.60	
10 51 26 00-0031 EA 15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	405.88	18.69
For >50 To 100, Deduct	-36.85	
For >100, Deduct	-56.40	
10 51 26 00-0032 EA 18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	386.90	18.69
For >50 To 100, Deduct	-34.95	
For >100, Deduct	-53.55	
10 51 26 00-0033 EA 18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	411.14	18.69
For >50 To 100, Deduct	-37.38	
For >100, Deduct	-57.18	
10 51 26 00-0034 EA 18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	430.71	18.69
For >50 To 100, Deduct	-39.33	
For >100, Deduct	-60.12	
10 51 26 00-0035 Double Tier Solid Plastic Lockers <small>(10 51 26 00-0001)</small>		
Note: Includes one double hook per tier.		
10 51 26 00-0036 EA 12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	310.90	18.69
For >50 To 100, Deduct	-27.35	
For >100, Deduct	-42.15	
10 51 26 00-0037 EA 12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	315.51	18.69
For >50 To 100, Deduct	-27.81	
For >100, Deduct	-42.84	
10 51 26 00-0038 EA 12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	322.42	18.69
For >50 To 100, Deduct	-28.50	
For >100, Deduct	-43.88	
10 51 26 00-0039 EA 15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	320.12	18.69
For >50 To 100, Deduct	-28.27	
For >100, Deduct	-43.53	
10 51 26 00-0040 EA 15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	332.42	18.69
For >50 To 100, Deduct	-29.50	
For >100, Deduct	-45.38	
10 51 26 00-0041 EA 15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	361.61	18.69
For >50 To 100, Deduct	-32.42	
For >100, Deduct	-49.75	
10 51 26 00-0042 EA 18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	323.20	18.69
For >50 To 100, Deduct	-28.58	
For >100, Deduct	-43.99	
10 51 26 00-0043 EA 18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	338.07	18.69
For >50 To 100, Deduct	-30.07	
For >100, Deduct	-46.22	
10 51 26 00-0044 EA 18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	364.69	18.69
For >50 To 100, Deduct	-32.73	
For >100, Deduct	-50.22	
10 51 26 00-0045 EA 12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	321.48	18.69
For >50 To 100, Deduct	-28.41	
For >100, Deduct	-43.74	



Specialties	10
Storage Specialties	10 50
Lockers	10 51

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0046 EA 12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	345.54 -30.82 -47.34	18.69
10 51 26 00-0047 EA 12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	352.42 -31.50 -48.38	18.69
10 51 26 00-0048 EA 15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	349.57 -31.22 -47.95	18.69
10 51 26 00-0049 EA 15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	365.51 -32.81 -50.34	18.69
10 51 26 00-0050 EA 18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	368.63 -33.12 -50.81	18.69
10 51 26 00-0051 EA 18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	385.50 -34.81 -53.34	18.69
10 51 26 00-0052 EA 18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	402.36 -36.50 -55.87	18.69
10 51 26 00-0053 EA 12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	371.62 -33.31 -51.12	19.27
10 51 26 00-0054 EA 12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	388.48 -34.99 -53.64	19.27
10 51 26 00-0055 EA 12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	397.27 -35.87 -54.96	19.27
10 51 26 00-0056 EA 15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	393.51 -35.50 -54.40	19.27
10 51 26 00-0057 EA 15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	411.30 -37.27 -57.07	19.27
10 51 26 00-0058 EA 15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	429.08 -39.05 -59.73	19.27
10 51 26 00-0059 EA 18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	396.69 -35.81 -54.88	19.27
10 51 26 00-0060 EA 18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	434.10 -39.55 -60.49	19.27
10 51 26 00-0061 EA 18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	452.77 -41.42 -63.29	19.27
10 51 26 00-0062 Triple Tier Solid Plastic Lockers (10 51 26 00-0001) Note: Includes one double hook per tier.		
10 51 26 00-0063 EA 12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	306.31 -26.78 -41.32	19.27
10 51 26 00-0064 EA 15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	318.96 -28.04 -43.22	19.27
10 51 26 00-0065 EA 15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	330.56 -29.20 -44.96	19.27
10 51 26 00-0066 EA 12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	332.81 -29.43 -45.29	19.27
10 51 26 00-0067 EA 12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	359.85 -32.13 -49.35	19.27
10 51 26 00-0068 EA 12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	359.98 -32.14 -49.37	19.27
10 51 26 00-0069 EA 15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	374.73 -33.62 -51.58	19.27
10 51 26 00-0070 EA 15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	389.54 -35.10 -53.80	19.27
10 51 26 00-0071 EA 15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	404.35 -36.58 -56.03	19.27
10 51 26 00-0072 EA 18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	392.44 -35.39 -54.24	19.27
10 51 26 00-0073 EA 18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	408.10 -36.95 -56.59	19.27

10	Specialties
10 50	Storage Specialties
10 51	Lockers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0074	EA		18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	423.75	19.27
			<i>For >50 To 100, Deduct</i>	-38.52	
			<i>For >100, Deduct</i>	-58.94	
10 51 26 00-0075	EA		12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	395.29	19.86
			<i>For >50 To 100, Deduct</i>	-35.56	
			<i>For >100, Deduct</i>	-54.53	
10 51 26 00-0076	EA		12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	410.96	19.86
			<i>For >50 To 100, Deduct</i>	-37.12	
			<i>For >100, Deduct</i>	-56.88	
10 51 26 00-0077	EA		12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	421.95	19.86
			<i>For >50 To 100, Deduct</i>	-38.22	
			<i>For >100, Deduct</i>	-58.52	
10 51 26 00-0078	EA		15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	415.62	19.86
			<i>For >50 To 100, Deduct</i>	-37.59	
			<i>For >100, Deduct</i>	-57.58	
10 51 26 00-0079	EA		15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	420.59	19.86
			<i>For >50 To 100, Deduct</i>	-38.09	
			<i>For >100, Deduct</i>	-58.32	
10 51 26 00-0080	EA		15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	438.48	19.86
			<i>For >50 To 100, Deduct</i>	-39.88	
			<i>For >100, Deduct</i>	-61.00	
10 51 26 00-0081	EA		18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	408.51	19.86
			<i>For >50 To 100, Deduct</i>	-36.88	
			<i>For >100, Deduct</i>	-56.51	
10 51 26 00-0082	EA		18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	444.89	19.86
			<i>For >50 To 100, Deduct</i>	-40.52	
			<i>For >100, Deduct</i>	-61.97	
10 51 26 00-0083	EA		18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	470.65	19.86
			<i>For >50 To 100, Deduct</i>	-43.09	
			<i>For >100, Deduct</i>	-65.83	
10 51 26 00-0084			Four Tier Solid Plastic Lockers (10 51 26 00-0001)		
10 51 26 00-0085	EA		12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	355.50	19.86
			<i>For >50 To 100, Deduct</i>	-31.58	
			<i>For >100, Deduct</i>	-48.56	
10 51 26 00-0086	EA		12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	365.77	19.86
			<i>For >50 To 100, Deduct</i>	-32.60	
			<i>For >100, Deduct</i>	-50.10	
10 51 26 00-0087	EA		12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	384.70	19.86
			<i>For >50 To 100, Deduct</i>	-34.50	
			<i>For >100, Deduct</i>	-52.94	
10 51 26 00-0088	EA		15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	382.39	19.86
			<i>For >50 To 100, Deduct</i>	-34.27	
			<i>For >100, Deduct</i>	-52.59	
10 51 26 00-0089	EA		15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	406.91	19.86
			<i>For >50 To 100, Deduct</i>	-36.72	
			<i>For >100, Deduct</i>	-56.27	
10 51 26 00-0090	EA		15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	414.65	19.86
			<i>For >50 To 100, Deduct</i>	-37.49	
			<i>For >100, Deduct</i>	-57.43	
10 51 26 00-0091	EA		18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	410.81	19.86
			<i>For >50 To 100, Deduct</i>	-37.11	
			<i>For >100, Deduct</i>	-56.85	
10 51 26 00-0092	EA		18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	423.87	19.86
			<i>For >50 To 100, Deduct</i>	-38.41	
			<i>For >100, Deduct</i>	-58.81	
10 51 26 00-0093	EA		18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	461.53	19.86
			<i>For >50 To 100, Deduct</i>	-42.18	
			<i>For >100, Deduct</i>	-64.46	
10 51 26 00-0094	EA		12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	408.86	20.45
			<i>For >50 To 100, Deduct</i>	-36.80	
			<i>For >100, Deduct</i>	-56.42	
10 51 26 00-0095	EA		12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	427.07	20.45
			<i>For >50 To 100, Deduct</i>	-38.62	
			<i>For >100, Deduct</i>	-59.15	
10 51 26 00-0096	EA		12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	429.44	20.45
			<i>For >50 To 100, Deduct</i>	-38.86	
			<i>For >100, Deduct</i>	-59.51	
10 51 26 00-0097	EA		15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	452.39	20.45
			<i>For >50 To 100, Deduct</i>	-41.15	
			<i>For >100, Deduct</i>	-62.95	
10 51 26 00-0098	EA		15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	431.15	20.45
			<i>For >50 To 100, Deduct</i>	-39.03	
			<i>For >100, Deduct</i>	-59.77	
10 51 26 00-0099	EA		15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	450.39	20.45
			<i>For >50 To 100, Deduct</i>	-40.95	
			<i>For >100, Deduct</i>	-62.65	
10 51 26 00-0100	EA		18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	430.42	20.45
			<i>For >50 To 100, Deduct</i>	-38.95	
			<i>For >100, Deduct</i>	-59.66	
10 51 26 00-0101	EA		18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	453.47	20.45
			<i>For >50 To 100, Deduct</i>	-41.26	
			<i>For >100, Deduct</i>	-63.11	



Specialties	10
Storage Specialties	10 50
Lockers	10 51

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0102 EA 18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	488.00	20.45
For >50 To 100, Deduct	-44.71	
For >100, Deduct	-68.29	
10 51 26 00-0103 Five Tier Solid Plastic Lockers (10 51 26 00-0001)		
10 51 26 00-0104 EA 12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	386.38	20.15
For >50 To 100, Deduct	-34.61	
For >100, Deduct	-53.12	
10 51 26 00-0105 EA 12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	399.09	20.15
For >50 To 100, Deduct	-35.88	
For >100, Deduct	-55.03	
10 51 26 00-0106 EA 12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	411.81	20.15
For >50 To 100, Deduct	-37.15	
For >100, Deduct	-56.93	
10 51 26 00-0107 EA 15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	403.71	20.15
For >50 To 100, Deduct	-36.34	
For >100, Deduct	-55.72	
10 51 26 00-0108 EA 15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	426.49	20.15
For >50 To 100, Deduct	-38.62	
For >100, Deduct	-59.14	
10 51 26 00-0109 EA 15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	437.51	20.15
For >50 To 100, Deduct	-39.72	
For >100, Deduct	-60.79	
10 51 26 00-0110 EA 18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	433.67	20.15
For >50 To 100, Deduct	-39.34	
For >100, Deduct	-60.21	
10 51 26 00-0111 EA 18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	445.97	20.15
For >50 To 100, Deduct	-40.57	
For >100, Deduct	-62.06	
10 51 26 00-0112 EA 18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	485.92	20.15
For >50 To 100, Deduct	-44.56	
For >100, Deduct	-68.05	
10 51 26 00-0113 EA 12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	421.32	20.74
For >50 To 100, Deduct	-37.98	
For >100, Deduct	-58.22	
10 51 26 00-0114 EA 12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	435.58	20.74
For >50 To 100, Deduct	-39.41	
For >100, Deduct	-60.36	
10 51 26 00-0115 EA 12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	449.82	20.74
For >50 To 100, Deduct	-40.83	
For >100, Deduct	-62.50	
10 51 26 00-0116 EA 15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	444.84	20.74
For >50 To 100, Deduct	-40.34	
For >100, Deduct	-61.75	
10 51 26 00-0117 EA 15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	454.86	20.74
For >50 To 100, Deduct	-41.34	
For >100, Deduct	-63.25	
10 51 26 00-0118 EA 15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	469.88	20.74
For >50 To 100, Deduct	-42.84	
For >100, Deduct	-65.50	
10 51 26 00-0119 EA 18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	458.34	20.74
For >50 To 100, Deduct	-41.69	
For >100, Deduct	-63.77	
10 51 26 00-0120 EA 18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	475.56	20.74
For >50 To 100, Deduct	-43.41	
For >100, Deduct	-66.36	
10 51 26 00-0121 EA 18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	495.54	20.74
For >50 To 100, Deduct	-45.41	
For >100, Deduct	-69.35	
10 51 26 00-0122 Six Tier Solid Plastic Lockers (10 51 26 00-0001)		
10 51 26 00-0123 EA 15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	445.07	20.45
For >50 To 100, Deduct	-40.42	
For >100, Deduct	-61.85	
10 51 26 00-0124 EA 12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	436.94	21.03
For >50 To 100, Deduct	-39.49	
For >100, Deduct	-60.49	
10 51 26 00-0125 EA 12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	451.18	21.03
For >50 To 100, Deduct	-40.91	
For >100, Deduct	-62.63	
10 51 26 00-0126 EA 12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	460.68	21.03
For >50 To 100, Deduct	-41.86	
For >100, Deduct	-64.05	
10 51 26 00-0127 EA 15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	479.67	21.03
For >50 To 100, Deduct	-43.76	
For >100, Deduct	-66.90	
10 51 26 00-0128 EA 15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	485.21	21.03
For >50 To 100, Deduct	-44.32	
For >100, Deduct	-67.73	
10 51 26 00-0129 EA 15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	489.17	21.03
For >50 To 100, Deduct	-44.71	
For >100, Deduct	-68.33	

10	Specialties
10 50	Storage Specialties
10 51	Lockers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0130 EA 18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	490.75	21.03
For >50 To 100, Deduct	-44.87	
For >100, Deduct	-68.57	
10 51 26 00-0131 EA 18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	508.16	21.03
For >50 To 100, Deduct	-46.61	
For >100, Deduct	-71.18	
10 51 26 00-0132 EA 18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	531.11	21.03
For >50 To 100, Deduct	-48.91	
For >100, Deduct	-74.62	
10 51 26 00-0133 Solid Plastic Locker Accessories (10 51 26 00-0001)		
10 51 26 00-0134 Slope Tops For Solid Plastic Lockers (10 51 26 00-0133)		
Note: Price per frame.		
10 51 26 00-0135 EA Slope Top For Solid Plastic Lockers (Tufftec Lockers®).....	21.11	
10 51 26 00-0136 Recessed Bases For Solid Plastic Lockers (10 51 26 00-0133)		
Note: Price per frame.		
10 51 26 00-0137 EA Recessed Base For Solid Plastic Lockers (Tufftec Lockers®).....	23.16	
10 51 26 00-0138 End Panels For Solid Plastic Lockers (10 51 26 00-0133)		
Note: Price per frame.		
10 51 26 00-0139 EA End Panel For Solid Plastic Lockers (Tufftec Lockers®)	52.96	
10 51 26 00-0140 Venting Options For Solid Plastic Locker Doors (10 51 26 00-0133)		
Note: Price per frame.		
10 51 26 00-0141 EA Horizontal Venting Option For Solid Plastic Locker Doors.....	20.55	
10 51 26 00-0142 Filler Panels For Solid Plastic Lockers (10 51 26 00-0133)		
10 51 26 00-0143 EA Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®)	55.70	
Note: Full locker height. Width and height cut to size in the field.		
10 51 26 00-0144 Locker Accessories For Solid Plastic Lockers (10 51 26 00-0133)		
10 51 26 00-0145 EA Built In Hasp For Solid Plastic Lockers.....	5.13	
Note: For removable padlocks. Excludes padlock.		
10 51 26 00-0146 EA Built In Combination Lock For Solid Plastic Lockers.....	15.41	
10 51 26 00-0147 EA Built In Key Lock For Solid Plastic Lockers.....	20.55	
10 51 53 Locker Room Benches (10 51)		
10 51 53 00-0001 LF Hardwood Bench With Aluminum Pedestals.....	62.64	2.92
10 51 53 00-0002 LF Hardwood Bench With Painted Steel Pedestals	49.77	2.92
10 51 53 00-0003 LF Plastic Laminated Bench With Steel Pedestals	76.63	2.92
10 51 53 00-0004 LF Solid Plastic Bench With Steel Pedestals	73.18	2.92
10 51 53 00-0005 LF Aluminum Bench With Aluminum Pedestals	56.60	2.92
10 55 Postal Specialties (10 50)		
10 55 23 Mail Boxes (10 55)		
10 55 23 26 Commercial Mail Boxes (10 55 23)		
10 55 23 26-0001 Commercial Mail Boxes (10 55 23 26)		
10 55 23 26-0002 EA Surface Mounted Aluminum Letter Box With Key Lock.....	201.28	8.77
10 55 23 26-0003 EA Recessed Mounted Aluminum Letter Box With Key Lock.....	232.78	8.77
10 55 23 26-0004 EA 24" x 14" x 15" Deep, Aluminum Pedestal Mounted Group (NDCBU) Mailbox.....	1,035.17	17.53
Note: Any door combination. Includes pedestal. Excludes concrete foundation.		
10 55 23 26-0005 EA 24" x 27" x 15" Deep, Aluminum Pedestal Mounted Group (NDCBU) Mailbox.....	1,226.42	23.37
Note: Any door combination. Includes pedestal. Excludes concrete foundation.		
10 55 23 26-0006 BOX 4-1/2" x 5-1/2" x 15-1/2" Private Use Aluminum Horizontal Mailboxes, Per Box.....	40.25	8.77
10 55 23 26-0007 BOX 10-3/4" x 5-1/2" x 15-1/2" Private Use Aluminum Horizontal Mailboxes, Per Box.....	85.90	11.68
10 55 23 26-0008 BOX 6-3/8" x 5" x 17" US Postal Service Approved Aluminum Horizontal Mailboxes, Per Box.....	51.94	7.30
10 55 23 26-0009 BOX 12-7/8" x 5" x 17" US Postal Service Approved Aluminum Horizontal Mailboxes, Per Box.....	80.73	11.68
10 55 26 Parcel Lockers (10 55)		
10 55 26 00-0001 Parcel Lockers (10 55 26)		
10 55 26 00-0002 EA 24" x 14" x 15" Deep, Aluminum Pedestal Mounted Parcel Locker	777.65	17.53
Note: Two compartments.		
10 55 26 00-0003 EA 48" x 16" x 18" Deep, Aluminum Pedestal Mounted Parcel Locker	924.46	23.37
Note: Two compartments.		
10 56 Storage Assemblies (10 50)		



Specialties	10	10
Storage Specialties	10 50	
Storage Assemblies	10 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 16 Fabricated Wood Storage Shelving (10 56)		
10 56 16 00-0001 Shelving (10 56 16)		
10 56 16 00-0002 Built-In Wood Shelving (10 56 16 00-0001)		
Note: Priced by shelf area. Includes hardware and trim.		
10 56 16 00-0003 SF Built-in Wood Storage Shelving Post And Trimmed Plywood.....	11.42	1.48
For Each SF Of Lumber Edge Band, Add	0.69	
For Each SF Of Prefinished Shelves, Add	2.32	
10 56 16 00-0004 SF Built-in Wood Storage Shelving Post And Solid Clear Pine.....	12.32	1.78
For Each SF Of Lumber Edge Band, Add	0.69	
For Each SF Of Prefinished Shelves, Add	2.32	
10 56 16 00-0005 SF Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod.....	12.47	2.96
For Each SF Of Lumber Edge Band, Add	0.69	
For Each SF Of Prefinished Shelves, Add	2.32	
10 56 16 00-0006 Wood Shelving, White Pine, Clear Grade, Wall Mounted (10 56 16 00-0001)		
10 56 16 00-0007 LF 1" x 8" White Pine Clear Grade Wood Shelving.....	9.48	3.55
10 56 16 00-0008 LF 1" x 10" White Pine Clear Grade Wood Shelving.....	10.42	3.79
10 56 16 00-0009 LF 1" x 12" White Pine Clear Grade Wood Shelving.....	11.48	4.08
10 56 16 00-0010 SF Wood Shelving, 2" White Pine Clear Grade.....	14.96	
10 56 16 00-0011 Plywood Shelf With Edge Band (10 56 16 00-0001)		
10 56 16 00-0012 LF 3/4" Plywood Shelf, 12" Wide With Edge Band.....	11.60	3.55
10 56 16 00-0013 LF 3/4" Plywood Shelf, 24" Wide With Edge Band.....	18.08	4.43
10 56 16 00-0014 Adjustable Shelf And Rod (10 56 16 00-0001)		
10 56 16 00-0015 EA 12" Wide Adjustable Shelf, 3' To 6' Long Including Rod.....	102.96	13.30
10 56 16 00-0016 EA 12" Wide Adjustable Shelf, 5' To 8' Long Including Rod.....	121.44	17.74
10 56 16 00-0017 Prefinished Wood Shelves With Brackets And Supports (10 56 16 00-0001)		
10 56 16 00-0018 LF Prefinished Wood Shelves, 8" Wide, With Brackets And Supports.....	10.05	3.55
10 56 16 00-0019 LF Prefinished Wood Shelves, 10" Wide, With Brackets And Supports.....	10.93	3.79
10 56 16 00-0020 SF Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards.....	35.07	5.91
10 56 16 00-0021 Wood Shelving, Oak, Clear Grade, Wall Mounted (10 56 16 00-0001)		
10 56 16 00-0022 LF Wood Shelving, 1" X 8" Oak Clear Grade.....	11.35	5.55
10 70 Exterior Specialties (10)		
10 73 Protective Covers (10 70)		
10 73 13 Awnings (10 73)		
10 73 13 13 Metal Awnings (10 73 13)		
10 73 13 13-0001 Metal Awnings (10 73 13 13)		
Note: Includes metal cover, frame supports and anchoring.		
10 73 13 13-0002 SF Ribbed Aluminum Window Awnings, Clear Weather Resistant Finish.....	27.25	5.51
10 73 13 13-0003 SF Ribbed Aluminum Window Awning, Baked Enamel Finish.....	24.19	4.93
10 73 13 13-0004 SF Flat Roofed Steel Awning (Per SF Of Covered Area).....	69.63	5.72
10 73 13 13-0005 SF Arched Roofed Steel Awning (Per SF Of Covered Area).....	72.04	6.43
10 73 13 23 Fabric Awnings (10 73 13)		
10 73 13 23-0001 Canvas Awnings (10 73 13 23)		
Note: Includes minimum 12 oz. canvas, frame supports and anchoring.		
10 73 13 23-0002 SF Canvas Awning, Waterproof Fabric Tubular Metal Framing.....	24.58	4.25
10 73 13 23-0003 SF Side Protection Canvas For Walkways (Per SF Of Wall Area).....	13.42	1.37
10 73 13 23-0004 SF Replacement Canvas For Awnings.....	14.18	
Note: Includes removal of existing canvas cover.		
For 18 Oz. Vinyl Laminated Polyester Cover, Add	0.48	
10 73 16 Canopies (10 73)		
10 73 16 13 Metal Canopies (10 73 16)		
10 73 16 13-0001 Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished (10 73 16 13)		
Note: Includes cover, frame supports and anchoring.		
10 73 16 13-0002 EA 8' x 10' Canopy, Aluminum, Wall Hung.....	2,363.59	286.24
10 73 16 13-0003 EA 8' x 20' Canopy, Aluminum, Wall Hung.....	4,259.17	458.10
10 73 16 13-0004 EA 10' x 10' Canopy, Aluminum, Wall Hung.....	2,919.42	358.15
10 73 16 13-0005 EA 10' x 20' Canopy, Aluminum, Wall Hung.....	5,047.58	478.92

10	10 Specialties
	10 70 Exterior Specialties
	10 73 Protective Covers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 73 26 Walkway Coverings (10 73)

Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.

10 73 26 13 Metal Walkway Coverings (10 73 26)

10 73 26 13-0001 Steel Walkway/Parking Covers (10 73 26 13)

Note: Factory applied polyester finish.

10 73 26 13-0002	SF	Flat Roofed Steel Walkway/Parking Cover	35.17	4.05
		Note: Includes factory applied polyester finish.		
		<i>For Snow Load (30 PSF), Add</i>	10.82	
		<i>For Wind Load (140 MPH), Add</i>	13.53	
10 73 26 13-0003	SF	Arch Roofed Steel Walkway/Parking Cover	37.47	4.37
		Note: Includes factory applied polyester finish.		
		<i>For Snow Load (30 PSF), Add</i>	11.50	
		<i>For Wind Load (140 MPH), Add</i>	14.37	

10 73 26 13-0004 Aluminum Walkway/Parking Covers (10 73 26 13)

10 73 26 13-0005	SF	Flat Roofed Aluminum Walkway/Parking Cover	22.16	4.05
		Note: Includes factory applied polyester finish.		
		<i>For Snow Load (30 PSF), Add</i>	5.62	
		<i>For Wind Load (140 MPH), Add</i>	7.02	
10 73 26 13-0006	SF	Arch Roofed Aluminum Walkway/Parking Cover	24.05	4.37
		Note: Includes factory applied polyester finish.		
		<i>For Snow Load (30 PSF), Add</i>	6.13	
		<i>For Wind Load (140 MPH), Add</i>	7.66	

10 75 Flagpoles (10 75)

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0012 for bases.

10 75 16 Ground-Set Flagpoles (10 75)

10 75 16 00-0001 Free Standing Tapered Aluminum Flagpoles (10 75 16)

Note: Heavy duty.

10 75 16 00-0002	EA	20' Exposed Height, Tapered Satin Aluminum Flagpole	2,396.31	475.56
		Note: 5" butt diameter, 3" top diameter and 0.188" wall.		
		<i>For Internal Halyard, Winch System, Add</i>	570.00	
		<i>For Clear Anodized Finish, Add</i>	150.00	
		<i>For Bronze Anodized Finish, Add</i>	180.00	
		<i>For Black Anodized Finish, Add</i>	230.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0003	EA	25' Exposed Height, Tapered Satin Aluminum Flagpole	2,886.74	523.11
		Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall.		
		<i>For Internal Halyard, Winch System, Add</i>	1,100.00	
		<i>For Clear Anodized Finish, Add</i>	200.00	
		<i>For Bronze Anodized Finish, Add</i>	230.00	
		<i>For Black Anodized Finish, Add</i>	320.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0004	EA	30' Exposed Height, Tapered Satin Aluminum Flagpole	3,212.17	570.67
		Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall.		
		<i>For Internal Halyard, Winch System, Add</i>	1,390.00	
		<i>For Clear Anodized Finish, Add</i>	300.00	
		<i>For Bronze Anodized Finish, Add</i>	375.00	
		<i>For Black Anodized Finish, Add</i>	450.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0005	EA	35' Exposed Height, Tapered Satin Aluminum Flagpole	4,127.04	665.78
		Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall.		
		<i>For Internal Halyard, Winch System, Add</i>	1,340.00	
		<i>For Clear Anodized Finish, Add</i>	290.00	
		<i>For Bronze Anodized Finish, Add</i>	360.00	
		<i>For Black Anodized Finish, Add</i>	480.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0006	EA	40' Exposed Height, Tapered Satin Aluminum Flagpole	5,151.89	760.89
		Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.		
		<i>For Internal Halyard, Winch System, Add</i>	1,490.00	
		<i>For Clear Anodized Finish, Add</i>	390.00	
		<i>For Bronze Anodized Finish, Add</i>	480.00	
		<i>For Black Anodized Finish, Add</i>	660.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0007	EA	45' Exposed Height, Tapered Satin Aluminum Flagpole	5,730.33	808.45
		Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.		
		<i>For Internal Halyard, Winch System, Add</i>	1,340.00	
		<i>For Clear Anodized Finish, Add</i>	400.00	
		<i>For Bronze Anodized Finish, Add</i>	500.00	
		<i>For Black Anodized Finish, Add</i>	700.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0008	EA	50' Exposed Height, Tapered Satin Aluminum Flagpole	7,331.76	856.00
		Note: 10" butt diameter, 4" top diameter and 0.188" wall.		
		<i>For Internal Halyard, Winch System, Add</i>	1,380.00	
		<i>For Clear Anodized Finish, Add</i>	700.00	
		<i>For Bronze Anodized Finish, Add</i>	860.00	
		<i>For Black Anodized Finish, Add</i>	1,130.00	
		<i>For Rope Lock Box, Add</i>	96.00	



Specialties	10	10
Exterior Specialties	10 70	
Flagpoles	10 75	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0009 EA 60' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.250" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	12,987.62 1,800.00 620.00 820.00 1,160.00 96.00	951.11
10 75 16 00-0010 EA 70' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.250" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	14,210.48 1,720.00 710.00 950.00 1,360.00 96.00	1,046.23
10 75 16 00-0011 EA 80' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.375" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	17,908.34 2,600.00 1,100.00 1,380.00 1,840.00 96.00	1,141.34
10 75 16 00-0012 Flagpole Bases (10 75 16)		
10 75 16 00-0013 Flagpole Concrete Base (10 75 16 00-0012) Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.		
10 75 16 00-0014 EA 30' Or Less Flagpole, Poured Concrete Foundation	868.13	
10 75 16 00-0015 EA 35' Flagpole, Poured Concrete Foundation	897.67	
10 75 16 00-0016 EA 40' Flagpole, Poured Concrete Foundation	1,032.69	
10 75 16 00-0017 EA 45' Flagpole, Poured Concrete Foundation	1,092.45	
10 75 16 00-0018 EA 50' Flagpole, Poured Concrete Foundation	1,309.19	
10 75 16 00-0019 EA 60' Flagpole, Poured Concrete Foundation	1,586.02	
10 75 16 00-0020 EA 70' Flagpole, Poured Concrete Foundation	1,876.45	
10 75 16 00-0021 EA 80' Flagpole, Poured Concrete Foundation	2,183.70	
10 75 16 00-0022 EA 90' To 100' Flagpole, Poured Concrete Foundation.....	2,547.86	
10 75 16 00-0023 Direct Embedded Flagpole Base (10 75 16 00-0012) Note: Augured in place, no concrete required.		
10 75 16 00-0024 EA 20' To 25' Flagpole, Direct Embedded Pole Base.....	453.71	
10 75 16 00-0025 EA 30' To 40' Flagpole, Direct Embedded Pole Base.....	651.18	
10 75 16 00-0026 EA 45' To 55' Flagpole, Direct Embedded Pole Base.....	727.12	
10 75 16 00-0027 EA 60' To 70' Flagpole, Direct Embedded Pole Base.....	818.70	
10 75 16 00-0028 Flagpole Accessories (10 75 16)		
10 75 16 00-0029 Flagpole Tops (10 75 16 00-0028) Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0030 EA 4" Gold Anodized Aluminum Ball For Top Of Flagpole	80.48	24.85
10 75 16 00-0031 EA 5" Gold Anodized Aluminum Ball For Top Of Flagpole	88.91	26.30
10 75 16 00-0032 EA 6" Gold Anodized Aluminum Ball For Top Of Flagpole	101.73	27.76
10 75 16 00-0033 EA 8" Gold Anodized Aluminum Ball For Top Of Flagpole	142.05	29.23
10 75 16 00-0034 EA 10" Gold Anodized Aluminum Ball For Top Of Flagpole	197.77	30.69
10 75 16 00-0035 EA 12" Gold Anodized Aluminum Ball For Top Of Flagpole	223.80	32.15
10 75 16 00-0036 EA 11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	200.70	32.15
10 75 16 00-0037 EA 15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	234.77	36.53
10 75 16 00-0038 Flagpole Accessories (10 75 16 00-0028) Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0039 LF 5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	0.71	0.04
10 75 16 00-0040 LF 5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles.....	0.35	0.04
10 75 16 00-0041 LF 5/16" Diameter, Nylon Halyard (Rope) For Flagpoles.....	0.27	0.04
10 75 16 00-0042 LF 3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	0.95	0.04
10 75 16 00-0043 EA Refinish Existing Flagpole Ball.....	213.77	73.03
10 75 16 00-0044 EA Locking Aluminum Cleat Box For Flagpoles	224.06	43.82
10 75 16 00-0045 EA Aluminum Cleat For Flagpoles.....	19.81	2.92
10 75 16 00-0046 LF 1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles.....	0.46	0.07
10 75 23 Wall-Mounted Flagpoles (10 75)		
10 75 23 00-0001 Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles (10 75 23) Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.		
10 75 23 00-0002 EA 14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish..... For Rope Lock Box, Add	1,461.31 96.00	417.16
10 75 23 00-0003 EA 17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish..... For Rope Lock Box, Add	1,577.74 96.00	458.87
10 75 23 00-0004 EA 20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish..... For Rope Lock Box, Add	1,705.17 96.00	500.59

10	10 Specialties
	10 70 Exterior Specialties
	10 75 Flagpoles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 23 00-0005 EA 25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish..... <i>For Rope Lock Box, Add</i>	1,971.04 96.00	584.01
10 75 23 00-0006 Outrigger, Wall Mounted Tapered Aluminum Flagpoles (10 75 23) Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.		
10 75 23 00-0007 EA 10' Aluminum Outrigger Flagpole, Wall Mounted, Including Base <i>For Rope Lock Box, Add</i>	2,114.88 96.00	375.44
10 75 23 00-0008 EA 15' Aluminum Outrigger Flagpole, Wall Mounted, Including Base <i>For Rope Lock Box, Add</i>	2,264.31 96.00	417.16
10 75 23 00-0009 EA 20' Aluminum Outrigger Flagpole, Wall Mounted, Including Base <i>For Rope Lock Box, Add</i>	2,475.17 96.00	500.59

10 80 Other Specialties (10)

10 81 Pest Control Devices (10 80)

10 81 13 Bird Control Devices (10 81)

10 81 13 00-0001 Stainless Steel Spiked Bird Barrier (10 81 13)
Note: Stainless steel spikes with flexible polycarbonate base.

10 81 13 00-0002 LF 2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	6.44	0.46
10 81 13 00-0003 LF 4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	6.99	0.46
10 81 13 00-0004 LF 8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....	9.35	0.46

10 81 13 00-0005 Polycarbonate Spiked Bird Barrier (10 81 13)
Note: Polycarbonate spikes and base.

10 81 13 00-0006 LF 3" Wide Polycarbonate Spikes And Base Bird Deterrent System	4.83	0.46
10 81 13 00-0007 LF 5" Wide Polycarbonate Spikes And Base Bird Deterrent System	5.85	0.46
10 81 13 00-0008 LF 8" Wide Polycarbonate Spikes And Base Bird Deterrent System	6.97	0.46

10 81 13 00-0009 Spiked Gutter Or Girder Bird Barrier (10 81 13)
Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.

10 81 13 00-0010 LF Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application	5.58	0.46
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10 81 13 00-0011 Coil Bird Barrier (10 81 13)
Note: Stainless steel coil.

10 81 13 00-0012 LF 4" Diameter Stainless Steel Coil Bird Deterrent System	3.89	0.46
10 81 13 00-0013 LF 5" Diameter Stainless Steel Coil Bird Deterrent System	4.62	0.46

10 81 13 00-0014 Spider Bird Barrier (10 81 13)
Note: Stainless steel arms with various bases.

10 81 13 00-0015 EA 2' Diameter Stainless Steel Spider Bird Deterrent System.....	66.78	0.46
10 81 13 00-0016 EA 4' Diameter Stainless Steel Spider Bird Deterrent System.....	81.61	0.46
10 81 13 00-0017 EA 8' Diameter Stainless Steel Spider Bird Deterrent System.....	95.95	0.46

10 81 13 00-0018 Oriented Flexible Flame Resistant Netting (10 81 13)
Note: Includes stainless steel rings and plastic ties.

10 81 13 00-0019 SF 1/8" x 1/8" Mesh Flexible Polypropylene Netting.....	0.50	0.21
10 81 13 00-0020 SF 1/4" x 1/4" Mesh Flexible Polypropylene Netting.....	0.49	0.21
10 81 13 00-0021 SF 1/2" x 1/2" Mesh Flexible Polypropylene Netting.....	0.48	0.21
10 81 13 00-0022 SF 3/4" x 3/4" Mesh Flexible Polypropylene Netting.....	0.47	0.21
10 81 13 00-0023 SF 1" x 1" Mesh Flexible Polypropylene Netting.....	0.47	0.21
10 81 13 00-0024 SF 1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting	0.47	0.21
10 81 13 00-0025 SF 2" x 2" Mesh Flexible Polypropylene Netting.....	0.46	0.21
10 81 13 00-0026 SF 3" x 3" Mesh Flexible Polypropylene Netting.....	0.46	0.21
10 81 13 00-0027 SF 4" x 4" Mesh Flexible Polypropylene Netting.....	0.45	0.21
10 81 13 00-0028 SF 5/8" x 3/4" Mesh Flexible Polypropylene Netting.....	0.48	0.21
10 81 13 00-0029 SF 1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting	0.47	0.21
10 81 13 00-0030 EA Poly Clips For Flexible Netting.....	1.75	

10 81 13 00-0031 Netting Accessories (10 81 13)

10 81 13 00-0032 EA 2' Zipper For Flexible Netting.....	4.56	
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Specialties	10
Other Specialties	10 80
Pest Control Devices	10 81

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 81	13 00-0033	EA	4' Zipper For Flexible Netting.....	6.87	
10 81	13 00-0034	EA	6' Zipper For Flexible Netting.....	8.09	
10 81	13 00-0035	EA	8' Zipper For Flexible Netting.....	11.50	

10 86 Security Mirrors And Domes (10 80)

10 86 00 00-0001

Dome Mirrors (10 86)

Note: Includes all mounting hardware. Indoor or outdoor applications.

10 86 00 00-0002

Steel Dome Mirrors (10 86 00 00-0001)

10 86 00 00-0003	EA	9" Diameter Full-Dome Steel Dome Mirror	156.25	11.69
10 86 00 00-0004	EA	12" Diameter Full-Dome Steel Dome Mirror	184.00	12.27
10 86 00 00-0005	EA	18" Diameter Full-Dome Steel Dome Mirror	212.90	13.44
10 86 00 00-0006	EA	24" Diameter Full-Dome Steel Dome Mirror	284.57	14.61
10 86 00 00-0007	EA	9" Diameter Half-Dome Steel Dome Mirror	111.82	8.77
10 86 00 00-0008	EA	12" Diameter Half-Dome Steel Dome Mirror	129.16	9.36
10 86 00 00-0009	EA	18" Diameter Half-Dome Steel Dome Mirror	151.02	10.23
10 86 00 00-0010	EA	24" Diameter Half-Dome Steel Dome Mirror	210.54	11.10

10 86 00 00-0011

Plexiglas Dome Mirrors (10 86 00 00-0001)

10 86 00 00-0012	EA	18" Diameter Full-Dome Plexiglas Dome Mirror	121.05	13.44
10 86 00 00-0013	EA	26" Diameter Full-Dome Plexiglas Dome Mirror	171.34	14.61
10 86 00 00-0014	EA	32" Diameter Full-Dome Plexiglas Dome Mirror	226.85	16.95
10 86 00 00-0015	EA	36" Diameter Full-Dome Plexiglas Dome Mirror	274.30	20.46
10 86 00 00-0016	EA	48" Diameter Full-Dome Plexiglas Dome Mirror	400.45	29.23
10 86 00 00-0017	EA	18" Diameter Half-Dome Plexiglas Dome Mirror	73.96	10.23
10 86 00 00-0018	EA	26" Diameter Half-Dome Plexiglas Dome Mirror	99.97	11.10
10 86 00 00-0019	EA	32" Diameter Half-Dome Plexiglas Dome Mirror	131.89	12.86
10 86 00 00-0020	EA	36" Diameter Half-Dome Plexiglas Dome Mirror	162.70	15.49
10 86 00 00-0021	EA	48" Diameter Half-Dome Plexiglas Dome Mirror	258.74	21.92
10 86 00 00-0022	EA	18" Diameter Quarter-Dome Plexiglas Dome Mirror	47.58	8.77
10 86 00 00-0023	EA	26" Diameter Quarter-Dome Plexiglas Dome Mirror	61.23	9.65
10 86 00 00-0024	EA	32" Diameter Quarter-Dome Plexiglas Dome Mirror	80.67	10.82
10 86 00 00-0025	EA	36" Diameter Quarter-Dome Plexiglas Dome Mirror	100.58	12.86
10 86 00 00-0026	EA	48" Diameter Quarter-Dome Plexiglas Dome Mirror	167.09	18.27

10 86 00 00-0027

Coated Plexiglas Dome Mirrors (10 86 00 00-0001)

10 86 00 00-0028	EA	18" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	144.73	13.44
10 86 00 00-0029	EA	26" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	224.49	14.61
10 86 00 00-0030	EA	36" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	380.60	20.46
10 86 00 00-0031	EA	48" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	586.47	29.23
10 86 00 00-0032	EA	18" Diameter Half-Dome Coated Plexiglas Dome Mirror	93.83	10.23
10 86 00 00-0033	EA	26" Diameter Half-Dome Coated Plexiglas Dome Mirror	140.06	11.10
10 86 00 00-0034	EA	36" Diameter Half-Dome Coated Plexiglas Dome Mirror	221.62	15.49
10 86 00 00-0035	EA	48" Diameter Half-Dome Coated Plexiglas Dome Mirror	367.35	21.92
10 86 00 00-0036	EA	18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	68.03	8.77
10 86 00 00-0037	EA	26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	95.66	9.65
10 86 00 00-0038	EA	32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	124.11	10.82
10 86 00 00-0039	EA	36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	159.74	12.86
10 86 00 00-0040	EA	48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	250.28	18.27

10 86 00 00-0041

Circular Convex Security Mirrors (10 86)

Note: Includes all mounting hardware.

10 86 00 00-0042

Plexiglas Circular Convex Mirrors (10 86 00 00-0041)

Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.

10 86 00 00-0043	EA	12" Diameter Plexiglas Circular Convex Mirrors, Indoor	51.05	9.36
10 86 00 00-0044	EA	18" Diameter Plexiglas Circular Convex Mirrors, Indoor	66.56	10.23
10 86 00 00-0045	EA	26" Diameter Plexiglas Circular Convex Mirrors, Indoor	101.24	11.10
10 86 00 00-0046	EA	30" Diameter Plexiglas Circular Convex Mirrors, Indoor	126.58	12.86
10 86 00 00-0047	EA	36" Diameter Plexiglas Circular Convex Mirrors, Indoor	168.47	15.49
10 86 00 00-0048	EA	48" Diameter Plexiglas Circular Convex Mirrors, Indoor	298.03	21.92
10 86 00 00-0049	EA	18" Diameter Plexiglas Circular Convex Mirrors, Outdoor	86.09	10.23
10 86 00 00-0050	EA	26" Diameter Plexiglas Circular Convex Mirrors, Outdoor	124.35	11.10
10 86 00 00-0051	EA	36" Diameter Plexiglas Circular Convex Mirrors, Outdoor	177.72	15.49
10 86 00 00-0052	EA	48" Diameter Plexiglas Circular Convex Mirrors, Outdoor	325.76	21.92

10 86 00 00-0053

Coated Plexiglas Circular Convex Mirrors (10 86 00 00-0041)

Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.

10 86 00 00-0054	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	104.11	10.23
10 86 00 00-0055	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	164.32	11.10
10 86 00 00-0056	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	220.97	12.86
10 86 00 00-0057	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	275.92	15.49
10 86 00 00-0058	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	400.86	21.92
10 86 00 00-0059	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	125.25	10.23

10 Specialties**10 80 Other Specialties**

10 86 Security Mirrors And Domes



MINOR					TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION			UNIT COST	UNIT COST
10 86 00 00-0060	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....			194.36	11.10
10 86 00 00-0061	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....			270.65	12.86
10 86 00 00-0062	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....			305.97	15.49
10 86 00 00-0063	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....			485.20	21.92

END OF SECTION 10



Equipment	11	
Vehicle And Pedestrian Equipment	11 10	11
Vehicle Service Equipment	11 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 Equipment

11 10 Vehicle And Pedestrian Equipment ⁽¹¹⁾

11 11 Vehicle Service Equipment ^(11 10)

11 11 19 Vehicle Lubrication Equipment ^(11 11)

11 11 19 00-0001 Lube Equipment ^(11 11 19)

11 11 19 00-0002 Hose Reels With Pumps, Not Including Piping ^(11 11 19 00-0001)

11 11 19 00-0003	EA	1 Reel Hose Reel With Pump, Not Including Piping	2,562.06	1,049.83
11 11 19 00-0004	EA	2 Reel Hose Reel With Pump, Not Including Piping	3,129.56	1,224.57
11 11 19 00-0005	EA	3 Reel Hose Reel With Pump, Not Including Piping	3,760.23	1,398.46
11 11 19 00-0006	EA	4 Reel Hose Reel With Pumps, Not Including Piping.....	4,359.09	1,573.64
11 11 19 00-0007	EA	5 Reel Hose Reel With Pumps, Not Including Piping.....	4,960.37	1,747.22
11 11 19 00-0008	EA	Diesel Refueling Station, Including Valves, Hose, Nozzle And Stand.....	3,725.87	841.93
11 11 19 00-0009	EA	Lube Station, Including Valves, Hose, Nozzle And Stand.....	3,064.15	777.17

11 11 19 00-0010 Wash Reels And Supports ^(11 11 19)

11 11 19 00-0011	EA	Hose Reel With 100' Hose, 1-1/2" High Pressure Hose	1,486.20	77.10
11 11 19 00-0012	EA	Wash Station Support.....	632.09	138.11

11 11 19 00-0013 Pneumatic Powered Pump ^(11 11 19)

Note: Excludes air compressor.

11 11 19 00-0014	EA	Pumping Unit - Oil/Gear Lube.....	2,659.20	58.60
11 11 19 00-0015	EA	Pumping Unit - Grease	3,675.98	58.60

11 11 19 00-0016 Pumping Unit Accessories ^(11 11 19)

11 11 19 00-0017	EA	Hose Reel - 1,000 PSI- Oil/Lube.....	1,819.86	43.96
11 11 19 00-0018	EA	Hose Reel - 5,000 PSI- Grease	2,079.14	43.96
11 11 19 00-0019	EA	Hose Reel - 160 PSI- Air.....	1,367.39	43.96
11 11 19 00-0020	EA	Control Valve - Oil/Lube.....	764.18	22.02
11 11 19 00-0021	EA	Control Valve - Grease	408.31	22.02

11 11 26 Vehicle-Washing Equipment ^(11 11)

Note: Complete equipment and installation for system. Excludes earthwork, concrete foundation, walls or housing.

11 11 26 00-0001 Brushless Type ^(11 11 26)

11 11 26 00-0002	EA	30' Vehicle Wash Equipment, Brushless	199,265.74	
11 11 26 00-0003	EA	50' Vehicle Wash Equipment, Brushless	222,297.67	
11 11 26 00-0004	EA	100' Vehicle Wash Equipment, Brushless	287,733.95	
11 11 26 00-0005	EA	130' Vehicle Wash Equipment, Brushless	337,168.44	

11 11 26 00-0006 Brush Type ^(11 11 26)

11 11 26 00-0007	EA	30' Vehicle Wash Equipment, Brush.....	129,596.50	
11 11 26 00-0008	EA	50' Vehicle Wash Equipment, Brush.....	158,081.69	
11 11 26 00-0009	EA	100' Vehicle Wash Equipment, Brush.....	228,992.86	
11 11 26 00-0010	EA	130' Vehicle Wash Equipment, Brush.....	282,621.07	

11 11 26 00-0011 High Pressure Water System ^(11 11 26)

11 11 26 00-0012	EA	High Pressure Water Equipment	47,855.66	
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11 11 26 00-0013 Car Wash Package Water Heater, Gas Fired ^(11 11 26)

Note: Continuous duty, high recovery.

11 11 26 00-0014	EA	180 MBH Car Wash Water Heater, 174 GPH.....	5,587.54	
11 11 26 00-0015	EA	280 MBH Car Wash Water Heater, 270 GPH.....	6,004.27	
11 11 26 00-0016	EA	400 MBH Car Wash Water Heater, 386 GPH.....	6,866.62	
11 11 26 00-0017	EA	480 MBH Car Wash Water Heater, 464 GPH.....	7,280.99	
11 11 26 00-0018	EA	605 MBH Car Wash Water Heater, 584 GPH.....	8,363.64	
11 11 26 00-0019	EA	700 MBH Car Wash Water Heater, 676 GPH.....	8,885.62	
11 11 26 00-0020	EA	1,000 MBH Car Wash Water Heater, 966 GPH	9,971.57	
11 11 26 00-0021	EA	1,200 MBH Car Wash Water Heater, 1,159 GPH	13,405.69	
11 11 26 00-0022	EA	1,400 MBH Car Wash Water Heater, 1,353 GPH.....	14,669.81	

11 12 Parking Control Equipment ^(11 10)

11 12 16 Parking Ticket Dispensers ^(11 12)

11 12 16 00-0001 Parking Ticket Dispensers ^(11 12 16)

11	Equipment
11 10	Vehicle And Pedestrian Equipment
11 12	Parking Control Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 12 16 00-0002 EA Standard Parking Ticket Dispenser With Printer.....	5,276.81	126.51
11 12 16 00-0003 EA Rate Computing Parking Ticket Dispenser With Printer.....	7,067.36	126.51
11 12 23 Parking Meters (11 12)		
11 12 23 00-0001 Parking Meters (11 12 23)		
11 12 23 00-0002 EA Removal Of Parking Meter For Replacement Or Reinstall Existing Meter.....	127.43	
11 12 26 Parking Fee Collection Equipment (11 12)		
11 12 26 00-0001 Parking Fee Collection Equipment (11 12 26)		
11 12 26 00-0002 EA Multiple Station Slot Box For Parking Fee Collection.....	1,264.55	42.88
11 12 33 Parking Gates (11 12)		
11 12 33 13 Lift Arm Parking Gates (11 12 33)		
11 12 33 13-0001 Barrier Parking Gate Operators (11 12 33 13)		
11 12 33 13-0002 Barrier Parking Gate Operators (11 12 33 13-0001)		
Note: Includes operator and barrier arm. Excludes access controls and concrete foundation.		
11 12 33 13-0003 EA 12' Plastic Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080).....	2,565.87	175.36
For 230/460 Volt AC, Add	322.50	
11 12 33 13-0004 EA 14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080).....	2,556.87	175.36
For 230/460 Volt AC, Add	322.50	
11 12 33 13-0005 EA 14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080).....	2,670.87	175.36
For 230/460 Volt AC, Add	322.50	
11 12 33 13-0006 EA 20' Three Piece Wood Arm, 1 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1602-080).....	3,797.20	175.36
For 230/460 Volt AC, Add	322.50	
11 12 33 13-0007 EA 14' Wood Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD).....	4,468.03	175.36
11 12 33 13-0008 EA 14' Aluminum Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD).....	4,648.03	175.36
11 12 33 13-0009 Barrier Parking Gate Operators With Tire Shredding Traffic Control Spikes (11 12 33 13-0001)		
Note: Includes operator, barrier arm and tire shredding traffic control spikes. Excludes access controls and concrete foundation.		
11 12 33 13-0010 EA 14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080).....	7,818.95	350.73
11 12 33 13-0011 EA 14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080).....	9,149.10	350.73
11 12 33 13-0012 EA 14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080).....	7,886.45	350.73
11 12 33 13-0013 EA 14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080).....	9,216.60	350.73
11 12 33 13-0014 Barrier Parking Gate Operator Accessories (11 12 33 13-0001)		
11 12 33 13-0015 EA 12' Plastic Replacement Arm For Barrier Parking Gate Operators.....	101.20	13.09
11 12 33 13-0016 EA 14' Wood Replacement Arm For Barrier Parking Gate Operators.....	92.20	13.09
11 12 33 13-0017 EA 14' Aluminum Replacement Arm For Barrier Parking Gate Operators.....	206.20	13.09
11 12 33 13-0018 EA 20' Three Piece Wood Replacement Arm For Barrier Parking Gate Operators.....	307.45	13.09
11 12 33 13-0019 EA Folding Wood Replacement Arm For Barrier Parking Gate Operators.....	281.20	13.09
11 12 33 13-0020 EA Folding Plastic Replacement Arm For Barrier Parking Gate Operators.....	281.20	13.09
11 12 33 13-0021 EA Folding Aluminum Replacement Arm For Barrier Parking Gate Operators.....	341.20	13.09
11 12 33 13-0022 EA Heater Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-092).....	325.94	78.60
11 12 33 13-0023 EA Fan Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-093).....	325.94	78.60
11 12 33 13-0024 EA Single Channel Detector Loop For Barrier Parking Gate Operators (DKS™ DoorKing® 9410-010).....	333.01	
11 12 33 13-0025 EA Two Channel Detector Loop For Barrier Parking Gate Operators (Federal APD DLD-10B).....	895.32	
11 12 33 13-0026 EA 36" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls (Federal APD).....	556.08	13.09
Note: Includes mounting plate and hardware. Excludes concrete foundation.		
11 12 36 Tire Shredders (11 12)		
11 12 36 00-0001 Tire Shredding Traffic Control Spikes (11 12 36)		
11 12 36 00-0002 Flush Mount, Tire Shredding Traffic Control Spikes (11 12 36 00-0001)		
11 12 36 00-0003 EA 6' Section, Flush Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-081).....	1,222.09	209.59
11 12 36 00-0004 Surface Mount, Tire Shredding Traffic Control Spikes (11 12 36 00-0001)		
11 12 36 00-0005 EA 3' Section With End Caps, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-088).....	2,129.80	104.80
11 12 36 00-0006 EA 3' Add-On Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-087).....	1,529.80	104.80
11 12 36 00-0007 Warning Signs And Signals For Tire Shredding Traffic Control Spikes (11 12 36 00-0001)		



Equipment	11
Vehicle And Pedestrian Equipment	11 10
Parking Control Equipment	11 12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 12 36 00-0008	EA		Warning Sign For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1615).....	956.10	39.30
			Note: Includes light and mounting post.		
11 12 36 00-0009	EA		Traffic Light Assembly For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603).....	787.30	52.40
			Note: Includes mounting post and hardware.		

11 13 Loading Dock Equipment (11 10)

11 13 13 Loading Dock Bumpers (11 13)

11 13 13 00-0001 Laminated Rubber Dock Bumpers (11 13 13)

11 13 13 00-0002 4-1/2" Projection, Laminated Rubber Dock Bumpers (11 13 13 00-0001)

11 13 13 00-0003	EA	14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	82.63	11.68
11 13 13 00-0004	EA	24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	105.63	11.68
11 13 13 00-0005	EA	36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	138.07	11.68
11 13 13 00-0006	EA	12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	92.43	11.68
11 13 13 00-0007	EA	14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	100.56	11.68
11 13 13 00-0008	EA	18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	115.08	11.68
11 13 13 00-0009	EA	24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	138.07	11.68
11 13 13 00-0010	EA	36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	189.98	11.68
11 13 13 00-0011	EA	12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper	105.41	11.68
11 13 13 00-0012	EA	12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper	115.08	11.68
11 13 13 00-0013	EA	12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper	142.69	11.68
11 13 13 00-0014	EA	12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	162.27	11.68
11 13 13 00-0015	EA	12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	225.83	11.68
11 13 13 00-0016	EA	11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper	131.25	11.68
11 13 13 00-0017	EA	11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	154.02	11.68
11 13 13 00-0018	EA	11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	202.52	11.68

11 13 13 00-0019 6" Projection, Laminated Rubber Dock Bumpers (11 13 13 00-0001)

11 13 13 00-0020	EA	12" x 10", 6" Projection, Laminated Rubber Dock Bumper	118.83	11.68
11 13 13 00-0021	EA	14" x 10", 6" Projection, Laminated Rubber Dock Bumper	126.86	11.68
11 13 13 00-0022	EA	18" x 10", 6" Projection, Laminated Rubber Dock Bumper	146.22	11.68
11 13 13 00-0023	EA	24" x 10", 6" Projection, Laminated Rubber Dock Bumper	175.69	11.68
11 13 13 00-0024	EA	36" x 10", 6" Projection, Laminated Rubber Dock Bumper	240.91	11.68
11 13 13 00-0025	EA	12" x 12", 6" Projection, Laminated Rubber Dock Bumper	136.65	11.68
11 13 13 00-0026	EA	14" x 12", 6" Projection, Laminated Rubber Dock Bumper	143.25	11.68
11 13 13 00-0027	EA	18" x 12", 6" Projection, Laminated Rubber Dock Bumper	169.42	11.68
11 13 13 00-0028	EA	24" x 12", 6" Projection, Laminated Rubber Dock Bumper	208.46	11.68
11 13 13 00-0029	EA	36" x 12", 6" Projection, Laminated Rubber Dock Bumper	317.78	11.68
11 13 13 00-0030	EA	11" x 20", 6" Projection, Laminated Rubber Dock Bumper	175.80	11.68
11 13 13 00-0031	EA	11" x 24", 6" Projection, Laminated Rubber Dock Bumper	201.98	11.68
11 13 13 00-0032	EA	11" x 36", 6" Projection, Laminated Rubber Dock Bumper	205.46	11.68

11 13 13 00-0033 Extruded Rubber Dock Bumpers (11 13 13)

11 13 13 00-0034 1-3/4" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)

11 13 13 00-0035	EA	12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	41.36	11.68
11 13 13 00-0036	EA	18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	44.59	11.68
11 13 13 00-0037	EA	24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	48.90	11.68
11 13 13 00-0038	EA	36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	53.21	11.68

11 13 13 00-0039 4" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)

11 13 13 00-0040	EA	12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	58.26	11.68
11 13 13 00-0041	EA	18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	71.86	11.68
11 13 13 00-0042	EA	24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	75.77	11.68
11 13 13 00-0043	EA	36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	84.69	11.68

11 13 13 00-0044 6" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)

11 13 13 00-0045	EA	12" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	72.08	11.68
11 13 13 00-0046	EA	18" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	90.40	11.68
11 13 13 00-0047	EA	24" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	105.49	11.68
11 13 13 00-0048	EA	36" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	134.28	11.68

11 13 13 00-0049 Molded Rubber Dock Bumpers (11 13 13)

11 13 13 00-0050 Rectangular Molded Rubber Dock Bumpers (11 13 13 00-0049)

11 13 13 00-0051	EA	18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper.....	60.87	11.68
11 13 13 00-0052	EA	10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	52.54	11.68
11 13 13 00-0053	EA	20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	71.53	11.68
11 13 13 00-0054	EA	30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	90.69	11.68
11 13 13 00-0055	EA	24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	95.21	11.68
11 13 13 00-0056	EA	13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	69.36	11.68
11 13 13 00-0057	EA	18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	91.45	11.68
11 13 13 00-0058	EA	30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	136.94	11.68

11 Equipment**11 10 Vehicle And Pedestrian Equipment****11 13 Loading Dock Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 13 00-0059 EA 13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	75.97	11.68
11 13 13 00-0060 EA 24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	116.37	11.68
11 13 13 00-0061 EA 18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper	115.98	11.68
11 13 13 00-0062 EA 24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper	178.58	11.68
11 13 13 00-0063 T And L Shaped Rubber Dock Bumpers (11 13 13 00-0049)		
11 13 13 00-0064 EA 22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper	109.75	11.68
11 13 13 00-0065 EA 18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper	101.76	11.68
11 13 16 Loading Dock Seals And Shelters (11 13)		
11 13 16 13 Loading Dock Seals (11 13 16)		
11 13 16 13-0001 Vinyl Loading Dock Seals (11 13 16 13)		
11 13 16 13-0002 Standard Vinyl Loading Dock Seals (11 13 16 13-0001)		
11 13 16 13-0003 LF 10" Projection, Standard, Vinyl Loading Dock Seal	57.16	11.68
11 13 16 13-0004 LF 11" Projection, Standard, Vinyl Loading Dock Seal	57.98	11.68
11 13 16 13-0005 LF 12" Projection, Standard, Vinyl Loading Dock Seal	58.81	11.68
11 13 16 13-0006 LF 13" Projection, Standard, Vinyl Loading Dock Seal	60.46	11.68
11 13 16 13-0007 LF 14" Projection, Standard, Vinyl Loading Dock Seal	62.11	11.68
11 13 16 13-0008 LF 15" Projection, Standard, Vinyl Loading Dock Seal	63.78	11.68
11 13 16 13-0009 LF 16" Projection, Standard, Vinyl Loading Dock Seal	65.45	11.68
11 13 16 13-0010 LF 17" Projection, Standard, Vinyl Loading Dock Seal	67.17	11.68
11 13 16 13-0011 LF 18" Projection, Standard, Vinyl Loading Dock Seal	68.89	11.68
11 13 16 13-0012 LF 19" Projection, Standard, Vinyl Loading Dock Seal	70.54	11.68
11 13 16 13-0013 LF 20" Projection, Standard, Vinyl Loading Dock Seal	72.19	11.68
11 13 16 13-0014 LF 22" Projection, Standard, Vinyl Loading Dock Seal	75.53	11.68
11 13 16 13-0015 8" Exposure Wear Pleats, Vinyl Loading Dock Seals (11 13 16 13-0001)		
11 13 16 13-0016 LF 10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	66.97	11.68
11 13 16 13-0017 LF 11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	67.79	11.68
11 13 16 13-0018 LF 12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	68.61	11.68
11 13 16 13-0019 LF 13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	70.29	11.68
11 13 16 13-0020 LF 14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	71.96	11.68
11 13 16 13-0021 LF 15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	73.61	11.68
11 13 16 13-0022 LF 16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	75.26	11.68
11 13 16 13-0023 LF 17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	76.93	11.68
11 13 16 13-0024 LF 18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	78.60	11.68
11 13 16 13-0025 LF 19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	80.25	11.68
11 13 16 13-0026 LF 20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	81.95	11.68
11 13 16 13-0027 LF 22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	85.25	11.68
11 13 16 13-0028 4" Exposure Wear Pleats, Vinyl Loading Dock Seals (11 13 16 13-0001)		
11 13 16 13-0029 LF 10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	72.19	11.68
11 13 16 13-0030 LF 11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	73.04	11.68
11 13 16 13-0031 LF 12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	73.88	11.68
11 13 16 13-0032 LF 13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	75.53	11.68
11 13 16 13-0033 LF 14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	77.18	11.68
11 13 16 13-0034 LF 15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	78.86	11.68
11 13 16 13-0035 LF 16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	80.53	11.68
11 13 16 13-0036 LF 17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	82.18	11.68
11 13 16 13-0037 LF 18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	83.83	11.68
11 13 16 13-0038 LF 19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	85.50	11.68
11 13 16 13-0039 LF 20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	87.17	11.68
11 13 16 13-0040 LF 22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	90.56	11.68
11 13 16 13-0041 Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13)		
11 13 16 13-0042 Standard, Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13-0041)		
11 13 16 13-0043 LF 10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	52.79	11.68
11 13 16 13-0044 LF 12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	54.09	11.68
11 13 16 13-0045 LF 14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	56.96	11.68
11 13 16 13-0046 LF 16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	59.78	11.68
11 13 16 13-0047 LF 18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	62.69	11.68
11 13 16 13-0048 LF 20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	65.52	11.68
11 13 16 13-0049 LF 22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	68.39	11.68
11 13 16 13-0050 8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13-0041)		
11 13 16 13-0051 LF 10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	62.06	11.68
11 13 16 13-0052 LF 12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	63.40	11.68
11 13 16 13-0053 LF 14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	66.26	11.68
11 13 16 13-0054 LF 16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	69.13	11.68
11 13 16 13-0055 LF 18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	71.96	11.68
11 13 16 13-0056 LF 20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	74.83	11.68



Equipment	11
Vehicle And Pedestrian Equipment	11 10
Loading Dock Equipment	11 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 13-0057 LF 22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	77.66	11.68
11 13 16 13-0058 4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain (11 13)		
16 13-0041		
11 13 16 13-0059 LF 10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	67.09	11.68
11 13 16 13-0060 LF 12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	68.39	11.68
11 13 16 13-0061 LF 14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	71.29	11.68
11 13 16 13-0062 LF 16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	74.12	11.68
11 13 16 13-0063 LF 18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	76.99	11.68
11 13 16 13-0064 LF 20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	79.82	11.68
11 13 16 13-0065 LF 22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	82.72	11.68
11 13 16 23 Loading Dock Shelters (11 13 16)		
11 13 16 23-0001 Retractable Vinyl Loading Dock Shelter (11 13 16 23)		
11 13 16 23-0002 LF Retractable Vinyl Dock Shelters, Scissor Arms	90.91	14.60
11 13 16 23-0003 Rigid Loading Dock Shelters (11 13 16 23)		
11 13 16 23-0004 LF 18" Projection, Rigid Loading Dock Shelter	66.61	14.02
11 13 16 23-0005 LF 24" Projection, Rigid Loading Dock Shelter	69.65	14.02
11 13 16 23-0006 LF 30" Projection, Rigid Loading Dock Shelter	72.32	14.60
11 13 16 23-0007 LF 36" Projection, Rigid Loading Dock Shelter	74.42	14.60
11 13 19 Stationary Loading Dock Equipment (11 13)		
Note: Includes all anchor bolts and fasteners.		
11 13 19 13 Loading Dock Levelers (11 13 19)		
11 13 19 13-0001 Hydraulic Dock Levelers (11 13 19 13)		
11 13 19 13-0002 20,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0003 EA 6' x 6', 20,000 LB Hydraulic Dock Leveler.....	6,843.68	507.23
11 13 19 13-0004 EA 6' x 8', 20,000 LB Hydraulic Dock Leveler.....	7,304.88	563.59
11 13 19 13-0005 EA 6' x 10', 20,000 LB Hydraulic Dock Leveler.....	8,993.28	676.31
11 13 19 13-0006 EA 7' x 6', 20,000 LB Hydraulic Dock Leveler.....	7,283.09	563.59
11 13 19 13-0007 EA 7' x 8', 20,000 LB Hydraulic Dock Leveler.....	7,924.55	619.95
11 13 19 13-0008 EA 7' x 10', 20,000 LB Hydraulic Dock Leveler.....	9,508.74	676.31
11 13 19 13-0009 25,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0010 EA 6' x 6', 25,000 LB Hydraulic Dock Leveler.....	6,996.19	507.23
11 13 19 13-0011 EA 6' x 8', 25,000 LB Hydraulic Dock Leveler.....	7,464.39	563.59
11 13 19 13-0012 EA 6' x 10', 25,000 LB Hydraulic Dock Leveler.....	9,142.78	676.31
11 13 19 13-0013 EA 7' x 6', 25,000 LB Hydraulic Dock Leveler.....	7,433.96	563.59
11 13 19 13-0014 EA 7' x 8', 25,000 LB Hydraulic Dock Leveler.....	8,065.16	619.95
11 13 19 13-0015 EA 7' x 10', 25,000 LB Hydraulic Dock Leveler.....	9,801.39	676.31
11 13 19 13-0016 30,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0017 EA 6' x 6', 30,000 LB Hydraulic Dock Leveler.....	7,304.89	591.77
11 13 19 13-0018 EA 6' x 8', 30,000 LB Hydraulic Dock Leveler.....	7,763.52	676.31
11 13 19 13-0019 EA 6' x 10', 30,000 LB Hydraulic Dock Leveler.....	9,485.29	789.02
11 13 19 13-0020 EA 7' x 6', 30,000 LB Hydraulic Dock Leveler.....	7,763.52	676.31
11 13 19 13-0021 EA 7' x 8', 30,000 LB Hydraulic Dock Leveler.....	8,381.01	760.85
11 13 19 13-0022 EA 7' x 10', 30,000 LB Hydraulic Dock Leveler.....	10,102.78	760.85
11 13 19 13-0023 35,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0024 EA 6' x 6', 35,000 LB Hydraulic Dock Leveler.....	7,564.31	563.59
11 13 19 13-0025 EA 6' x 8', 35,000 LB Hydraulic Dock Leveler.....	8,023.77	619.95
11 13 19 13-0026 EA 6' x 10', 35,000 LB Hydraulic Dock Leveler.....	10,136.98	732.67
11 13 19 13-0027 EA 7' x 6', 35,000 LB Hydraulic Dock Leveler.....	8,023.77	619.95
11 13 19 13-0028 EA 7' x 8', 35,000 LB Hydraulic Dock Leveler.....	8,705.80	676.31
11 13 19 13-0029 EA 7' x 10', 35,000 LB Hydraulic Dock Leveler.....	10,452.36	789.02
11 13 19 13-0030 40,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0031 EA 6' x 6', 40,000 LB Hydraulic Dock Leveler.....	8,050.18	563.59
11 13 19 13-0032 EA 6' x 8', 40,000 LB Hydraulic Dock Leveler.....	8,509.23	619.95
11 13 19 13-0033 EA 6' x 10', 40,000 LB Hydraulic Dock Leveler.....	10,248.36	732.67
11 13 19 13-0034 EA 7' x 6', 40,000 LB Hydraulic Dock Leveler.....	8,509.23	619.95
11 13 19 13-0035 EA 7' x 8', 40,000 LB Hydraulic Dock Leveler.....	9,191.77	676.31
11 13 19 13-0036 EA 7' x 10', 40,000 LB Hydraulic Dock Leveler.....	10,938.15	789.02
11 13 19 13-0037 45,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0038 EA 6' x 6', 45,000 LB Hydraulic Dock Leveler.....	8,427.45	619.95

11	Equipment
11 10	Vehicle And Pedestrian Equipment
11 13	Loading Dock Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0039	EA		6' x 8', 45,000 LB Hydraulic Dock Leveler.....	8,891.71	676.31
11 13 19 13-0040	EA		6' x 10', 45,000 LB Hydraulic Dock Leveler.....	10,624.75	789.02
11 13 19 13-0041	EA		7' x 6', 45,000 LB Hydraulic Dock Leveler.....	8,892.55	676.31
11 13 19 13-0042	EA		7' x 8', 45,000 LB Hydraulic Dock Leveler.....	9,571.18	732.67
11 13 19 13-0043	EA		7' x 10', 45,000 LB Hydraulic Dock Leveler.....	11,309.86	845.38
11 13 19 13-0044			Manual Dock Levelers (11 13 19 13)		
11 13 19 13-0045			20,000 LB Manual Dock Levelers (11 13 19 13-0044)		
11 13 19 13-0046	EA		6' x 6', 20,000 LB Manual Dock Leveler.....	5,261.68	507.23
11 13 19 13-0047	EA		6' x 8', 20,000 LB Manual Dock Leveler.....	5,732.87	563.59
11 13 19 13-0048	EA		6' x 10', 20,000 LB Manual Dock Leveler.....	7,411.28	676.31
11 13 19 13-0049	EA		7' x 6', 20,000 LB Manual Dock Leveler.....	5,702.51	563.59
11 13 19 13-0050	EA		7' x 8', 20,000 LB Manual Dock Leveler.....	6,342.55	619.95
11 13 19 13-0051	EA		7' x 10', 20,000 LB Manual Dock Leveler.....	8,088.08	676.31
11 13 19 13-0052			40,000 LB Manual Dock Levelers (11 13 19 13-0044)		
11 13 19 13-0053	EA		6' x 6', 40,000 LB Manual Dock Leveler.....	6,608.10	563.59
11 13 19 13-0054	EA		6' x 8', 40,000 LB Manual Dock Leveler.....	7,067.15	619.95
11 13 19 13-0055	EA		6' x 10', 40,000 LB Manual Dock Leveler.....	7,581.23	732.67
11 13 19 13-0056	EA		7' x 6', 40,000 LB Manual Dock Leveler.....	7,067.15	619.95
11 13 19 13-0057	EA		7' x 8', 40,000 LB Manual Dock Leveler.....	8,076.66	676.31
11 13 19 13-0058	EA		7' x 10', 40,000 LB Manual Dock Leveler.....	9,496.07	789.02
11 13 19 13-0059			Edge-Of-Dock Levelers (11 13 19 13)		
			Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.		
11 13 19 13-0060			Hydraulic Edge-Of-Dock Levelers (11 13 19 13-0059)		
11 13 19 13-0061	EA		66" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Hydraulic.....	2,639.30	169.08
11 13 19 13-0062	EA		72" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Hydraulic.....	2,858.38	169.08
11 13 19 13-0063	EA		66" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Hydraulic.....	2,826.68	169.08
11 13 19 13-0064	EA		72" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Hydraulic.....	3,127.45	169.08
11 13 19 13-0065			Manual Edge-Of-Dock Levelers (11 13 19 13-0059)		
11 13 19 13-0066	EA		66" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Manual.....	1,243.02	169.08
11 13 19 13-0067	EA		72" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Manual.....	1,375.00	169.08
11 13 19 13-0068	EA		66" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Manual.....	1,415.36	169.08
11 13 19 13-0069	EA		72" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Manual.....	1,514.34	169.08
11 13 19 23			Stationary Loading Dock Lifts (11 13 19)		
11 13 19 23-0001			Top Of Ground, Fixed Platform Lifts (11 13 19 23)		
11 13 19 23-0002	EA		6' x 8', 5,500 LB Top Of Ground, Fixed Platform Lift.....	11,316.02	118.26
11 13 19 23-0003			Pit Mounted, Fixed Platform Lifts (11 13 19 23)		
11 13 19 23-0004	EA		6' x 8', 5,000 LB Fixed Platform Lift, Pit Mounted.....	7,619.62	118.26
11 13 19 23-0005	EA		6' x 8', 8,000 LB Fixed Platform Lift, Pit Mounted.....	14,026.05	177.39
11 13 19 23-0006	EA		7' x 12', 15,000 LB Fixed Platform Lift, Pit Mounted.....	24,732.76	354.78
11 13 19 23-0007	EA		8' x 20', 15,000 LB Fixed Platform Lift, Pit Mounted.....	25,832.97	473.04
11 13 19 26			Loading Dock Truck Lifts (11 13 19)		
11 13 19 26-0001			Hydraulic Truck Lifts (11 13 19 26)		
11 13 19 26-0002	EA		10' x 15', 60,000 LB Platform Truck Lift.....	22,994.05	1,084.11
11 13 19 26-0003	EA		10' x 20', 60,000 LB Platform Truck Lift.....	26,287.12	1,300.93
11 13 19 33			Loading Dock Truck Restraints (11 13 19)		
11 13 19 33-0001			Truck Restraint System (11 13 19 33)		
11 13 19 33-0002	EA		Truck Restraint System (Poweramp Powerstop AAL)..... Note: Includes push button controls, warning lights, alarms, 30,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	5,323.31	211.35
11 13 19 33-0003	EA		Rotating Hook Truck Restraint System (Kelley Star 4)..... Note: Includes push button controls, warning lights, alarms, 32,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	4,328.04	211.35
11 13 23			Portable Dock Equipment (11 13)		
11 13 23 23			Portable Dock Platforms (11 13 23)		
11 13 23 23-0001	EA		6' x 6', 5,000 LB Capacity Portable Platform Lift.....	13,669.13	65.49



Equipment	11	
Vehicle And Pedestrian Equipment	11 10	11
Loading Dock Equipment	11 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 26 Loading Dock Lights (11 13)		
11 13 26 00-0001 Communication Lights (11 13 26)		
11 13 26 00-0002 EA Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC.....	207.76	52.71
Note: Excludes control console.		
11 13 26 00-0003 EA Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC	257.14	52.71
11 13 26 00-0004 EA Dock Guide Light For Truck Backing	115.42	42.17
11 13 26 00-0005 Communication Lights Controls (11 13 26)		
11 13 26 00-0006 EA Dock Communication Lights Control Console For Up To Two Docks.....	225.21	70.28
11 13 26 00-0007 Loading Dock Lights (11 13 26)		
11 13 26 00-0008 Incandescent Loading Dock Lights (11 13 26 00-0007)		
11 13 26 00-0009 EA 24" Long, Single Arm Loading Dock Light, 300W Incandescent	290.45	70.28
11 13 26 00-0010 EA 40" Long, Dual Arm Loading Dock Light, 300W Incandescent	256.11	70.28
11 13 26 00-0011 EA 60" Long, Dual Arm Loading Dock Light, 300W Incandescent	342.73	70.28
11 13 26 00-0012 Metal Halide Loading Dock Lights (11 13 26 00-0007)		
11 13 26 00-0013 EA 24" Long, Single Arm Loading Dock Light, 100W Metal Halide	409.13	70.28
11 13 26 00-0014 EA 40" Long, Dual Arm Loading Dock Light, 100W Metal Halide.....	449.82	70.28
11 13 26 00-0015 EA 60" Long, Dual Arm Loading Dock Light, 100W Metal Halide.....	482.36	70.28
11 13 26 00-0016 Quartz Halogen Loading Dock Lights (11 13 26 00-0007)		
11 13 26 00-0017 EA 24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen	251.54	70.28
11 13 26 00-0018 EA 40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	277.28	70.28
11 13 26 00-0019 EA 60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	299.26	70.28
11 14 Pedestrian Control Equipment (11 10)		
11 14 13 Pedestrian Gates (11 14)		
11 14 13 16 Rotary Gates (11 14 13)		
11 14 13 16-0001 Access Control Indoor Or Outdoor Impenetrability (11 14 13 16)		
11 14 13 16-0002 Mechanical (11 14 13 16-0001)		
11 14 13 16-0003 Galvanized Steel (11 14 13 16-0002)		
11 14 13 16-0004 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Galvanized Steel	6,304.25	783.73
11 14 13 16-0005 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	7,122.80	783.73
11 14 13 16-0006 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	14,207.80	1,169.29
11 14 13 16-0007 EA One-Way, Double 7' High Exit Rotary Gate, 3 Or 4 Rotor Sections, Galvanized Steel.....	13,756.39	1,169.29
11 14 13 16-0008 Powder Coated Steel (11 14 13 16-0002)		
11 14 13 16-0009 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	7,133.34	783.73
11 14 13 16-0010 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Powder Coated Steel	7,920.29	783.73
11 14 13 16-0011 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	16,782.35	1,169.29
11 14 13 16-0012 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	15,116.64	1,169.29
11 14 13 16-0013 Anodized Aluminum (11 14 13 16-0002)		
11 14 13 16-0014 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	7,492.96	783.73
11 14 13 16-0015 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	13,001.67	783.73
11 14 13 16-0016 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	15,050.44	1,169.29
11 14 13 16-0017 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum.....	25,426.85	1,169.29
11 14 13 16-0018 Stainless Steel (11 14 13 16-0002)		
11 14 13 16-0019 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	11,849.07	783.73
11 14 13 16-0020 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Stainless Steel	13,302.61	783.73
11 14 13 16-0021 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	19,022.84	1,169.29
11 14 13 16-0022 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	23,747.60	1,169.29
11 14 13 16-0023 Transparent (11 14 13 16-0002)		
11 14 13 16-0024 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Transparent.....	23,534.57	783.85
11 14 13 16-0025 Mechanical Options (11 14 13 16-0001)		
11 14 13 16-0026 EA Out-of-Use Lock Option, Add.....	127.90	
11 14 13 16-0027 EA Heel Protector (Each Heel Protector), Add	90.28	

11	Equipment
11 10	Vehicle And Pedestrian Equipment
11 14	Pedestrian Control Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0028 Electrical, One-Way <small>(11 14 13 16-0001)</small>		
11 14 13 16-0029 Galvanized Steel <small>(11 14 13 16-0028)</small>		
11 14 13 16-0030 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	6,666.88	783.73
11 14 13 16-0031 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	7,486.94	783.73
11 14 13 16-0032 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	15,562.03	1,169.29
11 14 13 16-0033 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	14,341.72	1,169.29
11 14 13 16-0034 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	15,562.03	1,169.29
11 14 13 16-0035 Powder Coated Steel <small>(11 14 13 16-0028)</small>		
11 14 13 16-0036 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	7,494.46	783.73
11 14 13 16-0037 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	8,410.83	783.73
11 14 13 16-0038 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	20,842.03	1,169.29
11 14 13 16-0039 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	15,709.49	1,169.29
11 14 13 16-0040 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	16,932.82	1,169.29
11 14 13 16-0041 Anodized Aluminum <small>(11 14 13 16-0028)</small>		
11 14 13 16-0042 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	7,644.93	783.73
11 14 13 16-0043 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	8,111.39	783.73
11 14 13 16-0044 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	13,453.08	783.73
11 14 13 16-0045 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	15,879.53	1,169.29
11 14 13 16-0046 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	17,668.61	1,169.29
11 14 13 16-0047 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	26,207.79	1,169.29
11 14 13 16-0048 Stainless Steel <small>(11 14 13 16-0028)</small>		
11 14 13 16-0049 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	12,608.94	783.73
11 14 13 16-0050 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	13,496.71	783.73
11 14 13 16-0051 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	21,845.66	1,169.29
11 14 13 16-0052 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	24,907.73	1,169.29
11 14 13 16-0053 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	27,464.21	1,169.29
11 14 13 16-0054 Transparent <small>(11 14 13 16-0028)</small>		
11 14 13 16-0055 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	21,462.59	783.85
11 14 13 16-0056 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	22,720.52	783.85
11 14 13 16-0057 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	23,269.74	783.85
11 14 13 16-0058 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	38,283.00	1,169.29
11 14 13 16-0059 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	40,705.57	1,169.29
11 14 13 16-0060 Electrical, Two-Way <small>(11 14 13 16-0001)</small>		
11 14 13 16-0061 Galvanized Steel <small>(11 14 13 16-0060)</small>		
11 14 13 16-0062 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	7,190.51	783.73
11 14 13 16-0063 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	8,034.65	783.73
11 14 13 16-0064 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	18,439.02	1,169.29
11 14 13 16-0065 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	15,276.14	1,169.29
11 14 13 16-0066 Powder Coated Steel <small>(11 14 13 16-0060)</small>		
11 14 13 16-0067 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	7,953.40	783.73
11 14 13 16-0068 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	8,922.42	783.73
11 14 13 16-0069 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	21,296.45	1,169.29
11 14 13 16-0070 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	16,651.44	1,169.29
11 14 13 16-0071 Anodized Aluminum <small>(11 14 13 16-0060)</small>		
11 14 13 16-0072 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	8,161.05	783.73
11 14 13 16-0073 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	8,606.44	783.73
11 14 13 16-0074 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	14,053.45	783.73
11 14 13 16-0075 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	16,931.31	1,169.29
11 14 13 16-0076 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	27,184.34	1,169.29
11 14 13 16-0077 Stainless Steel <small>(11 14 13 16-0060)</small>		
11 14 13 16-0078 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	13,117.53	783.73
11 14 13 16-0079 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	14,020.35	783.73
11 14 13 16-0080 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	22,218.83	1,169.29
11 14 13 16-0081 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	25,660.08	1,169.29
11 14 13 16-0082 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	28,502.45	1,169.29



Equipment	11	
Vehicle And Pedestrian Equipment	11 10	11
Pedestrian Control Equipment	11 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0083 Transparent <small>(11 14 13 16-0080)</small>		
11 14 13 16-0084 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	21,898.96	783.85
11 14 13 16-0085 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	23,081.65	783.85
11 14 13 16-0086 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels.....	23,760.27	783.85
11 14 13 16-0087 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	39,200.87	1,169.29
11 14 13 16-0088 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	41,457.92	1,169.29
11 14 13 16-0089 Electrical Options <small>(11 14 13 16-0001)</small>		
11 14 13 16-0090 EA Additional Set Of Electric Controls, Per Rotor, Add.....	501.07	
11 14 13 16-0091 EA Indicator Lights, Set, Red/Green, Per Controlled Direction, Add.....	352.10	
11 14 13 16-0092 EA Time-Out-Relay, Per Controlled Direction.....	115.86	
11 14 13 16-0093 EA Pulse-Relay, Per Controlled Direction.....	115.86	
11 14 13 16-0094 EA Pushbutton, Per Controlled Direction.....	91.79	
11 14 13 16-0095 EA Heel Protectors, (Per Heel Protector), Add.....	90.28	
11 14 13 16-0096 EA Card Reader Mounting Pad, Per Reader.....	82.76	
11 14 13 16-0097 EA Hydraulic Speed Control (Per Rotor), Add.....	2,102.07	
11 14 13 16-0098 Relocate Rotary Gate <small>(11 14 13 16-0001)</small>		
11 14 13 16-0099 EA Relocate Rotary Gate.....	2,302.19	
11 14 13 19 Turnstiles <small>(11 14 13)</small>		
11 14 13 19-0001 Security Turnstiles <small>(11 14 13 19)</small>		
11 14 13 19-0002 EA 7' Security Turnstile With Automatic Control Free Turning.....	6,543.02	388.98
Note: One direction, Type B.		
11 14 13 19-0003 EA 7' Security Turnstile, Type B Free Turning In Both Directions.....	5,719.55	388.98
11 14 13 19-0004 EA 7' Security Turnstile With Automatic Control Free Turning.....	7,820.59	388.98
Note: One direction, Type AA.		
11 14 13 19-0005 EA 7' Security Turnstile, Type AA Free Turning In Both Directions.....	7,066.65	388.98
11 14 13 19-0006 Turnstiles <small>(11 14 13 19)</small>		
11 14 13 19-0007 EA 24" Diameter Manual Turnstile, Three Arm, Two Way.....	1,367.11	221.73
11 14 13 19-0008 EA 24" Diameter Manual Turnstile, Three Arm, Two Way With Counter.....	1,790.80	221.73
11 20 Commercial Equipment <small>(11)</small>		
11 21 Retail and Service Equipment <small>(11 20)</small>		
11 21 63 Refrigerated Display Equipment <small>(11 21)</small>		
11 21 63 00-0001 Dairy Products <small>(11 21 63)</small>		
11 21 63 00-0002 Refrigerated Dairy Case <small>(11 21 63 00-0001)</small>		
11 21 63 00-0003 LF Refrigerated Case, Dairy, Multi-Deck.....	1,047.39	211.14
For Rear Sliding Doors, Add	19.95	
11 21 63 00-0004 Refrigerated Milk Unit <small>(11 21 63 00-0001)</small>		
11 21 63 00-0005 EA 46" x 32" x 49-1/2" Capacity: 12, 13" x 13" x 11" Refrigerated Milk Unit.....	4,807.93	153.50
11 21 63 00-0006 Refrigerated Ice Cream And Milk Dispenser <small>(11 21 63 00-0001)</small>		
11 21 63 00-0007 EA 63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser.....	5,330.42	168.58
11 21 63 00-0008 Ice Cream Dispenser <small>(11 21 63 00-0001)</small>		
11 21 63 00-0009 EA 46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser.....	4,452.26	141.94
11 21 63 00-0010 Drop-In Ice Cream Freezer <small>(11 21 63 00-0001)</small>		
11 21 63 00-0011 EA 27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer.....	1,110.32	35.33
11 21 63 00-0012 EA 30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer.....	1,450.89	46.19
11 21 63 00-0013 Ice Cream Cabinets <small>(11 21 63 00-0001)</small>		
11 21 63 00-0014 EA 46" x 32" x 42", 24 Gallon Ice Cream Cabinet.....	3,477.46	110.40
11 21 63 00-0015 EA 68" x 32" x 42", 48 Gallon Ice Cream Cabinet.....	4,954.20	159.32
11 21 63 00-0016 Delicatessen Case, Service Deli <small>(11 21 63)</small>		
11 21 63 00-0017 LF Delicatessen Case, Single-Deck.....	1,027.17	175.95
11 21 63 00-0018 LF Delicatessen Case, Multi-Deck.....	1,156.95	211.14

11	11 Equipment
	11 20 Commercial Equipment
	11 21 Retail and Service Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 21 63 00-0019 EA Delicatessen Case, 3 Shelf, 32" x 23" x 23".....	1,273.47	41.18
11 21 63 00-0020 Meat Case <small>(11 21 63)</small>		
11 21 63 00-0021 LF Meat Case, Single - Deck.....	777.92	211.14
11 21 63 00-0022 LF Meat Case, Multi - Deck.....	841.88	211.14
11 21 63 00-0023 Produce Case <small>(11 21 63)</small>		
11 21 63 00-0024 LF Produce Case, Single - Deck.....	808.30	211.14
11 21 63 00-0025 LF Produce Case, Multi - Deck.....	890.35	211.14
11 21 63 00-0026 Bottle Coolers <small>(11 21 63)</small>		
11 21 63 00-0027 EA Bottle Cooler, 6' Long.....	2,982.17	703.81
11 21 63 00-0028 EA Bottle Cooler, 10' Long.....	4,527.09	1,055.71
11 21 63 00-0029 Cold Pan Units <small>(11 21 63)</small>		
11 21 63 00-0030 EA 5" x 48", Iced, Cold Pan Units.....	1,779.72	56.22
11 21 63 00-0031 EA 5" x 72", Iced, Cold Pan Units.....	2,472.75	78.64
11 21 63 00-0032 EA 8" x 72", Iced, Cold Pan Units.....	2,923.68	93.01
11 21 63 00-0033 EA 5" x 48", Mechanical, Cold Pan Units.....	3,005.75	96.10
11 21 63 00-0034 EA 8" x 48", Mechanical, Cold Pan Units.....	3,271.27	103.74
11 21 63 00-0035 EA 8" x 72", Mechanical, Cold Pan Units.....	3,886.83	122.59
11 21 63 00-0036 Cold Cabinets (Insulated) <small>(11 21 63)</small>		
11 21 63 00-0037 EA 69-3/4" x 32" x 24", Insulated Cold Cabinet.....	1,615.54	48.64
11 22 Banking Equipment <small>(11 20)</small>		
11 22 13 Vault Equipment <small>(11 22)</small>		
11 22 13 16 Safes <small>(11 22 13)</small>		
11 22 13 16-0001 In Room Safes <small>(11 22 13 16)</small>		
11 22 13 16-0002 EA 8-1/8" x 7-3/16" x 10-3/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 25).....	410.41	5.84
11 22 13 16-0003 EA 8-1/8" x 7-3/16" x 16-5/8" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 41).....	384.02	5.84
11 22 13 16-0004 EA 8-1/8" x 7-3/16" x 19-13/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 49).....	399.86	5.84
11 22 13 16-0005 EA 8-1/8" x 7-3/16" x 10-3/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 25).....	447.36	5.84
Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.		
11 22 13 16-0006 EA 8-1/8" x 7-3/16" x 16-5/8" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 41).....	463.19	5.84
Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.		
11 22 13 16-0007 EA 8-1/8" x 7-3/16" x 19-13/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 49).....	479.02	5.84
Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.		
11 22 13 16-0008 EA 7-5/8" x 14" x 10-11/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 27).....	304.25	7.30
Note: Includes security wire.		
11 22 13 16-0009 EA 7-5/8" x 14" x 17-1/2" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 43).....	314.81	7.30
Note: Includes security wire.		
11 22 13 16-0010 EA 7-5/8" x 14" x 20-3/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 50).....	325.37	7.30
Note: Includes security wire.		
11 30 Residential Equipment <small>(11)</small>		
11 32 Unit Kitchens <small>(11 30)</small>		
11 32 13 Metal Unit Kitchens <small>(11 32)</small>		
Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes garbage disposer and hood exhaust vent piping.		
11 32 13 00-0001 30" Compact Kitchen <small>(11 32 13)</small>		
11 32 13 00-0002 EA 30" Compact Unit Kitchen With Refrigerator, Range And Sink.....	1,882.68	351.74
For Gas Unit, Add	212.05	
11 32 13 00-0003 EA 30" Compact Unit Kitchen With Refrigerator And Sink.....	1,632.44	246.22
11 32 13 00-0004 EA 30" Compact Unit Kitchen With Refrigerator And Range.....	1,502.09	211.05
11 32 13 00-0005 EA 30" Compact Unit Kitchen Cabinet For Upper Wall Section.....	415.26	87.63
For Range Hood In Upper Section, Add	179.00	
11 32 13 00-0006 EA 30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	912.68	116.84
For Range Hood In Upper Section, Add	179.00	
11 32 13 00-0007 EA 30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	58.34	10.48
11 32 13 00-0008 EA 30" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	51.70	10.48
11 32 13 00-0009 42" Compact Kitchen <small>(11 32 13)</small>		
11 32 13 00-0010 EA 42" Compact Unit Kitchen With Refrigerator, Range And Sink.....	2,205.83	386.92
For Gas Unit, Add	253.49	
11 32 13 00-0011 EA 42" Compact Unit Kitchen With Refrigerator And Sink.....	2,009.14	316.57



Equipment	11	
Residential Equipment	11 30	11
Unit Kitchens	11 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 32 13 00-0012 EA 42" Compact Unit Kitchen Cabinet For Upper Wall Section..... <i>For Range Hood In Upper Section, Add</i>	538.63 179.00	99.31
11 32 13 00-0013 EA 42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section <i>For Range Hood In Upper Section, Add</i>	1,062.89 179.00	131.45
11 32 13 00-0014 EA 42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	71.37	10.48
11 32 13 00-0015 EA 42" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	58.29	10.48
11 32 13 00-0016 54" Compact Kitchen (11 32 13)		
11 32 13 00-0017 EA 54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink..... <i>For Gas Unit, Add</i>	3,004.88 352.24	492.44
11 32 13 00-0018 EA 54" Compact Unit Kitchen Cabinet For Upper Wall Section..... <i>For Range Hood In Upper Section, Add</i>	673.68 179.00	58.42
11 32 13 00-0019 EA 54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section <i>For Range Hood In Upper Section, Add</i>	1,182.10 179.00	146.05
11 32 13 00-0020 EA 54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	83.65	10.48
11 32 13 00-0021 EA 54" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	60.28	10.48
11 32 13 00-0022 60" Compact Kitchen (11 32 13)		
11 32 13 00-0023 EA 60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink..... <i>For Gas Unit, Add</i>	3,155.23 367.76	527.61
11 32 13 00-0024 EA 60" Compact Unit Kitchen Cabinet For Upper Wall Section..... <i>For Range Hood In Upper Section, Add</i>	792.10 179.00	146.05
11 32 13 00-0025 EA 60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	89.26	10.48
11 32 13 00-0026 EA 60" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	60.28	10.48
11 32 13 00-0027 72" Compact Kitchen (11 32 13)		
11 32 13 00-0028 EA 72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink..... <i>For Gas Unit, Add</i>	3,385.57 395.28	562.79
11 32 13 00-0029 EA 72" Compact Unit Kitchen Cabinet For Upper Wall Section..... <i>For Range Hood In Upper Section, Add</i>	970.52 179.00	175.26
11 32 13 00-0030 EA 72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	104.71	13.09
11 32 13 00-0031 EA 72" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	62.65	13.09

11 40 Foodservice Equipment (11)

11 41 Foodservice Storage Equipment (11 40)

11 41 13 Refrigerated Food Storage Cases (11 41)

11 41 13 00-0001 Frozen Food Cases (11 41 13)

11 41 13 00-0002 LF Chest Type Frozen Food Case.....	802.93	211.14
11 41 13 00-0003 LF Reach-in Frozen Food Case (Glass Door).....	1,495.58	211.14
11 41 13 00-0004 LF Island Type Frozen Food Case.....	923.43	211.14
11 41 13 00-0005 LF Multi-Deck Frozen Food Case	1,437.27	211.14

11 41 13 00-0006 Reach-In Refrigeration (11 41 13)

11 41 13 00-0007 Reach-In Refrigerators (11 41 13 00-0006)

11 41 13 00-0008 EA Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	2,784.07	100.32
11 41 13 00-0009 EA Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	3,429.94	126.53
11 41 13 00-0010 EA Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator	4,576.36	139.79
11 41 13 00-0011 EA Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	2,998.18	100.32
11 41 13 00-0012 EA Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	3,900.59	126.53
11 41 13 00-0013 EA Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....	5,187.40	139.79
11 41 13 00-0014 EA Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	3,340.04	100.32
11 41 13 00-0015 EA Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	4,516.18	126.53
11 41 13 00-0016 EA Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator.....	4,069.59	100.32
11 41 13 00-0017 EA Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator.....	5,863.58	126.53

11 41 13 00-0018 Reach-In Freezers (11 41 13 00-0006)

11 41 13 00-0019 EA Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer	3,128.85	100.44
11 41 13 00-0020 EA Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer.....	4,147.43	126.35

11 41 31 Non-Refrigerated Storage Equipment (11 41)

11 41 31 00-0001 Wall Cabinets (11 41 31)

11 41 31 00-0002 EA 48" Wall Cabinet With Sliding Doors..... Note: 15" deep and 24" high.	1,686.75	45.63
11 41 31 00-0003 EA 72" Wall Cabinet With Sliding Doors..... Note: 15" deep and 24" high.	2,225.63	60.24
11 41 31 00-0004 EA 72" Wall Cabinet With Hinged Doors	2,554.61	69.05
11 41 31 00-0005 EA 72" Wall Cabinet With Open Shelves..... Note: 15" deep and 24" high.	1,635.01	44.05

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
11 41 31 00-0006		Mobile Sheet Pan Truck <small>(11 41 31)</small>			
11 41 31 00-0007	EA	2 Level Mobile Sheet Pan Truck.....	158.58		4.41
11 41 31 00-0008		Pot And Utensil Rack <small>(11 41 31)</small>			
11 41 31 00-0009	EA	70" Bench Type Pot And Utensil Rack.....	462.45		13.46
11 41 31 00-0010	EA	94" Bench Type Pot And Utensil Rack.....	536.06		15.21
11 41 31 00-0011	EA	94" Ceiling Type Pot And Utensil Rack.....	637.29		18.22
11 41 31 00-0012	EA	96" Wall Type Pot And Utensil Rack.....	346.56		9.95
11 41 31 00-0013		Tray And Silverware Cart <small>(11 41 31)</small>			
11 41 31 00-0014	EA	33" x 22-1/2" x 42" Tray And Silverware Cart.....	1,599.86		45.43
11 41 31 00-0015		Flat Top Utility Units <small>(11 41 31)</small>			
11 41 31 00-0016	EA	79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units.....	1,461.74		41.50
11 41 31 00-0017	EA	39" x 28-1/2" x 35-3/8" Flat Top Utility Units.....	1,090.77		31.05
11 41 33		Foodservice Shelving <small>(11 41)</small>			
11 41 33 00-0001		Shelving/Racks <small>(11 41 33)</small>			
11 41 33 00-0002		Chrome Shelving Units <small>(11 41 33 00-0001)</small>			
11 41 33 00-0003		54" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit <small>(11 41 33 00-0002)</small>			
11 41 33 00-0004	EA	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	163.98		21.10
11 41 33 00-0005	EA	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	172.38		21.29
11 41 33 00-0006	EA	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	182.76		21.46
11 41 33 00-0007	EA	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	189.21		21.64
11 41 33 00-0008	EA	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	201.52		21.81
11 41 33 00-0009	EA	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	211.95		21.98
11 41 33 00-0010	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	220.35		22.16
11 41 33 00-0011	EA	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	239.12		22.51
11 41 33 00-0012	EA	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	178.28		21.29
11 41 33 00-0013	EA	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	184.73		21.46
11 41 33 00-0014	EA	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	191.19		21.64
11 41 33 00-0015	EA	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	209.44		21.81
11 41 33 00-0016	EA	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	221.80		21.98
11 41 33 00-0017	EA	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	238.08		22.16
11 41 33 00-0018	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	244.49		22.33
11 41 33 00-0019	EA	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	267.26		22.68
11 41 33 00-0020	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	186.71		21.46
11 41 33 00-0021	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	201.00		21.64
11 41 33 00-0022	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	211.42		21.81
11 41 33 00-0023	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	223.74		21.98
11 41 33 00-0024	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	232.18		22.16
11 41 33 00-0025	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	252.41		22.33
11 41 33 00-0026	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	262.78		22.51
11 41 33 00-0027	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	289.47		22.85
11 41 33 00-0028	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	205.00		21.64
11 41 33 00-0029	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	213.40		21.81
11 41 33 00-0030	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	219.82		21.98
11 41 33 00-0031	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	236.14		22.16
11 41 33 00-0032	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	246.51		22.33
11 41 33 00-0033	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	266.74		22.51
11 41 33 00-0034	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	281.03		22.68
11 41 33 00-0035	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	315.64		23.03
11 41 33 00-0036	EA	30" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	268.60		21.81
11 41 33 00-0037	EA	30" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	300.62		21.98
11 41 33 00-0038	EA	30" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	320.90		22.16
11 41 33 00-0039	EA	30" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	366.77		22.33
11 41 33 00-0040	EA	36" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	296.30		22.51
11 41 33 00-0041	EA	36" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	326.42		22.68
11 41 33 00-0042	EA	36" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	364.35		22.85
11 41 33 00-0043	EA	36" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	425.81		23.20
11 41 33 00-0044		63" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit <small>(11 41 33 00-0002)</small>			
11 41 33 00-0045	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	165.92		21.10
11 41 33 00-0046	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	174.32		21.29
11 41 33 00-0047	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	184.69		21.46
11 41 33 00-0048	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	191.15		21.64
11 41 33 00-0049	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	203.46		21.81
11 41 33 00-0050	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	213.88		21.98
11 41 33 00-0051	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	222.29		22.16
11 41 33 00-0052	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	241.05		22.51
11 41 33 00-0053	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	180.21		21.29



	Equipment	11
	Foodservice Equipment	11 40
	Foodservice Storage Equipment	11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0054	EA		18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	186.67	21.46
11 41 33 00-0055	EA		18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	193.13	21.64
11 41 33 00-0056	EA		18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	211.37	21.81
11 41 33 00-0057	EA		18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	223.74	21.98
11 41 33 00-0058	EA		18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	240.01	22.16
11 41 33 00-0059	EA		18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	246.43	22.33
11 41 33 00-0060	EA		18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	250.04	22.68
11 41 33 00-0061	EA		21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	188.65	21.46
11 41 33 00-0062	EA		21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	202.94	21.64
11 41 33 00-0063	EA		21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	213.35	21.81
11 41 33 00-0064	EA		21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	225.67	21.98
11 41 33 00-0065	EA		21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	234.12	22.16
11 41 33 00-0066	EA		21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	254.34	22.33
11 41 33 00-0067	EA		21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	264.72	22.51
11 41 33 00-0068	EA		21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	291.41	22.85
11 41 33 00-0069	EA		24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	206.94	21.64
11 41 33 00-0070	EA		24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	215.33	21.81
11 41 33 00-0071	EA		24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	221.76	21.98
11 41 33 00-0072	EA		24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	238.08	22.16
11 41 33 00-0073	EA		24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	248.45	22.33
11 41 33 00-0074	EA		24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	268.67	22.51
11 41 33 00-0075	EA		24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	282.96	22.68
11 41 33 00-0076	EA		24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	317.58	23.03
11 41 33 00-0077	EA		30" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	270.53	21.81
11 41 33 00-0078	EA		30" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	302.56	21.98
11 41 33 00-0079	EA		30" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	322.83	22.16
11 41 33 00-0080	EA		30" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	368.70	22.33
11 41 33 00-0081	EA		36" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	298.23	22.51
11 41 33 00-0082	EA		36" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	328.35	22.68
11 41 33 00-0083	EA		36" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	366.31	22.85
11 41 33 00-0084	EA		36" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	427.74	23.20
11 41 33 00-0085			66" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)		
11 41 33 00-0086	EA		14" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	166.93	21.10
11 41 33 00-0087	EA		14" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	175.33	21.29
11 41 33 00-0088	EA		14" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	185.70	21.46
11 41 33 00-0089	EA		14" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	192.16	21.64
11 41 33 00-0090	EA		14" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	204.47	21.81
11 41 33 00-0091	EA		14" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	214.89	21.98
11 41 33 00-0092	EA		14" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	223.30	22.16
11 41 33 00-0093	EA		14" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	242.06	22.51
11 41 33 00-0094	EA		18" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	181.23	21.29
11 41 33 00-0095	EA		18" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	187.68	21.46
11 41 33 00-0096	EA		18" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	194.14	21.64
11 41 33 00-0097	EA		18" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	212.39	21.81
11 41 33 00-0098	EA		18" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	224.75	21.98
11 41 33 00-0099	EA		18" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	241.02	22.16
11 41 33 00-0100	EA		18" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	247.44	22.33
11 41 33 00-0101	EA		18" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	270.21	22.68
11 41 33 00-0102	EA		21" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	189.66	21.46
11 41 33 00-0103	EA		21" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	203.95	21.64
11 41 33 00-0104	EA		21" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	214.36	21.81
11 41 33 00-0105	EA		21" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	226.68	21.98
11 41 33 00-0106	EA		21" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	235.13	22.16
11 41 33 00-0107	EA		21" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	255.35	22.33
11 41 33 00-0108	EA		21" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	265.73	22.51
11 41 33 00-0109	EA		21" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	292.42	22.85
11 41 33 00-0110	EA		24" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	207.95	21.64
11 41 33 00-0111	EA		24" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	216.34	21.81
11 41 33 00-0112	EA		24" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	222.77	21.98
11 41 33 00-0113	EA		24" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	239.09	22.16
11 41 33 00-0114	EA		24" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	249.46	22.33
11 41 33 00-0115	EA		24" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	269.69	22.51
11 41 33 00-0116	EA		24" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	283.97	22.68
11 41 33 00-0117	EA		24" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	318.59	23.03
11 41 33 00-0118	EA		30" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	271.54	21.81
11 41 33 00-0119	EA		30" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	303.57	21.98
11 41 33 00-0120	EA		30" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	323.85	22.16
11 41 33 00-0121	EA		30" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	369.71	22.33
11 41 33 00-0122	EA		36" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	299.24	22.51
11 41 33 00-0123	EA		36" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	329.36	22.68
11 41 33 00-0124	EA		36" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	367.31	22.85
11 41 33 00-0125	EA		36" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	428.75	23.20
11 41 33 00-0126			74" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)		
11 41 33 00-0127	EA		14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	169.87	21.10
11 41 33 00-0128	EA		14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	178.28	21.29
11 41 33 00-0129	EA		14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	188.65	21.46
11 41 33 00-0130	EA		14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	195.11	21.64

11	Equipment
11 40	Foodservice Equipment
11 41	Foodservice Storage Equipment



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 41 33 00-0131	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	207.42	21.81
11 41 33 00-0132	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	217.84	21.98
11 41 33 00-0133	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	226.25	22.16
11 41 33 00-0134	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	245.01	22.51
11 41 33 00-0135	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	184.17	21.29
11 41 33 00-0136	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	190.63	21.46
11 41 33 00-0137	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	197.09	21.64
11 41 33 00-0138	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	215.33	21.81
11 41 33 00-0139	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	227.69	21.98
11 41 33 00-0140	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	243.97	22.16
11 41 33 00-0141	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	250.39	22.33
11 41 33 00-0142	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	273.15	22.68
11 41 33 00-0143	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	192.61	21.46
11 41 33 00-0144	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	206.90	21.64
11 41 33 00-0145	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	217.31	21.81
11 41 33 00-0146	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	229.63	21.98
11 41 33 00-0147	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	238.08	22.16
11 41 33 00-0148	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	258.30	22.33
11 41 33 00-0149	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	268.67	22.51
11 41 33 00-0150	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	295.37	22.85
11 41 33 00-0151	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	210.90	21.64
11 41 33 00-0152	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	219.29	21.81
11 41 33 00-0153	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	225.72	21.98
11 41 33 00-0154	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	242.03	22.16
11 41 33 00-0155	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	252.41	22.33
11 41 33 00-0156	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	272.63	22.51
11 41 33 00-0157	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	286.92	22.68
11 41 33 00-0158	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	321.54	23.03
11 41 33 00-0159	EA	30" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	274.49	21.81
11 41 33 00-0160	EA	30" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	306.52	21.98
11 41 33 00-0161	EA	30" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	326.79	22.16
11 41 33 00-0162	EA	30" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	372.66	22.33
11 41 33 00-0163	EA	36" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	302.19	22.51
11 41 33 00-0164	EA	36" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	332.31	22.68
11 41 33 00-0165	EA	36" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	370.27	22.85
11 41 33 00-0166	EA	36" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	431.70	23.20

11 41 33 00-0167 **86" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** (11 41 33 00-0002)

11 41 33 00-0168	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	177.75	21.10
11 41 33 00-0169	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	186.15	21.29
11 41 33 00-0170	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	196.52	21.46
11 41 33 00-0171	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	202.98	21.64
11 41 33 00-0172	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	215.29	21.81
11 41 33 00-0173	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	225.72	21.98
11 41 33 00-0174	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	234.12	22.16
11 41 33 00-0175	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	252.89	22.51
11 41 33 00-0176	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	192.05	21.29
11 41 33 00-0177	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	198.50	21.46
11 41 33 00-0178	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	204.96	21.64
11 41 33 00-0179	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	223.21	21.81
11 41 33 00-0180	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	235.57	21.98
11 41 33 00-0181	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	251.85	22.16
11 41 33 00-0182	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	258.26	22.33
11 41 33 00-0183	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	281.03	22.68
11 41 33 00-0184	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	200.48	21.46
11 41 33 00-0185	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	214.77	21.64
11 41 33 00-0186	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	225.19	21.81
11 41 33 00-0187	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	237.50	21.98
11 41 33 00-0188	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	245.95	22.16
11 41 33 00-0189	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	266.18	22.33
11 41 33 00-0190	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	276.55	22.51
11 41 33 00-0191	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	303.24	22.85
11 41 33 00-0192	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	218.77	21.64
11 41 33 00-0193	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	227.16	21.81
11 41 33 00-0194	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	233.59	21.98
11 41 33 00-0195	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	249.91	22.16
11 41 33 00-0196	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	260.28	22.33
11 41 33 00-0197	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	280.51	22.51
11 41 33 00-0198	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	294.79	22.68
11 41 33 00-0199	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	329.41	23.03
11 41 33 00-0200	EA	30" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	282.36	21.81
11 41 33 00-0201	EA	30" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	314.39	21.98
11 41 33 00-0202	EA	30" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	334.67	22.16
11 41 33 00-0203	EA	30" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	380.53	22.33
11 41 33 00-0204	EA	36" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	310.06	22.51
11 41 33 00-0205	EA	36" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	340.18	22.68
11 41 33 00-0206	EA	36" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	378.15	22.85
11 41 33 00-0207	EA	36" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	439.57	23.20



	Equipment	11
	Foodservice Equipment	11 40
	Foodservice Storage Equipment	11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 41 33 00-0208	96" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit <small>(11 41 33 00-0002)</small>				
11 41 33 00-0209	EA	14" x 24"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	206.83	21.10
11 41 33 00-0210	EA	14" x 30"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	217.20	21.29
11 41 33 00-0211	EA	14" x 36"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	230.04	21.46
11 41 33 00-0212	EA	14" x 42"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	237.98	21.64
11 41 33 00-0213	EA	14" x 48"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	253.24	21.81
11 41 33 00-0214	EA	14" x 54"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	266.14	21.98
11 41 33 00-0215	EA	14" x 60"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	276.51	22.16
11 41 33 00-0216	EA	14" x 72"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	299.71	22.51
11 41 33 00-0217	EA	18" x 24"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	224.57	21.29
11 41 33 00-0218	EA	18" x 30"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	232.51	21.46
11 41 33 00-0219	EA	18" x 36"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	240.45	21.64
11 41 33 00-0220	EA	18" x 42"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	263.13	21.81
11 41 33 00-0221	EA	18" x 48"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	278.45	21.98
11 41 33 00-0222	EA	18" x 54"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	298.67	22.16
11 41 33 00-0223	EA	18" x 60"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	306.55	22.33
11 41 33 00-0224	EA	18" x 72"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	334.75	22.68
11 41 33 00-0225	EA	21" x 24"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	234.99	21.46
11 41 33 00-0226	EA	21" x 30"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	252.72	21.64
11 41 33 00-0227	EA	21" x 36"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	265.61	21.81
11 41 33 00-0228	EA	21" x 42"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	280.87	21.98
11 41 33 00-0229	EA	21" x 48"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	291.30	22.16
11 41 33 00-0230	EA	21" x 54"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	316.45	22.33
11 41 33 00-0231	EA	21" x 60"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	329.29	22.51
11 41 33 00-0232	EA	21" x 72"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	362.39	22.85
11 41 33 00-0233	EA	24" x 24"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	257.72	21.64
11 41 33 00-0234	EA	24" x 30"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	268.08	21.81
11 41 33 00-0235	EA	24" x 36"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	275.98	21.98
11 41 33 00-0236	EA	24" x 42"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	296.25	22.16
11 41 33 00-0237	EA	24" x 48"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	309.08	22.33
11 41 33 00-0238	EA	24" x 54"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	334.23	22.51
11 41 33 00-0239	EA	24" x 60"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	351.96	22.68
11 41 33 00-0240	EA	24" x 72"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	394.97	23.03
11 41 33 00-0241	EA	30" x 36"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	337.08	21.81
11 41 33 00-0242	EA	30" x 48"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	376.98	21.98
11 41 33 00-0243	EA	30" x 60"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	402.19	22.16
11 41 33 00-0244	EA	30" x 72"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	459.40	22.33
11 41 33 00-0245	EA	36" x 36"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	371.18	22.51
11 41 33 00-0246	EA	36" x 48"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	408.70	22.68
11 41 33 00-0247	EA	36" x 60"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	456.02	22.85
11 41 33 00-0248	EA	36" x 72"	Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	532.54	23.20

11 41 33 00-0249 Galvanized Shelving Units (11 41 33 00-0001)

11 41 33 00-0250	54" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit <small>(11 41 33 00-0249)</small>				
11 41 33 00-0251	EA	14" x 24"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	183.64	21.10
11 41 33 00-0252	EA	14" x 30"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	192.59	21.29
11 41 33 00-0253	EA	14" x 36"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	203.68	21.46
11 41 33 00-0254	EA	14" x 42"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	212.62	21.64
11 41 33 00-0255	EA	14" x 48"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	225.82	21.81
11 41 33 00-0256	EA	14" x 54"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	236.87	21.98
11 41 33 00-0257	EA	14" x 60"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	247.97	22.16
11 41 33 00-0258	EA	14" x 72"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	265.85	22.51
11 41 33 00-0259	EA	18" x 24"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	198.91	21.29
11 41 33 00-0260	EA	18" x 30"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	205.79	21.46
11 41 33 00-0261	EA	18" x 36"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	218.94	21.64
11 41 33 00-0262	EA	18" x 42"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	234.24	21.81
11 41 33 00-0263	EA	18" x 48"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	247.44	21.98
11 41 33 00-0264	EA	18" x 54"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	264.81	22.16
11 41 33 00-0265	EA	18" x 60"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	278.01	22.33
11 41 33 00-0266	EA	18" x 72"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	298.07	22.68
11 41 33 00-0267	EA	21" x 24"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	207.89	21.46
11 41 33 00-0268	EA	21" x 30"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	225.30	21.64
11 41 33 00-0269	EA	21" x 36"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	236.34	21.81
11 41 33 00-0270	EA	21" x 42"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	249.55	21.98
11 41 33 00-0271	EA	21" x 48"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	258.50	22.16
11 41 33 00-0272	EA	21" x 54"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	282.22	22.33
11 41 33 00-0273	EA	21" x 60"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	293.31	22.51
11 41 33 00-0274	EA	21" x 72"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	325.98	22.85
11 41 33 00-0275	EA	24" x 24"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	229.51	21.64
11 41 33 00-0276	EA	24" x 30"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	238.45	21.81
11 41 33 00-0277	EA	24" x 36"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	245.34	21.98
11 41 33 00-0278	EA	24" x 42"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	262.71	22.16
11 41 33 00-0279	EA	24" x 48"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	282.22	22.33
11 41 33 00-0280	EA	24" x 54"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	303.83	22.51
11 41 33 00-0281	EA	24" x 60"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	321.24	22.68
11 41 33 00-0282	EA	24" x 72"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	360.28	23.03

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0283			63" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0284	EA		14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	187.85	21.10
11 41 33 00-0285	EA		14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	196.80	21.29
11 41 33 00-0286	EA		14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	207.89	21.46
11 41 33 00-0287	EA		14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	216.83	21.64
11 41 33 00-0288	EA		14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	230.03	21.81
11 41 33 00-0289	EA		14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	241.08	21.98
11 41 33 00-0290	EA		14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	252.18	22.16
11 41 33 00-0291	EA		14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	270.06	22.51
11 41 33 00-0292	EA		18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	203.12	21.29
11 41 33 00-0293	EA		18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	210.00	21.46
11 41 33 00-0294	EA		18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	223.15	21.64
11 41 33 00-0295	EA		18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	238.45	21.81
11 41 33 00-0296	EA		18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	251.65	21.98
11 41 33 00-0297	EA		18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	269.02	22.16
11 41 33 00-0298	EA		18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	282.22	22.33
11 41 33 00-0299	EA		18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	302.25	22.68
11 41 33 00-0300	EA		21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	212.10	21.46
11 41 33 00-0301	EA		21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	229.51	21.64
11 41 33 00-0302	EA		21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	240.55	21.81
11 41 33 00-0303	EA		21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	253.76	21.98
11 41 33 00-0304	EA		21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	262.71	22.16
11 41 33 00-0305	EA		21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	286.43	22.33
11 41 33 00-0306	EA		21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	297.52	22.51
11 41 33 00-0307	EA		21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	330.19	22.85
11 41 33 00-0308	EA		24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	233.72	21.64
11 41 33 00-0309	EA		24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	242.66	21.81
11 41 33 00-0310	EA		24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	249.55	21.98
11 41 33 00-0311	EA		24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	266.92	22.16
11 41 33 00-0312	EA		24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	286.43	22.33
11 41 33 00-0313	EA		24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	308.04	22.51
11 41 33 00-0314	EA		24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	325.45	22.68
11 41 33 00-0315	EA		24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	364.49	23.03
11 41 33 00-0316			74" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0317	EA		14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	192.06	21.10
11 41 33 00-0318	EA		14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	201.01	21.29
11 41 33 00-0319	EA		14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	212.10	21.46
11 41 33 00-0320	EA		14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	221.04	21.64
11 41 33 00-0321	EA		14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	234.24	21.81
11 41 33 00-0322	EA		14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	245.29	21.98
11 41 33 00-0323	EA		14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	256.39	22.16
11 41 33 00-0324	EA		14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	274.27	22.51
11 41 33 00-0325	EA		18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	207.33	21.29
11 41 33 00-0326	EA		18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	214.21	21.46
11 41 33 00-0327	EA		18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	227.36	21.64
11 41 33 00-0328	EA		18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	242.66	21.81
11 41 33 00-0329	EA		18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	255.86	21.98
11 41 33 00-0330	EA		18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	273.23	22.16
11 41 33 00-0331	EA		18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	286.43	22.33
11 41 33 00-0332	EA		18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	306.46	22.68
11 41 33 00-0333	EA		21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	216.31	21.46
11 41 33 00-0334	EA		21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	233.72	21.64
11 41 33 00-0335	EA		21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	244.76	21.81
11 41 33 00-0336	EA		21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	257.97	21.98
11 41 33 00-0337	EA		21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	266.92	22.16
11 41 33 00-0338	EA		21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	290.64	22.33
11 41 33 00-0339	EA		21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	301.73	22.51
11 41 33 00-0340	EA		21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	334.40	22.85
11 41 33 00-0341	EA		24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	237.93	21.64
11 41 33 00-0342	EA		24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	246.87	21.81
11 41 33 00-0343	EA		24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	253.76	21.98
11 41 33 00-0344	EA		24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	271.13	22.16
11 41 33 00-0345	EA		24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	290.64	22.33
11 41 33 00-0346	EA		24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	312.25	22.51
11 41 33 00-0347	EA		24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	329.66	22.68
11 41 33 00-0348	EA		24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	368.70	23.03
11 41 33 00-0349			86" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0350	EA		14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	202.63	21.10
11 41 33 00-0351	EA		14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	211.58	21.29
11 41 33 00-0352	EA		14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	222.67	21.46
11 41 33 00-0353	EA		14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	231.61	21.64
11 41 33 00-0354	EA		14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	244.81	21.81
11 41 33 00-0355	EA		14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	255.86	21.98
11 41 33 00-0356	EA		14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	266.96	22.16
11 41 33 00-0357	EA		14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	284.84	22.51
11 41 33 00-0358	EA		18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	217.90	21.29



	Equipment	11
	Foodservice Equipment	11 40
	Foodservice Storage Equipment	11 41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0359 EA 18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	224.78	21.46
11 41 33 00-0360 EA 18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	237.93	21.64
11 41 33 00-0361 EA 18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	253.23	21.81
11 41 33 00-0362 EA 18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	266.43	21.98
11 41 33 00-0363 EA 18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	283.80	22.16
11 41 33 00-0364 EA 18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	297.00	22.33
11 41 33 00-0365 EA 18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	317.03	22.68
11 41 33 00-0366 EA 21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	226.88	21.46
11 41 33 00-0367 EA 21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	244.29	21.64
11 41 33 00-0368 EA 21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	255.33	21.81
11 41 33 00-0369 EA 21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	268.54	21.98
11 41 33 00-0370 EA 21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	277.49	22.16
11 41 33 00-0371 EA 21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	301.21	22.33
11 41 33 00-0372 EA 21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	312.30	22.51
11 41 33 00-0373 EA 21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	344.97	22.85
11 41 33 00-0374 EA 24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	248.50	21.64
11 41 33 00-0375 EA 24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	257.44	21.81
11 41 33 00-0376 EA 24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	264.33	21.98
11 41 33 00-0377 EA 24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	281.70	22.16
11 41 33 00-0378 EA 24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	301.21	22.33
11 41 33 00-0379 EA 24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	322.82	22.51
11 41 33 00-0380 EA 24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	340.23	22.68
11 41 33 00-0381 EA 24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	379.27	23.03
11 41 33 00-0382 54" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0383 EA 18" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	339.19	21.64
11 41 33 00-0384 EA 18" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	371.90	21.98
11 41 33 00-0385 EA 18" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	415.14	22.33
11 41 33 00-0386 EA 18" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	441.49	22.68
11 41 33 00-0387 EA 24" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	369.76	21.98
11 41 33 00-0388 EA 24" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	425.67	22.33
11 41 33 00-0389 EA 24" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	468.90	22.68
11 41 33 00-0390 EA 24" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	533.24	23.03
11 41 33 00-0391 63" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0392 EA 18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	343.40	21.64
11 41 33 00-0393 EA 18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	376.12	21.98
11 41 33 00-0394 EA 18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	419.35	22.33
11 41 33 00-0395 EA 18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	445.70	22.68
11 41 33 00-0396 EA 24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	373.97	21.98
11 41 33 00-0397 EA 24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	429.88	22.33
11 41 33 00-0398 EA 24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	473.11	22.68
11 41 33 00-0399 EA 24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	537.45	23.03
11 41 33 00-0400 74" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0401 EA 18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	347.61	21.64
11 41 33 00-0402 EA 18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	380.33	21.98
11 41 33 00-0403 EA 18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	423.57	22.33
11 41 33 00-0404 EA 18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	449.91	22.68
11 41 33 00-0405 EA 24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	378.18	21.98
11 41 33 00-0406 EA 24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	434.09	22.33
11 41 33 00-0407 EA 24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	477.32	22.68
11 41 33 00-0408 EA 24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	541.67	23.03
11 41 33 00-0409 86" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0410 EA 18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	358.18	21.64
11 41 33 00-0411 EA 18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	390.89	21.98
11 41 33 00-0412 EA 18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	434.13	22.33
11 41 33 00-0413 EA 18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	460.48	22.68
11 41 33 00-0414 EA 24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	388.75	21.98
11 41 33 00-0415 EA 24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	444.66	22.33
11 41 33 00-0416 EA 24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	487.89	22.68
11 41 33 00-0417 EA 24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	552.23	23.03
11 41 33 00-0418 Stainless Steel Shelving Unit (11 41 33 00-0001)		
11 41 33 00-0419 63" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0420 EA 18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	590.22	21.64
11 41 33 00-0421 EA 18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	690.43	21.98
11 41 33 00-0422 EA 18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	817.15	22.33
11 41 33 00-0423 EA 18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	949.87	22.68
11 41 33 00-0424 EA 24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	698.85	21.98
11 41 33 00-0425 EA 24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	813.84	22.33
11 41 33 00-0426 EA 24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	964.65	22.68
11 41 33 00-0427 EA 24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,163.98	23.03

11	Equipment
11 40	Foodservice Equipment
11 41	Foodservice Storage Equipment



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0428			74" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0429	EA		18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	611.32	21.98
11 41 33 00-0430	EA		18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	711.53	21.98
11 41 33 00-0431	EA		18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	841.25	22.33
11 41 33 00-0432	EA		18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	970.96	22.68
11 41 33 00-0433	EA		24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	719.95	21.98
11 41 33 00-0434	EA		24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	834.93	22.33
11 41 33 00-0435	EA		24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	985.74	22.68
11 41 33 00-0436	EA		24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,185.08	23.03
11 41 33 00-0437			86" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0438	EA		18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	632.41	21.64
11 41 33 00-0439	EA		18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	732.62	21.98
11 41 33 00-0440	EA		18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	862.34	22.33
11 41 33 00-0441	EA		18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	992.06	22.68
11 41 33 00-0442	EA		24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	741.04	21.98
11 41 33 00-0443	EA		24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	856.03	22.33
11 41 33 00-0444	EA		24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,006.84	22.68
11 41 33 00-0445	EA		24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,206.17	23.03
11 41 33 00-0446			63" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0447	EA		18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	704.16	21.64
11 41 33 00-0448	EA		18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	777.91	21.98
11 41 33 00-0449	EA		18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	875.79	22.33
11 41 33 00-0450	EA		18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	934.93	22.68
11 41 33 00-0451	EA		24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	842.30	21.98
11 41 33 00-0452	EA		24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	991.02	22.33
11 41 33 00-0453	EA		24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,099.50	22.68
11 41 33 00-0454	EA		24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,261.71	23.03
11 41 33 00-0455			74" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0456	EA		18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	725.25	21.64
11 41 33 00-0457	EA		18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	800.28	21.98
11 41 33 00-0458	EA		18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	899.89	22.33
11 41 33 00-0459	EA		18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	960.03	22.68
11 41 33 00-0460	EA		24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	863.40	21.98
11 41 33 00-0461	EA		24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,012.11	22.33
11 41 33 00-0462	EA		24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,121.78	22.68
11 41 33 00-0463	EA		24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,285.81	23.03
11 41 33 00-0464			86" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0465	EA		18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	746.35	21.64
11 41 33 00-0466	EA		18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	820.97	21.98
11 41 33 00-0467	EA		18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	920.06	22.33
11 41 33 00-0468	EA		18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	979.92	22.68
11 41 33 00-0469	EA		24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	884.49	21.98
11 41 33 00-0470	EA		24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,033.21	22.33
11 41 33 00-0471	EA		24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,142.20	22.68
11 41 33 00-0472	EA		24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,305.17	23.03
11 41 33 00-0473			Galvanized Steel Dunnage Rack (11 41 33 00-0001)		
11 41 33 00-0474	EA		18" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	138.14	15.56
11 41 33 00-0475	EA		18" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	145.45	15.99
11 41 33 00-0476	EA		18" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	153.76	16.43
11 41 33 00-0477	EA		18" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	169.07	16.86
11 41 33 00-0478	EA		18" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	182.38	17.29
11 41 33 00-0479	EA		24" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	148.14	15.56
11 41 33 00-0480	EA		24" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	161.45	15.99
11 41 33 00-0481	EA		24" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	169.76	16.43
11 41 33 00-0482	EA		24" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	184.07	16.86
11 41 33 00-0483	EA		24" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	200.38	17.29
11 41 33 00-0484			Stainless Steel Dunnage Rack (11 41 33 00-0001)		
11 41 33 00-0485	EA		18" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	362.17	16.43
11 41 33 00-0486	EA		18" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	452.80	16.86
11 41 33 00-0487	EA		18" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	761.39	17.29
11 41 33 00-0488	EA		24" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	395.61	16.43
11 41 33 00-0489	EA		24" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	491.52	16.86
11 41 33 00-0490	EA		24" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	829.73	17.29



Equipment	11	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0491 Mobile Racks <small>(11 41 33 00-0001)</small>		
11 41 33 00-0492 EA Mobile Rack With Pan Slide.....	1,362.87	26.19
11 41 33 00-0493 Can Racks <small>(11 41 33 00-0001)</small>		
11 41 33 00-0494 EA 27-1/4" Wide x 42" Deep x 81-1/16" High, Aluminum Frame Can Rack..... Note: 156 #10 cans capacity	2,009.80	26.19
11 42 Food Preparation Equipment <small>(11 40)</small>		
11 42 13 Food Preparation Appliances <small>(11 42)</small>		
11 42 13 00-0001 Vertical Cutter Mixers <small>(11 42 13)</small>		
11 42 13 00-0002 EA Bench Type Mixers, 25 Quart.....	8,053.49	150.63
11 42 13 00-0003 EA Bench Type Mixers, 40 Quart.....	9,259.15	150.63
11 42 13 00-0004 EA Bench Type Mixers, 80 Quart.....	11,580.05	259.08
11 42 13 00-0005 EA Bench Type Mixers, 130 Quart.....	13,069.79	421.77
11 42 13 00-0006 Choppers <small>(11 42 13)</small>		
11 42 13 00-0007 EA Choppers, 5 LB.....	1,992.97	120.51
11 42 13 00-0008 EA Choppers, 16 LB.....	2,926.14	156.65
11 42 13 00-0009 EA Choppers, 35 LB - 40 LB.....	5,690.21	192.81
11 42 13 00-0010 EA Choppers, 35 LB - 40 LB/Min, 2 HP.....	4,729.85	171.30
11 42 13 00-0011 EA Choppers, 35 LB - 40 LB/Min, 3 HP.....	5,371.05	171.30
11 42 13 00-0012 Floor Model Mixer <small>(11 42 13)</small>		
11 42 13 00-0013 EA Floor Type Mixers, 20 Quart.....	3,846.84	90.38
11 42 13 00-0014 EA Floor Type Mixers, 60 Quart.....	9,500.45	60.25
11 42 13 00-0015 EA Floor Type Mixers, 80 Quart.....	15,008.45	60.25
11 42 13 00-0016 EA Floor Type Mixers, 140 Quart.....	19,017.95	96.41
11 42 13 00-0017 Slicers <small>(11 42 13)</small>		
11 42 13 00-0018 EA Slicer With Table.....	3,194.93	87.01
11 42 13 00-0019 Peelers <small>(11 42 13)</small>		
11 42 13 00-0020 EA Small Peeler.....	2,176.72	97.91
11 42 13 00-0021 EA Large Peeler.....	2,295.06	130.57
11 42 13 00-0022 Proof Boxes <small>(11 42 13)</small>		
11 42 13 00-0023 EA 30-1/2" x 22-1/2", Stainless Steel Proof Box.....	1,120.39	45.43
11 42 13 00-0024 EA 30-1/2" x 45", Stainless Steel Proof Box.....	1,874.88	76.12
11 42 13 00-0025 EA 30-1/2" x 45", Galvanized Proof Box.....	1,676.14	34.55
11 42 13 00-0026 Non-Insulated Heated Proof Cabinet <small>(11 42 13)</small>		
11 42 13 00-0027 EA Angle Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet.....	1,526.01	43.53
11 42 13 00-0028 EA Angle Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet.....	1,637.06	46.54
11 42 13 00-0029 EA Channel Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet.....	1,515.66	43.17
11 42 13 00-0030 EA Channel Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet.....	1,606.39	45.77
11 42 13 00-0031 Insulated Heated Proof Cabinet <small>(11 42 13)</small>		
11 42 13 00-0032 EA 3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet.....	2,468.48	66.83
11 42 13 00-0033 EA 3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet.....	2,579.59	69.87
11 42 13 00-0034 Pass-Thru Hot Food Holding Cabinet <small>(11 42 13)</small>		
11 42 13 00-0035 EA Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	3,794.07	126.53
11 42 13 00-0036 EA Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet.....	4,035.03	126.53
11 42 13 00-0037 EA Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	5,146.86	132.55
11 42 13 00-0038 EA Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet.....	5,639.08	132.55
11 42 16 Food Preparation Surfaces <small>(11 42)</small>		
11 42 16 00-0001 Tables <small>(11 42 16)</small>		
11 42 16 00-0002 Baker's Table <small>(11 42 16 00-0001)</small>		
11 42 16 00-0003 EA 4' Open Base Baker's Table.....	733.43	29.80
11 42 16 00-0004 EA 10' Open Base Baker's Table.....	1,439.49	58.42
11 42 16 00-0005 EA 10' Undershelf Baker's Table.....	1,776.10	72.09
11 42 16 00-0006 EA 10' Three Drawers Baker's Table.....	1,904.88	77.40
11 42 16 00-0007 EA 10' Bins Baker's Table.....	2,802.58	113.92

11	Equipment
11 40	Foodservice Equipment
11 42	Food Preparation Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 16 00-0008 EA 10' Bins And Drawers Baker's Table.....	4,400.88	178.82
11 42 16 00-0009 Preparation Table, Stainless Steel, With Undershelf <small>(11 42 16 00-0001)</small>		
11 42 16 00-0010 EA 30" x 72" Square Edge Stainless Steel Preparation Table With Undershelf	408.25	15.71
11 42 16 00-0011 EA 30" x 72" Marine Edge Stainless Steel Preparation Table With Undershelf	440.98	18.87
11 42 16 00-0012 EA 36" x 96" Marine Edge Stainless Steel Preparation Table With Undershelf.....	665.03	25.65
11 42 16 00-0013 Preparation Table, Stainless Steel, With Open Front <small>(11 42 16 00-0001)</small>		
11 42 16 00-0014 EA 30" X 72" Round Edge Stainless Steel Preparation Table With Open Front.....	429.87	16.53
11 42 16 00-0015 EA 36" X 96" Round Edge Stainless Steel Preparation Table With Open Front.....	552.52	21.26
11 42 16 00-0016 EA 36" X 96" Square Edge Stainless Steel Preparation Table With Open Front.....	474.60	18.29
11 42 16 00-0017 EA 36" X 96" Marine Edge Stainless Steel Preparation Table With Open Front.....	571.27	22.03
11 42 16 00-0018 EA Roller Utility Drawers Stainless Steel Preparation Table With Open Front.....	115.40	4.44
11 42 16 00-0019 Mobile Tables <small>(11 42 16 00-0001)</small>		
11 42 16 00-0020 EA 21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	1,598.74	14.08
11 42 16 00-0021 EA 32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	863.59	16.88
11 42 16 00-0022 EA 32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top	491.94	18.98
11 42 16 00-0023 Hot Food Tables, Stainless Steel, Gas Or Electric <small>(11 42 16 00-0001)</small>		
11 42 16 00-0024 EA 32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables	878.59	33.88
11 42 16 00-0025 EA 32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables	712.63	27.46
11 42 16 00-0026 EA Full Size Pan With Cover Stainless Steel Hot Food Tables.....	59.15	2.28
11 42 16 00-0027 EA Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables.....	86.53	3.33
11 42 16 00-0028 EA 58-1/2", 4 Openings Stainless Steel Hot Food Tables	1,749.10	71.14
11 42 16 00-0029 EA 114-1/2", 8 Openings Stainless Steel Hot Food Tables	3,479.96	141.94
11 42 16 00-0030 Basic Table <small>(11 42 16 00-0001)</small>		
11 42 16 00-0031 LF Table, Basic.....	243.63	14.57
11 42 16 00-0032 Table With Sink <small>(11 42 16)</small>		
11 42 16 00-0033 LF Table With Sink.....	299.91	27.01
11 42 23 Food Preparation Scullery Sinks <small>(11 42)</small>		
11 42 23 00-0001 Stainless Steel Scullery Sinks <small>(11 42 23)</small>		
Note: Excludes faucet. See CSI section 22 42 39 00-0075 for service sink faucets.		
11 42 23 00-0002 EA Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drainboard.....	1,917.97	113.34
<i>For Additional Drain Board, Add</i>		
	180.46	
11 42 23 00-0003 EA Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drainboard.....	2,659.47	129.53
<i>For Additional Drain Board, Add</i>		
	253.80	
11 42 23 00-0004 EA Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drainboard.....	3,496.56	129.53
<i>For Additional Drain Board, Add</i>		
	336.70	
11 42 23 00-0005 EA Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drainboard.....	4,953.95	129.53
<i>For Additional Drain Board, Add</i>		
	482.44	
11 42 23 00-0006 EA Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drainboard.....	3,174.15	129.53
11 44 Food Cooking Equipment <small>(11 40)</small>		
11 44 13 Commercial Ranges <small>(11 44)</small>		
11 44 13 00-0001 Range <small>(11 44 13)</small>		
11 44 13 00-0002 EA Heavy Duty Range, With 34" Open Top Oven.....	1,898.31	60.25
11 44 13 00-0003 EA Range With Fry Top.....	1,898.31	60.25
11 44 13 00-0004 EA Steel Finish Fry Top.....	4,077.29	85.44
11 44 13 00-0005 EA Stainless Top Only Fry Top	4,075.72	84.46
11 44 13 00-0006 EA Stainless Top And 2 Sides Fry Top.....	4,709.42	98.34
11 44 13 00-0007 EA Gas Range, Vulcan #260L.....	4,245.08	87.62
Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel plated oven racks.		
11 44 16 Commercial Ovens <small>(11 44)</small>		
11 44 16 00-0001 Bake Oven <small>(11 44 16)</small>		
11 44 16 00-0002 EA Bake Oven - Single Deck.....	3,953.50	90.38
11 44 16 00-0003 EA Bake Oven - Double Deck	8,091.93	120.51
11 44 16 00-0004 EA Bake Oven - Triple Deck.....	11,787.02	120.51
11 44 16 00-0005 EA Rotary Oven, Gas, Medium	28,044.26	3,916.43
11 44 16 00-0006 Combination Ovens <small>(11 44 16)</small>		
Note: Convection, steam and combination modes.		



Equipment	11	
Foodservice Equipment	11 40	11
Food Cooking Equipment	11 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0007 EA 35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven	12,209.13	105.45
11 44 16 00-0008 EA 35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven	20,017.63	120.51
11 44 16 00-0009 EA 35.4" x 34" x 36.8 Half Size Electric Boilerless Combination Oven	16,541.55	120.51
11 44 16 00-0010 EA 35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven	39,889.61	150.63
11 44 16 00-0011 EA 35.4" x 34" x 70.4 Half Size Electric Boilerless Combination Oven	30,291.87	150.63
11 44 16 00-0012 Electric Convection Type Oven (11 44 16)		
11 44 16 00-0013 EA 40" x 45" x 57" Convection Oven	6,209.10	102.43
11 44 16 00-0014 EA 30" x 25" x 29" Half Size Electric Convection Oven	3,573.03	105.45
11 44 16 00-0015 EA 30" x 25" x 66-3/4" Half Size Electric Convection Oven	7,311.39	112.97
11 44 16 00-0016 EA 40" x 41-1/2" x 56-3/4" Single Deck Electric Convection Oven	5,041.30	112.97
11 44 16 00-0017 EA 40" x 41-1/2" x 70" Single Deck Electric Convection Oven	9,557.86	120.51
11 44 16 00-0018 Broiler, Without Oven (11 44 16)		
11 44 16 00-0019 EA 69" x 26" x 39" Broiler Without Oven	5,301.27	96.41
11 44 16 00-0020 EA Conveyor Broiler	4,701.95	111.89
11 44 19 Other Commercial Cooking Equipment (11 44)		
11 44 19 00-0001 Electric Griddle (11 44 19)		
11 44 19 00-0002 EA 24" Wide x 24" Deep Electric Griddle	2,158.47	82.85
11 44 19 00-0003 EA 36" Wide x 24" Deep Electric Griddle	3,061.35	82.85
11 44 19 00-0004 EA 48" Wide x 24" Deep Electric Griddle	3,502.78	90.38
11 44 19 00-0005 EA 60" Wide x 24" Deep Electric Griddle	4,187.10	90.38
11 44 19 00-0006 EA 72" Wide x 24" Deep Electric Griddle	5,362.29	97.91
11 44 19 00-0007 Fryer, With Submerger (11 44 19)		
11 44 19 00-0008 EA Single Fryer With Submerger	2,885.04	96.41
11 44 19 00-0009 EA Double Fryer With Submerger	5,874.16	120.51
11 44 19 00-0010 EA Fryer Battery With Filter Unit (Single 42 LB Capacity)	8,900.01	156.65
11 44 19 00-0011 EA Fryer Battery With Filter Unit (Triple 42 LB Capacity)	21,112.01	195.82
11 44 19 00-0012 EA 50 LB Capacity, 208 Volt, Electric Fryer	3,404.67	120.51
11 44 19 00-0013 EA 50 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer	4,998.90	126.53
11 44 19 00-0014 EA 50 LB Capacity, 480 Volt, Electric Fryer	3,572.35	120.51
11 44 19 00-0015 EA 50 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer	5,166.58	126.53
11 44 19 00-0016 EA 85 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer	11,357.82	156.65
11 44 19 00-0017 EA 85 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer	11,632.98	156.65
11 44 19 00-0018 Kettles, Steam Jacketed (11 44 19)		
11 44 19 00-0019 EA 5 Gallon Kettle, With Stand	2,983.46	70.10
11 44 19 00-0020 EA 20 Gallon Kettle With Steam Jacket	3,956.75	70.10
11 44 19 00-0021 EA 40 Gallon Kettle With Steam Jacket	7,042.87	70.10
11 44 19 00-0022 EA 60 Gallon Kettle With Steam Jacket	11,015.32	70.10
11 44 19 00-0023 Steamers, Electric (11 44 19)		
11 44 19 00-0024 Cooking Equipment/ Steamers (11 44 19 00-0023)		
11 44 19 00-0025 EA 3 Pan, Electric Countertop Convection Steamer	4,665.70	126.53
11 44 19 00-0026 EA 5 Pan, Electric Countertop Convection Steamer	6,138.13	132.55
11 44 19 00-0027 EA 3 Pan, Electric Countertop Boilerless/Connectionless Steamer	4,318.88	126.53
11 44 19 00-0028 EA 5 Pan, Electric Countertop Boilerless/Connectionless Steamer	6,287.89	132.55
11 44 19 00-0029 Braising Pans (11 44 19)		
11 44 19 00-0030 EA 24" x 24", 240 Volt, Tilting Braising Pan	6,299.53	122.18
11 44 19 00-0031 EA 24" x 31", 240 Volt, Tilting Braising Pan	6,647.81	128.48
11 44 19 00-0032 EA 24" x 41", 240 Volt, Tilting Braising Pan	7,080.43	136.82
11 44 19 00-0033 EA 24" x 24", 62,000 BTU/Hour, Tilting Braising Pan	8,212.20	159.32
11 44 19 00-0034 EA 24" x 31", 90,000 BTU/Hour, Tilting Braising Pan	8,492.04	164.23
11 44 19 00-0035 EA 24" x 41", 120,000 BTU/Hour, Tilting Braising Pan	8,822.65	168.58
11 44 19 00-0036 Toasters (11 44 19)		
11 44 19 00-0037 EA Bun Toaster 3.2 KW	1,242.51	22.79
11 44 19 00-0038 EA Bun Toaster 4.3 KW	1,356.06	24.83
11 44 19 00-0039 EA Pop-Up Toaster, 2 Slot	394.28	65.25
11 44 19 00-0040 EA Conveyor Toaster	683.97	97.91
11 44 19 00-0041 Microwave Ovens (11 44 19)		
11 44 19 00-0042 EA 1,000 Watt Commercial Grade Microwave Oven, Freestanding Metallic Cabinet With Dial Timer	662.72	
11 44 19 00-0043 EA 1,000 Watt Commercial Grade Microwave Oven, Freestanding Stainless Steel Cabinet With Digital Display	921.43	

11	Equipment
11 40	Foodservice Equipment
11 44	Food Cooking Equipment



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0044		Ceramic Broiler On Storage Base With Doors ^(11 44 19)		
11 44 19 00-0045	EA	Standard Finish Ceramic Boiler On Storage Base With Doors	5,190.54	100.17
11 44 19 00-0046	EA	Stainless Steel Front Ceramic Boiler On Storage Base With Doors	5,190.54	100.17
11 44 19 00-0047	EA	Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors	6,451.14	125.05
11 44 19 00-0048		Gas Countertop Hot Plate ^(11 44 19)		
11 44 19 00-0049	EA	2 Burners Gas Countertop Hot Plate	661.74	12.75
11 46		Food Dispensing Equipment ^(11 46)		
11 46 13		Bar Equipment ^(11 46)		
11 46 13 00-0001		Soft Serve Machines ^(11 46 13)		
11 46 13 00-0002	EA	Soft Serve Machines, Medium	9,097.91	71.22
11 46 13 00-0003	EA	Soft Serve Machines, Large	15,360.90	87.01
11 46 13 00-0004		Salad Bars ^(11 46 13)		
11 46 13 00-0005	EA	96" Refrigerated Salad Bar With Light 54" Height	6,793.37	271.61
11 46 13 00-0006	EA	96" Refrigerated Salad Bar Without Light 54" Height	6,234.82	271.61
11 46 13 00-0007	EA	96" Iced Salad Bar Without Light 54" Height	4,377.41	149.23
11 46 13 00-0008	EA	79" Iced Salad Bar Without Light 54" Height	3,462.67	122.59
11 46 13 00-0009	EA	79" Refrigerated Salad Bar Without Light 54" Height	5,259.22	179.86
11 46 13 00-0010	EA	114" Iced Salad Bar 34" Height	5,786.83	159.32
11 46 13 00-0011	EA	Salad Bar Tray Fixed	1,140.83	26.98
11 46 13 00-0012	EA	Salad Bar Tray Hinged	1,214.46	26.98
11 46 16		Service Line Equipment ^(11 46)		
11 46 16 00-0001		Food Warmer Holding Station ^(11 46 16)		
11 46 16 00-0002	EA	Food Warmer Station And Heat Lamp	459.09	8.41
11 46 16 00-0003		Roll And Food Warmers ^(11 46 16)		
11 46 16 00-0004	EA	One Drawer, 16 Roll Capacity Food Warmer	987.91	18.12
11 46 16 00-0005	EA	Three Drawer, 36 Roll Capacity Food Warmer	2,260.78	41.48
11 46 16 00-0006		Hot Cabinets With Top Wells Electric ^(11 46 16)		
11 46 16 00-0007	EA	2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric	5,308.13	100.17
11 46 16 00-0008	EA	3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric	7,583.83	143.55
11 46 16 00-0009		Portable Hot Food Units ^(11 46 16)		
11 46 16 00-0010	EA	44-1/2", 3 Opening Portable Hot Food Unit	1,170.87	22.15
11 46 16 00-0011	EA	72-1/2", 5 Opening Portable Hot Food Unit	1,704.78	32.24
11 46 16 00-0012		Stationary Hot Food Units ^(11 46 16)		
11 46 16 00-0013	EA	44-1/2", 3 Opening Stationary Hot Food Unit	1,053.34	20.40
11 46 16 00-0014	EA	72-1/2", 5 Opening Stationary Hot Food Unit	1,554.26	30.07
11 46 16 00-0015		Serving Counters ^(11 46 16)		
11 46 16 00-0016	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section	85.43	24.58
11 46 16 00-0017	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section	106.57	37.66
11 46 16 00-0018		Drop-In Equipment ^(11 46 16)		
11 46 16 00-0019	EA	Hot Food Well, Rectangular	366.33	78.33
11 46 16 00-0020	EA	Hot Food Well, Circular	333.56	78.33
11 46 16 00-0021	EA	Refrigerated Well, 2 Compartment	945.01	78.33
11 46 16 00-0022	EA	Refrigerated Well, 3 Compartment	1,072.79	87.01
11 46 16 00-0023	EA	Refrigerated Well, 4 Compartment	1,218.44	97.91
11 46 16 00-0024	EA	Frost Cold Plate	1,500.92	87.01
11 46 16 00-0025		Beverage Dispensing ^(11 46 16)		
11 46 16 00-0026	EA	Coffee Urn, Twin 3 Gallon	2,454.50	125.64
11 46 16 00-0027	EA	Coffee Urn, Twin 6 Gallon	3,496.89	175.87
11 46 16 00-0028	EA	Coffee Brewer, 5 Burner	988.40	125.64
11 46 16 00-0029	EA	Hot Chocolate Dispenser	968.62	103.49
11 46 16 00-0030	EA	Iced Tea Brewer	1,435.48	103.49
11 46 16 00-0031	EA	Juice Dispenser (Concentrate)	1,003.06	173.89



Equipment	11	
Foodservice Equipment	11 40	11
Food Dispensing Equipment	11 46	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0032 EA Jet Spray Dispenser	1,453.85	174.07
11 46 16 00-0033 EA Milk Dispenser, Bulk, 2 Flavor	1,240.93	97.91
11 46 16 00-0034 EA Milk Dispenser, Bulk, 3 Flavor	1,707.79	97.91
11 46 16 00-0035 Dish Dispensers (11 46 16)		
11 46 16 00-0036 EA Dish Dispenser, 12", Drop-in	505.92	18.70
11 46 16 00-0037 EA Dish Dispenser, Mobile	1,596.57	21.85
11 46 16 00-0038 EA Cup And Glass Dispenser, Drop-in	850.19	58.15
11 46 16 00-0039 EA Disposable Cup Dispenser, Drop-in	312.86	13.09
11 46 16 00-0040 Tray And Silver Dispensers (11 46 16)		
11 46 16 00-0041 EA Tray And Silver Dispensers Mobile	2,001.74	13.09
11 46 16 00-0042 Condiment Dispensers (11 46 16)		
11 46 16 00-0043 EA Butter Pat Dispenser	109.73	16.40
11 46 16 00-0044 EA Bread Dispenser, Counter Top	324.32	16.40
11 46 16 00-0045 Sandwich Rack Warmer (11 46 16)		
11 46 16 00-0046 EA 18 Compartment, 2 Tier Sandwich Rack Warmer	2,482.77	67.12
11 46 16 00-0047 Mobile Bread Counter (11 46 16)		
11 46 16 00-0048 EA Mobile Bread And Roll Counter	5,700.48	150.90
11 46 16 00-0049 Open Service Stand (11 46 16)		
11 46 16 00-0050 EA 6' Open Service Stand	2,214.13	62.73
11 46 16 00-0051 LF Each Additional Ft Over 6 Ft Add	302.93	8.48
11 46 16 00-0052 Mobile Serving Stand Unit (11 46 16)		
11 46 16 00-0053 EA 36" Mobile Serving Stand Unit	1,932.50	60.00
11 46 16 00-0054 EA 96" Mobile Serving Stand Unit	3,178.62	89.93
11 46 16 00-0055 Reach-In Heated Cabinets (11 46 16)		
11 46 16 00-0056 EA Heated Cabinet, Reach-in, 1 Compartment	3,886.57	100.44
11 46 16 00-0057 EA Heated Cabinet, Reach-in, 2 Compartment	5,609.26	126.35
11 46 16 00-0058 EA Heated Cabinet, 1 Compartment, Pass-Through Roll-In	4,070.85	100.44
11 46 16 00-0059 EA Heated Cabinet, Pass-Through, Roll-In 2 Compartment	5,877.09	126.35
11 46 16 00-0060 Mobile Heated Cabinets (11 46 16)		
11 46 16 00-0061 EA Heated Cabinet, Mobile	4,406.45	32.74
11 46 19 Soda Fountain Equipment (11 46)		
11 46 19 00-0001 Carbonated Beverage Dispensing (11 46 19)		
11 46 19 00-0002 EA Carbonated Beverage Dispenser	2,633.83	244.80
11 46 19 00-0003 EA Carbonated Beverage Dispenser With 90 LB Ice	4,233.75	279.76
11 46 19 00-0004 EA Carbonated Beverage Dispenser With 150 LB Ice	7,846.77	391.65
11 46 19 00-0005 Beverage Chilling Systems (11 46 19)		
11 46 19 00-0006 EA Beverage Chiller, Small	4,044.71	215.86
11 46 19 00-0007 EA Beverage Chiller, Large	7,544.67	323.82
11 46 83 Ice Machines (11 46)		
11 46 83 00-0001 Ice Flakers (11 46 83)		
11 46 83 00-0002 EA Ice Flakers, 300 LB/Day	3,136.10	351.90
11 46 83 00-0003 EA Ice Flakers, 600 LB/Day	5,663.21	563.05
11 46 83 00-0004 EA Ice Flakers, 1,000 LB/Day	7,020.85	774.19
11 46 83 00-0005 EA Ice Flakers, 2,000 LB/Day	8,551.62	844.57
11 46 83 00-0006 Ice Cube Maker (11 46 83)		
11 46 83 00-0007 EA 101 LB/Day, Self Contained Ice Maker With Built-In Bin	1,732.41	105.45
11 46 83 00-0008 EA 201 LB/Day, Self Contained Ice Maker With Built-In Bin	2,056.20	112.97
11 46 83 00-0009 EA 260 LB/Day, Self Contained Ice Maker With Built-In Bin	2,357.92	120.51
11 46 83 00-0010 EA 320 LB/Day, Modular Ice Maker Without Bin	2,078.25	112.97
11 46 83 00-0011 EA 451 LB/Day, Modular Ice Maker Without Bin	2,258.07	120.51
11 46 83 00-0012 EA 600 LB/Day, Modular Ice Maker Without Bin	2,582.85	120.51

11	11 Equipment
	11 40 Foodservice Equipment
	11 46 Food Dispensing Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 83 00-0013	EA		901 LB/Day, Modular Ice Maker Without Bin	3,686.76	128.03
11 46 83 00-0014	EA		1301 LB/Day, Modular Ice Maker Without Bin	4,181.19	128.03
11 46 83 00-0015	EA		1601 LB/Day, Modular Ice Maker Without Bin	5,037.99	135.57
11 46 83 00-0016	EA		1900 LB/Day, Modular Ice Maker Without Bin	5,563.43	135.57
11 46 83 00-0017			Ice Storage Bins <small>(11 46 83)</small>		
11 46 83 00-0018	EA		260 LB Stainless Steel Ice Storage Bin	836.36	78.60
11 46 83 00-0019	EA		360 LB Stainless Steel Ice Storage Bin	915.75	78.60
11 46 83 00-0020	EA		550 LB Stainless Steel Ice Storage Bin	1,140.54	85.14
11 46 83 00-0021	EA		660 LB Stainless Steel Ice Storage Bin	1,228.75	85.14
11 46 83 00-0022	EA		1150 LB Stainless Steel Ice Storage Bin	2,344.41	91.70
11 48			Foodservice Cleaning and Disposal Equipment <small>(11 40)</small>		
11 48 13			Commercial Dishwashers <small>(11 48)</small>		
11 48 13 00-0001			Rack Type Dishwasher <small>(11 48 13)</small>		
11 48 13 00-0002	EA		Dishwasher, 1 Tank And 190 Racks/Hour	7,031.52	140.70
11 48 13 00-0003	EA		Dishwasher, 2 Tanks And 234 Racks/Hour	11,765.95	196.98
11 48 13 00-0004	EA		Dishwasher, 2 Tanks And 265 Racks/Hour	14,149.18	211.05
11 48 13 00-0005	EA		Dishwasher, Automatic - 100 Meals/Hour	11,333.69	105.52
11 48 13 00-0006	EA		Dishwasher, Machine Rack	13,224.34	293.15
11 48 13 00-0007	EA		Dishwasher, Hobart LX30-H	3,517.46	123.11
11 48 13 00-0008			Exhaust Hood Dishwasher <small>(11 48 13)</small>		
11 48 13 00-0009	EA		4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides.....	1,372.10	125.24
11 48 13 00-0010	EA		4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides.....	2,360.72	150.29
11 48 13 00-0011			Dish Tables <small>(11 48 13)</small>		
11 48 13 00-0012	LF		Clean/Soiled Dish Table, Basic.....	165.77	27.01
11 48 13 00-0013	LF		Clean/Soiled Dish Table With Trough	260.32	40.48
11 48 13 00-0014	LF		Clean/Soiled Dish Table, Maximum	315.98	53.95
11 48 13 00-0015			Sprays And Hoses <small>(11 48 13)</small>		
11 48 13 00-0016			Sprays, Fillers <small>(11 48 13 00-0015)</small>		
11 48 13 00-0017	EA		Pre-Rinse Spray.....	307.56	51.38
11 48 13 00-0018	EA		Kettle Fillers	266.61	51.38
11 48 13 00-0019			Hoses <small>(11 48 13 00-0015)</small>		
11 48 13 00-0020	EA		Hose Reel	369.08	61.69
11 48 13 00-0021	EA		Wash-Down Hose	287.17	61.69
11 48 13 00-0022	EA		Hose Reel And Spray System With Accessories (Chicago 535NF).....	1,140.64	
11 48 16			Food Waste Disposers <small>(11 48)</small>		
11 48 16 00-0001			Garbage Disposals <small>(11 48 16)</small>		
			Note: Manual switch.		
11 48 16 00-0002	EA		Garbage Disposal 1.5 HP At 100 GPH	1,952.96	105.52
11 48 16 00-0003	EA		Garbage Disposal 3 HP At 120 GPH	3,023.53	70.35
11 48 16 00-0004	EA		Garbage Disposal 5 HP At 250 GPH	3,618.88	140.70
11 48 16 00-0005	EA		Garbage Disposal 7-1/2 HP	5,014.56	139.85
11 48 16 00-0006			Pulper/Extractors <small>(11 48 16)</small>		
11 48 16 00-0007	EA		5 HP, Pulper/Extractor, Close-Coupled.....	4,402.07	146.53
11 50			Educational And Scientific Equipment <small>(11)</small>		
11 52			Audio-Visual Equipment <small>(11 50)</small>		
11 52 13			Projection Screens <small>(11 52)</small>		
11 52 13 13			Fixed Projection Screens <small>(11 52 13)</small>		
11 52 13 13-0001			Screens <small>(11 52 13 13)</small>		
11 52 13 13-0002			Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B) <small>(11 52 13 13-0001)</small>		
11 52 13 13-0003	EA		40" x 40" Pull Down Projection Screen (Da-Lite B).....	150.84	40.91
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	



Equipment	11
Educational And Scientific Equipment	11 50
Audio-Visual Equipment	11 52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0004 EA 50" x 50" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	181.29 40.00 40.00 120.00	52.61
11 52 13 13-0005 EA 60" x 60" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	235.13 40.00 40.00 120.00	73.07
11 52 13 13-0006 EA 70" x 70" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	274.36 40.00 40.00 120.00	87.68
11 52 13 13-0007 EA 84" x 84" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	422.04 40.00 40.00 120.00	131.52
11 52 13 13-0008 EA 96" x 96" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	491.26 40.00 40.00 120.00	146.13
11 52 13 13-0009 EA 64" x 84" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	346.04 40.00 40.00 120.00	93.52
11 52 13 13-0010 EA 72" x 96" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	402.81 40.00 40.00 120.00	116.90
11 52 13 13-0011 EA 43" x 57" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	208.36 40.00 40.00 120.00	49.68
11 52 13 13-0012 EA 50" x 67" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	289.29 40.00 40.00 120.00	70.14
11 52 13 13-0013 EA 55" x 77" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	316.82 40.00 40.00 120.00	78.91
11 52 13 13-0014 EA 60" x 80" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	338.51 40.00 40.00 120.00	84.75
11 52 13 13-0015 EA 69" x 92" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	393.58 40.00 40.00 120.00	102.29
11 52 13 13-0016 EA 45" x 80" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	315.13 40.00 40.00 120.00	73.07
11 52 13 13-0017 EA 52" x 92" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	358.51 40.00 40.00 120.00	84.75
11 52 13 13-0018 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) <small>(11 52 13 13-0001)</small>		
11 52 13 13-0019 EA 50" x 50" Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	321.29 40.00 40.00 120.00	52.61
11 52 13 13-0020 EA 60" x 60" Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	385.13 40.00 40.00 120.00	73.07
11 52 13 13-0021 EA 70" x 70" Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	457.74 40.00 40.00 120.00	99.36
11 52 13 13-0022 EA 84" x 84" Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	542.04 40.00 40.00 120.00	131.52
11 52 13 13-0023 EA 6' x 8' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	587.88 40.00 40.00 120.00	134.44
11 52 13 13-0024 EA 8' x 8' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	631.26 40.00 40.00 120.00	146.13

11 Equipment**11 50 Educational And Scientific Equipment****11 52 Audio-Visual Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0025	EA		7' x 9' Pull Down Projection Screen (Da-Lite C).....	641.26	146.13
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0026	EA		9' x 9' Pull Down Projection Screen (Da-Lite C).....	688.80	154.90
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0027	EA		8' x 10' Pull Down Projection Screen (Da-Lite C).....	736.33	163.67
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0028	EA		10' x 10' Pull Down Projection Screen (Da-Lite C).....	789.71	175.36
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0029	EA		9' x 12' Pull Down Projection Screen (Da-Lite C).....	869.71	175.36
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0030	EA		12' x 12' Pull Down Projection Screen (Da-Lite C).....	1,026.62	233.81
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0031			Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) (11 52 13 13-0001)		
			Note: With controlled screen return.		
11 52 13 13-0032	EA		60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	585.13	73.07
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0033	EA		70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	667.74	99.36
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0034	EA		84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	752.04	131.52
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0035	EA		6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	787.88	134.44
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0036	EA		8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	841.26	146.13
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0037	EA		7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	851.26	146.13
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0038	EA		9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	898.80	154.90
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0039	EA		8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	920.49	160.74
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0040	EA		10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,029.71	175.36
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0041	EA		9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,119.71	175.36
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0042	EA		12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,296.62	233.81
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0043			Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) (11 52 13 13-0001)		
			Note: Heavy-duty screen for exposed installation.		
11 52 13 13-0044	EA		50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,253.94	65.76
11 52 13 13-0045	EA		60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,281.94	73.07
11 52 13 13-0046	EA		70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,336.62	87.68
11 52 13 13-0047	EA		84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,539.49	131.52
11 52 13 13-0048	EA		6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,577.47	134.44
11 52 13 13-0049	EA		8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,674.52	146.13



Equipment	11
Educational And Scientific Equipment	11 50
Audio-Visual Equipment	11 52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0050 EA 7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,708.01	146.13
11 52 13 13-0051 EA 9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,792.76	156.36
11 52 13 13-0052 EA 8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,897.11	163.67
11 52 13 13-0053 EA 10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,964.69	175.36
11 52 13 13-0054 EA 9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,024.96	175.36
11 52 13 13-0055 EA 12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,246.34	233.81
11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) ^(11 52 13 13-0001)		
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0057 EA 9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	2,049.71	175.36
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0058 EA 12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	2,246.62	233.81
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0059 EA 14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	2,765.07	263.04
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0060 EA 12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	2,923.52	292.26
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0061 EA 16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	3,140.43	350.71
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0062 EA 13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	3,498.88	379.94
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0063 EA 18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	3,827.33	409.17
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0064 EA 15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	4,027.33	409.17
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0065 EA 20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	4,354.24	467.62
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0066 EA 11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	3,998.88	379.94
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0067 EA 16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	4,274.24	467.62
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0068 EA 22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	4,491.14	526.07
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0069 EA 12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	4,257.33	409.17
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0070 EA 18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	5,491.14	526.07
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0071 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) ^(11 52 13 13-0001)		
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0072 EA 50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	1,830.52	65.76
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0073 EA 60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	1,875.13	73.07
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0074 EA 70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	1,924.36	87.68
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0075 EA 84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	2,082.04	131.52
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0076 EA 6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	2,107.88	134.44
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0077 EA 8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	2,191.26	146.13
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0078 EA 7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	2,251.26	146.13
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0079 EA 9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	2,301.72	156.36
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0080 EA 8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	2,366.33	163.67
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0081 EA 10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	2,429.71	175.36
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0082 EA 9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	2,449.71	175.36
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0083 EA 12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	2,666.62	233.81
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0084 EA 10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	2,855.84	248.42
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0085 EA 14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	2,985.07	263.04
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0086 EA 12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	3,263.52	292.26
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0087 EA 16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	3,430.43	350.71
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0088 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) ^(11 52 13 13-0001)		
Note: In-the-ceiling screen with automatically operated door to conceal screen.		

11	Equipment
11 50	Educational And Scientific Equipment
11 52	Audio-Visual Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0089 EA 50" x 50" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,526.52	65.76
11 52 13 13-0090 EA 60" x 60" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,569.74	80.37
11 52 13 13-0091 EA 70" x 70" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,593.36	87.68
11 52 13 13-0092 EA 84" x 84" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,710.04	131.52
11 52 13 13-0093 EA 6' x 8' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	1,724.88	134.44
11 52 13 13-0094 EA 8' x 8' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	1,786.26	146.13
11 52 13 13-0095 EA 7' x 9' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	1,839.26	146.13
11 52 13 13-0096 EA 9' x 9' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	1,930.72	156.36
11 52 13 13-0097 EA 8' x 10' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	1,959.33	163.67
11 52 13 13-0098 EA 10' x 10' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,025.71	175.36
11 52 13 13-0099 EA 9' x 12' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,044.17	204.58
11 52 13 13-0100 EA 12' x 12' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,242.62	233.81
11 52 13 13-0101 EA 10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,769.84	248.42
11 52 13 13-0102 EA 14' x 14' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,894.07	263.04
11 52 13 13-0103 EA 12' x 16' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,137.52	292.26
11 52 13 13-0104 EA 16' x 16' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,296.43	350.71
11 52 13 13-0105 EA 13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,589.88	379.94
11 52 13 13-0106 EA 18' x 18' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,815.33	409.17
11 52 13 13-0107 EA 15' x 20' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,961.33	409.17
11 52 13 13-0108 EA 20' x 20' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,390.24	467.62
11 52 13 13-0109 EA 50" x 67" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,593.36	87.68
11 52 13 13-0110 EA 60" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,680.81	116.90
11 52 13 13-0111 EA 69" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,719.04	131.52
11 52 13 13-0112 EA 87" x 116" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	1,969.33	163.67
11 52 13 13-0113 EA 105" x 140" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,127.17	204.58
11 52 13 13-0114 EA 123" x 164" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,643.07	263.04
11 52 13 13-0115 EA 141" x 188" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,835.98	321.49
11 52 13 13-0116 EA 12' x 24' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,903.78	438.39
11 52 13 13-0117 EA 45" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,685.81	116.90
11 52 13 13-0118 EA 52" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,734.04	131.52
11 52 13 13-0119 EA 54" x 96" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,780.58	140.29
11 52 13 13-0120 EA 58" x 104" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	1,812.95	151.97
11 52 13 13-0121 EA 65" x 116" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	1,921.33	163.67
11 52 13 13-0122 EA 78" x 139" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,089.17	204.58
11 52 13 13-0123 EA 92" x 164" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,616.07	263.04
11 52 13 13-0124 EA 106" x 188" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,034.98	321.49
11 52 13 13-0125 EA 119" x 212" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,676.88	379.94
11 52 13 13-0126 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) <small>(11 52 13 13-0001)</small>		
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0127 EA 50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,466.09	65.76
11 52 13 13-0128 EA 60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,512.85	73.07



Equipment	11
Educational And Scientific Equipment	11 50
Audio-Visual Equipment	11 52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0129 EA 70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,566.19	87.68
11 52 13 13-0130 EA 84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,736.91	131.52
11 52 13 13-0131 EA 6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,769.54	134.44
11 52 13 13-0132 EA 8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,850.51	146.13
11 52 13 13-0133 EA 7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,940.25	146.13
11 52 13 13-0134 EA 9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,018.31	156.36
11 52 13 13-0135 EA 8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,075.78	163.67
11 52 13 13-0136 EA 10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,167.47	175.36
11 52 13 13-0137 EA 9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,259.89	175.36
11 52 13 13-0138 EA 12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,454.48	233.81
11 52 13 13-0139 Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) (11 52 13 13-0001) Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.		
11 52 13 13-0140 EA 60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	4,671.26	146.13
11 52 13 13-0141 EA 69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,009.71	175.36
11 52 13 13-0142 EA 87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,865.07	263.04
11 52 13 13-0143 EA 105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,400.43	350.71
11 52 13 13-0144 EA 120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	8,217.33	409.17
11 52 13 13-0145 EA 52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	4,951.26	146.13
11 52 13 13-0146 EA 58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,419.71	175.36
11 52 13 13-0147 EA 65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,748.17	204.58
11 52 13 13-0148 EA 78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,225.07	263.04
11 52 13 13-0149 Electric Rear Projection Screen (Da-Lite DA-View) (11 52 13 13-0001) Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.		
11 52 13 13-0150 EA 60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	2,342.40	146.13
11 52 13 13-0151 EA 67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	2,941.43	160.74
11 52 13 13-0152 EA 72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	3,369.51	175.36
11 52 13 13-0153 EA 84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,076.80	189.97
11 52 13 13-0154 EA 90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,732.81	6,528.22
11 52 13 13-0155 EA 96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,475.02	233.81
11 52 13 13-0156 EA 100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	9,584.75	263.04
11 52 13 13-0157 EA 120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	12,948.04	292.26
11 52 13 13-0158 EA 125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	14,487.98	321.49
11 52 13 13-0159 EA 135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	19,389.73	350.71
11 52 13 13-0160 Screen Accessories (11 52 13 13-0001)		
11 52 13 13-0161 Manual Pull Down Accessories (11 52 13 13-0160)		
11 52 13 13-0162 EA 6" Mounting Bracket (Pair).....	26.77	4.38
11 52 13 13-0163 EA 14" Wall Mounting Bracket (Pair).....	36.77	4.67
11 52 13 13-0164 EA 14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair).....	42.77	5.26
11 52 13 13-0165 Electric Powered Screen Accessories (11 52 13 13-0160)		
11 52 13 13-0166 EA Single Motor Low Voltage Remote Control System - Infrared.....	253.60	
11 52 13 13-0167 EA Single Motor Low Voltage Remote Control System - Radio Frequency.....	363.60	

11	11 Equipment
	11 50 Educational And Scientific Equipment
	11 52 Audio-Visual Equipment



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 52 16 Projectors (11 52)

11 52 16 26 Video Projectors (11 52 16)

11 52 16 26-0001 Projectors (11 52 16 26)

11 52 16 26-0002	EA	2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector.....	679.04	29.23
11 52 16 26-0003	EA	2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector	787.65	29.23
11 52 16 26-0004	EA	2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector.....	1,043.64	29.23
11 52 16 26-0005	EA	3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	1,648.72	29.23
11 52 16 26-0006	EA	3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	1,920.23	29.23
11 52 16 26-0007	EA	3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector	2,439.97	29.23
11 52 16 26-0008	EA	4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	3,882.85	29.23
11 52 16 26-0009	EA	5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	5,263.67	29.23
11 52 16 26-0010	EA	6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	7,815.85	29.23

11 52 16 26-0011 Projector Mounts (11 52 16 26)

11 52 16 26-0012 Universal Projector Mounts (11 52 16 26-0011)

Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.

11 52 16 26-0013	EA	Flush Ceiling, Universal Projector Mount (Peerless PPF).....	144.70	32.14
11 52 16 26-0014	EA	Wall Arm, Universal Projector Mount (Peerless PWA-14).....	241.01	32.14

11 52 16 26-0015 Projector Mount Components (11 52 16 26-0011)

Note: Complete projector mount system will include ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.

11 52 16 26-0016 Ceiling Attachment Plates For Projector Mounts (11 52 16 26-0015)

11 52 16 26-0017	EA	Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570).....	52.11	14.60
11 52 16 26-0018	EA	Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557).....	71.88	14.60
11 52 16 26-0019	EA	I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559).....	101.13	14.60
11 52 16 26-0020	EA	Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455).....	125.00	14.60

11 52 16 26-0021 Projector Attachment Plates For Projector Mounts (11 52 16 26-0015)

11 52 16 26-0022	EA	Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV).....	187.67	14.60
11 52 16 26-0023	EA	High Security Projector Enclosure For Projector Mounts (Peerless ALB).....	418.08	14.60

11 52 16 26-0024 Threaded Extension Columns For Projector Mounts (11 52 16 26-0015)

11 52 16 26-0025 Fixed Length, Threaded Extension Column For Projector Mounts (11 52 16 26-0024)

Note: Peerless EXT series.

11 52 16 26-0026	EA	6" Fixed Length, Threaded Extension Column For Projector Mounts	31.93	4.38
11 52 16 26-0027	EA	12" Fixed Length, Threaded Extension Column For Projector Mounts	41.68	4.38
11 52 16 26-0028	EA	18" Fixed Length, Threaded Extension Column For Projector Mounts	45.34	4.38
11 52 16 26-0029	EA	24" Fixed Length, Threaded Extension Column For Projector Mounts	47.78	4.38
11 52 16 26-0030	EA	36" Fixed Length, Threaded Extension Column For Projector Mounts	56.78	5.84
11 52 16 26-0031	EA	48" Fixed Length, Threaded Extension Column For Projector Mounts	68.97	5.84
11 52 16 26-0032	EA	60" Fixed Length, Threaded Extension Column For Projector Mounts	88.48	5.84
11 52 16 26-0033	EA	72" Fixed Length, Threaded Extension Column For Projector Mounts	101.89	5.84
11 52 16 26-0034	EA	84" Fixed Length, Threaded Extension Column For Projector Mounts	119.44	7.30
11 52 16 26-0035	EA	96" Fixed Length, Threaded Extension Column For Projector Mounts	136.50	7.30
11 52 16 26-0036	EA	108" Fixed Length, Threaded Extension Column For Projector Mounts	151.62	8.77
11 52 16 26-0037	EA	120" Fixed Length, Threaded Extension Column For Projector Mounts	158.94	8.77

11 52 16 26-0038 Adjustable Length, Threaded Extension Columns For Projector Mounts (11 52 16 26-0024)

Note: Peerless ADJ series. Adjustable at 1" increments.

11 52 16 26-0039	EA	6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts.....	65.80	7.30
11 52 16 26-0040	EA	12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts.....	102.37	7.30
11 52 16 26-0041	EA	18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts.....	104.81	7.30
11 52 16 26-0042	EA	24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts.....	108.46	7.30
11 52 16 26-0043	EA	36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts.....	117.49	8.77
11 52 16 26-0044	EA	48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts.....	123.58	8.77
11 52 16 26-0045	EA	60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts.....	136.99	8.77
11 52 16 26-0046	EA	72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts.....	149.18	8.77
11 52 16 26-0047	EA	84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts.....	165.51	10.23
11 52 16 26-0048	EA	96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts.....	177.70	10.23
11 52 16 26-0049	EA	108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts.....	194.03	11.68
11 52 16 26-0050	EA	120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts.....	202.57	11.68

11 52 19 Players And Recorders (11 52)

11 52 19 00-0001 Audio-Visual Equipment (11 52 19)

Note: Includes installation of AV components may be subject to further verification of site conditions before engineering sign-off. Custom control software programming (to be verified after client consultation). Project design, integration, training, including manuals and documentation. Shipping and handling. AV project manager site visit travel expenses per trip.



Equipment	11	
Educational And Scientific Equipment	11 50	11
Audio-Visual Equipment	11 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 19 00-0002 Audio Equipment <small>(11 52 19 00-0001)</small>		
11 52 19 00-0003 EA TOA Condenser Microphone Preamp with Remote Mute Capability	343.04	
11 52 19 00-0004 EA Passive Stereo Line Combiner, Combines Stereo to Mono	95.98	
11 52 19 00-0005 EA Power Supply 24 Volt, 400 mA for Stereo Line Amplifier	32.67	
11 52 19 00-0006 EA TOA 120 Watt Modular Mixer / Amplifier	1,519.22	
11 52 19 00-0007 EA Auxiliary Stereo Input Module with internal summing and muting capabilities	81.68	
11 52 19 00-0008 EA Rack Mount Kit for Power Amplifier	51.05	
11 52 19 00-0009 EA TOA Equalization Module for Wide Dispersion Speaker	151.10	
11 52 19 00-0010 EA TOA Wide Dispersion Speaker with transformer for 70 volt operation	287.92	
11 52 19 00-0011 AV Microphones <small>(11 52 19 00-0001)</small>		
11 52 19 00-0012 EA Audio-Technica Miniature Cardioid Condenser Gooseneck Microphone	765.73	
11 52 19 00-0013 Control System <small>(11 52 19 00-0001)</small>		
11 52 19 00-0014 EA Digitally Controlled 3-channel Audio Attenuator	1,149.62	
Note: Each channel has controls for volume, tone and mute.		
11 52 19 00-0015 EA Crestron Pro2 Integrated Control System	5,486.71	
Note: Includes 8-IR, 8-digital I/Os, 8-relays, 6-RS-232, 3 CNX expansion slots and 1 DPA Ethernet-based communication CNX slot included.		
11 52 19 00-0016 EA IR Emitter Cable	77.60	
11 52 19 00-0017 EA IR/S Control Cable	153.14	
11 52 19 00-0018 EA Crestron Isys Compact Video Touchpanel, 5" Diagonal Color Active Matrix Desktop Tilt-case Color Touch Control, 64,000 Colors, 320x234 Pixels	2,587.13	
11 52 19 00-0019 Interfaces <small>(11 52 19 00-0001)</small>		
11 52 19 00-0020 EA Extron RGB 109xi Dedicated VGA/S-VGA/XGA2/VESA interface	1,210.87	
11 52 19 00-0021 EA VGA Male/BNC Female Adapter cable	83.72	
11 52 19 00-0022 EA Rack Shelf (1RU), holds 2 1RU High 1/2 Rack Units	255.24	
11 52 19 00-0023 Display Wall Processors <small>(11 52 19 00-0001)</small>		
11 52 19 00-0024 EA Jupiter Fusion 950 High Performance High-availability Display Wall Graphics Server	48,025.84	
Note: Includes 4 high resolution display channels; 6 RGB inputs; 6 RGB output window processors; 16 Composite Video Inputs, 8 - S-Video Inputs (4 Displayable Concurrently); 1 4U rackmount main chassis; Dual (2) 300W hot-swap power supplies; 1 Intel Pentium III CPU @ 1 GHz; 512MB Memory; Single removable 20GB disk drive; 52X CD-ROM drive, 1.44MB floppy drive; 2 10/100 Mb/s RJ-45 Ethernet connectors; Ports: 1 parallel, 2 USB, 1 serial; PS/2 104 keyboard, PS/2 mouse, 1 year limited hardware warranty, 90 days installation assistance via phone and email, Galileo Software, Windows 2000 Professional, Jupiter Multiple Channel Software, ControlPoint Software, X server for Unix Connectivity, 1 Year of software support		
11 52 19 00-0025 Projectors <small>(11 52 19 00-0001)</small>		
11 52 19 00-0026 EA Barco Helios 24/7/365 mission critical performance data Projector, 3 panel LCD, 1,280x1,024, 750 ANSI Lumens, high MTBF, 4,000 hour lamp and 1:27:1 lens for Helios	37,734.91	
Note: Includes corner focus to match screen size.		
11 52 19 00-0027 Rack Equipment <small>(11 52 19 00-0001)</small>		
11 52 19 00-0028 EA Power Conditioning and Rack Accessories	612.58	
11 52 19 00-0029 EA Stand Alone Rack With Rear Door	2,450.34	
11 52 19 00-0030 Switchers <small>(11 52 19 00-0001)</small>		
11 52 19 00-0031 EA Six-Input, Two-Output 100KHz Stereo Audio Switcher, 1/2 rack width (RS-232 control)	1,225.17	
11 52 19 00-0032 AV Source Components <small>(11 52 19 00-0001)</small>		
11 52 19 00-0033 EA JVC Professional VCR 4-Head S-VHS Hi-Fi Serial IR control	816.78	
11 52 19 00-0034 EA Marantz Professional DVD Player With 500 TVL Res. S-Video Output, Dolby Digital, Rack-Mount (RS-232 control)	1,225.17	
11 52 19 00-0035 EA Tuner for AM/FM (IR Control)	639.12	
11 52 19 00-0036 EA Rack Mount for VCR	204.20	
11 52 19 00-0037 EA Rack Mount for Tuner	204.20	
11 52 19 00-0038 Visualizers And Custom Items <small>(11 52 19 00-0001)</small>		
11 52 19 00-0039 EA Canon VC-C4 Visualizer With Rotating Camera Head	6,403.56	
Note: 450+ TV Lines resolution, 8x Zoom lens, built-in switcher with a composite, S-Video, Mic, and sync inputs, Y/C and composite outputs, built-in light base for slides with neg/pos, and RS-232 remote control.		
11 52 19 00-0040 Cables <small>(11 52 19 00-0001)</small>		
11 52 19 00-0041 MLF Low Cap Control (22 AWG pair) And Power (18 AWG pair) in Plenum Cable \$/per 1,000 ft. (2 control And 2 power connectors needed)	2,082.79	
11 52 19 00-0042 MLF Broadcast Audio Cable (22 gauge/4-conductor)	253.21	
11 52 19 00-0043 MLF Broadcast Speaker Cable (22 gauge/2-conductor)	469.64	

11	11 Equipment
	11 50 Educational And Scientific Equipment
	11 52 Audio-Visual Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 19 00-0044 MLF Mini High Resolution RGBHV Plenum Cable.....	6,125.85	
11 52 19 00-0045 MLF Miscellaneous Cables Connectors And Hardware (to be verified after on site visit)	1,353.82	
11 52 19 00-0046 Mixers <small>(11 52 19 00-0001)</small>		
11 52 19 00-0047 EA Audio Mixer 4 Input Auto Mixer.....	1,331.24	
11 52 19 00-0048 AV Wireless Microphone <small>(11 52 19 00-0001)</small>		
11 52 19 00-0049 EA Wireless Microphone, UHF, Multi Channel with Hand Held Microphone, Rack Mount Kit.....	1,391.57	
11 52 19 00-0050 EA Wireless Microphone, UHF, Multi Channel with Lavalier Microphone, Rack Mount Kit.....	1,449.96	
11 52 19 00-0051 Videoconference Equipment <small>(11 52 19 00-0001)</small>		
11 52 19 00-0052 EA Canon Remote Control Color Camera with pan/tilt zoom control via RS-232	2,859.05	
11 52 19 00-0053 EA Canon Remote Control Color Camera with pan/tilt zoom control via RS-232. LAN Output	3,503.26	
11 52 19 00-0054 Command View Display Wall <small>(11 52 19)</small>		
Note: Includes Installation, Freight, and Shipping. STANDARD FEATURES: Patented "Seamless" Screen Retention System; Heavy Wall Aluminum and Sheet Metal Stackable Structure; Single Element Acrylic Screen (Fresnel Lenticular or Diffusion); Hinged Lower Enclosure Panels for Projector Access; Mobile Universal Projector Cart with Micro Adjustment for Image Fine Tuning (Single and Double High); Durable High Pressure External Panel Finish, per Evans' Standard Offerings; PowerTrak Powered Lift Mechanism for Double High, Triple High, and Quad High Screen Matrices where applicable); Horizontal and Vertical Light Baffles Between All Adjacent Screens; Wilsonart Black laminate 1595-60 internal panel finish.		
11 52 19 00-0055 4/3 Ratio Projection Screen <small>(11 52 19 00-0054)</small>		
Note: Command view fresnel lenticular screens.		
11 52 19 00-0056 EA 110" 4/3 Ratio Fresnel Lenticular Projection Screen (88"W x 66"H)	11,391.37	
11 52 19 00-0057 Mirror Assemblies <small>(11 52 19 00-0054)</small>		
11 52 19 00-0058 EA 90" to 124" 1st Surface Mirror Assembly	3,342.90	
11 52 19 00-0059 Free Standing System <small>(11 52 19 00-0054)</small>		
Note: Includes projector rack, screen rack, upper, lower, top and rear enclosure panels. Command view single high, free standing modules.		
11 52 19 00-0060 EA 110" Single High Free Standing Module.....	9,529.25	
11 52 19 00-0061 EA Shared Posts Credit For Single High Free Standing Module.....	-1,083.43	
11 52 19 00-0062 Equipment Support Solutions <small>(11 52 19 00-0054)</small>		
Note: Command view projector support solutions.		
11 52 19 00-0063 EA Single Level Mobile Universal Projector Cart (Folded Optic Applications Only) - One Cart Per Projector	1,150.47	
11 52 19 00-0064 Contractor Furnished Equipment <small>(11 52 19)</small>		
11 52 19 00-0065 EA Cisco Supervisor III Module, pn WS-X5530-E3A.....	13,542.30	
11 52 19 00-0066 EA Cisco Uplink Module, pn WS-U5538-FEFX-MMF	4,664.57	
11 52 19 00-0067 EA Cisco Switch - 36 Ports 10/100 TX, pn WS-X5239-RJ21-RF.....	6,921.62	
11 60 Entertainment and Recreation Equipment <small>(11)</small>		
11 68 Play Field Equipment And Structures <small>(11 60)</small>		
11 68 23 Exterior Court Athletic Equipment <small>(11 68)</small>		
11 68 23 13 Exterior Basketball Equipment <small>(11 68 23)</small>		
11 68 23 13-0001 Basketball Components <small>(11 68 23 13)</small>		
11 68 23 13-0002 EA Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120)	21.53	5.27
11 68 23 13-0003 EA Chain Basketball Net (Porter Athletic 00161-000).....	36.88	5.27
11 68 23 13-0004 EA Heavy Duty Goal Ring (Porter Athletic 00235-000).....	92.98	26.37
11 68 23 13-0005 EA Goal Ring For Steel Net (Porter Athletic 00251-H00)	180.74	11.87
11 68 23 13-0006 EA 42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000)	781.41	22.42
Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0007 EA 42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300)	834.10	22.42
Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0008 EA 54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300)	597.00	19.78
Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0009 EA 54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000)	449.47	19.78
Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0010 Basketball Systems <small>(11 68 23 13)</small>		
See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
11 68 23 13-0011 EA 4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System (Sportsplay 541-616).....	1,254.79	141.83



Equipment	11	
Entertainment and Recreation Equipment	11 60	11
Play Field Equipment And Structures	11 68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 23 13-0012	EA		5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00176-230)	2,401.91	156.02
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0013	EA		4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00164-230)	1,699.58	141.83
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0014	EA		5-9/16" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00166-230)	2,113.18	156.02
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0015	EA		Back To Back 4-1/2" Galvanized Steel Pole With 4' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 00184-230)	2,692.33	208.57
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-498.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	700.00	
11 68 23 13-0016	EA		Back To Back 5-9/16" Galvanized Steel Pole With 6' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 00186-230)	3,530.80	229.44
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-498.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	700.00	
11 68 23 33 Tennis Equipment (11 68 23)					
11 68 23 33-0001 Tennis Court Net Posts (11 68 23 33)					
11 68 23 33-0002	PR		Round, Powder Coated Steel, Tennis Court Net Posts With External Winder	627.80	89.64
11 68 23 33-0003	PR		Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	782.71	89.64
11 68 23 33-0004	PR		Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	808.53	89.64
11 68 23 33-0005	PR		Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder	853.18	89.64
11 68 23 33-0006	PR		Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder	1,012.16	89.64
11 68 23 33-0007	PR		Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts	155.80	
11 68 23 33-0008	PR		Galvanized Steel Ground Sleeves For Tennis Court Net Posts	175.10	
11 68 23 33-0009 Tennis Court Nets (11 68 23 33)					
11 68 23 33-0010	EA		42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	328.65	88.58
11 68 23 33-0011	EA		42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	359.46	88.58
11 68 23 33-0012	EA		42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net	768.10	136.30
11 68 23 33-0013	EA		Galvanized Steel Anchor For Tennis Court Net Center Strap	43.03	
11 68 33 Athletic Field Equipment (11 68)					
11 68 33 13 Football Field Equipment (11 68 33)					
11 68 33 13-0001 Football Goal Posts (11 68 33 13)					
Note: Includes augering for post(s), set in concrete and backfill.					
11 68 33 13-0002	PR		Double Steel Football Goal Posts, "H Shape"	2,726.47	237.31
11 68 33 13-0003	PR		Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights	3,816.93	324.17
11 68 33 13-0004	PR		Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights	4,558.65	389.00
11 68 33 23 Soccer And Field Hockey Equipment (11 68 33)					
11 68 33 23-0001 Soccer Goal Posts (11 68 33 23)					
Note: Includes augering for post(s), set in concrete and backfill.					
11 68 33 23-0002	PR		Regulation Soccer Goal Posts	2,543.27	158.18
11 68 33 23-0003	PR		Combination Football/Soccer Goal Post	3,063.00	237.31
11 68 33 33 Baseball Field Equipment (11 68 33)					
11 68 33 33-0001 Bases (11 68 33 33)					
11 68 33 33-0002	SET		Bases For Baseball Or Softball	300.62	
11 80 Facility Maintenance and Operation Equipment (11)					
11 81 Maintenance Equipment (11 80)					
11 81 29 Facility Fall Protection (11 81)					
11 81 29 00-0001 Safety And Tie-Back Anchors (11 81 29)					
Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0043 for engineering testing and inspection.					
11 81 29 00-0002 Roof Mounted, Safety And Tie-Back Anchors (11 81 29 00-0001)					
Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.					
11 81 29 00-0003	EA		Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor)	365.86	43.84
			Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
			<i>For Stainless Steel Pad Eye, Add</i>	40.00	
			<i>For Foam Insulation Filled HSS Tube, Add</i>	10.00	

11	11 Equipment
	11 80 Facility Maintenance and Operation Equipment
	11 81 Maintenance Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 81 29 00-0004 EA Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	308.67	43.84
Note: Includes drilling in concrete and adhesive anchor systems.		
For Stainless Steel Pad Eye, Add	40.00	
For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0005 EA Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	264.90	50.17
For Stainless Steel Pad Eye, Add	40.00	
For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0006 Wall Mounted, Safety And Tie-Back Anchor <small>(11 81 29 00-0001)</small>		
Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0007 EA Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	278.58	43.84
Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
For Stainless Steel Pad Eye, Add	40.00	
11 81 29 00-0008 EA Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor)	250.65	43.84
Note: Includes drilling in concrete and adhesive anchor systems.		
For Stainless Steel Pad Eye, Add	40.00	
11 81 29 00-0009 EA Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor)	234.42	50.17
For Stainless Steel Pad Eye, Add	40.00	
11 81 29 00-0010 Safety And Tie-Back Anchor Accessories <small>(11 81 29 00-0001)</small>		
11 81 29 00-0011 EA Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor)	221.64	
Note: One cut sheet required per order.		
11 82 Facility Solid Waste Handling Equipment <small>(11 80)</small>		
11 82 26 Facility Waste Compactors <small>(11 82)</small>		
11 82 26 00-0001 Trash Compactors <small>(11 82 26)</small>		
11 82 26 00-0002 EA Trash Compactor, Small	2,533.21	182.15
11 82 26 00-0003 EA Trash Compactor, Large	3,127.02	206.12
11 90 Other Equipment <small>(11)</small>		
11 97 Security Equipment <small>(11 90)</small>		
11 97 26 Detention Gun Lockers <small>(11 97)</small>		
11 97 26 00-0001 Hinged Door Gun Lock <small>(11 97 26)</small>		
Note: Two keys per locker with one master.		
11 97 26 00-0002 EA 8 Compartment Pistol Locker, 20-1/8" High x 15-1/8" Wide x 17-1/4" Deep, Double Welded 20 Gauge Steel Body, 10 Gauge Steel Door	965.94	31.31
11 97 26 00-0003 Hinged-Door Gun Locker <small>(11 97 26)</small>		
Note: Includes master key for each set of 4 compartments, two keys per compartment.		
11 97 26 00-0004 EA 4 Compartment Pistol Locker, 11-1/4" High x 16-1/4" Wide x 16-3/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	386.19	21.92
11 97 26 00-0005 EA 8 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	861.74	31.31
11 97 26 00-0006 EA 16 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	1,559.22	37.57
11 97 26 00-0007 EA 24 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	2,244.18	37.57
11 98 Detention Equipment <small>(11 90)</small>		
11 98 12 Detention Doors and Frames <small>(11 98)</small>		
11 98 12 00-0001 Metal Doors <small>(11 98 12)</small>		
Note: Flush type reinforced with stiffeners.		
11 98 12 00-0002 10 Gauge 1-3/4" Door <small>(11 98 12 00-0001)</small>		
11 98 12 00-0003 EA 2' x 6'-8" x 1-3/4" 10 Gauge Metal Door	439.00	32.45
11 98 12 00-0004 EA 2'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Door	444.35	32.45
11 98 12 00-0005 EA 2'-6" x 6'-8" x 1-3/4" 10 Gauge Metal Door	449.69	32.45
11 98 12 00-0006 EA 2'-8" x 6'-8" x 1-3/4" 10 Gauge Metal Door	455.04	32.45
11 98 12 00-0007 EA 3' x 6'-8" x 1-3/4" 10 Gauge Metal Door	460.38	32.45
11 98 12 00-0008 EA 3'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Door	487.10	32.45
11 98 12 00-0009 EA Pair 3' x 6'-8" x 1-3/4" 10 Gauge Metal Door	907.76	58.45
11 98 12 00-0010 EA 2' x 7' x 1-3/4" 10 Gauge Metal Door	472.24	32.45
11 98 12 00-0011 EA 2'-4" x 7' x 1-3/4" 10 Gauge Metal Door	477.80	32.45
11 98 12 00-0012 EA 2'-6" x 7' x 1-3/4" 10 Gauge Metal Door	481.29	32.45
11 98 12 00-0013 EA 2'-8" x 7' x 1-3/4" 10 Gauge Metal Door	529.95	32.45
11 98 12 00-0014 EA 3' x 7' x 1-3/4" 10 Gauge Metal Door	647.41	32.45
11 98 12 00-0015 EA 3'-4" x 7' x 1-3/4" 10 Gauge Metal Door	707.83	32.45
11 98 12 00-0016 EA Pair 3' x 7' x 1-3/4" 10 Gauge Metal Door	1,023.79	58.45
11 98 12 00-0017 EA 2' x 7'-2" x 1-3/4" 10 Gauge Metal Door	457.71	32.45
11 98 12 00-0018 EA 2'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Door	463.05	32.45



Equipment	11	11
Other Equipment	11 90	
Detention Equipment	11 98	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 98 12 00-0019 EA 2'-6" x 7'-2" x 1-3/4" 10 Gauge Metal Door	468.40	32.45
11 98 12 00-0020 EA 2'-8" x 7'-2" x 1-3/4" 10 Gauge Metal Door	473.74	32.45
11 98 12 00-0021 EA 3' x 7'-2" x 1-3/4" 10 Gauge Metal Door.....	479.08	32.45
11 98 12 00-0022 EA 3'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Door	505.80	32.45
11 98 12 00-0023 EA Pair 3' x 7'-2" x 1-3/4" 10 Gauge Metal Door	945.17	58.45
11 98 12 00-0024 Pneumatic Door Operators ^(11 98 12)		
11 98 12 00-0025 EA Pneumatic Cell Entry Door Operator With Hardware Set	3,327.10	
11 98 12 00-0026 EA Pneumatic Special Housing Cell Door Operator With Hardware Set.....	3,699.48	
11 98 12 00-0027 EA Pneumatic MS Cell Door Operator With Hardware Set	4,825.51	
11 98 12 00-0028 EA Pneumatic Sally Port Door Operator With Hardware Set.....	5,646.45	
11 98 12 00-0029 EA Pneumatic Corridor Door Operator With Hardware Set	7,187.04	
11 98 12 00-0030 EA Emergency Release Cabinet With Seven Gallon Storage Tank, Check Valve, Pressure Gauge, Three Way Valves And Four Release Valves.....	3,490.35	

END OF SECTION 11

11	11	Equipment
	11 90	Other Equipment
	11 98	Detention Equipment



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 Furnishings

12 01 Operation And Maintenance Of Furnishings ⁽¹²⁾

12 01 60 Operation And Maintenance Of Multiple Seating ^(12 01)

12 01 60 00-0001		Repair Fixed Auditorium Seating ^(12 01 60)		
12 01 60 00-0002	EA	Replace Seat Part.....	98.40	
12 01 60 00-0003	EA	Replace Center Armrest Part.....	45.58	
12 01 60 00-0004	EA	Replace End Armrest Part.....	63.75	
12 01 60 00-0005	EA	Replace Kick Plate Part.....	73.82	
12 01 60 00-0006	EA	Replace Back Part.....	119.64	
12 01 60 00-0007	EA	Replace Standard Part.....	90.24	
12 01 60 00-0008	EA	Replace Back Bracket Part.....	35.76	
12 01 60 00-0009	EA	Replace Seat Bracket Part.....	38.00	
12 01 60 00-0010	EA	Secure Seat To Floor.....	36.19	
12 01 60 00-0011	EA	Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor	38.88	
		Note: Includes drilling and fasteners.		
		For Epoxy Anchoring, Add	12.82	
12 01 60 00-0012	EA	Reupholster Auditorium Seat And Back.....	110.62	
		Note: Includes removal of existing upholstery.		

12 20 Window Treatments ⁽¹²⁾

12 21 Window Blinds ^(12 20)

12 21 13 Horizontal Louver Blinds ^(12 21)

Note: Includes headrail, brackets, cords and all hardware.

12 21 13 13 Metal Horizontal Louver Blinds ^(12 21 13)

12 21 13 13-0001 Aluminum Horizontal Louver Blinds ^(12 21 13 13)

12 21 13 13-0002	SF	1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	8.22	0.53
12 21 13 13-0003	SF	1" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	6.67	0.53
12 21 13 13-0004	SF	1" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	7.27	0.53
12 21 13 13-0005	SF	2" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	8.46	0.53

12 21 13 33 Plastic Horizontal Louver Blinds ^(12 21 13)

12 21 13 33-0001 Vinyl Horizontal Louver Blinds ^(12 21 13 33)

12 21 13 33-0002	SF	1" Slats, Vinyl Horizontal Louver Blinds.....	6.91	0.53
12 21 13 33-0003	SF	2" Slats, Vinyl Horizontal Louver Blinds.....	8.04	0.53

12 21 16 Vertical Louver Blinds ^(12 21)

Note: Includes headrail, brackets, cords and all hardware.

12 21 16 13 Metal Vertical Louver Blinds ^(12 21 16)

12 21 16 13-0001 Aluminum Vertical Louver Blinds ^(12 21 16 13)

12 21 16 13-0002	SF	3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds.....	9.25	1.12
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12 21 16 33 Plastic Vertical Louver Blinds ^(12 21 16)

12 21 16 33-0001 Vinyl Vertical Louver Blinds ^(12 21 16 33)

12 21 16 33-0002	SF	2" Slats, Vinyl Vertical Louver Blinds.....	5.72	1.12
12 21 16 33-0003	SF	3-1/2" Slats, Vinyl Vertical Louver Blinds.....	8.29	1.12

12 22 Curtains And Drapes ^(12 20)

12 22 13 Draperies ^(12 22)

12 22 13 00-0001 Lined Draperies ^(12 22 13)

Note: Width dimensions are the panel width at top excluding returns and overlaps.

12 22 13 00-0002 Up To 48" Wide Lined Draperies ^(12 22 13 00-0001)

12 22 13 00-0003	EA	Up To 39" Long, Up To 48" Wide Lined Draperies	138.53	7.31
12 22 13 00-0004	EA	>39" To 63" Long, Up To 48" Wide Lined Draperies.....	144.10	7.31
12 22 13 00-0005	EA	>63" To 72" Long, Up To 48" Wide Lined Draperies.....	153.15	7.31
12 22 13 00-0006	EA	>72" To 81" Long, Up To 48" Wide Lined Draperies.....	156.63	7.31
12 22 13 00-0007	EA	>81" To 90" Long, Up To 48" Wide Lined Draperies.....	164.98	7.31
12 22 13 00-0008	EA	>90" To 99" Long, Up To 48" Wide Lined Draperies.....	176.12	7.31
12 22 13 00-0009	EA	>99" To 108" Long, Up To 48" Wide Lined Draperies.....	183.08	7.31
12 22 13 00-0010	EA	>108" To 120" Long, Up To 48" Wide Lined Draperies.....	192.83	7.31
12 22 13 00-0011	EA	>120" To 130" Long, Up To 48" Wide Lined Draperies.....	208.14	7.31

12	Furnishings
12 20	Window Treatments
12 22	Curtains And Drapes



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 22 13 00-0012	>48" To 72" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0013	EA Up To 39" Long, >48" To 72" Wide Lined Draperies.....	200.87	9.94
12 22 13 00-0014	EA >39" To 63" Long, >48" To 72" Wide Lined Draperies.....	213.40	9.94
12 22 13 00-0015	EA >63" To 72" Long, >48" To 72" Wide Lined Draperies.....	223.15	9.94
12 22 13 00-0016	EA >72" To 81" Long, >48" To 72" Wide Lined Draperies.....	231.50	9.94
12 22 13 00-0017	EA >81" To 90" Long, >48" To 72" Wide Lined Draperies.....	251.00	9.94
12 22 13 00-0018	EA >90" To 99" Long, >48" To 72" Wide Lined Draperies.....	260.74	9.94
12 22 13 00-0019	EA >99" To 108" Long, >48" To 72" Wide Lined Draperies.....	269.10	9.94
12 22 13 00-0020	EA >108" To 120" Long, >48" To 72" Wide Lined Draperies.....	287.20	9.94
12 22 13 00-0021	EA >120" To 130" Long, >48" To 72" Wide Lined Draperies.....	306.69	9.94
12 22 13 00-0022	>72" To 96" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0023	EA Up To 39" Long, >72" To 96" Wide Lined Draperies.....	266.01	12.56
12 22 13 00-0024	EA >39" To 63" Long, >72" To 96" Wide Lined Draperies.....	284.11	12.56
12 22 13 00-0025	EA >63" To 72" Long, >72" To 96" Wide Lined Draperies.....	292.47	12.56
12 22 13 00-0026	EA >72" To 81" Long, >72" To 96" Wide Lined Draperies.....	311.96	12.56
12 22 13 00-0027	EA >81" To 90" Long, >72" To 96" Wide Lined Draperies.....	330.06	12.56
12 22 13 00-0028	EA >90" To 99" Long, >72" To 96" Wide Lined Draperies.....	348.16	12.56
12 22 13 00-0029	EA >99" To 108" Long, >72" To 96" Wide Lined Draperies.....	357.91	12.56
12 22 13 00-0030	EA >108" To 120" Long, >72" To 96" Wide Lined Draperies.....	377.40	12.56
12 22 13 00-0031	EA >120" To 130" Long, >72" To 96" Wide Lined Draperies.....	403.85	12.56
12 22 13 00-0032	>96" To 120" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0033	EA Up To 39" Long, >96" To 120" Wide Lined Draperies.....	335.32	15.20
12 22 13 00-0034	EA >39" To 63" Long, >96" To 120" Wide Lined Draperies.....	353.42	15.20
12 22 13 00-0035	EA >63" To 72" Long, >96" To 120" Wide Lined Draperies.....	363.17	15.20
12 22 13 00-0036	EA >72" To 81" Long, >96" To 120" Wide Lined Draperies.....	391.01	15.20
12 22 13 00-0037	EA >81" To 90" Long, >96" To 120" Wide Lined Draperies.....	409.11	15.20
12 22 13 00-0038	EA >90" To 99" Long, >96" To 120" Wide Lined Draperies.....	428.61	15.20
12 22 13 00-0039	EA >99" To 108" Long, >96" To 120" Wide Lined Draperies.....	390.74	15.20
12 22 13 00-0040	EA >108" To 120" Long, >96" To 120" Wide Lined Draperies.....	475.95	15.20
12 22 13 00-0041	EA >120" To 130" Long, >96" To 120" Wide Lined Draperies.....	489.87	15.20
12 22 13 00-0042	>120" To 144" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0043	EA Up To 39" Long, >120" To 144" Wide Lined Draperies.....	396.26	17.83
12 22 13 00-0044	EA >39" To 63" Long, >120" To 144" Wide Lined Draperies.....	422.72	17.83
12 22 13 00-0045	EA >63" To 72" Long, >120" To 144" Wide Lined Draperies.....	432.46	17.83
12 22 13 00-0046	EA >72" To 81" Long, >120" To 144" Wide Lined Draperies.....	460.31	17.83
12 22 13 00-0047	EA >81" To 90" Long, >120" To 144" Wide Lined Draperies.....	488.16	17.83
12 22 13 00-0048	EA >90" To 99" Long, >120" To 144" Wide Lined Draperies.....	516.00	17.83
12 22 13 00-0049	EA >99" To 108" Long, >120" To 144" Wide Lined Draperies.....	543.85	17.83
12 22 13 00-0050	EA >108" To 120" Long, >120" To 144" Wide Lined Draperies.....	571.70	17.83
12 22 13 00-0051	EA >120" To 130" Long, >120" To 144" Wide Lined Draperies.....	606.51	17.83
12 22 13 00-0052	>144" To 168" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0053	EA Up To 39" Long, >144" To 168" Wide Lined Draperies.....	465.57	20.46
12 22 13 00-0054	EA >39" To 63" Long, >144" To 168" Wide Lined Draperies.....	493.42	20.46
12 22 13 00-0055	EA >63" To 72" Long, >144" To 168" Wide Lined Draperies.....	514.30	20.46
12 22 13 00-0056	EA >72" To 81" Long, >144" To 168" Wide Lined Draperies.....	542.15	20.46
12 22 13 00-0057	EA >81" To 90" Long, >144" To 168" Wide Lined Draperies.....	570.00	20.46
12 22 13 00-0058	EA >90" To 99" Long, >144" To 168" Wide Lined Draperies.....	604.80	20.46
12 22 13 00-0059	EA >99" To 108" Long, >144" To 168" Wide Lined Draperies.....	632.65	20.46
12 22 13 00-0060	EA >108" To 120" Long, >144" To 168" Wide Lined Draperies.....	660.50	20.46
12 22 13 00-0061	EA >120" To 130" Long, >144" To 168" Wide Lined Draperies.....	709.23	20.46
12 22 13 00-0062	>168" To 192" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0063	EA Up To 39" Long, >168" To 192" Wide Lined Draperies.....	526.53	23.09
12 22 13 00-0064	EA >39" To 63" Long, >168" To 192" Wide Lined Draperies.....	561.34	23.09
12 22 13 00-0065	EA >63" To 72" Long, >168" To 192" Wide Lined Draperies.....	582.23	23.09
12 22 13 00-0066	EA >72" To 81" Long, >168" To 192" Wide Lined Draperies.....	617.04	23.09
12 22 13 00-0067	EA >81" To 90" Long, >168" To 192" Wide Lined Draperies.....	644.88	23.09
12 22 13 00-0068	EA >90" To 99" Long, >168" To 192" Wide Lined Draperies.....	679.69	23.09
12 22 13 00-0069	EA >99" To 108" Long, >168" To 192" Wide Lined Draperies.....	735.39	23.09
12 22 13 00-0070	EA >108" To 120" Long, >168" To 192" Wide Lined Draperies.....	756.27	23.09
12 22 13 00-0071	EA >120" To 130" Long, >168" To 192" Wide Lined Draperies.....	805.00	23.09
12 22 13 00-0072	>192" To 216" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0073	EA Up To 39" Long, >192" To 216" Wide Lined Draperies.....	594.45	25.71
12 22 13 00-0074	EA >39" To 63" Long, >192" To 216" Wide Lined Draperies.....	622.30	25.71
12 22 13 00-0075	EA >63" To 72" Long, >192" To 216" Wide Lined Draperies.....	650.14	25.71
12 22 13 00-0076	EA >72" To 81" Long, >192" To 216" Wide Lined Draperies.....	691.91	25.71
12 22 13 00-0077	EA >81" To 90" Long, >192" To 216" Wide Lined Draperies.....	733.68	25.71
12 22 13 00-0078	EA >90" To 99" Long, >192" To 216" Wide Lined Draperies.....	775.45	25.71



Furnishings	12	12
Window Treatments	12 20	
Curtains And Drapes	12 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0079 EA >99" To 108" Long, >192" To 216" Wide Lined Draperies.....	810.26	25.71
12 22 13 00-0080 EA >108" To 120" Long, >192" To 216" Wide Lined Draperies.....	845.07	25.71
12 22 13 00-0081 EA >120" To 130" Long, >192" To 216" Wide Lined Draperies.....	907.72	25.71
12 22 13 00-0082 >216" To 240" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0083 EA Up To 39" Long, >216" To 240" Wide Lined Draperies.....	655.40	28.35
12 22 13 00-0084 EA >39" To 63" Long, >216" To 240" Wide Lined Draperies.....	704.14	28.35
12 22 13 00-0085 EA >63" To 72" Long, >216" To 240" Wide Lined Draperies.....	725.02	28.35
12 22 13 00-0086 EA >72" To 81" Long, >216" To 240" Wide Lined Draperies.....	766.79	28.35
12 22 13 00-0087 EA >81" To 90" Long, >216" To 240" Wide Lined Draperies.....	815.52	28.35
12 22 13 00-0088 EA >90" To 99" Long, >216" To 240" Wide Lined Draperies.....	857.29	28.35
12 22 13 00-0089 EA >99" To 108" Long, >216" To 240" Wide Lined Draperies.....	899.06	28.35
12 22 13 00-0090 EA >108" To 120" Long, >216" To 240" Wide Lined Draperies.....	940.83	28.35
12 22 13 00-0091 EA >120" To 130" Long, >216" To 240" Wide Lined Draperies.....	1,010.45	28.35
12 22 16 Drapery Track And Accessories (12 22)		
12 22 16 00-0001 Metal Wall Or Ceiling Mount Drapery Tracks (12 22 16)		
12 22 16 00-0002 Basic Traverse Rod (12 22 16 00-0001)		
12 22 16 00-0003 EA Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track.....	63.63	25.02
12 22 16 00-0004 EA Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track.....	70.80	25.02
12 22 16 00-0005 EA Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	82.49	27.80
12 22 16 00-0006 EA Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track.....	104.88	27.80
12 22 16 00-0007 EA Traverse Rod, 165" To 312" Extension Metal Wall Or Ceiling Mounted Track.....	110.95	30.58
12 22 16 00-0008 Traverse Rod With Stationary Curtain Rod (12 22 16 00-0001)		
12 22 16 00-0009 EA Tray And Curtain Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track.....	70.50	25.02
12 22 16 00-0010 EA Tray And Curtain Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track.....	75.14	25.02
12 22 16 00-0011 EA Tray And Curtain Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	93.39	27.80
12 22 16 00-0012 EA Tray And Curtain Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track.....	106.62	30.58
12 22 16 00-0013 Double Traverse Rod (12 22 16 00-0001)		
12 22 16 00-0014 EA Double Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track.....	82.31	25.02
12 22 16 00-0015 EA Double Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track.....	96.35	25.02
12 22 16 00-0016 EA Double Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	117.96	27.80
12 22 16 00-0017 EA Double Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track.....	128.57	30.58
12 22 16 00-0018 Curtain Rods (12 22 16 00-0001)		
12 22 16 00-0019 LF Standard Metal Curtain Rod, White.....	4.25	1.05
12 22 16 00-0020 Relocate Drapery And Rod (12 22 16 00-0001)		
12 22 16 00-0021 LF Relocate Any Type Of Drapery And Any Type Rod.....	16.68	
Note: Includes storage and cleaning.		
12 24 Window Shades (12 20)		
12 24 13 Roller Window Shades (12 24)		
12 24 13 00-0001 Roller Window Shades (12 24 13)		
12 24 13 00-0002 Vinyl Coated Fiberglass, Roller Window Shades (12 24 13 00-0001)		
Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0003 SF 0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades.....	10.62	0.35
12 24 13 00-0004 SF 1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades.....	10.62	0.35
12 24 13 00-0005 Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades (12 24 13 00-0001)		
Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0006 SF 0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades.....	13.66	0.35
12 24 13 00-0007 Vinyl Coated Polyester, Roller Window Shades (12 24 13 00-0001)		
Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0008 SF 1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades.....	10.62	0.35
12 30 Casework (12)		
12 31 Manufactured Metal Casework (12 30)		
12 31 16 Manufactured Metal Sandwich Panel Casework (12 31)		

12	Furnishings
12 30	Casework
12 31	Manufactured Metal Casework



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0001			Stainless Steel Cabinets <small>(12 31 16)</small>		
12 31 16 00-0002			Stainless Steel Base Cabinets <small>(12 31 16 00-0001)</small>		
12 31 16 00-0003			18" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0004	EA		18" Stainless Steel Base Cabinet, No Doors Or Drawers	1,394.90	135.70
			<i>For >5 To 9, Deduct</i>	-58.98	
			<i>For >9, Deduct</i>	-117.96	
12 31 16 00-0005	EA		18" Stainless Steel Base Cabinet, With 4 Drawers	2,349.10	135.70
			<i>For >5 To 9, Deduct</i>	-109.08	
			<i>For >9, Deduct</i>	-218.15	
12 31 16 00-0006	EA		18" Stainless Steel Base Cabinet, With 3 Drawers	2,169.05	135.70
			<i>For >5 To 9, Deduct</i>	-99.62	
			<i>For >9, Deduct</i>	-199.24	
12 31 16 00-0007	EA		18" Stainless Steel Base Cabinet, With 2 Drawers	1,989.00	135.70
			<i>For >5 To 9, Deduct</i>	-90.17	
			<i>For >9, Deduct</i>	-180.34	
12 31 16 00-0008	EA		18" Stainless Steel Base Cabinet, With Doors And Drawers	1,927.90	135.70
			<i>For >5 To 9, Deduct</i>	-86.96	
			<i>For >9, Deduct</i>	-173.92	
12 31 16 00-0009			24" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0010	EA		24" Stainless Steel Base Cabinet, With Doors And Locks	2,064.75	146.66
			<i>For >5 To 9, Deduct</i>	-92.99	
			<i>For >9, Deduct</i>	-185.98	
12 31 16 00-0011	EA		24" Stainless Steel Base Cabinet, With Door, No Locks	1,845.05	146.66
			<i>For >5 To 9, Deduct</i>	-81.45	
			<i>For >9, Deduct</i>	-162.91	
12 31 16 00-0012	EA		24" Stainless Steel Base Cabinet, With Two Doors, No Locks	1,893.15	146.66
			<i>For >5 To 9, Deduct</i>	-83.98	
			<i>For >9, Deduct</i>	-167.96	
12 31 16 00-0013	EA		24" Stainless Steel Base Cabinet, No Doors, 2 Drawers	2,116.75	146.66
			<i>For >5 To 9, Deduct</i>	-95.72	
			<i>For >9, Deduct</i>	-191.44	
12 31 16 00-0014	EA		24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	2,794.70	146.66
			<i>For >5 To 9, Deduct</i>	-131.31	
			<i>For >9, Deduct</i>	-262.62	
12 31 16 00-0015	EA		24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks	3,085.25	146.66
			<i>For >5 To 9, Deduct</i>	-146.56	
			<i>For >9, Deduct</i>	-293.13	
12 31 16 00-0016			30" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0017	EA		30" Stainless Steel Base Cabinet, No Doors, No Drawers	1,792.44	154.55
			<i>For >5 To 9, Deduct</i>	-77.88	
			<i>For >9, Deduct</i>	-155.76	
12 31 16 00-0018	EA		30" Stainless Steel Base Cabinet, With 4 Full Size Drawers	2,673.84	154.55
			<i>For >5 To 9, Deduct</i>	-124.16	
			<i>For >9, Deduct</i>	-248.31	
12 31 16 00-0019	EA		30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks	3,484.39	154.55
			<i>For >5 To 9, Deduct</i>	-166.71	
			<i>For >9, Deduct</i>	-333.42	
12 31 16 00-0020	EA		30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	3,193.84	154.55
			<i>For >5 To 9, Deduct</i>	-151.46	
			<i>For >9, Deduct</i>	-302.91	
12 31 16 00-0021	EA		30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer	3,013.79	154.55
			<i>For >5 To 9, Deduct</i>	-142.00	
			<i>For >9, Deduct</i>	-284.01	
12 31 16 00-0022	EA		30" Stainless Steel Base Cabinet, With Doors, No Locks	2,283.19	154.55
			<i>For >5 To 9, Deduct</i>	-103.65	
			<i>For >9, Deduct</i>	-207.29	
12 31 16 00-0023	EA		30" Stainless Steel Base Cabinet, With Doors And Locks	2,261.09	154.55
			<i>For >5 To 9, Deduct</i>	-102.49	
			<i>For >9, Deduct</i>	-204.97	
12 31 16 00-0024			36" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0025	EA		36" Stainless Steel Base Cabinet, No Doors, No Drawers	1,989.82	160.68
			<i>For >5 To 9, Deduct</i>	-87.58	
			<i>For >9, Deduct</i>	-175.15	
12 31 16 00-0026	EA		36" Stainless Steel Base Cabinet, With Doors And Locks	2,459.12	160.68
			<i>For >5 To 9, Deduct</i>	-112.22	
			<i>For >9, Deduct</i>	-224.43	
12 31 16 00-0027	EA		36" Stainless Steel Base Cabinet, With Door, No Lock	2,286.22	160.68
			<i>For >5 To 9, Deduct</i>	-103.14	
			<i>For >9, Deduct</i>	-206.28	
12 31 16 00-0028	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	3,679.82	160.68
			<i>For >5 To 9, Deduct</i>	-176.30	
			<i>For >9, Deduct</i>	-352.60	
12 31 16 00-0029	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks	3,389.92	160.68
			<i>For >5 To 9, Deduct</i>	-161.08	
			<i>For >9, Deduct</i>	-322.16	



Furnishings	12
Casework	12 30
Manufactured Metal Casework	12 31

12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0030 42" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0031 EA 42" Stainless Steel Base Cabinet, No Doors, No Drawers	2,086.93	170.77
For >5 To 9, Deduct	-91.63	
For >9, Deduct	-183.26	
12 31 16 00-0032 EA 42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....	3,880.28	170.77
For >5 To 9, Deduct	-185.78	
For >9, Deduct	-371.56	
12 31 16 00-0033 EA 42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	3,589.73	170.77
For >5 To 9, Deduct	-170.53	
For >9, Deduct	-341.06	
12 31 16 00-0034 EA 42" Stainless Steel Base Cabinet, No Doors, 2 Drawers	3,288.78	170.77
For >5 To 9, Deduct	-154.73	
For >9, Deduct	-309.46	
12 31 16 00-0035 EA 42" Stainless Steel Base Cabinet, With Doors, No Lock.....	2,487.33	170.77
For >5 To 9, Deduct	-112.65	
For >9, Deduct	-225.30	
12 31 16 00-0036 EA 42" Stainless Steel Base Cabinet, With Doors And Lock.....	2,657.63	170.77
For >5 To 9, Deduct	-121.59	
For >9, Deduct	-243.19	
12 31 16 00-0037 48" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0038 EA 48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....	4,073.97	174.72
For >5 To 9, Deduct	-195.55	
For >9, Deduct	-391.10	
12 31 16 00-0039 EA 48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	3,784.07	174.72
For >5 To 9, Deduct	-180.33	
For >9, Deduct	-360.66	
12 31 16 00-0040 EA 48" Stainless Steel Base Cabinet, No Doors, No Drawers	2,280.62	174.72
For >5 To 9, Deduct	-101.40	
For >9, Deduct	-202.80	
12 31 16 00-0041 EA 48" Stainless Steel Base Cabinet, No Doors, 2 Drawers	3,483.12	174.72
For >5 To 9, Deduct	-164.53	
For >9, Deduct	-329.06	
12 31 16 00-0042 EA 48" Stainless Steel Base Cabinet, With Doors, And Lock.....	2,853.27	174.72
For >5 To 9, Deduct	-131.46	
For >9, Deduct	-262.93	
12 31 16 00-0043 EA 48" Stainless Steel Base Cabinet, With Doors, No Locks.....	2,806.47	174.72
For >5 To 9, Deduct	-129.01	
For >9, Deduct	-258.01	
12 31 16 00-0044 60" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0045 EA 24" Deep x 60" Wide Stainless Steel Sink Base Cabinet.....	2,769.81	180.04
For >5 To 9, Deduct	-126.52	
For >9, Deduct	-253.04	
12 31 16 00-0046 Stainless Steel Wall Cabinets (12 31 16 00-0001)		
12 31 16 00-0047 12" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0048 EA 12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,132.99	51.66
For >5 To 9, Deduct	-54.06	
For >9, Deduct	-108.11	
12 31 16 00-0049 EA 12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,125.37	54.79
For >5 To 9, Deduct	-53.33	
For >9, Deduct	-106.65	
12 31 16 00-0050 18" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0051 EA 18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,186.34	55.55
For >5 To 9, Deduct	-56.45	
For >9, Deduct	-112.89	
12 31 16 00-0052 EA 18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,115.49	55.55
For >5 To 9, Deduct	-52.73	
For >9, Deduct	-105.45	
12 31 16 00-0053 EA 18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,313.15	60.43
For >5 To 9, Deduct	-62.59	
For >9, Deduct	-125.19	
12 31 16 00-0054 EA 18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,269.60	60.43
For >5 To 9, Deduct	-60.31	
For >9, Deduct	-120.61	
12 31 16 00-0055 24" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0056 EA 24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door.....	970.00	61.49
For >5 To 9, Deduct	-44.47	
For >9, Deduct	-88.94	
12 31 16 00-0057 EA 24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,340.50	61.49
For >5 To 9, Deduct	-63.92	
For >9, Deduct	-127.84	

12 Furnishings**12 30 Casework****12 31 Manufactured Metal Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0058	EA		24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,270.30	61.49
			<i>For >5 To 9, Deduct</i>	-60.24	
			<i>For >9, Deduct</i>	-120.47	
12 31 16 00-0059	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,262.39	57.42
			<i>For >5 To 9, Deduct</i>	-60.24	
			<i>For >9, Deduct</i>	-120.48	
12 31 16 00-0060	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,187.64	57.42
			<i>For >5 To 9, Deduct</i>	-56.32	
			<i>For >9, Deduct</i>	-112.63	
12 31 16 00-0061	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock.....	1,537.99	57.42
			<i>For >5 To 9, Deduct</i>	-74.71	
			<i>For >9, Deduct</i>	-149.42	
12 31 16 00-0062	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	887.34	57.42
			<i>For >5 To 9, Deduct</i>	-40.55	
			<i>For >9, Deduct</i>	-81.10	
12 31 16 00-0063	EA		24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors.....	834.82	54.79
			<i>For >5 To 9, Deduct</i>	-38.07	
			<i>For >9, Deduct</i>	-76.15	
12 31 16 00-0064			30" Wide Stainless Steel Wall Cabinets (12 31 16 00-0048)		
12 31 16 00-0065	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,753.91	65.31
			<i>For >5 To 9, Deduct</i>	-85.22	
			<i>For >9, Deduct</i>	-170.44	
12 31 16 00-0066	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,583.61	65.31
			<i>For >5 To 9, Deduct</i>	-76.28	
			<i>For >9, Deduct</i>	-152.56	
12 31 16 00-0067	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,042.16	65.31
			<i>For >5 To 9, Deduct</i>	-47.85	
			<i>For >9, Deduct</i>	-95.71	
12 31 16 00-0068	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,670.44	60.12
			<i>For >5 To 9, Deduct</i>	-81.38	
			<i>For >9, Deduct</i>	-162.77	
12 31 16 00-0069	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock.....	1,500.14	60.12
			<i>For >5 To 9, Deduct</i>	-72.44	
			<i>For >9, Deduct</i>	-144.89	
12 31 16 00-0070	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	958.69	60.12
			<i>For >5 To 9, Deduct</i>	-44.02	
			<i>For >9, Deduct</i>	-88.03	
12 31 16 00-0071	EA		30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors.....	906.06	57.30
			<i>For >5 To 9, Deduct</i>	-41.55	
			<i>For >9, Deduct</i>	-83.11	
12 31 16 00-0072			36" Wide Stainless Steel Wall Cabinets (12 31 16 00-0048)		
12 31 16 00-0073	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,824.74	67.19
			<i>For >5 To 9, Deduct</i>	-88.74	
			<i>For >9, Deduct</i>	-177.49	
12 31 16 00-0074	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,650.54	67.19
			<i>For >5 To 9, Deduct</i>	-79.60	
			<i>For >9, Deduct</i>	-159.20	
12 31 16 00-0075	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,112.99	67.19
			<i>For >5 To 9, Deduct</i>	-51.38	
			<i>For >9, Deduct</i>	-102.75	
12 31 16 00-0076	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,740.90	61.49
			<i>For >5 To 9, Deduct</i>	-84.94	
			<i>For >9, Deduct</i>	-169.88	
12 31 16 00-0077	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,571.25	61.49
			<i>For >5 To 9, Deduct</i>	-76.04	
			<i>For >9, Deduct</i>	-152.07	
12 31 16 00-0078	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,029.15	61.49
			<i>For >5 To 9, Deduct</i>	-47.58	
			<i>For >9, Deduct</i>	-95.15	
12 31 16 00-0079	EA		36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	977.77	58.56
			<i>For >5 To 9, Deduct</i>	-45.18	
			<i>For >9, Deduct</i>	-90.37	
12 31 16 00-0080			42" Wide Stainless Steel Wall Cabinets (12 31 16 00-0048)		
12 31 16 00-0081	EA		42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,897.58	84.54
			<i>For >5 To 9, Deduct</i>	-90.75	
			<i>For >9, Deduct</i>	-181.51	
12 31 16 00-0082	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,906.08	79.78
			<i>For >5 To 9, Deduct</i>	-91.70	
			<i>For >9, Deduct</i>	-183.39	
12 31 16 00-0083	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,733.18	79.78
			<i>For >5 To 9, Deduct</i>	-82.62	
			<i>For >9, Deduct</i>	-165.24	
12 31 16 00-0084	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,193.03	79.78
			<i>For >5 To 9, Deduct</i>	-54.26	
			<i>For >9, Deduct</i>	-108.52	
12 31 16 00-0085	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,805.75	67.01
			<i>For >5 To 9, Deduct</i>	-87.77	
			<i>For >9, Deduct</i>	-175.53	



Furnishings	12
Casework	12 30
Manufactured Metal Casework	12 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0086	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,634.15 -78.76 -157.52	67.01
12 31 16 00-0087	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,094.00 -50.40 -100.80	67.01
12 31 16 00-0088			48" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0089	EA		48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,657.59 -77.98 -155.95	84.54
12 31 16 00-0090	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,975.55 -95.15 -190.31	81.54
12 31 16 00-0091	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,805.25 -86.21 -172.43	81.54
12 31 16 00-0092	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,263.80 -57.79 -115.58	81.54
12 31 16 00-0093	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,875.77 -91.37 -182.74	67.63
12 31 16 00-0094	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,706.12 -82.47 -164.93	67.63
12 31 16 00-0095	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,164.02 -54.01 -108.01	67.63
12 31 16 00-0096			Accessories (12 31 16 00-0001)		
12 31 16 00-0097			Stainless Steel Countertops (12 31 16 00-0096) Note: 16 gauge countertops without sinks.		
12 31 16 00-0098	SF		Stainless Steel Countertop With Marine Edge and Splash Note: 16 gauge.	100.50	3.44
12 31 16 00-0099	SF		Stainless Steel Countertop Without Marine Edge and With Splash Note: 16 gauge.	93.35	3.44
12 31 16 00-0100	SF		Stainless Steel Countertop Without Marine Edge or Splash Note: 16 gauge.	86.85	3.44
12 31 16 00-0101			Stainless Steel Wall Panels (12 31 16 00-0096)		
12 31 16 00-0102	SF		Stainless Steel Wall Panel, 20 Gauge	24.93	5.14
12 31 16 00-0103			Pedestal Legs (12 31 16 00-0096)		
12 31 16 00-0104	EA		Type #304 Stainless Steel Pedestal Leg	250.53	7.83
12 31 16 00-0105			Stainless Steel Slanted Cabinet Top Enclosure (12 31 16 00-0096)		
12 31 16 00-0106	EA		Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections	267.31	14.61
12 36			Countertops (12 30)		
12 36 23			Plastic Countertops (12 36)		
12 36 23 13			Plastic-Laminate-Clad Countertops (12 36 23)		
12 36 23 13-0001			Plastic Laminate Countertops (12 36 23 13) Note: Includes plywood, MDF, or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, roundover, bevel, etc.		
12 36 23 13-0002	SF		Plastic Laminate Countertop Without Backsplash	12.97	5.84
12 36 23 13-0003	SF		Plastic Laminate Countertop With Backsplash	16.13	5.84
12 36 23 13-0004	LF		Plastic Laminate End Splash For Plastic Laminate Countertops	14.63	1.76
12 36 23 13-0005	EA		Cutout For Sink And/Or Faucet In Plastic Laminate Countertop.....	48.69	
12 36 61			Simulated Stone Countertops (12 36)		
12 36 61 16			Solid Surfacing Countertops (12 36 61)		
12 36 61 16-0001			Solid Polyester Countertops (12 36 61 16)		
12 36 61 16-0002			Solid Polyester Countertop And Backsplash, Group B Colors (12 36 61 16-0001) Note: May be used for wall applications.		

12 Furnishings**12 30 Casework****12 36 Countertops**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 61 16-0003	SF		1/4" Solid Polyester (Corian) Backsplash, Group B Colors.....	17.33	3.89
			Note: Quantity based on area of backsplash. Excludes backing material such as cement or water resistant gypsum board.		
			For Group A Color Material, Deduct	-3.70	
			For Group C Color Material, Add	1.48	
			For Group D Color Material, Add	4.07	
12 36 61 16-0004	SF		1/2" Solid Polyester (Corian) Countertop, Group B Colors.....	34.66	5.84
			Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).		
			For Group A Color Material, Deduct	-7.40	
			For Group C Color Material, Add	2.96	
			For Group D Color Material, Add	8.14	
			For Each LF Of Half Round Edge, Add	8.00	
			For Each LF Of Ogee Or Full Round Edge, Add	12.00	
			For Each LF Of Machining A Cove At Backsplash, Add	10.00	
			For Each Sink, Range Or Vanity Cutout, Add	15.00	
			For 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add	125.25	
			For 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add	158.37	
			For 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add	115.61	
			For 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add	110.20	
			For 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add	158.37	
			For 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add	158.37	
			For 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add	158.37	
			For 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add	158.37	
			For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add	142.71	
			Note: Single or double bowl.		
			For >1.5 To 2.25 SF Integral Single Basin Kitchen Sink, Add	248.09	
			Note: Single or double bowl.		
			For >2.25 To 3 SF Integral Single Basin Kitchen Sink, Add	332.39	
			Note: Single or double bowl.		
			For >3 SF Integral Single Basin Kitchen Sink, Add	360.09	
			Note: Single or double bowl.		
			For >3 SF Integral Double Basin Kitchen Sink, Add	360.09	

12 40 Furnishings And Accessories ⁽¹²⁾**12 41 Office Accessories** ^(12 40)**12 41 00 00-0001 Wall Mounted Office Accessories** ^(12 41)

12 41 00 00-0002	EA		Manual Pencil Sharpener, Wall Mounted.....	10.08	2.07
12 41 00 00-0003	EA		Wall Mounted Flag.....	9.55	2.07

12 48 Rugs And Mats ^(12 40)**12 48 13 Entrance Floor Mats And Frames** ^(12 48)**12 48 13 13 Entrance Floor Mats** ^(12 48 13)**12 48 13 13-0001 Floor Mats** ^(12 48 13 13)

12 48 13 13-0002	SF		3/8" Thick Solid Recessable Floor Mat.....	11.23	1.39
			For Colors, Add	1.69	
12 48 13 13-0003	SF		1/2" Thick Solid Recessable Floor Mat.....	13.83	1.39
			For Colors, Add	2.21	
12 48 13 13-0004	SF		3/8" Thick Perforated Recessable Floor Mat.....	11.88	1.39
			For Colors, Add	1.82	
12 48 13 13-0005	SF		1/2" Thick Perforated Recessable Floor Mat.....	14.48	1.39
			For Colors, Add	2.34	

12 48 13 13-0006 Link Mats ^(12 48 13 13)

Note: Includes nosing.

12 48 13 13-0007	SF		3/8" Link Mats, Aluminum.....	13.92	1.39
12 48 13 13-0008	SF		Black Rubber Link Mats With Galvanized Tie Rods.....	11.72	1.39
12 48 13 13-0009	SF		3/8" Thick, Galvanized Steel Link Mats.....	10.91	1.39
12 48 13 13-0010	SF		Vinyl Link Mats, Color.....	12.68	1.39
12 48 13 13-0011	LF		Rubber Nosing.....	3.56	0.61

12 48 13 13-0012 Duckboard ^(12 48 13 13)

12 48 13 13-0013	SF		Aluminum Slats.....	19.57	1.52
12 48 13 13-0014	SF		Hardwood Strips On Rubber Base.....	11.66	1.52
12 48 13 13-0015	SF		Assembled With Brass Rods And Vinyl Spacers.....	12.93	1.52
12 48 13 13-0016	SF		Tire Fabric, 3/4" Thick.....	11.76	1.52
12 48 13 13-0017	SF		Vinyl, 36" Wide, Hollow Top And Bottom.....	5.52	1.52
12 48 13 13-0018	SF		Vinyl, 36" Wide, Solid Top And Bottom.....	7.48	1.52

12 48 13 16 Entrance Floor Mat Frames ^(12 48 13)**12 48 13 16-0001 Recessed Frames** ^(12 48 13 16)

12 48 13 16-0002	LF		Aluminum Recessed Embedded Frame.....	9.92	2.34
12 48 13 16-0003	LF		Bronze Recessed Embedded Frame.....	15.07	2.34



Furnishings	12
Furnishings And Accessories	12 40
Rugs And Mats	12 48

12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 50 Furniture ⁽¹²⁾

12 56 Institutional Furniture ^(12 50)

12 56 39 Lecterns ^(12 56)

12 56 39 00-0001 Lectern ^(12 56 39)

12 56 39 00-0002	EA	CON 1500-32 Van Oak Lectern.....	3,088.94	26.19
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12 59 Systems Furniture ^(12 50)

12 59 13 Panel-Hung Component System Furniture ^(12 59)

12 59 13 00-0001 Open Office Systems Furniture Components ^(12 59 13)

Note: Excludes electrical wire and wiring devices.

12 59 13 00-0002	EA	34H 24W Fabric Covered Panel - Component Systems Furniture.....	155.39	14.41
		<i>For Tackable Acoustical Barrier Panel, Add</i>	27.46	
		<i>For Acoustical Panel, Add</i>	29.85	
		<i>For Enameled Surface, Deduct</i>	-11.94	
12 59 13 00-0003	EA	34H 30W Fabric Covered Panel - Component Systems Furniture.....	172.71	16.04
		<i>For Tackable Acoustical Barrier Panel, Add</i>	30.52	
		<i>For Acoustical Panel, Add</i>	33.18	
		<i>For Enameled Surface, Deduct</i>	-13.27	
12 59 13 00-0004	EA	34H 36W Fabric Covered Panel - Component Systems Furniture.....	184.67	17.08
		<i>For Tackable Acoustical Barrier Panel, Add</i>	32.63	
		<i>For Acoustical Panel, Add</i>	35.47	
		<i>For Enameled Surface, Deduct</i>	-14.19	
12 59 13 00-0005	EA	34H 48W Fabric Covered Panel - Component Systems Furniture.....	206.92	19.18
		<i>For Tackable Acoustical Barrier Panel, Add</i>	36.57	
		<i>For Acoustical Panel, Add</i>	39.75	
		<i>For Enameled Surface, Deduct</i>	-15.90	
12 59 13 00-0006	EA	42H 24W Fabric Covered Panel - Component Systems Furniture.....	157.86	14.62
		<i>For Tackable Acoustical Barrier Panel, Add</i>	27.90	
		<i>For Acoustical Panel, Add</i>	30.32	
		<i>For Enameled Surface, Deduct</i>	-12.13	
12 59 13 00-0007	EA	42H 30W Fabric Covered Panel - Component Systems Furniture.....	178.46	16.51
		<i>For Tackable Acoustical Barrier Panel, Add</i>	31.54	
		<i>For Acoustical Panel, Add</i>	34.28	
		<i>For Enameled Surface, Deduct</i>	-13.71	
12 59 13 00-0008	EA	42H 36W Fabric Covered Panel - Component Systems Furniture.....	199.90	18.55
		<i>For Tackable Acoustical Barrier Panel, Add</i>	35.33	
		<i>For Acoustical Panel, Add</i>	38.40	
		<i>For Enameled Surface, Deduct</i>	-15.36	
12 59 13 00-0009	EA	42H 48W Fabric Covered Panel - Component Systems Furniture.....	234.95	21.74
		<i>For Tackable Acoustical Barrier Panel, Add</i>	41.52	
		<i>For Acoustical Panel, Add</i>	45.13	
		<i>For Enameled Surface, Deduct</i>	-18.05	
12 59 13 00-0010	EA	62H 12W Fabric Covered Panel - Component Systems Furniture.....	152.10	14.10
		<i>For Tackable Acoustical Barrier Panel, Add</i>	26.88	
		<i>For Acoustical Panel, Add</i>	29.22	
		<i>For Enameled Surface, Deduct</i>	-11.69	
12 59 13 00-0011	EA	62H 24W Fabric Covered Panel - Component Systems Furniture.....	187.14	17.34
		<i>For Tackable Acoustical Barrier Panel, Add</i>	33.07	
		<i>For Acoustical Panel, Add</i>	35.95	
		<i>For Enameled Surface, Deduct</i>	-14.38	
12 59 13 00-0012	EA	62H 36W Fabric Covered Panel - Component Systems Furniture.....	234.14	21.69
		<i>For Tackable Acoustical Barrier Panel, Add</i>	41.37	
		<i>For Acoustical Panel, Add</i>	44.97	
		<i>For Enameled Surface, Deduct</i>	-17.99	
12 59 13 00-0013	EA	62H 48W Fabric Covered Panel - Component Systems Furniture.....	280.27	25.94
		<i>For Tackable Acoustical Barrier Panel, Add</i>	49.53	
		<i>For Acoustical Panel, Add</i>	53.84	
		<i>For Enameled Surface, Deduct</i>	-21.54	
12 59 13 00-0014	EA	34" Draw Rod Panel Connector Hardware	8.49	0.78
12 59 13 00-0015	EA	42" Draw Rod Panel Connector Hardware	8.49	0.78
12 59 13 00-0016	EA	62" Draw Rod Panel Connector Hardware	9.06	0.83
12 59 13 00-0017	EA	34" Two-Way 90 Degree Panel Connector Hardware.....	39.04	3.62
12 59 13 00-0018	EA	42" Two-Way 90 Degree Panel Connector Hardware.....	45.26	4.19
12 59 13 00-0019	EA	62" Two-Way 90 Degree Panel Connector Hardware.....	52.05	4.82
12 59 13 00-0020	EA	34" Three-Way 90 Degree Panel Connector Hardware.....	60.54	5.60
12 59 13 00-0021	EA	42" Three-Way 90 Degree Panel Connector Hardware.....	70.15	6.50
12 59 13 00-0022	EA	62" Three-Way 90 Degree Panel Connector Hardware.....	81.47	7.54
12 59 13 00-0023	EA	34" Four-Way 90 Degree Panel Connector Hardware.....	76.37	7.07
12 59 13 00-0024	EA	42" Four-Way 90 Degree Panel Connector Hardware.....	89.39	8.27
12 59 13 00-0025	EA	62" Four-Way 90 Degree Panel Connector Hardware.....	107.49	9.95
12 59 13 00-0026	EA	34" Panel End Cap Hardware.....	13.01	1.20
12 59 13 00-0027	EA	42" Panel End Cap Hardware.....	14.70	1.37
12 59 13 00-0028	EA	62" Panel End Cap Hardware.....	15.84	1.47
12 59 13 00-0029	EA	28" Variable Height Panel End Filler.....	14.35	1.37
		Note: Field cut to appropriate length.		
12 59 13 00-0030	EA	Two-Way Trim Cover For Cable Management Raceway.....	7.39	0.68

12 Furnishings**12 50 Furniture****12 59 Systems Furniture**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0031 EA Three-Way Trim Cover For Cable Management Raceway	7.80	0.73
12 59 13 00-0032 EA Four-Way Trim Cover For Cable Management Raceway	9.02	0.83
12 59 13 00-0033 EA Finished End Trim Cover For Cable Management Raceway	7.39	0.68
12 59 13 00-0034 EA 12" Cable Management Raceway Assembly	15.17	1.42
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0035 EA 24" Cable Management Raceway Assembly	17.24	1.58
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0036 EA 30" Cable Management Raceway Assembly	17.64	1.63
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0037 EA 36" Cable Management Raceway Assembly	19.69	1.84
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0038 EA 48" Cable Management Raceway Assembly	22.15	2.05
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0039 EA 24" x 36" Radiused Edge Rectangular Hanging Work Surface	119.11	11.01
12 59 13 00-0040 EA 30" x 36" Radiused Edge Rectangular Hanging Work Surface	146.74	13.57
12 59 13 00-0041 EA 24" x 48" Radiused Edge Rectangular Hanging Work Surface	138.49	12.83
12 59 13 00-0042 EA 30" x 48" Radiused Edge Rectangular Hanging Work Surface	173.13	16.04
12 59 13 00-0043 EA 24" x 60" Radiused Edge Rectangular Hanging Work Surface	174.76	16.19
12 59 13 00-0044 EA 30" x 60" Radiused Edge Rectangular Hanging Work Surface	220.11	20.43
12 59 13 00-0045 EA 24" x 72" Radiused Edge Rectangular Hanging Work Surface	212.27	19.65
12 59 13 00-0046 EA 30" x 72" Radiused Edge Rectangular Hanging Work Surface	266.67	24.68
12 59 13 00-0047 EA 30" x 60" Radiused Edge Table	473.72	43.91
12 59 13 00-0048 EA 30" x 72" Radiused Edge Table	517.69	48.00
12 59 13 00-0049 EA 14" x 24" Radiused Edge Transaction Surface	56.88	5.29
12 59 13 00-0050 EA 14" x 36" Radiused Edge Transaction Surface	64.71	5.97
12 59 13 00-0051 EA 14" x 48" Radiused Edge Transaction Surface	72.55	6.71
12 59 13 00-0052 EA 14" x 60" Radiused Edge Transaction Surface	90.26	8.38
12 59 13 00-0053 EA 14" x 72" Radiused Edge Transaction Surface	108.39	10.06
12 59 13 00-0054 EA 14" Right Angle Corner Transaction Surface	189.62	17.55
12 59 13 00-0055 EA Transaction Surface Support	15.02	1.39
12 59 13 00-0056 EA Plastic Pencil Drawer	16.39	1.37
12 59 13 00-0057 EA 15-1/2" x 24" Hanging Shelf	55.38	5.13
12 59 13 00-0058 EA 15-1/2" x 36" Hanging Shelf	60.30	5.55
12 59 13 00-0059 EA 15-1/2" x 48" Hanging Shelf	64.40	5.97
12 59 13 00-0060 EA 24" Flipper Door - Top And Front Closure	95.57	8.86
Note: Used with hanging shelf.		
12 59 13 00-0061 EA 36" Flipper Door - Top And Front Closure	111.56	10.37
Note: Used with hanging shelf.		
12 59 13 00-0062 EA 48" Flipper Door - Top And Front Closure	127.97	11.84
Note: Used with hanging shelf.		
12 59 13 00-0063 EA 24" Suspended Lateral File, Lockable	329.51	30.37
12 59 13 00-0064 EA 30" Suspended Lateral File, Lockable	348.02	32.07
12 59 13 00-0065 EA 36" Suspended Lateral File, Lockable	367.21	33.84
12 59 13 00-0066 EA 48" Suspended Lateral File, Lockable	401.62	37.01
12 59 13 00-0067 EA Fully Adjustable Vinyl Keyboard Tray	149.31	13.84
12 59 13 00-0068 EA Palm Rest For Vinyl Keyboard Tray	23.37	2.20
12 59 13 00-0069 EA 24" x 36" Radiused Edge Corner Work Surface	188.63	17.50
12 59 13 00-0070 EA File Drawer Organizer	60.72	5.60
12 59 13 00-0071 EA Suspended Lateral File Converter Bracket	13.12	1.20
12 59 13 00-0072 EA Utility Task Light	65.63	6.08

12 59 13 00-0073 Disassemble And Store Systems Furniture Components (12 59 13)

12 59 13 00-0074 EA Disassemble And Store 34H 24W Fabric Covered Panel	18.00	
12 59 13 00-0075 EA Disassemble And Store 34H 30W Fabric Covered Panel	20.01	
12 59 13 00-0076 EA Disassemble And Store 34H 36W Fabric Covered Panel	21.40	
12 59 13 00-0077 EA Disassemble And Store 34H 48W Fabric Covered Panel	23.98	
12 59 13 00-0078 EA Disassemble And Store 42H 24W Fabric Covered Panel	18.30	
12 59 13 00-0079 EA Disassemble And Store 42H 30W Fabric Covered Panel	20.68	
12 59 13 00-0080 EA Disassemble And Store 42H 36W Fabric Covered Panel	23.17	
12 59 13 00-0081 EA Disassemble And Store 42H 48W Fabric Covered Panel	27.22	
12 59 13 00-0082 EA Disassemble And Store 62H 12W Fabric Covered Panel	17.62	
12 59 13 00-0083 EA Disassemble And Store 62H 24W Fabric Covered Panel	21.68	
12 59 13 00-0084 EA Disassemble And Store 62H 36W Fabric Covered Panel	27.13	
12 59 13 00-0085 EA Disassemble And Store 62H 48W Fabric Covered Panel	32.48	
12 59 13 00-0086 EA Disassemble And Store 34" Draw Rod Panel Connector Hardware	0.98	
12 59 13 00-0087 EA Disassemble And Store 42" Draw Rod Panel Connector Hardware	0.98	
12 59 13 00-0088 EA Disassemble And Store 62" Draw Rod Panel Connector Hardware	1.04	
12 59 13 00-0089 EA Disassemble And Store 34" Two-Way 90 Degree Panel Connector Hardware	4.52	
12 59 13 00-0090 EA Disassemble And Store 42" Two-Way 90 Degree Panel Connector Hardware	5.24	
12 59 13 00-0091 EA Disassemble And Store 62" Two-Way 90 Degree Panel Connector Hardware	6.04	
12 59 13 00-0092 EA Disassemble And Store 34" Three-Way 90 Degree Panel Connector Hardware	7.02	
12 59 13 00-0093 EA Disassemble And Store 42" Three-Way 90 Degree Panel Connector Hardware	8.13	
12 59 13 00-0094 EA Disassemble And Store 62" Three-Way 90 Degree Panel Connector Hardware	9.44	
12 59 13 00-0095 EA Disassemble And Store 34" Four-Way 90 Degree Panel Connector Hardware	8.85	
12 59 13 00-0096 EA Disassemble And Store 42" Four-Way 90 Degree Panel Connector Hardware	10.36	
12 59 13 00-0097 EA Disassemble And Store 62" Four-Way 90 Degree Panel Connector Hardware	12.45	
12 59 13 00-0098 EA Disassemble And Store 34" Panel End Cap Hardware	1.51	
12 59 13 00-0099 EA Disassemble And Store 42" Panel End Cap Hardware	1.71	
12 59 13 00-0100 EA Disassemble And Store 62" Panel End Cap Hardware	1.84	
12 59 13 00-0101 EA Disassemble And Store Variable Height Panel End Filler	1.67	
12 59 13 00-0102 EA Disassemble And Store Two-Way Trim Cover For Cable Management Raceway	0.85	



	Furnishings	12
	Furniture	12 50
	Systems Furniture	12 59

12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0103 EA Disassemble And Store Three-Way Trim Cover For Cable Management Raceway.....	0.90	
12 59 13 00-0104 EA Disassemble And Store Four-Way Trim Cover For Cable Management Raceway.....	1.04	
12 59 13 00-0105 EA Disassemble And Store Finished End Trim Cover For Cable Management Raceway.....	0.85	
12 59 13 00-0106 EA Disassemble And Store 12" Cable Management Raceway Assembly.....	1.76	
12 59 13 00-0107 EA Disassemble And Store 24" Cable Management Raceway Assembly.....	2.00	
12 59 13 00-0108 EA Disassemble And Store 30" Cable Management Raceway Assembly.....	2.05	
12 59 13 00-0109 EA Disassemble And Store 36" Cable Management Raceway Assembly.....	2.28	
12 59 13 00-0110 EA Disassemble And Store 48" Cable Management Raceway Assembly.....	2.57	
12 59 13 00-0111 EA Disassemble And Store 24" x 36" Radiused Edge Rectangular Hanging Work Surface.....	13.81	
12 59 13 00-0112 EA Disassemble And Store 30" x 36" Radiused Edge Rectangular Hanging Work Surface.....	17.00	
12 59 13 00-0113 EA Disassemble And Store 24" x 48" Radiused Edge Rectangular Hanging Work Surface.....	16.05	
12 59 13 00-0114 EA Disassemble And Store 30" x 48" Radiused Edge Rectangular Hanging Work Surface.....	20.06	
12 59 13 00-0115 EA Disassemble And Store 24" x 60" Radiused Edge Rectangular Hanging Work Surface.....	20.25	
12 59 13 00-0116 EA Disassemble And Store 30" x 60" Radiused Edge Rectangular Hanging Work Surface.....	25.51	
12 59 13 00-0117 EA Disassemble And Store 24" x 72" Radiused Edge Rectangular Hanging Work Surface.....	24.60	
12 59 13 00-0118 EA Disassemble And Store 30" x 72" Radiused Edge Rectangular Hanging Work Surface.....	30.91	
12 59 13 00-0119 EA Disassemble And Store 30" x 60" Radiused Edge Table.....	47.72	
12 59 13 00-0120 EA Disassemble And Store 30" x 72" Radiused Edge Table.....	59.97	
12 59 13 00-0121 EA Disassemble And Store 14" x 24" Radiused Edge Transaction Surface.....	6.59	
12 59 13 00-0122 EA Disassemble And Store 14" x 36" Radiused Edge Transaction Surface.....	7.50	
12 59 13 00-0123 EA Disassemble And Store 14" x 48" Radiused Edge Transaction Surface.....	8.40	
12 59 13 00-0124 EA Disassemble And Store 14" x 60" Radiused Edge Transaction Surface.....	10.46	
12 59 13 00-0125 EA Disassemble And Store 14" x 72" Radiused Edge Transaction Surface.....	12.56	
12 59 13 00-0126 EA Disassemble And Store 14" Right Angle Corner Transaction Surface.....	21.97	
12 59 13 00-0127 EA Disassemble And Store Transaction Surface Support.....	1.74	
12 59 13 00-0128 EA Disassemble And Store Plastic Pencil Drawer.....	1.71	
12 59 13 00-0129 EA Disassemble And Store 15-1/2" x 24" Hanging Shelf.....	6.42	
12 59 13 00-0130 EA Disassemble And Store 15-1/2" x 36" Hanging Shelf.....	6.99	
12 59 13 00-0131 EA Disassemble And Store 15-1/2" x 48" Hanging Shelf.....	7.46	
12 59 13 00-0132 EA Disassemble And Store 24" Flipper Door And Shelf.....	11.08	
12 59 13 00-0133 EA Disassemble And Store 36" Flipper Door And Shelf.....	12.92	
12 59 13 00-0134 EA Disassemble And Store 48" Flipper Door And Shelf.....	14.83	
12 59 13 00-0135 EA Disassemble And Store 24" Suspended Lateral File.....	37.96	
12 59 13 00-0136 EA Disassemble And Store 30" Suspended Lateral File.....	40.09	
12 59 13 00-0137 EA Disassemble And Store 36" Suspended Lateral File.....	42.30	
12 59 13 00-0138 EA Disassemble And Store 48" Suspended Lateral File.....	46.26	
12 59 13 00-0139 EA Disassemble And Store Fully Adjustable Vinyl Keyboard Tray.....	17.30	
12 59 13 00-0140 EA Disassemble And Store 24" x 36" Radiused Edge Corner Work Surface.....	21.86	
12 59 13 00-0141 EA Disassemble And Store Utility Task Light.....	7.60	
12 59 13 00-0142 Reconfigure Systems Furniture Components (12 59 13)		
12 59 13 00-0143 EA Reconfigure 34H 24W Fabric Covered Panel.....	19.20	
12 59 13 00-0144 EA Reconfigure 34H 30W Fabric Covered Panel.....	21.34	
12 59 13 00-0145 EA Reconfigure 34H 36W Fabric Covered Panel.....	22.81	
12 59 13 00-0146 EA Reconfigure 34H 48W Fabric Covered Panel.....	25.57	
12 59 13 00-0147 EA Reconfigure 42H 24W Fabric Covered Panel.....	19.50	
12 59 13 00-0148 EA Reconfigure 42H 30W Fabric Covered Panel.....	22.05	
12 59 13 00-0149 EA Reconfigure 42H 36W Fabric Covered Panel.....	24.69	
12 59 13 00-0150 EA Reconfigure 42H 48W Fabric Covered Panel.....	29.03	
12 59 13 00-0151 EA Reconfigure 62H 12W Fabric Covered Panel.....	18.79	
12 59 13 00-0152 EA Reconfigure 62H 24W Fabric Covered Panel.....	23.12	
12 59 13 00-0153 EA Reconfigure 62H 36W Fabric Covered Panel.....	28.92	
12 59 13 00-0154 EA Reconfigure 62H 48W Fabric Covered Panel.....	34.62	
12 59 13 00-0155 EA Reconfigure 34" Draw Rod Panel Connector Hardware.....	1.04	
12 59 13 00-0156 EA Reconfigure 42" Draw Rod Panel Connector Hardware.....	1.04	
12 59 13 00-0157 EA Reconfigure 62" Draw Rod Panel Connector Hardware.....	1.11	
12 59 13 00-0158 EA Reconfigure 34" Two-Way 90 Degree Panel Connector Hardware.....	4.82	
12 59 13 00-0159 EA Reconfigure 42" Two-Way 90 Degree Panel Connector Hardware.....	5.59	
12 59 13 00-0160 EA Reconfigure 62" Two-Way 90 Degree Panel Connector Hardware.....	6.43	
12 59 13 00-0161 EA Reconfigure 34" Three-Way 90 Degree Panel Connector Hardware.....	7.48	
12 59 13 00-0162 EA Reconfigure 42" Three-Way 90 Degree Panel Connector Hardware.....	8.67	
12 59 13 00-0163 EA Reconfigure 62" Three-Way 90 Degree Panel Connector Hardware.....	10.06	
12 59 13 00-0164 EA Reconfigure 34" Four-Way 90 Degree Panel Connector Hardware.....	9.44	
12 59 13 00-0165 EA Reconfigure 42" Four-Way 90 Degree Panel Connector Hardware.....	11.05	
12 59 13 00-0166 EA Reconfigure 62" Four-Way 90 Degree Panel Connector Hardware.....	13.28	
12 59 13 00-0167 EA Reconfigure 34" Panel End Cap Hardware.....	1.61	
12 59 13 00-0168 EA Reconfigure 42" Panel End Cap Hardware.....	1.82	
12 59 13 00-0169 EA Reconfigure 62" Panel End Cap Hardware.....	1.96	
12 59 13 00-0170 EA Reconfigure Variable Height Panel End Filler.....	1.78	
12 59 13 00-0171 EA Reconfigure Two-Way Trim Cover For Cable Management Raceway.....	0.91	
12 59 13 00-0172 EA Reconfigure Three-Way Trim Cover For Cable Management Raceway.....	0.96	
12 59 13 00-0173 EA Reconfigure Four-Way Trim Cover For Cable Management Raceway.....	1.11	
12 59 13 00-0174 EA Reconfigure Finished End Trim Cover For Cable Management Raceway.....	0.91	
12 59 13 00-0175 EA Reconfigure 12" Cable Management Raceway Assembly.....	1.88	
12 59 13 00-0176 EA Reconfigure 24" Cable Management Raceway Assembly.....	2.13	
12 59 13 00-0177 EA Reconfigure 30" Cable Management Raceway Assembly.....	2.18	
12 59 13 00-0178 EA Reconfigure 36" Cable Management Raceway Assembly.....	2.43	
12 59 13 00-0179 EA Reconfigure 48" Cable Management Raceway Assembly.....	2.73	
12 59 13 00-0180 EA Reconfigure 24" x 36" Radiused Edge Rectangular Hanging Work Surface.....	14.72	
12 59 13 00-0181 EA Reconfigure 30" x 36" Radiused Edge Rectangular Hanging Work Surface.....	18.13	

12 Furnishings**12 50 Furniture****12 59 Systems Furniture**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 59 13 00-0182	EA	Reconfigure 24" x 48" Radiused Edge Rectangular Hanging Work Surface.....	17.11	
12 59 13 00-0183	EA	Reconfigure 30" x 48" Radiused Edge Rectangular Hanging Work Surface.....	21.39	
12 59 13 00-0184	EA	Reconfigure 24" x 60" Radiused Edge Rectangular Hanging Work Surface.....	21.59	
12 59 13 00-0185	EA	Reconfigure 30" x 60" Radiused Edge Rectangular Hanging Work Surface.....	27.19	
12 59 13 00-0186	EA	Reconfigure 24" x 72" Radiused Edge Rectangular Hanging Work Surface.....	26.23	
12 59 13 00-0187	EA	Reconfigure 30" x 72" Radiused Edge Rectangular Hanging Work Surface.....	32.95	
12 59 13 00-0188	EA	Reconfigure 30" x 60" Radiused Edge Table.....	58.53	
12 59 13 00-0189	EA	Reconfigure 30" x 72" Radiused Edge Table.....	63.97	
12 59 13 00-0190	EA	Reconfigure 14" x 24" Radiused Edge Transaction Surface.....	7.03	
12 59 13 00-0191	EA	Reconfigure 14" x 36" Radiused Edge Transaction Surface.....	7.99	
12 59 13 00-0192	EA	Reconfigure 14" x 48" Radiused Edge Transaction Surface.....	8.97	
12 59 13 00-0193	EA	Reconfigure 14" x 60" Radiused Edge Transaction Surface.....	11.15	
12 59 13 00-0194	EA	Reconfigure 14" x 72" Radiused Edge Transaction Surface.....	13.40	
12 59 13 00-0195	EA	Reconfigure 14" Right Angle Corner Transaction Surface.....	23.43	
12 59 13 00-0196	EA	Reconfigure Transaction Surface Support.....	1.85	
12 59 13 00-0197	EA	Reconfigure 15-1/2" x 24" Hanging Shelf.....	6.84	
12 59 13 00-0198	EA	Reconfigure 15-1/2" x 36" Hanging Shelf.....	7.45	
12 59 13 00-0199	EA	Reconfigure 15-1/2" x 48" Hanging Shelf.....	7.95	
12 59 13 00-0200	EA	Reconfigure 24" Flipper Door And Shelf.....	11.81	
12 59 13 00-0201	EA	Reconfigure 36" Flipper Door And Shelf.....	13.79	
12 59 13 00-0202	EA	Reconfigure 48" Flipper Door And Shelf.....	15.82	
12 59 13 00-0203	EA	Reconfigure 24" Suspended Lateral File.....	40.49	
12 59 13 00-0204	EA	Reconfigure 30" Suspended Lateral File.....	42.76	
12 59 13 00-0205	EA	Reconfigure 36" Suspended Lateral File.....	45.12	
12 59 13 00-0206	EA	Reconfigure 48" Suspended Lateral File.....	49.36	
12 59 13 00-0207	EA	Reconfigure 24" x 36" Radiused Edge Corner Work Surface.....	23.31	

12 60 Multiple Seating ⁽¹²⁾**12 61 Fixed Audience Seating** ^(12 60)**12 61 13 Upholstered Audience Seating** ^(12 61)**12 61 13 00-0001 Fixed Back Upholstered Audience Seating** ^(12 61 13)

12 61 13 00-0002	EA	31" Seat Height, Polypropylene, Fixed Back Upholstered Audience Seating (Irwin Marquee 51.12.10.4)	375.78	25.44
		Note: Polypropylene surfaced back and seat with plywood backed upholstered panels. Comfort curved wood armrests. Powdered coated steel chair platform.		
		For <25, Add	86.52	
		For >100, Deduct	-51.98	
		For Table Arm Attachment, Add	47.42	
		For Aisle Panel, Add	86.66	
		For Epoxy Anchoring, Add	12.82	
12 61 13 00-0003	EA	36" Seat Height, Polypropylene, Fixed Back Upholstered Audience Seating (Irwin Saturn 22.12.00.4)	486.16	25.44
		Note: Polypropylene surfaced back and seat with plywood backed upholstered panels. Comfort curved polymer armrests. Powdered coated steel chair platform.		
		For <25, Add	116.33	
		For >100, Deduct	-69.88	
		For Table Arm Attachment, Add	47.42	
		For Aisle Panel, Add	86.66	
		For Epoxy Anchoring, Add	12.82	

12 61 16 Molded-Plastic Audience Seating ^(12 61)**12 61 16 00-0001 Fixed Back Molded-Plastic Audience Seating** ^(12 61 16)

12 61 16 00-0002	EA	Fixed Back Molded-Plastic Audience Seating (Irwin Patriot 30.52.36.30).....	272.85	25.44
		Note: Impact resistant textured polypropylene seat and back. Laminate surfaced armrests. Powder coated steel chair platform.		
		For <25, Add	58.73	
		For >100, Deduct	-35.28	
		For Table Arm Attachment, Add	47.42	
		For Aisle Panel, Add	86.66	
		For Epoxy Anchoring, Add	12.82	

12 61 19 Plywood/Hardwood Audience Seating ^(12 61)**12 61 19 00-0001 Fixed Back Plywood/Hardwood Audience Seating** ^(12 61 19)

12 61 19 00-0002	EA	Fixed Back Plywood/Hardwood Audience Seating (Irwin Crusader 1.14.86.4).....	415.38	25.44
		Note: Stained hardwood armrests, veneered plywood seat, and veneered plywood back. Powder coated steel chair platform.		
		For <25, Add	97.22	
		For >100, Deduct	-58.40	
		For Table Arm Attachment, Add	47.42	
		For Aisle Panel, Add	86.66	
		For Epoxy Anchoring, Add	12.82	

12 62 Portable-Audience Seating ^(12 60)**12 62 23 Portable Bleachers** ^(12 62)



Furnishings	12	12
Multiple Seating	12 60	
Portable-Audience Seating	12 62	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 62 23 00-0001 Metal Bleachers, Outdoor, Portable <small>(12 62 23)</small> Note: Average seating is 18".		
12 62 23 00-0002 Non-Elevated Portable Aluminum Bleacher <small>(12 62 23 00-0001)</small>		
12 62 23 00-0003 SEA 2 To 5 Rows, Non Elevated Portable Aluminum Bleacher Price Per Seat.....	48.40	2.68
For Each "Tip and Roll" Set (Includes Two Fixed Wheels), Add To Total Structure	165.00	
For Each "Flip and Roll" Set (Includes Four Wheels), Add To Total Structure	335.00	
12 62 23 00-0004 Non-Elevated Portable Aluminum Bleacher <small>(12 62 23 00-0001)</small> Note: Includes side and back fence.		
12 62 23 00-0005 SEA 5 Rows, Non Elevated Portable Aluminum Bleacher	61.87	2.68
Note: Including side and back fence.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	
12 62 23 00-0006 SEA 6 To 10 Rows, Non Elevated Portable Aluminum Bleacher	70.05	2.82
Note: Including side and back fence.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	
12 62 23 00-0007 SEA 11 To 15 Rows, Non Elevated Portable Aluminum Bleacher.....	73.14	2.95
Note: Including side and back fence.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	
12 62 23 00-0008 Non-Elevated Portable Aluminum Bleacher <small>(12 62 23 00-0001)</small> Note: Includes side and back fence and center aisle with rails.		
12 62 23 00-0009 SEA 5 Rows, Non Elevated Portable Aluminum Bleacher	93.95	3.02
Note: Including side and back fence and center aisle with hand rails.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	
12 62 23 00-0010 SEA 6 To 10 Rows, Non Elevated Portable Aluminum Bleacher.....	106.88	3.17
Note: Including side and back fence and center aisle with hand rails.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	
12 62 23 00-0011 SEA 11 To 15 Rows, Non Elevated Portable Aluminum Bleacher.....	115.73	3.36
Note: Including side and back fence and center aisle with hand rails.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	

END OF SECTION 12

12	12	Furnishings
	12 60	Multiple Seating
	12 62	Portable-Audience Seating



MINOR		
CSI	UOM	DESCRIPTION

	TOTAL DIRECT	DEMOLITION
	UNIT COST	UNIT COST

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Special Construction	13	13
Special Structures	13 30	
Fabricated Engineered Structures	13 34	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 Special Construction

13 30 Special Structures ⁽¹³⁾

13 34 Fabricated Engineered Structures ^(13 30)

13 34 16 Grandstands And Bleachers ^(13 34)

13 34 16 13 Grandstands ^(13 34 16)

13 34 16 13-0001 Permanent Grandstands, Wood Seat, Steel Frame ^(13 34 16 13)

13 34 16 13-0002 3 To 15 Tiers ^(13 34 16 13-0001)

13 34 16 13-0003 SEA 3-15 Tier Permanent Grandstand Price Per Seat58.75 5.36

13 34 16 13-0004 16 To 30 Tiers ^(13 34 16 13-0001)

13 34 16 13-0005 SEA 16-30 Tier Permanent Grandstand Price Per Seat92.35 6.04

13 34 23 Fabricated Structures ^(13 34)

13 34 23 13 Portable And Mobile Buildings ^(13 34 23)

Note: Includes material, delivery to site, factory design analysis and report, shop drawings and assembly of building on site. Tie down with hurricane anchors on approved foundation. Excludes utility hook-ups and foundation.

13 34 23 13-0001 Prefabricated Signal, Communication Or Electrical Building ^(13 34 23 13)

Note: Complete, includes door, roof, lights and wiring, insulation, painted.

13 34 23 13-0002 SF 15 SF To 29 SF Prefabricated Signal, Communication Or Electrical Building423.03
 13 34 23 13-0003 SF 30 SF To 49 SF Prefabricated Signal, Communication Or Electrical Building362.81
 13 34 23 13-0004 SF 50 SF To 79 SF Prefabricated Signal, Communication Or Electrical Building290.35
 13 34 23 13-0005 SF 80 SF To 99 SF Prefabricated Signal, Communication Or Electrical Building229.78
 13 34 23 13-0006 SF 100 SF To 144 SF Prefabricated Signal, Communication Or Electrical Building205.41

13 34 23 13-0007 Relocate Trailer Within 5 Miles ^(13 34 23 13)

Note: Includes removal of tie-downs and underpins. Set-up tie-downs.

13 34 23 13-0008 EA Relocate Single Trailer Within 5 Miles726.01
 13 34 23 13-0009 SF Install Under-Pinning2.54

13 34 23 13-0010 Temporary Trailers 1 To 6 Years Life ^(13 34 23 13)

Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, phone jacks, two wooden landings, stairs, and handrails. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.

13 34 23 13-0011 SF Single Trailer Up To 14' x 73'33.89
 For Each Delivery And Set-Up (Block And Level), Add 1,093.32
 For Each Knock-Down And Pick-Up, Add 813.32
 For Each Anchoring Into Asphalt Or Concrete, Add 110.00
 13 34 23 13-0012 SF Modular Trailers, Connected.....47.45
 For Each Anchoring Into Asphalt Or Concrete, Add 110.00
 For Each Delivery And Set-Up (Block And Level), Add 2,347.52
 For Each Knock-Down And Pick-Up, Add 1,697.52
 13 34 23 13-0013 EA Add Per Additional Exterior Door With Frame And Hardware.....508.39

13 34 23 13-0014 Accessories ^(13 34 23 13)

13 34 23 13-0015 Skirting ^(13 34 23 13-0014)

Note: Includes 2" x 4" wood framing 16" on center.

13 34 23 13-0016 Vinyl Covered, Exterior Only ^(13 34 23 13-0015)

13 34 23 13-0017 SF 1'-8" High Vinyl Covered Skirt.....2.69 1.00
 13 34 23 13-0018 SF 3' High Vinyl Covered Skirt.....3.94 1.66

13 34 23 13-0019 Fiberglass, Exterior Only ^(13 34 23 13-0015)

13 34 23 13-0020 SF 1'-8" High Fiberglass Skirt.....5.16 1.89
 13 34 23 13-0021 SF 3' High Fiberglass Skirt.....5.97 2.31

13 34 23 13-0022 Plywood, Exterior Only ^(13 34 23 13-0015)

13 34 23 13-0023 SF 1'-8" High 5/8" Plywood Skirt4.63 2.01
 13 34 23 13-0024 SF 3' High 5/8" Plywood Skirt.....5.47 2.42

13 34 23 13-0025 Steel, Painted, Exterior Only ^(13 34 23 13-0015)

13 34 23 13-0026 SF 1'-8" High 26 Gauge Steel Skirt5.31 1.89
 13 34 23 13-0027 SF 3' High 26 Ga. Steel Skirt.....6.16 2.31

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

13 34 23 13-0028	14" x 14" Access Hatch <small>(13 34 23 13-0014)</small>		
	Note: Simple design.		
13 34 23 13-0029	EA 14" x 14" Vinyl Covered Access Hatch	133.52	44.34
13 34 23 13-0030	EA 14" x 14" Fiberglass Access Hatch	121.20	44.34
13 34 23 13-0031	EA 14" x 14" Plywood Access Hatch	132.55	44.34
13 34 23 13-0032	EA 14" x 14" 26 Gauge Steel Access Hatch.....	133.34	44.34

13 34 23 13-0033	Aluminum Modular Access Ramp <small>(13 34 23 13-0014)</small>		
	Note: Includes picketed guardrails, inside grabrails, legs and hardware.		
13 34 23 13-0034	EA 72" Long x 52-1/4" Wide Ramp Section, Aluminum Modular Access Ramp	1,847.58	14.78
13 34 23 13-0035	EA 60-1/4" Long x 61-3/4" Wide Door Landing Section, Aluminum Modular Access Ramp	1,865.32	19.22
13 34 23 13-0036	EA 60-1/4" Long x 123-1/2" Wide Switchback Landing Section, Aluminum Modular Access Ramp	3,842.56	29.57
13 34 23 13-0037	EA 110-3/4" Long x 72" Wide Switchback Landing Section, Aluminum Modular Access Ramp	4,141.10	29.57
13 34 23 13-0038	EA 60-1/4" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	1,939.95	19.22
13 34 23 13-0039	EA 71-3/4" Long x 52-1/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	1,922.21	14.78
13 34 23 13-0040	EA 84-1/2" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	2,684.44	19.22
13 34 23 13-0041	EA 30" High x 82" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	1,903.57	19.22
13 34 23 13-0042	EA 35" High x 96" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	1,903.57	19.22
13 34 23 13-0043	EA 42" High x 110" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	2,167.59	19.22
13 34 23 13-0044	EA 49" High x 124" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	2,429.74	19.22

13 34 23 14 Fabricated Classroom Buildings (13 34 23)

13 34 23 14-0001	Semi Permanent Modular Transportable Buildings <small>(13 34 23 14)</small>		
13 34 23 14-0002	SF Portable Classrooms, Complete With Doors, Windows, Fixtures, Toilets And Workroom	50.50	
	For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
	For Each Delivery And Set-Up (Block And Level), Add	2,347.52	
	For Each Knock-Down And Pick-Up, Add	1,697.52	
13 34 23 14-0003	SF Modular Classroom, Connected, Complete With Doors, Windows, Fixtures, Toilets And Teachers Work Room	51.99	
	For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
	For Each Delivery And Set-Up (Block And Level), Add	2,347.52	
	For Each Knock-Down And Pick-Up, Add	1,697.52	

13 34 23 29 Fabricated Kiosks (13 34 23)

13 34 23 29-0001	Customer's Assistant Kiosk <small>(13 34 23 29)</small>		
	Note: Based on SF of kiosks. Complete kiosk modular enclosure, in-place, structurally independent and self contained. Stainless steel.		
13 34 23 29-0002	CF Round Kiosk With 1/4" Fiberglass Wall, (Based On 5' Diameter x 8' High).....	38.72	
13 34 23 29-0003	CF Round Kiosk, With 1" Insulated Fiberglass Double Wall, (Based On 5' Diameter x 8' High).....	43.52	
13 34 23 29-0004	CF Rectangular Kiosk, With 1/4" Fiberglass Wall, (Based On 5' x 9' x 7'-6" High)	26.14	
13 34 23 29-0005	CF Rectangular Kiosk, With 1" Insulated Fiberglass Double Wall	31.41	
	Note: Based on 5'x9'x7'-6" high.		
13 34 23 29-0006	CF Octagonal Kiosk, With 1/4" Fiberglass Wall,	30.03	
	Note: Based on 9' wide x 8' high.		
13 34 23 29-0007	CF Octagonal Kiosk, With 1" Insulated Fiberglass Double Wall	35.80	
	Note: Based on 9' wide x 8' high.		

13 40 Integrated Construction (13)**13 48 Sound, Vibration, And Seismic Control** (13 40)**13 48 63 Fabricated Seismic Control Assemblies** (13 48)

13 48 63 00-0001	Seismic Bracing Assembly <small>(13 48 63)</small>		
13 48 63 00-0002	EA 4-Bolt Deck Anchor Connection For Seismic Brace	80.92	
	Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.		
13 48 63 00-0003	EA 2 Cable Seismic Brace With Center Threaded Rod Stiffener.....	83.81	
	Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0004	EA 3 Cable Seismic Brace With Center Threaded Rod Stiffener.....	125.16	
	Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0005	EA 4 Cable Seismic Brace With Center Threaded Rod Stiffener.....	162.09	
	Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0006	EA 2 Channel Seismic Brace With Center Threaded Rod Stiffener.....	178.88	
	Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0007	EA 3 Channel Seismic Brace With Center Threaded Rod Stiffener.....	265.56	
	Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0008	EA 4 Channel Seismic Brace With Center Threaded Rod Stiffener.....	352.25	
	Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0009	EA 2 Rod Seismic Brace With Center Threaded Rod Stiffener	103.23	
	Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0010	EA 3 Rod Seismic Brace With Center Threaded Rod Stiffener	152.08	
	Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0011	EA 4 Rod Seismic Brace With Center Threaded Rod Stiffener	200.93	
	Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		



Special Construction	13
Integrated Construction	13 40
Sound, Vibration, And Seismic Control	13 48

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 63 00-0012 Seismic Brace Components <small>(13 48 63)</small>		
13 48 63 00-0013 EA 1/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-1..... Note: To be used with 7x19 stranded cable.	18.18	
13 48 63 00-0014 EA 3/16" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-2..... Note: To be used with 7x19 stranded cable.	24.79	
13 48 63 00-0015 EA 1/4" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-3..... Note: To be used with 7x19 stranded cable.	32.73	
13 48 63 00-0016 EA 3/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-4..... Note: To be used with 7x19 stranded cable.	44.61	
13 48 63 00-0017 EA Seismic Solid Brace Swivel Anchor; Mason SSB-1 Note: To be used with angle or channel.	17.10	
13 48 63 00-0018 EA Seismic Solid Brace Swivel Anchor; Mason SSB-2 Note: To be used with angle or channel.	22.92	
13 48 63 00-0019 EA Seismic Solid Brace Swivel Anchor; Mason SSB-3 Note: To be used with angle or channel.	29.98	
13 48 63 00-0020 EA Seismic Solid Brace Swivel Anchor; Mason SSB-4 Note: To be used with angle or channel.	40.37	
13 48 63 00-0021 EA 1/8" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-1 Note: To be used with 7x19 stranded cable.	20.63	
13 48 63 00-0022 EA 3/16" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-2 Note: To be used with 7x19 stranded cable.	27.08	
13 48 63 00-0023 EA 1/4" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-3 Note: To be used with 7x19 stranded cable.	37.46	
13 48 63 00-0024 EA 1/8" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-1..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	35.80	
13 48 63 00-0025 EA 3/16" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-2..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	50.14	
13 48 63 00-0026 EA 1/4" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-3..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	68.22	
13 48 63 00-0027 EA Seismic Rod Clamp; Mason SRC-1 Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.	15.25	
13 48 63 00-0028 EA Seismic Rod Clamp; Mason SRC-1 1/2..... Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.	18.58	
13 48 63 00-0029 EA Seismic Rod Clamp; Mason SRC-2..... Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.	23.15	

END OF SECTION 13

13 Special Construction

13 40 Integrated Construction

13 48 Sound, Vibration, And Seismic Control



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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14 Conveying Equipment

14 01 Operation And Maintenance Of Conveying Equipment ⁽¹⁴⁾

14 01 20 Operation And Maintenance Of Elevators ^(14 01)

14 01 20 71 Elevator Rehabilitation ^(14 01 20)

14 01 20 71-0001 Elevator Maintenance ^(14 01 20 71)

14 01 20 71-0002	EA	Regular Elevator Inspection, Electric Up To 10 Floors (Sufficient For Issue Of Certificate/Permit)	652.12	
14 01 20 71-0003	EA	Regular Elevator Inspection, Electric Over 10 Floors (Sufficient For Issue Of Certificate/Permit)	815.16	
14 01 20 71-0004	EA	Regular Elevator Inspection, Hydraulic (Sufficient For Issue Of Certificate/Permit)	489.10	
14 01 20 71-0005	EA	Regular Elevator Inspection, Roped Hydraulic (Sufficient For Issue Of Certificate/Permit)	529.85	
14 01 20 71-0006	EA	Regular Elevator Inspection, Dumbwaiters/Cart Lifts (Sufficient For Issue Of Certificate/Permit)	142.66	
14 01 20 71-0007	HR	Elevator Servicing, Labor Only	106.33	
14 01 20 71-0008	EA	Full Load Test For Traction And Winding Drum Elevator Up To 10 Floors	582.64	
14 01 20 71-0009	EA	Full Load Test For Traction And Winding Drum Elevator Over 10 Floors	664.16	
14 01 20 71-0010	EA	Full Load Test For Hydraulic Elevator	419.61	
14 01 20 71-0011	EA	Full Load Test For Roped Hydraulic Elevator	521.50	
14 01 20 71-0012	EA	Full Load Test For Dumbwaiters/Cart Lifts	480.75	
14 01 20 71-0013	EA	Acceptance Test Of Traction And Winding Drum Elevator Up To 10 Floors	2,445.48	
14 01 20 71-0014	EA	Acceptance Test Of Traction And Winding Drum Elevator Over 10 Floors	2,690.02	
14 01 20 71-0015	EA	Acceptance Test Of Hydraulic Elevator	2,323.20	
14 01 20 71-0016	EA	Acceptance Test Of Roped Hydraulic Elevator	2,404.72	
14 01 20 71-0017	EA	Acceptance Test Of Dumbwaiters/Cart Lifts	1,426.53	

14 01 20 71-0018 Elevator Modernization ^(14 01 20 71)

14 01 20 71-0019	EA	4" Piston (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	17,307.81	
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.		
		For Each Additional 50 FPM, Add	3,475.00	
		For Each Additional 500 LB, Add	3,475.00	
		For Each Additional Stop, Add	3,155.00	
		Note: Deduct if <3 stops.		
14 01 20 71-0020	EA	6" Piston (Hydraulic) Unit Up To 3 Stories (2,500 LB x 100 FPM)	21,342.82	
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.		
		For Each Additional 50 FPM, Add	3,475.00	
		For Each Additional 500 LB, Add	3,475.00	
		For Each Additional Stop, Add	3,155.00	
		Note: Deduct if <3 stops.		
14 01 20 71-0021	EA	8" Piston (Hydraulic) Unit Up To 3 Stories (3,000 LB x 100 FPM)	33,036.88	
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.		
		For Each Additional 50 FPM, Add	3,475.00	
		For Each Additional 500 LB, Add	3,475.00	
		For Each Additional Stop, Add	3,155.00	
		Note: Deduct if <3 stops.		
14 01 20 71-0022	EA	10" Piston (Hydraulic) Unit Up To 3 Stories (4,000 LB x 100 FPM)	45,890.68	
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.		
		For Each Additional 50 FPM, Add	3,475.00	
		For Each Additional 500 LB, Add	3,475.00	
		For Each Additional Stop, Add	3,155.00	
		Note: Deduct if <3 stops.		
14 01 20 71-0023	EA	12" Piston (Hydraulic) Unit Up To 3 Stories (6,000 LB x 100 FPM)	55,082.46	
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.		
		For Each Additional 50 FPM, Add	3,475.00	
		For Each Additional 500 LB, Add	3,475.00	
		For Each Additional Stop, Add	3,155.00	
		Note: Deduct if <3 stops.		
14 01 20 71-0024	EA	Replace Multi-Port Controller Valve System	7,683.03	
14 01 20 71-0025	SET	Car Roller Guide Assembly, Set Of Four	3,554.68	439.79
14 01 20 71-0026	EA	New Door Opening, Excluding Buildback	7,155.90	
14 01 20 71-0027	SF	Cab Flooring, Epoxy Aggregate Flooring	12.85	4.03
14 01 20 71-0028	SF	Cab Flooring, Aluminum Diamond Plate	32.82	5.86
14 01 20 71-0029	EA	Car Stop Electronic Leveling Device (Per Car)	3,550.76	293.19
14 01 20 71-0030	EA	Electronic Leveling Device At Stop (Per Stop)	779.33	109.95
14 01 20 71-0031	EA	Hoistway Door Hangers Set	684.45	109.95
14 01 20 71-0032	EA	Hoistway Door Closer Set	297.20	58.64
14 01 20 71-0033	EA	Hoistway Door Interlock Set	478.87	91.62
14 01 20 71-0034	EA	Fire Service Switch Controller	1,665.73	109.95
14 01 20 71-0035	EA	Car Door Operators With ADA Buzzer	6,627.69	146.59
14 01 20 71-0036	EA	Car Door Safety Edges (Infrared Proximity Type Edge)	4,789.69	146.59
14 01 20 71-0037	EA	Car Operating Panel (ADA, Fire, Position, Chime)	10,293.30	
14 01 20 71-0038	EA	Car Position LED Indicator And Cover Plate, Stainless Steel	434.16	51.31
14 01 20 71-0039	EA	Car Traveling Lanterns With Audible Signal	3,046.41	219.90
14 01 20 71-0040	EA	Hoistway Door Jam Floor Tags (Braille)	93.51	
14 01 20 71-0041	EA	Lobby Vandal Resistant Call Station	568.31	73.30
14 01 20 71-0042	EA	Car Voice Synthesized Floor Announcement Module	3,132.08	
14 01 20 71-0043	LF	Traveling Cable (140 Conductors, #16 AWG Type ETT)	14.36	5.50
14 01 20 71-0044	LF	Governor Cable	5.10	2.56
14 01 20 71-0045	EA	Cab Walls Coverings (3,500 LB, Rigid Stainless Steel)	9,754.00	586.39

14 Conveying Equipment
14 01 Operation And Maintenance Of Conveying Equipment
14 01 20 Operation And Maintenance Of Elevators



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01	20 71-0046	EA	Removal And Replacement Of Governor.....	4,507.89	
14 01	20 71-0047	EA	Removal And Replacement Of Car Station.....	6,514.49	
14 01	20 71-0048	EA	Removal And Replacement Of Telephone.....	2,706.12	
14 01	20 71-0049	EA	Removal And Replacement Of Lanterns.....	1,937.49	
14 01	20 71-0050	EA	Hall Call Buttons, Vandal Resistant	404.97	91.62
14 01	20 71-0051	EA	Hall Traveling Lanterns With Audible Signal	773.92	128.28
14 01	20 71-0052	EA	Add Raised Character (Braille) Signage To Control Panel	63.46	
14 01	20 71-0053	EA	Reprogram Existing Controller, Signal Fixtures	18,828.21	
14 01	20 71-0054	EA	New Walls And Platform, Plastic Laminate, For 5' x 7' Cab.....	6,772.53	366.49
14 01	20 71-0055	EA	New Walls And Platform, Plastic Laminate With Shell, For 5' x 7' Cab.....	9,664.38	439.79
14 01	20 71-0056	EA	Replace Elevator Or Hoistway Doors, Baked Enamel	8,292.82	513.08
14 01	20 71-0057	EA	Reopening Device, Manual.....	3,331.47	256.54
14 01	20 71-0058	EA	Reopening Device, Automatic.....	17,479.22	256.54
14 01	20 71-0059	EA	Elevator Pit Ladder	1,061.50	293.19
14 01	20 71-0060	EA	New Walls And Platform, Partial Cab Plastic Laminate, For 5' x 7' Cab	9,378.76	366.49
14 01	20 71-0061	LF	Replace Lifting Cable, 3/8" - Liftpack; Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5.....	10.89	5.50
14 01	20 71-0062	LF	Replace Lifting Cable, 1/2" - Liftpack; Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 8.0, EHS Traction Steel - 9.7.....	12.20	5.50
14 01	20 71-0063	LF	Replace Lifting Cable, 5/8" - Liftpack; Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4.....	13.90	5.50
14 01	20 71-0064	EA	Hydraulic Leak Detector And Alarm In Elevator Pit (Sensorcomm Inc).....	3,816.26	100.90
14 01	20 71-0065	LF	6" Wide Elevator Door Jamb Wrapped With 0.030" Stainless Steel	218.60	16.85
14 01	20 71-0066	LF	8" Wide Elevator Door Jamb Wrapped With 0.030" Stainless Steel	115.86	37.91
14 01	20 71-0067	LF	10" Wide Elevator Door Jamb Wrapped With 0.030" Stainless Steel	125.16	38.01
14 01	20 71-0068	LF	12" Wide Elevator Door Jamb Wrapped With 0.030" Stainless Steel	50.45	38.04
14 01	20 71-0069	EA	"RopeGripper" With Pumping Unit For Use On 4-7/8" Maximum Out To Out Of Cable	4,731.67	605.41
14 01	20 71-0070	EA	"RopeGripper" With Pumping Unit For Use On 6" Maximum Out To Out Of Cable	6,302.89	706.30
14 01	20 71-0071	EA	"RopeGripper" With Pumping Unit For Use On 10" Maximum Out To Out Of Cable	8,385.19	807.21
14 01	20 71-0072	EA	"RopeGripper" With Pumping Unit For Use On 11-1/2" Maximum Out To Out Of Cable	9,389.13	857.66
14 01	20 71-0073	EA	60 Amp Bussmann Power Module Switch, 480 - 120 Volt CPT, Firesafety Interface Relay, Mechanical Interlock.....	2,680.58	100.90
14 01	20 71-0074	EA	100 Amp Bussmann Power Module Switch, 480 - 120 Volt CPT, Firesafety Interface Relay, Mechanical Interlock.....	3,079.26	121.08
14 01	20 71-0075	EA	200 Amp Bussmann Power Module Switch, 480 - 120 Volt CPT, Firesafety Interface Relay, Mechanical Interlock.....	4,120.88	141.26
14 01	20 71-0076	EA	Aluminum Handrail Spacers With Set Screw	21.45	4.08
14 01	20 71-0077	EA	Bronze Handrail Spacers With Set Screw.....	35.85	4.08
14 01	20 71-0078	LF	1/2" x 2" Obround Stainless Steel Elevator Handrail.....	48.22	3.05
14 01	20 71-0079	LF	3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	67.06	3.05
14 01	20 71-0080	LF	3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	90.74	3.26
14 01	20 71-0081	LF	3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	105.85	3.05
14 01	20 71-0082	LF	3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	128.42	3.26
14 01	20 71-0083	LF	3/8" x 2" Flat Bar Bronze Elevator Handrail, Brushed Finish	82.58	3.05
14 01	20 71-0084	LF	3/8" x 3" Flat Bar Bronze Elevator Handrail, Brushed Finish	106.26	3.26
14 01	20 71-0085	LF	3/8" x 2" Flat Bar Bronze Elevator Handrail, Mirror Finish	113.61	3.05
14 01	20 71-0086	LF	3/8" x 3" Flat Bar Bronze Elevator Handrail, Mirror Finish	137.29	3.26
14 01	20 71-0087	LF	3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	71.11	3.05
14 01	20 71-0088	LF	3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	77.70	3.05
14 01	20 71-0089	LF	3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	104.48	3.26
14 01	20 71-0090	LF	3/8" x 3" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	117.67	3.26
14 01	20 71-0091	LF	3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	109.73	3.05
14 01	20 71-0092	LF	3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	117.26	3.05
14 01	20 71-0093	LF	3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	136.51	3.26
14 01	20 71-0094	LF	3/8" x 3" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	149.70	3.26
14 01	20 71-0095	LF	3/8" x 1-1/2" Diameter Tubular Bronze Elevator Handrail, Brushed Finish	82.58	3.05
14 01	20 71-0096	LF	3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Brushed Finish	90.33	3.05
14 01	20 71-0097	LF	3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Brushed Finish	121.77	3.26
14 01	20 71-0098	LF	3/8" x 3" Diameter Tubular Bronze Elevator Handrail, Brushed Finish	137.29	3.26
14 01	20 71-0099	LF	3/8" x 1-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	128.01	3.05
14 01	20 71-0100	LF	3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	136.88	3.05
14 01	20 71-0101	LF	3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	159.45	3.26
14 01	20 71-0102	LF	3/8" x 3" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	174.97	3.26

14 01 30 Operation And Maintenance Of Escalators And Moving Walks

14 01 30 71 Escalators and Moving Walks Rehabilitation (14 01 30 71)

14 01 30 71-0001 Maintenance (14 01 30 71)

14 01	30 71-0002	EA	Regular Escalator Inspection (Sufficient For Issue Of Certificate/Permit).....	489.10	
14 01	30 71-0003	HR	Escalator Servicing, Labor Only.....	81.52	
14 01	30 71-0004	EA	Acceptance Test Of Escalators And Moving Walks	2,690.02	

14 01 30 71-0005 Modernization (14 01 30 71)

14 01	30 71-0006	EA	Replace 28" Wide Escalator Stair Tread.....	1,534.24	
14 01	30 71-0007	EA	Replace 36" Wide Escalator Stair Tread.....	1,662.44	
14 01	30 71-0008	EA	Replace 48" Wide Escalator Stair Tread.....	1,761.78	
14 01	30 71-0009	EA	Replace 54" Wide Escalator Stair Tread.....	1,910.08	
14 01	30 71-0010	LF	Replace Sliding Handrail.....	138.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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14 20 Elevators ⁽¹⁴⁾

Note: Excludes final electrical work or shaft walls.

14 21 Electric Traction Elevators ^(14 20)

14 21 13 Electric Traction Freight Elevators ^(14 21)

14 21 13 00-0001 Manual Control Freight Elevators ^(14 21 13)

Note: Automatic leveling, A.C. rheostatic. Painted metal shaft doors and steel painted cab. Unit prices are based on a shaft of 6 stops and 6 openings with power doors.

14 21 13 00-0002	EA Manual Control Freight Elevator, 3,500 LB x 50 FPM..... <i>For Elevator With Manual Door, Deduct</i> <i>For Variable Voltage Control, Add</i> <i>For Each Additional Stop, Add</i> Note: Deduct if <6 stops. <i>For Each Opening With Stainless Steel Doors, Add</i> <i>For Each Opening With Bi-Parting Doors, Add</i> <i>For Stainless Steel Cab Interior, Add</i> <i>For Class "B" Loading, Add</i> <i>For Class "C-1" Loading, Add</i> <i>For Class "C-2" Loading, Add</i> <i>For Class "C-3" Loading, Add</i> <i>For Each Additional 500 Lb., Add</i> <i>For Each Additional 50 FPM, Add</i> <i>For Each Additional Stop, Add</i> Note: Deduct if <6 stops.	281,448.34 -39,315.42 26,210.28 4,500.00 1,610.00 894.00 12,887.00 1,400.00 3,350.00 3,790.00 5,175.00 3,475.00 3,475.00 5,263.00	9,672.79
14 21 13 00-0003	EA Manual Control Freight Elevator, 4,000 LB x 50 FPM..... <i>For Elevator With Manual Door, Deduct</i> <i>For Variable Voltage Control, Add</i> <i>For Each Additional Stop, Add</i> Note: Deduct if <6 stops. <i>For Each Opening With Stainless Steel Doors, Add</i> <i>For Each Opening With Bi-Parting Doors, Add</i> <i>For Stainless Steel Cab Interior, Add</i> <i>For Class "B" Loading, Add</i> <i>For Class "C-1" Loading, Add</i> <i>For Class "C-2" Loading, Add</i> <i>For Class "C-3" Loading, Add</i> <i>For Each Additional 500 Lb., Add</i> <i>For Each Additional 50 FPM, Add</i> <i>For Each Additional Stop, Add</i> Note: Deduct if <6 stops.	282,844.29 -39,472.84 26,315.22 4,500.00 1,610.00 894.00 12,887.00 1,400.00 3,350.00 3,790.00 5,175.00 3,475.00 3,475.00 5,263.00	9,846.00
14 21 13 00-0004	EA Manual Control Freight Elevator, 5,000 LB x 50 FPM..... <i>For Elevator With Manual Door, Deduct</i> <i>For Variable Voltage Control, Add</i> <i>For Each Additional Stop, Add</i> Note: Deduct if <6 stops. <i>For Each Opening With Stainless Steel Doors, Add</i> <i>For Each Opening With Bi-Parting Doors, Add</i> <i>For Stainless Steel Cab Interior, Add</i> <i>For Class "B" Loading, Add</i> <i>For Class "C-1" Loading, Add</i> <i>For Class "C-2" Loading, Add</i> <i>For Class "C-3" Loading, Add</i> <i>For Each Additional 500 Lb., Add</i> <i>For Each Additional 50 FPM, Add</i> <i>For Each Additional Stop, Add</i> Note: Deduct if <6 stops.	287,020.80 -39,787.36 26,524.91 4,500.00 1,610.00 894.00 12,887.00 1,400.00 3,350.00 3,790.00 5,175.00 3,475.00 3,475.00 5,263.00	10,885.89
14 21 13 00-0005	EA Manual Control Freight Elevator, 3,500 LB x 100 FPM..... <i>For Elevator With Manual Door, Deduct</i> <i>For Variable Voltage Control, Add</i> <i>For Each Additional Stop, Add</i> Note: Deduct if <6 stops. <i>For Each Opening With Stainless Steel Doors, Add</i> <i>For Each Opening With Bi-Parting Doors, Add</i> <i>For Stainless Steel Cab Interior, Add</i> <i>For Class "B" Loading, Add</i> <i>For Class "C-1" Loading, Add</i> <i>For Class "C-2" Loading, Add</i> <i>For Class "C-3" Loading, Add</i> <i>For Each Additional 500 Lb., Add</i> <i>For Each Additional 50 FPM, Add</i> <i>For Each Additional Stop, Add</i> Note: Deduct if <6 stops.	291,839.06 -40,573.51 27,049.01 4,500.00 1,610.00 894.00 12,887.00 1,400.00 3,350.00 3,790.00 5,175.00 3,475.00 3,475.00 5,263.00	10,674.49

14 Conveying Equipment**14 20 Elevators****14 21 Electric Traction Elevators**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 13 00-0006 EA Manual Control Freight Elevator, 4,000 LB x 100 FPM.....	294,145.18	10,779.16
For Elevator With Manual Door, Deduct	-40,888.03	
For Variable Voltage Control, Add	27,258.69	
For Each Additional Stop, Add	4,500.00	
Note: Deduct if <6 stops.		
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Bi-Parting Doors, Add	894.00	
For Stainless Steel Cab Interior, Add	12,887.00	
For Class "B" Loading, Add	1,400.00	
For Class "C-1" Loading, Add	3,350.00	
For Class "C-2" Loading, Add	3,790.00	
For Class "C-3" Loading, Add	5,175.00	
For Each Additional 500 Lb., Add	3,475.00	
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional Stop, Add	5,263.00	
Note: Deduct if <6 stops.		
14 21 13 00-0007 EA Manual Control Freight Elevator, 5,000 LB x 100 FPM.....	298,413.35	11,864.78
For Elevator With Manual Door, Deduct	-41,202.56	
For Variable Voltage Control, Add	27,468.37	
For Each Additional Stop, Add	4,500.00	
Note: Deduct if <6 stops.		
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Bi-Parting Doors, Add	894.00	
For Stainless Steel Cab Interior, Add	12,887.00	
For Class "B" Loading, Add	1,400.00	
For Class "C-1" Loading, Add	3,350.00	
For Class "C-2" Loading, Add	3,790.00	
For Class "C-3" Loading, Add	5,175.00	
For Each Additional 500 Lb., Add	3,475.00	
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional Stop, Add	5,263.00	
Note: Deduct if <6 stops.		
14 21 13 00-0008 EA Manual Control Freight Elevator, 3,500 LB x 200 FPM.....	295,185.94	11,614.17
For Elevator With Manual Door, Deduct	-40,793.64	
For Variable Voltage Control, Add	27,195.76	
For Each Additional Stop, Add	4,500.00	
Note: Deduct if <6 stops.		
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Bi-Parting Doors, Add	894.00	
For Stainless Steel Cab Interior, Add	12,887.00	
For Class "B" Loading, Add	1,400.00	
For Class "C-1" Loading, Add	3,350.00	
For Class "C-2" Loading, Add	3,790.00	
For Class "C-3" Loading, Add	5,175.00	
For Each Additional 500 Lb., Add	3,475.00	
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional Stop, Add	5,263.00	
Note: Deduct if <6 stops.		
14 21 13 00-0009 EA Manual Control Freight Elevator, 4,000 LB x 200 FPM.....	295,815.19	11,614.17
For Elevator With Manual Door, Deduct	-40,888.03	
For Variable Voltage Control, Add	27,258.69	
For Each Additional Stop, Add	4,500.00	
Note: Deduct if <6 stops.		
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Bi-Parting Doors, Add	894.00	
For Stainless Steel Cab Interior, Add	12,887.00	
For Class "B" Loading, Add	1,400.00	
For Class "C-1" Loading, Add	3,350.00	
For Class "C-2" Loading, Add	3,790.00	
For Class "C-3" Loading, Add	5,175.00	
For Each Additional 500 Lb., Add	3,475.00	
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional Stop, Add	5,263.00	
Note: Deduct if <6 stops.		
14 21 13 00-0010 EA Manual Control Freight Elevator, 5,000 LB x 200 FPM.....	302,855.00	13,037.26
For Elevator With Manual Door, Deduct	-41,517.08	
For Variable Voltage Control, Add	27,678.05	
For Each Additional Stop, Add	4,500.00	
Note: Deduct if <6 stops.		
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Bi-Parting Doors, Add	894.00	
For Stainless Steel Cab Interior, Add	12,887.00	
For Class "B" Loading, Add	1,400.00	
For Class "C-1" Loading, Add	3,350.00	
For Class "C-2" Loading, Add	3,790.00	
For Class "C-3" Loading, Add	5,175.00	
For Each Additional 500 Lb., Add	3,475.00	
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional Stop, Add	5,263.00	
Note: Deduct if <6 stops.		

14 24 Hydraulic Elevators (14 20)

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

14 24 13 Hydraulic Freight Elevators (14 24)



Conveying Equipment	14
Elevators	14 20
Hydraulic Elevators	14 24

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0001 Hydraulic Freight Elevators <small>(14 24 13)</small> Note: Painted metal shaft doors and steel painted cab. Unit prices are based on a shaft of 3 stops and 3 openings with power doors. See CSI section 14 24 13 00-0011 for drilling piston hole.		
14 24 13 00-0002 EA Hydraulic Freight Elevator, 3,000 LB x 50 FPM	123,485.22	6,176.84
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,263.00	
Note: Deduct if <3 stops.		
For Elevator With Manual Door, Deduct	-11,113.16	
For Class "B" Loading, Add	1,235.00	
For Class "C-1" Loading, Add	2,935.00	
For Class "C-2" Loading, Add	3,530.00	
For Class "C-3" Loading, Add	4,800.00	
14 24 13 00-0003 EA Hydraulic Freight Elevator, 4,000 LB x 50 FPM	134,809.37	6,596.84
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,263.00	
Note: Deduct if <3 stops.		
For Elevator With Manual Door, Deduct	-12,161.57	
For Class "B" Loading, Add	1,235.00	
For Class "C-1" Loading, Add	2,935.00	
For Class "C-2" Loading, Add	3,530.00	
For Class "C-3" Loading, Add	4,800.00	
14 24 13 00-0004 EA Hydraulic Freight Elevator, 6,000 LB x 50 FPM	156,384.83	6,900.44
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,263.00	
Note: Deduct if <3 stops.		
For Elevator With Manual Door, Deduct	-14,258.39	
For Class "B" Loading, Add	1,235.00	
For Class "C-1" Loading, Add	2,935.00	
For Class "C-2" Loading, Add	3,530.00	
For Class "C-3" Loading, Add	4,800.00	
14 24 13 00-0005 EA Hydraulic Freight Elevator, 3,000 LB x 100 FPM	138,303.34	6,246.99
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,263.00	
Note: Deduct if <3 stops.		
For Elevator With Manual Door, Deduct	-12,580.93	
For Class "B" Loading, Add	1,235.00	
For Class "C-1" Loading, Add	2,935.00	
For Class "C-2" Loading, Add	3,530.00	
For Class "C-3" Loading, Add	4,800.00	

14 Conveying Equipment**14 20 Elevators****14 24 Hydraulic Elevators**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24	13 00-0006	EA	Hydraulic Freight Elevator, 4,000 LB x 100 FPM.....	147,550.55	6,676.95
			For Each Additional Stop, Add	5,262.00	
			Note: Deduct if <3 stops.		
			For Each Opening With Bonderized Steel Door, Add	148.00	
			For Each Opening With Stainless Steel Doors, Add	1,610.00	
			For Each Opening With Two Speed Doors, Add	536.00	
			For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
			For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
			For Stainless Steel Cab Interior, Add	12,887.00	
			For Each Additional 50 FPM, Add	3,475.00	
			For Each Additional 500 LB, Add	3,475.00	
			For Each Additional Stop, Add	5,263.00	
			Note: Deduct if <3 stops.		
			For Elevator With Manual Door, Deduct	-13,419.66	
			For Class "B" Loading, Add	1,235.00	
			For Class "C-1" Loading, Add	2,935.00	
			For Class "C-2" Loading, Add	3,530.00	
			For Class "C-3" Loading, Add	4,800.00	
14 24	13 00-0007	EA	Hydraulic Freight Elevator, 6,000 LB x 100 FPM.....	171,417.96	7,078.19
			For Each Additional Stop, Add	5,262.00	
			Note: Deduct if <3 stops.		
			For Each Opening With Bonderized Steel Door, Add	148.00	
			For Each Opening With Stainless Steel Doors, Add	1,610.00	
			For Each Opening With Two Speed Doors, Add	536.00	
			For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
			For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
			For Stainless Steel Cab Interior, Add	12,887.00	
			For Each Additional 50 FPM, Add	3,475.00	
			For Each Additional 500 LB, Add	3,475.00	
			For Each Additional Stop, Add	5,263.00	
			Note: Deduct if <3 stops.		
			For Elevator With Manual Door, Deduct	-15,726.17	
			For Class "B" Loading, Add	1,235.00	
			For Class "C-1" Loading, Add	2,935.00	
			For Class "C-2" Loading, Add	3,530.00	
			For Class "C-3" Loading, Add	4,800.00	
14 24	13 00-0008	EA	Hydraulic Freight Elevator, 3,000 LB x 150 FPM.....	150,884.27	6,246.99
			For Each Additional Stop, Add	5,262.00	
			Note: Deduct if <3 stops.		
			For Each Opening With Bonderized Steel Door, Add	148.00	
			For Each Opening With Stainless Steel Doors, Add	1,610.00	
			For Each Opening With Two Speed Doors, Add	536.00	
			For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
			For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
			For Stainless Steel Cab Interior, Add	12,887.00	
			For Each Additional 50 FPM, Add	3,475.00	
			For Each Additional 500 LB, Add	3,475.00	
			For Each Additional Stop, Add	5,263.00	
			Note: Deduct if <3 stops.		
			For Elevator With Manual Door, Deduct	-13,839.03	
			For Class "B" Loading, Add	1,235.00	
			For Class "C-1" Loading, Add	2,935.00	
			For Class "C-2" Loading, Add	3,530.00	
			For Class "C-3" Loading, Add	4,800.00	
14 24	13 00-0009	EA	Hydraulic Freight Elevator, 4,000 LB x 150 FPM.....	162,476.10	6,800.90
			For Each Additional Stop, Add	5,262.00	
			Note: Deduct if <3 stops.		
			For Each Opening With Bonderized Steel Door, Add	148.00	
			For Each Opening With Stainless Steel Doors, Add	1,610.00	
			For Each Opening With Two Speed Doors, Add	536.00	
			For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
			For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
			For Stainless Steel Cab Interior, Add	12,887.00	
			For Each Additional 50 FPM, Add	3,475.00	
			For Each Additional 500 LB, Add	3,475.00	
			For Each Additional Stop, Add	5,263.00	
			Note: Deduct if <3 stops.		
			For Elevator With Manual Door, Deduct	-14,887.44	
			For Class "B" Loading, Add	1,235.00	
			For Class "C-1" Loading, Add	2,935.00	
			For Class "C-2" Loading, Add	3,530.00	
			For Class "C-3" Loading, Add	4,800.00	



Conveying Equipment	14	14
Elevators	14 20	
Hydraulic Elevators	14 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0010 EA Hydraulic Freight Elevator, 6,000 LB x 150 FPM.....	184,277.70	7,217.53
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,263.00	
Note: Deduct if <3 stops.		
For Elevator With Manual Door, Deduct	-16,984.26	
For Class "B" Loading, Add	1,235.00	
For Class "C-1" Loading, Add	2,935.00	
For Class "C-2" Loading, Add	3,530.00	
For Class "C-3" Loading, Add	4,800.00	
14 24 13 00-0011 Hydraulic Elevators Piston Drilling (14 24 13)		
14 24 13 00-0012 VLF Up To 6" Diameter Piston Drilling	48.65	
Note: Includes casing.		
14 24 13 00-0013 VLF 8" To 10" Diameter Piston Drilling.....	57.56	
Note: Includes casing.		
14 24 13 00-0014 VLF 12" To 16" Diameter Piston Drilling.....	64.12	
Note: Includes casing.		
14 24 13 00-0015 VLF 18" Diameter Piston Drilling.....	72.77	
Note: Includes casing.		
14 24 23 Hydraulic Passenger Elevators (14 24)		
14 24 23 00-0001 Hydraulic Passenger Elevators (14 24 23)		
Note: Baked enamel shaft doors and plastic laminated trimmed cab, allowance of \$4000. Unit prices are based on a shaft of 3 stops and 3 openings. See CSI section 14 24 13 00-0011 for drilling piston hole.		
14 24 23 00-0002 EA Hydraulic Passenger Elevator, 2,000 LB x 50 FPM.....	102,028.17	5,932.39
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0003 EA Hydraulic Passenger Elevator, 2,500 LB x 50 FPM.....	106,710.64	6,176.84
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0004 EA Hydraulic Passenger Elevator, 3,000 LB x 50 FPM.....	115,990.95	6,623.30
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0005 EA Hydraulic Passenger Elevator, 2,000 LB x 100 FPM.....	111,951.64	6,176.84
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	

14 Conveying Equipment**14 20 Elevators****14 24 Hydraulic Elevators**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0006 EA Hydraulic Passenger Elevator, 2,500 LB x 100 FPM	118,276.63	6,717.78
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0007 EA Hydraulic Passenger Elevator, 3,000 LB x 100 FPM	124,363.09	7,139.46
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0008 EA Hydraulic Passenger Elevator, 2,000 LB x 150 FPM	120,481.41	6,246.99
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0009 EA Hydraulic Passenger Elevator, 2,500 LB x 150 FPM	131,487.79	7,032.89
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0010 EA Hydraulic Passenger Elevator, 3,000 LB x 150 FPM	141,553.58	7,872.15
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0011 Twin Jack Holeless Hydraulic Passenger Elevator ^(14 24 23)		
Note: Baked enamel shaft doors and plastic laminated trimmed cab. Excludes flooring, shaft construction/alterations, pit or mechanical room construction. Connect to established utilities.		
14 24 23 00-0012 EA Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 3 Stops, 3 Openings.....	81,770.02	6,176.84
14 24 23 00-0013 EA Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 2 Stops, 2 Openings.....	61,035.55	5,277.47

14 30 Escalators And Moving Walks ⁽¹⁴⁾**14 31 Escalators ^(14 30)****14 31 00 00-0001 Escalators Stainless Steel Construction ^(14 31)**

Note: Prices are medians and are based on each moving stairway. Complete, includes all standard accessories and single microprocessor controlled electronic display sign packages, LED.

14 31 00 00-0002 EA Escalators Stainless Steel, 32" Wide x 12' Floor To Floor Height	198,588.30	8,062.80
14 31 00 00-0003 EA Escalators Stainless Steel, 32" Wide x 15' Floor To Floor Height	217,650.12	9,528.76
14 31 00 00-0004 EA Escalators Stainless Steel, 32" Wide x 18' Floor To Floor Height	236,489.81	10,994.74
14 31 00 00-0005 EA Escalators Stainless Steel, 32" Wide x 22' Floor To Floor Height	259,292.01	13,193.68
14 31 00 00-0006 EA Escalators Stainless Steel, 32" Wide x 25' Floor To Floor Height	286,921.91	14,659.64
14 31 00 00-0007 EA Escalators Stainless Steel, 36" Wide x 12' Floor To Floor Height	210,416.02	8,575.90
14 31 00 00-0008 EA Escalators Stainless Steel, 36" Wide x 15' Floor To Floor Height	230,809.61	10,261.75
14 31 00 00-0009 EA Escalators Stainless Steel, 36" Wide x 18' Floor To Floor Height	249,520.14	11,727.72
14 31 00 00-0010 EA Escalators Stainless Steel, 36" Wide x 22' Floor To Floor Height	278,313.91	14,732.94



Conveying Equipment		14
Escalators And Moving Walks		14 30
Escalators		14 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 31 00 00-0011 EA Escalators Stainless Steel, 36" Wide x 25' Floor To Floor Height.....	301,137.63	15,832.41
14 31 00 00-0012 EA Escalators Stainless Steel, 48" Wide x 12' Floor To Floor Height.....	222,393.39	9,088.98
14 31 00 00-0013 EA Escalators Stainless Steel, 48" Wide x 15' Floor To Floor Height.....	244,403.72	10,994.74
14 31 00 00-0014 EA Escalators Stainless Steel, 48" Wide x 18' Floor To Floor Height.....	262,092.46	12,460.70
14 31 00 00-0015 EA Escalators Stainless Steel, 48" Wide x 22' Floor To Floor Height.....	298,261.52	15,539.23
14 31 00 00-0016 EA Escalators Stainless Steel, 48" Wide x 25' Floor To Floor Height.....	317,048.19	17,005.19
14 31 00 00-0017 EA Escalator Fire Shutter Fusible Link.....	31,817.90	293.19

14 32 Moving Walks ^(14 30)

14 32 00 00-0001 Moving Sidewalks ^(14 32)

Note: Prices are medians. Includes safety rails.

14 32 00 00-0002 LF Moving Sidewalks, 28" Wide.....	1,858.24	175.91
<i>For Each LF Of Ramp Or Sloped Sections, Add</i>	<i>329.43</i>	
14 32 00 00-0003 LF Moving Sidewalks, 36" Wide.....	2,631.82	179.58
<i>For Each LF Of Ramp Or Sloped Sections, Add</i>	<i>483.27</i>	
14 32 00 00-0004 LF Moving Sidewalks, 48" Wide.....	3,009.96	186.91
<i>For Each LF Of Ramp Or Sloped Sections, Add</i>	<i>557.14</i>	
14 32 00 00-0005 LF Moving Sidewalks, 54" Wide.....	3,493.58	202.74
<i>For Each LF Of Ramp Or Sloped Sections, Add</i>	<i>650.06</i>	

14 40 Lifts ⁽¹⁴⁾

14 42 Wheelchair Lifts ^(14 40)

14 42 13 Inclined Wheelchair Lifts ^(14 42)

14 42 13 00-0001 Chair Lift-Stair Climber ^(14 42 13)

Note: Includes landing, rails, lifting device and gates.

14 42 13 00-0002 EA Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 LB Capacity.....	3,559.35	366.82
<i>Note: Includes top and bottom call button, safety chair, track, and power unit.</i>		

14 42 16 Vertical Wheelchair Lifts ^(14 42)

14 42 16 00-0001 Shorty Wheelchair Lift ^(14 42 16)

14 42 16 00-0002 EA 36" Vertical Travel Wheelchair Platform Scissor Lift.....	5,869.05	244.55
<i>Note: 1000 LB capacity. Includes handrails and manual ramp.</i>		
<i>For Accordion Safety Skirt, Add</i>	<i>998.00</i>	
<i>For Removable Handrails, Add</i>	<i>100.00</i>	
<i>For Power Operated Ramp, Add</i>	<i>885.00</i>	
14 42 16 00-0003 EA 42" Vertical Travel Wheelchair Platform Scissor Lift.....	5,869.05	244.55
<i>Note: 1000 LB capacity. Includes handrails and manual ramp.</i>		
<i>For 2,000 LB Capacity, Add</i>	<i>600.00</i>	
<i>For 3,000 LB Capacity, Add</i>	<i>1,000.00</i>	
<i>For 4,000 LB Capacity, Add</i>	<i>1,500.00</i>	
<i>For Accordion Safety Skirt, Add</i>	<i>998.00</i>	
<i>For Removable Handrails, Add</i>	<i>100.00</i>	
<i>For Power Operated Ramp, Add</i>	<i>885.00</i>	
14 42 16 00-0004 EA 70" Vertical Travel Wheelchair Platform Scissor Lift.....	8,032.01	326.07
<i>Note: 1000 LB capacity. Includes handrails and manual ramp.</i>		
<i>For 2,000 LB Capacity, Add</i>	<i>600.00</i>	
<i>For 3,000 LB Capacity, Add</i>	<i>1,000.00</i>	
<i>For 4,000 LB Capacity, Add</i>	<i>1,500.00</i>	
<i>For Accordion Safety Skirt, Add</i>	<i>998.00</i>	
<i>For Removable Handrails, Add</i>	<i>100.00</i>	
<i>For Power Operated Ramp, Add</i>	<i>885.00</i>	
14 42 16 00-0005 EA 84" Vertical Travel Wheelchair Platform Scissor Lift.....	9,032.01	326.07
<i>Note: 1000 LB capacity. Includes handrails and manual ramp.</i>		
<i>For 2,000 LB Capacity, Add</i>	<i>600.00</i>	
<i>For 3,000 LB Capacity, Add</i>	<i>1,000.00</i>	
<i>For 4,000 LB Capacity, Add</i>	<i>1,500.00</i>	
<i>For Accordion Safety Skirt, Add</i>	<i>998.00</i>	
<i>For Removable Handrails, Add</i>	<i>100.00</i>	
<i>For Power Operated Ramp, Add</i>	<i>885.00</i>	
14 42 16 00-0006 EA 18" Travel Wheelchair Incline Lift.....	11,199.26	652.12
<i>Note: 500 LB capacity, interior installation.</i>		

END OF SECTION 14

14	14	Conveying Equipment
	14 40	Lifts
	14 42	Wheelchair Lifts



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression ⁽²¹⁾

21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems ^(21 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

21 01 10 91 Water-Based Fire-Suppression Systems Restoration ^(21 01 10)

21 01 10 91-0001	EA	Relocate Sprinkler Head And Branch Piping ^(21 01 10 91)		
Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.				
21 01 10 91-0002	EA	Relocate Existing Sprinkler Head And Branch Piping.....	39.85	
Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.				
21 01 10 91-0003		Sprinkler Upgrades ^(21 01 10 91)		
21 01 10 91-0004	LF	Bleed Existing Lines Of Water.....	0.35	
21 01 10 91-0005	LF	Refill Existing Lines With Water.....	0.42	

21 01 30 Operation and Maintenance of Fire-Suppression Equipment ^(21 01)

21 01 30 91 Fire-Suppression Equipment Restoration ^(21 01 30)

21 01 30 91-0001		Inspection And Recharge ^(21 01 30 91)		
21 01 30 91-0002	EA	Inspection, CO2, Carbon Dioxide.....	142.78	
21 01 30 91-0003	LB	Refill/Recharge, CO2, Carbon Dioxide.....	1.46	
21 01 30 91-0004	EA	Inspection, Halon 1301.....	142.78	
21 01 30 91-0005	LB	Refill/Recharge, Halon 1301.....	34.93	
21 01 30 91-0006	EA	Inspection, WC, Wet Chemical.....	86.33	
21 01 30 91-0007	GAL	Refill/Recharge, WC, Wet Chemical.....	32.75	
21 01 30 91-0008	EA	Inspection, DC, Dry Chemical.....	86.33	
21 01 30 91-0009	LB	Refill/Recharge, DC, Dry Chemical.....	2.91	
21 01 30 91-0010	EA	Hydrostatic Testing, All Sizes, All Agents.....	26.56	
See CSI section 23 05 93 00-0046 for testing existing piping systems.				
21 01 30 91-0011	EA	Disarm/Arm System.....	46.49	

21 05 Common Work Results for Fire Suppression ⁽²¹⁾

21 05 13 Common Motor Requirements For Fire-Suppression Equipment ^(21 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

21 05 16 Expansion Fittings And Loops For Fire-Suppression Piping ^(21 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping ^(21 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

21 05 19 Meters And Gages For Fire-Suppression Systems ^(21 05)

21 05 19 00-0001 Fire Service Meter Cast Iron Housing ^(21 05 19)

21 05 19 00-0002	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	2,696.38	110.10
For >10 To 25, Deduct			-134.82	
For >25, Deduct			-390.68	
21 05 19 00-0003	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	5,487.67	184.58
For >10 To 25, Deduct			-274.38	
For >25, Deduct			-800.02	
21 05 19 00-0004	EA	6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	7,416.28	246.78
For >10 To 25, Deduct			-370.81	
For >25, Deduct			-1,081.49	
21 05 19 00-0005	EA	8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	9,670.43	315.31
For >10 To 25, Deduct			-483.52	
For >25, Deduct			-1,411.39	
21 05 19 00-0006	EA	10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	13,610.63	383.86
For >10 To 25, Deduct			-680.53	
For >25, Deduct			-1,993.61	

21 05 23 General-Duty Valves For Water-Based Fire-Suppression Piping ^(21 05)

See CSI section 23 05 23 00-0000 for valves.

21 05 29 Hangers And Supports For Fire-Suppression Piping And

21	21 Fire Suppression
	21 05 Common Work Results for Fire Suppression
	21 05 29 Hangers And Supports For Fire-Suppression Piping And Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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Equipment ^(21 05)

See CSI section 23 05 29 00-0000 for hangers and supports.

21 05 48 Vibration And Seismic Controls for Fire-Suppression Piping and Equipment ^(21 05)

21 05 48 13 Vibration Controls For Fire-Suppression Piping And Equipment ^(21 05 48)

See CSI section 23 05 48 13-0000 for vibration and seismic control.

21 05 53 Identification For Fire-Suppression Piping And Equipment ^(21 05)

See CSI section 23 05 53 00-0000 for identification.

21 07 Fire-Suppression Systems Insulation ⁽²¹⁾

21 07 19 Fire-Suppression Piping Insulation ^(21 07)

See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

21 10 Water-Based Fire-Suppression Systems ⁽²¹⁾

See CSI section 22 11 16 00-0345 for copper pipe, 22 11 16 00-0883 for CPVC pipe, 23 05 23 00-0044 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.

21 11 Facility Fire-Suppression Water-Service Piping ^(21 10)

21 11 19 Fire-Department Connections ^(21 11)

21 11 19 00-0001 Fire Department Connections ^(21 11 19)

21 11 19 00-0002	EA	4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	500.35	201.00
		<i>For Polished Chrome, Add</i>	24.48	
21 11 19 00-0003	EA	6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	680.59	251.25
		<i>For Polished Chrome, Add</i>	37.47	
21 11 19 00-0004	EA	4" x 3" x 3" Siamese Connection, Polished Brass	684.34	201.00
		<i>For Polished Chrome, Add</i>	47.47	
21 11 19 00-0005	EA	6" x 3" x 3" Siamese Connection, Polished Brass	896.42	251.25
		<i>For Polished Chrome, Add</i>	64.45	
21 11 19 00-0006	EA	6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass	949.18	251.25
		<i>For Polished Chrome, Add</i>	71.05	
21 11 19 00-0007	EA	Sidewalk Type Connection With Plug And Chain, Polished Brass	841.07	265.92
		<i>For Polished Chrome, Add</i>	54.79	
21 11 19 00-0008	EA	Wall Type Connection With Plug And Chain, Polished Brass	556.01	201.00
		<i>For Polished Chrome, Add</i>	31.44	

21 11 19 00-0009 Wall Type Indicator Post, Wheel Operated ^(21 11 19)

See CSI section 33 14 19 00-0001 for adjustable indicator post accessory for ground valves.

21 11 19 00-0010	EA	Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773)	915.78	184.58
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21 12 Fire-Suppression Standpipes ^(21 10)

21 12 13 Fire-Suppression Hoses And Nozzles ^(21 12)

21 12 13 00-0001 Fire Hose ^(21 12 13)

21 12 13 00-0002 Fire Hose Without Couplings ^(21 12 13 00-0001)

21 12 13 00-0003	LF	1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	1.81	1.33
21 12 13 00-0004	LF	2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.14	1.33
21 12 13 00-0005	LF	2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	1.91	1.33
21 12 13 00-0006	LF	3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.27	1.33
21 12 13 00-0007	LF	1-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	2.11	1.33
21 12 13 00-0008	LF	2-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	2.69	1.33
21 12 13 00-0009	LF	1-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	2.20	1.33
21 12 13 00-0010	LF	2-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	2.88	1.33

21 12 13 00-0011 Fire Hose With Aluminum Couplings ^(21 12 13 00-0001)

21 12 13 00-0012	LF	1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	2.93	0.73
21 12 13 00-0013	LF	2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	3.58	0.87
21 12 13 00-0014	LF	3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	5.57	0.87

21 12 13 00-0015 Fire Hose Accessories ^(21 12 13 00-0001)

21 12 13 00-0016	EA	Hose Coupling With 1-1/2" Pin Lug	67.55	21.91
21 12 13 00-0017	EA	Hose Coupling With 2-1/2" Pin Lug	96.20	24.57
21 12 13 00-0018	EA	1-1/2" x 10" Brass Straight Nozzle	44.40	17.27
21 12 13 00-0019	EA	2-1/2" x 12" Brass Straight Nozzle	78.66	17.27
21 12 13 00-0020	EA	1-1/2" Brass Fog Type Nozzle	63.90	17.27
21 12 13 00-0021	EA	2-1/2" Brass Fog Type Nozzle	88.20	17.27
21 12 13 00-0022	EA	1-1/2" Brass 100' Hose Rack	160.48	73.05
21 12 13 00-0023	EA	2-1/2" Brass 100' Hose Rack	206.12	73.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 12 23 Fire-Suppression Hose Valves (21 12)

21 12 23 00-0001 Standpipe Valves (21 12 23)

21 12 23 00-0002	EA 2-1/2" Fire Department Valve, Polished Brass With Plug And Chain.....	365.38	132.96
	<i>For Polished Chrome, Add</i>	24.60	
21 12 23 00-0003	EA 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass.....	559.53	132.90
	<i>For Polished Chrome, Add</i>	53.73	
21 12 23 00-0004	EA 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass.....	711.88	143.76
	<i>For Polished Chrome, Add</i>	74.10	
21 12 23 00-0005	EA 3" x 3" x 4" Fire Department Valve, Flush, Polished Brass.....	839.32	132.90
	<i>For Polished Chrome, Add</i>	95.69	
21 12 23 00-0006	EA 3" x 3" x 6" Fire Department Valve, Flush, Polished Brass.....	981.52	143.76
	<i>For Polished Chrome, Add</i>	114.55	
21 12 23 00-0007	EA 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass.....	529.80	132.90
	<i>For Polished Chrome, Add</i>	49.27	
21 12 23 00-0008	EA 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass.....	758.51	143.76
	<i>For Polished Chrome, Add</i>	81.10	
21 12 23 00-0009	EA 2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass.....	954.64	137.21
	<i>For Polished Chrome, Add</i>	89.61	
21 12 23 00-0010	EA 2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass.....	1,351.13	152.44
	<i>For Polished Chrome, Add</i>	134.42	
21 12 23 00-0011	EA 2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass.....	1,021.54	137.21
	<i>For Polished Chrome, Add</i>	97.64	
21 12 23 00-0012	EA 2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass.....	1,451.93	152.44
	<i>For Polished Chrome, Add</i>	146.51	
21 12 23 00-0013	EA 2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Square, Flush, Polished Brass.....	2,352.30	182.90
	<i>For Polished Chrome, Add</i>	207.51	

21 12 23 00-0014 Fire Hose Cabinet Angle Valves (21 12 23)

21 12 23 00-0015	EA 1-1/2" Fire Hose Angle Valve, Cast Brass.....	121.95	
21 12 23 00-0016	EA 2-1/2" Fire Hose Angle Valve, Cast Brass.....	206.08	29.88

21 12 29 Fire-Suppression Fire Hose Equipment (21 12)

21 12 29 00-0001 Standpipe And Fire Hose Equipment (21 12 29)

21 12 29 00-0002	EA 2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass.....	1,063.99	329.60
21 12 29 00-0003	EA Water Motor Gong.....	365.80	97.62
21 12 29 00-0004	EA Fire Riser Flow Switch (NFPA 13).....	257.76	11.36
21 12 29 00-0005	EA Water Flow Supervisory (Tammer) Switch Mounted On Valve.....	129.22	19.43
21 12 29 00-0006	EA Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe.....	212.00	59.79
21 12 29 00-0007	EA Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe.....	306.55	79.21
21 12 29 00-0008	EA Pressure-Type Water Flow Detector For >4" To 8" Pipe.....	469.70	89.67
21 12 29 00-0009	EA Vane-Type Water Flow Switch For Up To 2-1/2" Pipe.....	262.01	59.79
21 12 29 00-0010	EA Vane-Type Water Flow Switch For >2-1/2" To 4" Pipe.....	367.82	79.21
21 12 29 00-0011	EA Vane-Type Water Flow Switch For >4" To 8" Pipe.....	566.81	89.67

21 13 Fire-Suppression Sprinkler Systems (21 10)

21 13 13 Wet-Pipe Sprinkler Systems (21 13)

21 13 13 00-0001 Complete Wet-Pipe Sprinkler Systems (21 13 13)

Note: Includes complete design per NFPA 13, 13D or 13R and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.

21 13 13 00-0002 Light Hazard, Complete Wet-Pipe Sprinkler Systems (21 13 13 00-0001)

21 13 13 00-0003	EA Exposed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	260.72	
	Note: Includes branch pipe and fittings, supports and sprinkler heads.		
	<i>For Copper Pipe, Add</i>	30.59	
	<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-43.63	
	<i>For Up To 5, Add</i>	121.32	
	<i>For >5 To 10, Add</i>	77.70	
	<i>For >10 To 20, Add</i>	51.62	
	<i>For >20 To 40, Add</i>	21.55	
	<i>For >100 To 150, Deduct</i>	-26.07	
	<i>For >150, Deduct</i>	-52.14	
21 13 13 00-0004	EA Concealed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	348.60	
	Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
	<i>For Copper Pipe, Add</i>	39.75	
	<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-57.18	
	<i>For Up To 5, Add</i>	164.52	
	<i>For >5 To 10, Add</i>	107.34	
	<i>For >10 To 20, Add</i>	72.48	
	<i>For >20 To 40, Add</i>	29.97	
	<i>For >100 To 150, Deduct</i>	-34.86	
	<i>For >150, Deduct</i>	-69.72	

21	Fire Suppression
21 10	Water-Based Fire-Suppression Systems
21 13	Fire-Suppression Sprinkler Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0005			Ordinary Hazard, Complete Wet-Pipe Sprinkler Systems <small>(21 13 13 00-0001)</small>		
21 13 13 00-0006	EA		Exposed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....259.51 Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			<i>For Copper Pipe, Add</i>	30.51	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-43.49	
			<i>For Up To 5, Add</i>	120.63	
			<i>For >5 To 10, Add</i>	77.14	
			<i>For >10 To 20, Add</i>	51.19	
			<i>For >20 To 40, Add</i>	21.39	
			<i>For >100 To 150, Deduct</i>	-25.95	
			<i>For >150, Deduct</i>	-51.90	
21 13 13 00-0007	EA		Concealed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....345.35 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			<i>For Copper Pipe, Add</i>	39.43	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-56.69	
			<i>For Up To 5, Add</i>	162.89	
			<i>For >5 To 10, Add</i>	106.20	
			<i>For >10 To 20, Add</i>	71.66	
			<i>For >20 To 40, Add</i>	29.64	
			<i>For >100 To 150, Deduct</i>	-34.54	
			<i>For >150, Deduct</i>	-69.07	
21 13 13 00-0008			Extra Hazard, Complete Wet-Pipe Sprinkler Systems <small>(21 13 13 00-0001)</small>		
21 13 13 00-0009	EA		Exposed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head .....240.28 Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			<i>For Copper Pipe, Add</i>	28.21	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-40.22	
			<i>For Up To 5, Add</i>	111.79	
			<i>For >5 To 10, Add</i>	71.57	
			<i>For >10 To 20, Add</i>	47.54	
			<i>For >20 To 40, Add</i>	19.85	
			<i>For >100 To 150, Deduct</i>	-24.03	
			<i>For >150, Deduct</i>	-48.06	
21 13 13 00-0010	EA		Concealed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head .....320.33 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			<i>For Copper Pipe, Add</i>	36.52	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-52.54	
			<i>For Up To 5, Add</i>	151.19	
			<i>For >5 To 10, Add</i>	98.65	
			<i>For >10 To 20, Add</i>	66.62	
			<i>For >20 To 40, Add</i>	27.55	
			<i>For >100 To 150, Deduct</i>	-32.03	
			<i>For >150, Deduct</i>	-64.07	
21 13 13 00-0011			Wet-Pipe Sprinkler Components <small>(21 13 13)</small>		
			Note: Excludes hydraulic calculations.		
21 13 13 00-0012			Wet-Pipe Alarm Valves <small>(21 13 13 00-0011)</small>		
21 13 13 00-0013	EA		2" Wet-Pipe Alarm Valve.....1,152.69		508.31
21 13 13 00-0014	EA		3" Wet-Pipe Alarm Valve.....1,547.82		693.88
21 13 13 00-0015	EA		4" Wet-Pipe Alarm Valve.....2,509.72		971.44
21 13 13 00-0016	EA		6" Wet-Pipe Alarm Valve.....2,869.86		1,147.80
21 13 13 00-0017	EA		8" Wet-Pipe Alarm Valve.....4,029.11		1,262.57
21 13 13 00-0018			Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0011)</small>		
21 13 13 00-0019			Upright Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0018)</small>		
21 13 13 00-0020	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head .....43.24		17.93
			<i>For >100 To 500, Deduct</i>	-2.42	
			<i>For >500, Deduct</i>	-3.90	
21 13 13 00-0021	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head.....44.61		17.93
			<i>For >100 To 500, Deduct</i>	-2.59	
			<i>For >500, Deduct</i>	-4.15	
21 13 13 00-0022	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright White Wet Pipe Sprinkler Head .....45.48		17.93
			<i>For >100 To 500, Deduct</i>	-2.70	
			<i>For >500, Deduct</i>	-4.30	
21 13 13 00-0023	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head .....43.93		17.93
			<i>For >100 To 500, Deduct</i>	-2.50	
			<i>For >500, Deduct</i>	-4.02	
21 13 13 00-0024	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head.....45.34		17.93
			<i>For >100 To 500, Deduct</i>	-2.68	
			<i>For >500, Deduct</i>	-4.28	
21 13 13 00-0025	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Wet Pipe Sprinkler Head .....46.25		17.93
			<i>For >100 To 500, Deduct</i>	-2.79	
			<i>For >500, Deduct</i>	-4.44	
21 13 13 00-0026	EA		1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....52.84		17.93
			<i>For >100 To 500, Deduct</i>	-3.62	
			<i>For >500, Deduct</i>	-5.63	
21 13 13 00-0027	EA		1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....56.49		17.93
			<i>For >100 To 500, Deduct</i>	-4.07	
			<i>For >500, Deduct</i>	-6.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0028 EA 1/2" NPT Thread, 7/16" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	52.84 -3.62 -5.63	17.93
21 13 13 00-0029 EA 1/2" NPT Thread, 7/16" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	56.49 -4.07 -6.28	17.93
21 13 13 00-0030 EA 1/2" NPT Thread, 1/2" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	48.12 -3.03 -4.78	17.93
21 13 13 00-0031 EA 1/2" NPT Thread, 1/2" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	49.90 -3.25 -5.10	17.93
21 13 13 00-0032 EA 3/4" NPT Thread, 17/32" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	49.47 -2.86 -4.59	19.92
21 13 13 00-0033 EA 3/4" NPT Thread, 17/32" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	51.55 -3.12 -4.96	19.92
21 13 13 00-0034 EA 3/4" NPT Thread, 17/32" Orifice, Quick Response, Upright White Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	51.97 -3.18 -5.04	19.92
21 13 13 00-0035 EA 3/4" NPT Thread, 17/32" Orifice, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	49.47 -2.86 -4.59	19.92
21 13 13 00-0036 EA 3/4" NPT Thread, 17/32" Orifice, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	51.55 -3.12 -4.96	19.92
21 13 13 00-0037 EA 3/4" NPT Thread, 17/32" Orifice, Quick Response, 300 PSI Rated, Upright White Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	51.97 -3.18 -5.04	19.92
21 13 13 00-0038 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	47.18 -2.91 -4.61	17.93
21 13 13 00-0039 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	48.54 -3.08 -4.85	17.93
21 13 13 00-0040 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright White Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	48.80 -3.11 -4.90	17.93
21 13 13 00-0041 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	47.18 -2.91 -4.61	17.93
21 13 13 00-0042 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	48.54 -3.08 -4.85	17.93
21 13 13 00-0043 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright White Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	48.80 -3.11 -4.90	17.93
21 13 13 00-0044 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	48.80 -3.11 -4.90	17.93
21 13 13 00-0045 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	64.07 -4.69 -7.22	19.92
21 13 13 00-0046 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	65.63 -4.88 -7.50	19.92
21 13 13 00-0047 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Upright White Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	65.63 -4.88 -7.50	19.92
21 13 13 00-0048 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	53.51 -3.37 -5.31	19.92
21 13 13 00-0049 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	54.58 -3.50 -5.51	19.92
21 13 13 00-0050 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright White Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	54.58 -3.50 -5.51	19.92
21 13 13 00-0051 EA 1/2" NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	141.42 -14.69 -21.57	17.93
21 13 13 00-0052 EA 3/4" NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	155.81 -16.16 -23.73	19.92
21 13 13 00-0053 EA 1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	78.72 -6.85 -10.29	17.93
21 13 13 00-0054 EA 1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	95.06 -8.89 -13.23	17.93
21 13 13 00-0055 EA 1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	163.36 -17.43 -25.52	17.93

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0056	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	205.94	17.93
			<i>For >100 To 500, Deduct</i>	-22.75	
			<i>For >500, Deduct</i>	-33.18	
21 13 13 00-0057	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head.....	98.39	19.92
			<i>For >100 To 500, Deduct</i>	-8.98	
			<i>For >500, Deduct</i>	-13.39	
21 13 13 00-0058	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	98.88	19.92
			<i>For >100 To 500, Deduct</i>	-9.04	
			<i>For >500, Deduct</i>	-13.48	
21 13 13 00-0059			Conventional Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0018)</small>		
21 13 13 00-0060	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head.....	43.24	17.93
			<i>For >100 To 500, Deduct</i>	-2.42	
			<i>For >500, Deduct</i>	-3.90	
21 13 13 00-0061	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head.....	44.61	17.93
			<i>For >100 To 500, Deduct</i>	-2.59	
			<i>For >500, Deduct</i>	-4.15	
21 13 13 00-0062	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional White Wet Pipe Sprinkler Head.....	45.48	17.93
			<i>For >100 To 500, Deduct</i>	-2.70	
			<i>For >500, Deduct</i>	-4.30	
21 13 13 00-0063	EA		3/4" NPT Thread, 17/32" Orifice, Quick Response, Conventional Brass Wet Pipe Sprinkler Head.....	49.95	19.92
			<i>For >100 To 500, Deduct</i>	-2.92	
			<i>For >500, Deduct</i>	-4.67	
21 13 13 00-0064	EA		3/4" NPT Thread, 17/32" Orifice, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head.....	51.55	19.92
			<i>For >100 To 500, Deduct</i>	-3.12	
			<i>For >500, Deduct</i>	-4.96	
21 13 13 00-0065	EA		3/4" NPT Thread, 17/32" Orifice, Quick Response, Conventional White Wet Pipe Sprinkler Head.....	51.80	19.92
			<i>For >100 To 500, Deduct</i>	-3.15	
			<i>For >500, Deduct</i>	-5.01	
21 13 13 00-0066	EA		1/2" NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head.....	141.42	17.93
			<i>For >100 To 500, Deduct</i>	-14.69	
			<i>For >500, Deduct</i>	-21.57	
21 13 13 00-0067			Pendant Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0018)</small>		
			See CSI section 21 13 13 00-0203 for escutcheon for recessed pendent sprinkler head.		
21 13 13 00-0068	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head.....	43.24	17.93
			<i>For >100 To 500, Deduct</i>	-2.42	
			<i>For >500, Deduct</i>	-3.90	
21 13 13 00-0069	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head.....	44.61	17.93
			<i>For >100 To 500, Deduct</i>	-2.59	
			<i>For >500, Deduct</i>	-4.15	
21 13 13 00-0070	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Wet Pipe Sprinkler Head.....	45.48	17.93
			<i>For >100 To 500, Deduct</i>	-2.70	
			<i>For >500, Deduct</i>	-4.30	
21 13 13 00-0071	EA		3/4" NPT Thread, 17/32" Orifice, Quick Response, Pendent Brass Wet Pipe Sprinkler Head.....	49.47	19.92
			<i>For >100 To 500, Deduct</i>	-2.86	
			<i>For >500, Deduct</i>	-4.59	
21 13 13 00-0072	EA		3/4" NPT Thread, 17/32" Orifice, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	51.55	19.92
			<i>For >100 To 500, Deduct</i>	-3.12	
			<i>For >500, Deduct</i>	-4.96	
21 13 13 00-0073	EA		3/4" NPT Thread, 17/32" Orifice, Quick Response, Pendent White Wet Pipe Sprinkler Head.....	51.97	19.92
			<i>For >100 To 500, Deduct</i>	-3.18	
			<i>For >500, Deduct</i>	-5.04	
21 13 13 00-0074	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Brass Wet Pipe Sprinkler Head.....	47.18	17.93
			<i>For >100 To 500, Deduct</i>	-2.91	
			<i>For >500, Deduct</i>	-4.61	
21 13 13 00-0075	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Chrome Wet Pipe Sprinkler Head.....	48.54	17.93
			<i>For >100 To 500, Deduct</i>	-3.08	
			<i>For >500, Deduct</i>	-4.85	
21 13 13 00-0076	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent White Wet Pipe Sprinkler Head.....	48.80	17.93
			<i>For >100 To 500, Deduct</i>	-3.11	
			<i>For >500, Deduct</i>	-4.90	
21 13 13 00-0077	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head.....	47.18	17.93
			<i>For >100 To 500, Deduct</i>	-2.91	
			<i>For >500, Deduct</i>	-4.61	
21 13 13 00-0078	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head.....	48.54	17.93
			<i>For >100 To 500, Deduct</i>	-3.08	
			<i>For >500, Deduct</i>	-4.85	
21 13 13 00-0079	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Wet Pipe Sprinkler Head.....	48.80	17.93
			<i>For >100 To 500, Deduct</i>	-3.11	
			<i>For >500, Deduct</i>	-4.90	
21 13 13 00-0080	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead.....	47.18	17.93
			<i>For >100 To 500, Deduct</i>	-2.91	
			<i>For >500, Deduct</i>	-4.61	
21 13 13 00-0081	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead.....	48.54	17.93
			<i>For >100 To 500, Deduct</i>	-3.08	
			<i>For >500, Deduct</i>	-4.85	
21 13 13 00-0082	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Wet Pipe Sprinkler Head, Low Lead.....	48.80	17.93
			<i>For >100 To 500, Deduct</i>	-3.11	
			<i>For >500, Deduct</i>	-4.90	
21 13 13 00-0083	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead.....	43.24	17.93
			<i>For >100 To 500, Deduct</i>	-2.42	
			<i>For >500, Deduct</i>	-3.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0084 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant Chrome Wet Pipe Sprinkler Head, Low Lead <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	44.61 -2.59 -4.15	17.93
21 13 13 00-0085 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant White Wet Pipe Sprinkler Head, Low Lead <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	45.48 -2.70 -4.30	17.93
21 13 13 00-0086 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendant Brass Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	43.93 -2.50 -4.02	17.93
21 13 13 00-0087 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendant Chrome Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	44.90 -2.62 -4.20	17.93
21 13 13 00-0088 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendant White Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	45.77 -2.73 -4.35	17.93
21 13 13 00-0089 EA 3/4" NPT Thread, 17/32" Orifice, Quick Response, 300 PSI Rated, Pendant Brass Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	50.75 -3.02 -4.82	19.92
21 13 13 00-0090 EA 3/4" NPT Thread, 17/32" Orifice, Quick Response, 300 PSI Rated, Pendant Chrome Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	52.52 -3.24 -5.14	19.92
21 13 13 00-0091 EA 3/4" NPT Thread, 17/32" Orifice, Quick Response, 300 PSI Rated, Pendant White Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	52.52 -3.24 -5.14	19.92
21 13 13 00-0092 EA 1/2" NPT Thread, 1/2" Orifice, Quick Response, Pendant Brass Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	48.12 -3.03 -4.78	17.93
21 13 13 00-0093 EA 1/2" NPT Thread, 1/2" Orifice, Quick Response, Pendant Chrome Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	49.90 -3.25 -5.10	17.93
21 13 13 00-0094 EA 1/2" NPT Thread, 3/8" Orifice, Quick Response, Pendant Brass Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	52.57 -3.58 -5.58	17.93
21 13 13 00-0095 EA 1/2" NPT Thread, 3/8" Orifice, Quick Response, Pendant Chrome Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	55.49 -3.95 -6.10	17.93
21 13 13 00-0096 EA 1/2" NPT Thread, 7/16" Orifice, Quick Response, Pendant Brass Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	52.57 -3.58 -5.58	17.93
21 13 13 00-0097 EA 1/2" NPT Thread, 7/16" Orifice, Quick Response, Pendant Chrome Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	55.49 -3.95 -6.10	17.93
21 13 13 00-0098 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendant Brass Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	45.82 -2.74 -4.36	17.93
21 13 13 00-0099 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendant Chrome Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	47.35 -2.93 -4.64	17.93
21 13 13 00-0100 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendant White Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	48.15 -3.03 -4.78	17.93
21 13 13 00-0101 EA 3/4" NPT Thread, 17/32" Orifice, Quick Response, Extended Coverage, Pendant Brass Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	50.11 -2.94 -4.70	19.92
21 13 13 00-0102 EA 3/4" NPT Thread, 17/32" Orifice, Quick Response, Extended Coverage, Pendant Chrome Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	51.62 -3.13 -4.97	19.92
21 13 13 00-0103 EA 3/4" NPT Thread, 17/32" Orifice, Quick Response, Extended Coverage, Pendant White Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	53.09 -3.32 -5.24	19.92
21 13 13 00-0104 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendant Brass Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	46.68 -2.85 -4.52	17.93
21 13 13 00-0105 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendant Chrome Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	48.18 -3.03 -4.79	17.93
21 13 13 00-0106 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendant White Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	49.00 -3.14 -4.94	17.93
21 13 13 00-0107 EA 3/4" NPT Thread, 17/32" Orifice, Quick Response, 300 PSI Rated, Extended Coverage, Pendant Brass Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	50.75 -3.02 -4.82	19.92
21 13 13 00-0108 EA 3/4" NPT Thread, 17/32" Orifice, Quick Response, 300 PSI Rated, Extended Coverage, Pendant Chrome Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	52.33 -3.22 -5.10	19.92
21 13 13 00-0109 EA 3/4" NPT Thread, 17/32" Orifice, Quick Response, 300 PSI Rated, Extended Coverage, Pendant White Wet Pipe Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	53.85 -3.41 -5.38	19.92

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0110 EA 1/2" NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head .....70.55		17.93
For >100 To 500, Deduct	-5.83	
For >500, Deduct	-8.81	
21 13 13 00-0111 EA 1/2" NPT Thread, 1/2" Orifice, Decorative Pendent White Wet Pipe Sprinkler Head .....70.55		17.93
For >100 To 500, Deduct	-5.83	
For >500, Deduct	-8.81	
21 13 13 00-0112 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head .....55.07		19.92
For >100 To 500, Deduct	-3.56	
For >500, Deduct	-5.60	
21 13 13 00-0113 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head .....56.23		19.92
For >100 To 500, Deduct	-3.71	
For >500, Deduct	-5.80	
21 13 13 00-0114 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Pendent White Wet Pipe Sprinkler Head .....56.23		19.92
For >100 To 500, Deduct	-3.71	
For >500, Deduct	-5.80	
21 13 13 00-0115 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head .....53.51		19.92
For >100 To 500, Deduct	-3.37	
For >500, Deduct	-5.31	
21 13 13 00-0116 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head .....54.58		19.92
For >100 To 500, Deduct	-3.50	
For >500, Deduct	-5.51	
21 13 13 00-0117 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Pendent White Wet Pipe Sprinkler Head .....54.58		19.92
For >100 To 500, Deduct	-3.50	
For >500, Deduct	-5.51	
21 13 13 00-0118 EA 1/2" NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head .....141.42		17.93
For >100 To 500, Deduct	-14.69	
For >500, Deduct	-21.57	
21 13 13 00-0119 EA 3/4" NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head .....155.81		19.92
For >100 To 500, Deduct	-16.16	
For >500, Deduct	-23.73	
21 13 13 00-0120 EA 1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head .....78.72		17.93
For >100 To 500, Deduct	-6.85	
For >500, Deduct	-10.29	
21 13 13 00-0121 EA 1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head .....95.06		17.93
For >100 To 500, Deduct	-8.89	
For >500, Deduct	-13.23	
21 13 13 00-0122 EA 1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head .....163.36		17.93
For >100 To 500, Deduct	-17.43	
For >500, Deduct	-25.52	
21 13 13 00-0123 EA 1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head .....205.94		17.93
For >100 To 500, Deduct	-22.75	
For >500, Deduct	-33.18	
21 13 13 00-0124 EA 3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head .....98.39		19.92
For >100 To 500, Deduct	-8.98	
For >500, Deduct	-13.39	
21 13 13 00-0125 EA 3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head .....98.88		19.92
For >100 To 500, Deduct	-9.04	
For >500, Deduct	-13.48	
21 13 13 00-0126 Sidewall Wet-Pipe Sprinkler Heads (21 13 13 00-0018)		
21 13 13 00-0127 Horizontal Sidewall Wet-Pipe Sprinkler Heads (21 13 13 00-0126)		
21 13 13 00-0128 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....45.28		17.93
For >100 To 500, Deduct	-2.67	
For >500, Deduct	-4.27	
21 13 13 00-0129 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....46.37		17.93
For >100 To 500, Deduct	-2.81	
For >500, Deduct	-4.46	
21 13 13 00-0130 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Wet Pipe Sprinkler Head .....48.10		17.93
For >100 To 500, Deduct	-3.02	
For >500, Deduct	-4.77	
21 13 13 00-0131 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....45.90		17.93
For >100 To 500, Deduct	-2.75	
For >500, Deduct	-4.38	
21 13 13 00-0132 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....47.01		17.93
For >100 To 500, Deduct	-2.89	
For >500, Deduct	-4.58	
21 13 13 00-0133 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head .....48.77		17.93
For >100 To 500, Deduct	-3.11	
For >500, Deduct	-4.89	
21 13 13 00-0134 EA 1/2" NPT Thread, 1/2" Orifice, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....49.90		17.93
For >100 To 500, Deduct	-3.25	
For >500, Deduct	-5.10	
21 13 13 00-0135 EA 1/2" NPT Thread, 1/2" Orifice, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....51.68		17.93
For >100 To 500, Deduct	-3.47	
For >500, Deduct	-5.42	
21 13 13 00-0136 EA 3/4" NPT Thread, 17/32" Orifice, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....54.13		19.92
For >100 To 500, Deduct	-3.45	
For >500, Deduct	-5.43	
21 13 13 00-0137 EA 3/4" NPT Thread, 17/32" Orifice, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....56.79		19.92
For >100 To 500, Deduct	-3.78	
For >500, Deduct	-5.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0138 EA 1/2" NPT Thread, 3/8" Orifice, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	53.73 -3.73 -5.79	17.93
21 13 13 00-0139 EA 1/2" NPT Thread, 3/8" Orifice, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	55.49 -3.95 -6.10	17.93
21 13 13 00-0140 EA 1/2" NPT Thread, 7/16" Orifice, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	53.73 -3.73 -5.79	17.93
21 13 13 00-0141 EA 1/2" NPT Thread, 7/16" Orifice, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	55.49 -3.95 -6.10	17.93
21 13 13 00-0142 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	44.35 -2.56 -4.10	17.93
21 13 13 00-0143 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	45.25 -2.67 -4.26	17.93
21 13 13 00-0144 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	46.38 -2.81 -4.46	17.93
21 13 13 00-0145 EA 3/4" NPT Thread, 17/32" Orifice, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	48.74 -2.77 -4.46	19.92
21 13 13 00-0146 EA 3/4" NPT Thread, 17/32" Orifice, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	49.71 -2.89 -4.63	19.92
21 13 13 00-0147 EA 3/4" NPT Thread, 17/32" Orifice, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	50.75 -3.02 -4.82	19.92
21 13 13 00-0148 EA 3/4" NPT Thread, 17/32" Orifice, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	49.51 -2.87 -4.59	19.92
21 13 13 00-0149 EA 3/4" NPT Thread, 17/32" Orifice, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	50.51 -2.99 -4.77	19.92
21 13 13 00-0150 EA 3/4" NPT Thread, 17/32" Orifice, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	51.59 -3.13 -4.97	19.92
21 13 13 00-0151 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	51.61 -3.13 -4.97	19.92
21 13 13 00-0152 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	53.09 -3.32 -5.24	19.92
21 13 13 00-0153 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	53.09 -3.32 -5.24	19.92
21 13 13 00-0154 EA 1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	80.37 -7.06 -10.58	17.93
21 13 13 00-0155 EA 1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	80.37 -7.06 -10.58	17.93
21 13 13 00-0156 EA 1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	44.73 -2.60 -4.17	17.93
21 13 13 00-0157 EA 1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	44.73 -2.60 -4.17	17.93
21 13 13 00-0158 EA 1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	44.73 -2.60 -4.17	17.93
21 13 13 00-0159 Vertical Sidewall Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0126)</small>		
21 13 13 00-0160 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	46.70 -2.85 -4.52	17.93
21 13 13 00-0161 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	48.06 -3.02 -4.77	17.93
21 13 13 00-0162 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head..... <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	48.64 -3.09 -4.87	17.93
21 13 13 00-0163 Concealed Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0019)</small>		

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0164			Concealed Pendant Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0163)</small>		
21 13 13 00-0165	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead .....66.59	66.59	23.91
			Note: Excludes coverplate		
			For >100 To 500, Deduct	-4.34	
			For >500, Deduct	-6.81	
21 13 13 00-0166	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head.....50.63	50.63	23.91
			Note: Excludes coverplate		
			For >100 To 500, Deduct	-2.34	
			For >500, Deduct	-3.93	
21 13 13 00-0167	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head .....51.21	51.21	23.91
			Note: Excludes coverplate		
			For >100 To 500, Deduct	-2.42	
			For >500, Deduct	-4.04	
21 13 13 00-0168	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head.....62.45	62.45	25.90
			Note: Excludes coverplate		
			For >100 To 500, Deduct	-3.49	
			For >500, Deduct	-5.63	
21 13 13 00-0169	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head.....59.13	59.13	23.91
			Note: Excludes coverplate		
			For >100 To 500, Deduct	-3.41	
			For >500, Deduct	-5.46	
21 13 13 00-0170	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head.....59.13	59.13	23.91
			Note: Excludes coverplate		
			For >100 To 500, Deduct	-3.41	
			For >500, Deduct	-5.46	
21 13 13 00-0171	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....62.45	62.45	25.90
			Note: Excludes coverplate		
			For >100 To 500, Deduct	-3.49	
			For >500, Deduct	-5.63	
21 13 13 00-0172	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....55.39	55.39	23.91
			Note: Excludes coverplate		
			For >100 To 500, Deduct	-2.94	
			For >500, Deduct	-4.79	
21 13 13 00-0173	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....59.13	59.13	23.91
			Note: Excludes coverplate		
			For >100 To 500, Deduct	-3.41	
			For >500, Deduct	-5.46	
21 13 13 00-0174	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....59.13	59.13	23.91
			Note: Excludes coverplate		
			For >100 To 500, Deduct	-3.41	
			For >500, Deduct	-5.46	
21 13 13 00-0175	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....56.28	56.28	23.91
			Note: Excludes coverplate		
			For >100 To 500, Deduct	-3.05	
			For >500, Deduct	-4.95	
21 13 13 00-0176	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head.....88.03	88.03	27.89
			Note: Excludes coverplate		
			For >100 To 500, Deduct	-6.35	
			For >500, Deduct	-9.80	
21 13 13 00-0177	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head .....53.53	53.53	23.91
			Note: Excludes coverplate		
			For >100 To 500, Deduct	-2.71	
			For >500, Deduct	-4.45	
21 13 13 00-0178	EA		3/4" NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head .....56.61	56.61	25.90
			Note: Excludes coverplate		
			For >100 To 500, Deduct	-2.76	
			For >500, Deduct	-4.58	
21 13 13 00-0179	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head .....54.06	54.06	23.91
			Note: Excludes coverplate		
			For >100 To 500, Deduct	-2.77	
			For >500, Deduct	-4.55	
21 13 13 00-0180	EA		3/4" NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head .....57.38	57.38	25.90
			Note: Excludes coverplate		
			For >100 To 500, Deduct	-2.86	
			For >500, Deduct	-4.72	
21 13 13 00-0181	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head .....62.69	62.69	25.90
			Note: Excludes coverplate		
			For >100 To 500, Deduct	-3.52	
			For >500, Deduct	-5.67	
21 13 13 00-0182	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Coverplate .....100.14	100.14	27.89
			For >100 To 500, Deduct	-7.87	
			For >500, Deduct	-11.98	
21 13 13 00-0183	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Coverplate .....100.14	100.14	27.89
			For >100 To 500, Deduct	-7.87	
			For >500, Deduct	-11.98	

21 13 13 00-0184 **Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads** (21 13 13 00-0163)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0185 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	71.03	23.91
Note: Excludes coverplate		
For >100 To 500, Deduct	-4.89	
For >500, Deduct	-7.60	
21 13 13 00-0186 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	79.55	25.90
Note: Excludes coverplate		
For >100 To 500, Deduct	-5.63	
For >500, Deduct	-8.71	
21 13 13 00-0187 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	58.05	23.91
Note: Excludes coverplate		
For >100 To 500, Deduct	-3.27	
For >500, Deduct	-5.27	
21 13 13 00-0188 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	59.40	25.90
Note: Excludes coverplate		
For >100 To 500, Deduct	-3.11	
For >500, Deduct	-5.08	
21 13 13 00-0189 Institutional Tamper Resistant Wet-Pipe Sprinkler Heads (21 13 13 00-0018)		
21 13 13 00-0190 EA 1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head.....	153.99	
Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
For >100 To 500, Deduct	-15.93	
For >500, Deduct	-23.40	
21 13 13 00-0191 EA 1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	150.50	
Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
For >100 To 500, Deduct	-15.49	
For >500, Deduct	-22.77	
21 13 13 00-0192 EA 1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head.....	70.14	
For >100 To 500, Deduct	-5.45	
For >500, Deduct	-8.31	
21 13 13 00-0193 EA 1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	77.38	
For >100 To 500, Deduct	-6.35	
For >500, Deduct	-9.61	
21 13 13 00-0194 Wet-Pipe Sprinkler Head Accessories (21 13 13 00-0011)		
21 13 13 00-0195 Sprinkler Adjustable Steel Drop Nipple (21 13 13 00-0194)		
21 13 13 00-0196 EA 1" Male NPT x 1/2" Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150).....	27.69	8.25
For >100 To 500, Deduct	-2.09	
For >500, Deduct	-3.20	
21 13 13 00-0197 EA 1" Male NPT x 1/2" Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150).....	27.69	8.25
For >100 To 500, Deduct	-2.09	
For >500, Deduct	-3.20	
21 13 13 00-0198 EA 1" Male NPT x 1/2" Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150).....	27.97	8.25
For >100 To 500, Deduct	-2.12	
For >500, Deduct	-3.25	
21 13 13 00-0199 EA 1" Female NPT x 1/2" Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150).....	25.04	8.25
For >100 To 500, Deduct	-1.76	
For >500, Deduct	-2.72	
21 13 13 00-0200 EA 1" Female NPT x 1/2" Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150).....	25.04	8.25
For >100 To 500, Deduct	-1.76	
For >500, Deduct	-2.72	
21 13 13 00-0201 EA 1" Female NPT x 1/2" Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150).....	25.04	8.25
For >100 To 500, Deduct	-1.76	
For >500, Deduct	-2.72	
21 13 13 00-0202 EA 1" Female NPT x 3/4" Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175).....	27.88	8.96
For >100 To 500, Deduct	-1.99	
For >500, Deduct	-3.07	
21 13 13 00-0203 Sprinkler Head Escutcheon (21 13 13 00-0194)		
21 13 13 00-0204 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon.....	10.69	2.99
For >100 To 500, Deduct	-0.84	
For >500, Deduct	-1.28	
21 13 13 00-0205 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	7.81	2.99
For >100 To 500, Deduct	-0.48	
For >500, Deduct	-0.76	
21 13 13 00-0206 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....	7.81	2.99
For >100 To 500, Deduct	-0.48	
For >500, Deduct	-0.76	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0207	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon.....	10.69	2.99
			<i>For >100 To 500, Deduct</i>	-0.84	
			<i>For >500, Deduct</i>	-1.28	
21 13 13 00-0208	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	7.81	2.99
			<i>For >100 To 500, Deduct</i>	-0.48	
			<i>For >500, Deduct</i>	-0.76	
21 13 13 00-0209	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon.....	7.81	2.99
			<i>For >100 To 500, Deduct</i>	-0.48	
			<i>For >500, Deduct</i>	-0.76	
21 13 13 00-0210	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon.....	10.17	2.99
			<i>For >100 To 500, Deduct</i>	-0.77	
			<i>For >500, Deduct</i>	-1.18	
21 13 13 00-0211	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	7.81	2.99
			<i>For >100 To 500, Deduct</i>	-0.48	
			<i>For >500, Deduct</i>	-0.76	
21 13 13 00-0212	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....	7.81	2.99
			<i>For >100 To 500, Deduct</i>	-0.48	
			<i>For >500, Deduct</i>	-0.76	
21 13 13 00-0213	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	10.17	2.99
			<i>For >100 To 500, Deduct</i>	-0.77	
			<i>For >500, Deduct</i>	-1.18	
21 13 13 00-0214	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	7.81	2.99
			<i>For >100 To 500, Deduct</i>	-0.48	
			<i>For >500, Deduct</i>	-0.76	
21 13 13 00-0215	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon.....	7.81	2.99
			<i>For >100 To 500, Deduct</i>	-0.48	
			<i>For >500, Deduct</i>	-0.76	
21 13 13 00-0216	EA		3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon.....	10.43	2.99
			<i>For >100 To 500, Deduct</i>	-0.81	
			<i>For >500, Deduct</i>	-1.23	
21 13 13 00-0217	EA		3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon.....	10.43	2.99
			<i>For >100 To 500, Deduct</i>	-0.81	
			<i>For >500, Deduct</i>	-1.23	
21 13 13 00-0218	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon.....	4.48	2.19
			<i>For >100 To 500, Deduct</i>	-0.23	
			<i>For >500, Deduct</i>	-0.37	
21 13 13 00-0219	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	4.11	2.19
			<i>For >100 To 500, Deduct</i>	-0.18	
			<i>For >500, Deduct</i>	-0.31	
21 13 13 00-0220	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon.....	4.21	2.19
			<i>For >100 To 500, Deduct</i>	-0.19	
			<i>For >500, Deduct</i>	-0.33	
21 13 13 00-0221	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon.....	4.54	2.19
			<i>For >100 To 500, Deduct</i>	-0.24	
			<i>For >500, Deduct</i>	-0.39	
21 13 13 00-0222	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon	4.18	2.19
			<i>For >100 To 500, Deduct</i>	-0.19	
			<i>For >500, Deduct</i>	-0.32	
21 13 13 00-0223	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon.....	4.18	2.19
			<i>For >100 To 500, Deduct</i>	-0.19	
			<i>For >500, Deduct</i>	-0.32	
21 13 13 00-0224	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon.....	4.92	2.19
			<i>For >100 To 500, Deduct</i>	-0.28	
			<i>For >500, Deduct</i>	-0.45	
21 13 13 00-0225	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	4.17	2.19
			<i>For >100 To 500, Deduct</i>	-0.19	
			<i>For >500, Deduct</i>	-0.32	
21 13 13 00-0226	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon.....	4.17	2.19
			<i>For >100 To 500, Deduct</i>	-0.19	
			<i>For >500, Deduct</i>	-0.32	
21 13 13 00-0227	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon.....	6.66	3.07
			<i>For >100 To 500, Deduct</i>	-0.37	
			<i>For >500, Deduct</i>	-0.59	
21 13 13 00-0228	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon.....	6.47	3.07
			<i>For >100 To 500, Deduct</i>	-0.34	
			<i>For >500, Deduct</i>	-0.56	
21 13 13 00-0229	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon.....	6.53	3.07
			<i>For >100 To 500, Deduct</i>	-0.35	
			<i>For >500, Deduct</i>	-0.57	
21 13 13 00-0230	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon.....	6.73	3.07
			<i>For >100 To 500, Deduct</i>	-0.38	
			<i>For >500, Deduct</i>	-0.61	
21 13 13 00-0231	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon.....	6.53	3.07
			<i>For >100 To 500, Deduct</i>	-0.35	
			<i>For >500, Deduct</i>	-0.57	
21 13 13 00-0232	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon.....	6.66	3.07
			<i>For >100 To 500, Deduct</i>	-0.37	
			<i>For >500, Deduct</i>	-0.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0233 EA Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	12.81 -1.10 -1.66	2.99
21 13 13 00-0234 EA Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	12.81 -1.10 -1.66	2.99
21 13 13 00-0235 EA Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	12.81 -1.10 -1.66	2.99
21 13 13 00-0236 EA Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	12.81 -1.10 -1.66	2.99
21 13 13 00-0237 EA Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	12.81 -1.10 -1.66	2.99
21 13 13 00-0238 EA White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	12.81 -1.10 -1.66	2.99
21 13 13 00-0239 EA 2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	14.60 -1.33 -1.98	2.99
21 13 13 00-0240 EA 2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	15.01 -1.38 -2.05	2.99
21 13 13 00-0241 Coverplate For Sprinkler Heads <small>(21 13 13 00-0194)</small>		
21 13 13 00-0242 EA Chrome Coverplate For Concealed Pendent Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	28.92 -3.05 -4.47	3.39
21 13 13 00-0243 EA White Coverplate For Concealed Pendent Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	14.72 -1.28 -1.92	3.39
21 13 13 00-0244 EA Specialty Coverplate For Concealed Pendent Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	20.88 -2.05 -3.02	3.39
21 13 13 00-0245 EA Brass Coverplate For Concealed Sidewall Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	19.28 -1.85 -2.74	3.39
21 13 13 00-0246 EA Chrome Coverplate For Concealed Sidewall Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	15.66 -1.39 -2.08	3.39
21 13 13 00-0247 EA White Coverplate For Concealed Sidewall Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	15.66 -1.39 -2.08	3.39
21 13 13 00-0248 EA Off-White Coverplate For Concealed Sidewall Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	19.28 -1.85 -2.74	3.39
21 13 13 00-0249 EA Black Painted Coverplate For Concealed Sidewall Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	19.28 -1.85 -2.74	3.39
21 13 13 00-0250 EA Black Plated Coverplate For Concealed Sidewall Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	22.15 -2.20 -3.25	3.39
21 13 13 00-0251 EA Bright Brass Coverplate For Concealed Sidewall Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	22.15 -2.20 -3.25	3.39
21 13 13 00-0252 EA Satin Chrome Coverplate For Concealed Sidewall Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	22.15 -2.20 -3.25	3.39
21 13 13 00-0253 EA Specialty Coverplate For Concealed Sidewall Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	19.30 -1.85 -2.74	3.39
21 13 13 00-0254 EA White Coverplate For Quick Release Concealed Sidewall Sprinkler Head <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	32.23 -3.36 -4.94	3.98
21 13 13 00-0255 Sprinkler Escutcheon Extension Tube <small>(21 13 13 00-0194)</small>		
21 13 13 00-0256 EA 2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	7.82 -0.65 -0.98	1.99
21 13 13 00-0257 EA 2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	9.99 -0.90 -1.34	2.09
21 13 13 00-0258 EA 2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	12.40 -1.19 -1.76	2.19
21 13 13 00-0259 EA 2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	14.57 -1.44 -2.13	2.29

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0260			Sprinkler Head Guards ^(21 13 13 00-0194)		
21 13 13 00-0261	EA		Universal Sprinkler Head Guard, C-1.....	12.82	5.97
			<i>For >100 To 500, Deduct</i>	-0.61	
			<i>For >500, Deduct</i>	-1.01	
21 13 13 00-0262	EA		Dry Pendent Sprinkler Head Guard, C-2.....	13.93	5.97
			<i>For >100 To 500, Deduct</i>	-0.75	
			<i>For >500, Deduct</i>	-1.21	
21 13 13 00-0263	EA		Upright Sprinkler Head Guard With Water Shield, C-3.....	15.82	5.97
			<i>For >100 To 500, Deduct</i>	-0.98	
			<i>For >500, Deduct</i>	-1.55	
21 13 13 00-0264	EA		Pendent Sprinkler Head Guard With Water Shield, C-5.....	18.16	5.97
			<i>For >100 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.97	
21 13 13 00-0265	EA		Universal Sprinkler Head Guard, D-1.....	13.89	5.97
			<i>For >100 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-1.21	
21 13 13 00-0266	EA		Upright Sprinkler Head Guard With Water Shield, D-3.....	14.61	5.97
			<i>For >100 To 500, Deduct</i>	-0.83	
			<i>For >500, Deduct</i>	-1.34	
21 13 13 00-0267	EA		Pendent Sprinkler Head Guard With Large Water Shield, D-4.....	19.96	5.97
			<i>For >100 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-2.30	
21 13 13 00-0268	EA		Pendent Sprinkler Head Guard With Small Water Shield, D-5.....	18.89	5.97
			<i>For >100 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-2.11	
21 13 13 00-0269			Flexible Sprinkler Piping ^(21 13 13 00-0011)		
			Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.		
21 13 13 00-0270	EA		2' Long Stainless Steel Flexible Sprinkler Piping.....	41.55	10.29
			Note: Includes ceiling mounting bracket.		
			<i>For >100 To 500, Deduct</i>	-3.12	
			<i>For >500, Deduct</i>	-4.78	
21 13 13 00-0271	EA		3' Long Stainless Steel Flexible Sprinkler Piping.....	45.81	10.62
			Note: Includes ceiling mounting bracket.		
			<i>For >100 To 500, Deduct</i>	-3.54	
			<i>For >500, Deduct</i>	-5.41	
21 13 13 00-0272	EA		4' Long Stainless Steel Flexible Sprinkler Piping.....	50.18	11.29
			Note: Includes ceiling mounting bracket.		
			<i>For >100 To 500, Deduct</i>	-3.97	
			<i>For >500, Deduct</i>	-6.03	
21 13 13 00-0273	EA		5' Long Stainless Steel Flexible Sprinkler Piping.....	54.70	11.95
			Note: Includes ceiling mounting bracket.		
			<i>For >100 To 500, Deduct</i>	-4.40	
			<i>For >500, Deduct</i>	-6.67	
21 13 13 00-0274	EA		6' Long Stainless Steel Flexible Sprinkler Piping.....	59.39	13.29
			Note: Includes ceiling mounting bracket.		
			<i>For >100 To 500, Deduct</i>	-4.83	
			<i>For >500, Deduct</i>	-7.32	
21 13 16			Dry-Pipe Sprinkler Systems ^(21 13)		
21 13 16 00-0001			Complete Dry-Pipe Sprinkler Systems ^(21 13 16)		
			Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.		
21 13 16 00-0002			Light Hazard, Dry-Pipe Sprinkler Systems ^(21 13 16 00-0001)		
21 13 16 00-0003	EA		Exposed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head.....	283.02	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			<i>For Up To 5, Add</i>	131.86	
			<i>For >5 To 10, Add</i>	74.92	
			<i>For >10 To 20, Add</i>	56.27	
			<i>For >20 To 40, Add</i>	23.48	
			<i>For >100 To 150, Deduct</i>	-28.30	
			<i>For >150, Deduct</i>	-56.60	
			<i>For Copper Pipe, Add</i>	33.13	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-47.28	
21 13 16 00-0004	EA		Concealed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head.....	358.15	
			Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			<i>For Up To 5, Add</i>	168.56	
			<i>For >5 To 10, Add</i>	99.06	
			<i>For >10 To 20, Add</i>	73.76	
			<i>For >20 To 40, Add</i>	30.56	
			<i>For >100 To 150, Deduct</i>	-35.82	
			<i>For >150, Deduct</i>	-71.63	
			<i>For Copper Pipe, Add</i>	41.07	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-58.98	



Fire Suppression	21	12
Water-Based Fire-Suppression Systems	21 10	
Fire-Suppression Sprinkler Systems	21 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0005 Ordinary Hazard, Dry-Pipe Sprinkler Systems <small>(21 13 16 00-0001)</small>		
21 13 16 00-0006 EA Exposed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head.....	286.36	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Up To 5, Add	132.96	
For >5 To 10, Add	74.68	
For >10 To 20, Add	56.26	
For >20 To 40, Add	23.53	
For >100 To 150, Deduct	-28.64	
For >150, Deduct	-57.27	
For Copper Pipe, Add	33.75	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-48.06	
21 13 16 00-0007 EA Concealed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head	359.77	
Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
For Up To 5, Add	168.90	
For >5 To 10, Add	98.45	
For >10 To 20, Add	73.46	
For >20 To 40, Add	30.48	
For >100 To 150, Deduct	-35.98	
For >150, Deduct	-71.95	
For Copper Pipe, Add	41.47	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-59.46	
21 13 16 00-0008 Extra Hazard, Dry-Pipe Sprinkler Systems <small>(21 13 16 00-0001)</small>		
21 13 16 00-0009 EA Exposed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head	268.43	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Up To 5, Add	124.53	
For >5 To 10, Add	69.74	
For >10 To 20, Add	52.58	
For >20 To 40, Add	22.00	
For >100 To 150, Deduct	-26.84	
For >150, Deduct	-53.69	
For Copper Pipe, Add	31.68	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-45.11	
21 13 16 00-0010 EA Concealed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head	334.93	
Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
For Up To 5, Add	157.25	
For >5 To 10, Add	91.69	
For >10 To 20, Add	68.41	
For >20 To 40, Add	28.39	
For >100 To 150, Deduct	-33.49	
For >150, Deduct	-66.99	
For Copper Pipe, Add	38.60	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-55.35	
21 13 16 00-0011 Dry-Pipe Sprinkler System Equipment <small>(21 13 16 00-0001)</small>		
21 13 16 00-0012 EA Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge	1,237.94	191.63
21 13 16 00-0013 EA Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge	1,288.97	191.63
21 13 16 00-0014 EA Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge	1,332.02	191.63
21 13 16 00-0015 EA Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge	1,499.45	191.63
21 13 16 00-0016 Dry-Pipe Sprinkler System Components <small>(21 13 16)</small>		
Note: Excludes hydraulic calculations.		
21 13 16 00-0017 Dry Pipe Alarm Valves <small>(21 13 16 00-0016)</small>		
21 13 16 00-0018 EA 2" Dry Pipe Alarm Valve	1,188.46	508.31
21 13 16 00-0019 EA 3" Dry Pipe Alarm Valve	1,592.83	693.88
21 13 16 00-0020 EA 4" Dry Pipe Alarm Valve	2,906.33	971.44
21 13 16 00-0021 EA 6" Dry Pipe Alarm Valve	3,736.82	1,147.80
21 13 16 00-0022 EA 8" Dry Pipe Alarm Valve	4,664.45	1,262.57
21 13 16 00-0023 Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response <small>(21 13 16 00-0016)</small>		
21 13 16 00-0024 EA 3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	115.65	21.85
For >100 To 500, Deduct	-10.47	
For >500, Deduct	-15.64	
21 13 16 00-0025 EA 6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	120.02	21.85
For >100 To 500, Deduct	-11.02	
For >500, Deduct	-16.42	
21 13 16 00-0026 EA 9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	124.39	21.85
For >100 To 500, Deduct	-11.56	
For >500, Deduct	-17.21	
21 13 16 00-0027 EA 12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	128.77	21.85
For >100 To 500, Deduct	-12.11	
For >500, Deduct	-18.00	
21 13 16 00-0028 EA 15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	133.13	21.85
For >100 To 500, Deduct	-12.66	
For >500, Deduct	-18.78	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0029 EA 18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	137.50	21.85
For >100 To 500, Deduct	-13.20	
For >500, Deduct	-19.57	
21 13 16 00-0030 EA 21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	141.87	21.85
For >100 To 500, Deduct	-13.75	
For >500, Deduct	-20.36	
21 13 16 00-0031 EA 24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	146.25	21.85
For >100 To 500, Deduct	-14.30	
For >500, Deduct	-21.14	
21 13 16 00-0032 EA 27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	150.61	21.85
For >100 To 500, Deduct	-14.84	
For >500, Deduct	-21.93	
21 13 16 00-0033 EA 30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	154.98	21.85
For >100 To 500, Deduct	-15.39	
For >500, Deduct	-22.72	
21 13 16 00-0034 EA 33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	159.36	21.85
For >100 To 500, Deduct	-15.94	
For >500, Deduct	-23.50	
21 13 16 00-0035 EA 36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	163.73	21.85
For >100 To 500, Deduct	-16.48	
For >500, Deduct	-24.29	
21 13 16 00-0036 EA 39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	168.11	21.85
For >100 To 500, Deduct	-17.03	
For >500, Deduct	-25.08	
21 13 16 00-0037 EA 42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	172.47	21.85
For >100 To 500, Deduct	-17.57	
For >500, Deduct	-25.86	
21 13 16 00-0038 EA 45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	176.84	21.85
For >100 To 500, Deduct	-18.12	
For >500, Deduct	-26.65	
21 13 16 00-0039 Sidewall Dry Pipe Sprinkler Heads, Quick Response (21 13 16 00-0016)		
21 13 16 00-0040 EA 3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	114.60	21.85
For >100 To 500, Deduct	-10.34	
For >500, Deduct	-15.45	
21 13 16 00-0041 EA 6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	118.97	21.85
For >100 To 500, Deduct	-10.89	
For >500, Deduct	-16.23	
21 13 16 00-0042 EA 9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	123.35	21.85
For >100 To 500, Deduct	-11.43	
For >500, Deduct	-17.02	
21 13 16 00-0043 EA 12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	127.71	21.85
For >100 To 500, Deduct	-11.98	
For >500, Deduct	-17.81	
21 13 16 00-0044 EA 15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	132.09	21.85
For >100 To 500, Deduct	-12.53	
For >500, Deduct	-18.60	
21 13 16 00-0045 EA 18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	136.45	21.85
For >100 To 500, Deduct	-13.07	
For >500, Deduct	-19.38	
21 13 16 00-0046 EA 21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	140.83	21.85
For >100 To 500, Deduct	-13.62	
For >500, Deduct	-20.17	
21 13 16 00-0047 EA 24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	145.20	21.85
For >100 To 500, Deduct	-14.17	
For >500, Deduct	-20.96	
21 13 16 00-0048 EA 27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	149.56	21.85
For >100 To 500, Deduct	-14.71	
For >500, Deduct	-21.74	
21 13 16 00-0049 EA 30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	153.93	21.85
For >100 To 500, Deduct	-15.26	
For >500, Deduct	-22.53	
21 13 16 00-0050 EA 33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	158.31	21.85
For >100 To 500, Deduct	-15.80	
For >500, Deduct	-23.32	
21 13 16 00-0051 EA 36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	162.68	21.85
For >100 To 500, Deduct	-16.35	
For >500, Deduct	-24.10	
21 13 16 00-0052 EA 39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	175.79	21.85
For >100 To 500, Deduct	-17.99	
For >500, Deduct	-26.46	
21 13 16 00-0053 EA 42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	180.17	21.85
For >100 To 500, Deduct	-18.54	
For >500, Deduct	-27.25	
21 13 16 00-0054 EA 45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	181.91	21.85
For >100 To 500, Deduct	-18.75	
For >500, Deduct	-27.56	

21 13 19 Preaction Sprinkler Systems (21 13)



Fire Suppression	21	12
Water-Based Fire-Suppression Systems	21 10	
Fire-Suppression Sprinkler Systems	21 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 19 00-0001 Complete Preaction Sprinkler Systems <small>(21 13 19)</small>		
<small>Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.</small>		
21 13 19 00-0002 Ordinary Hazard, Preaction Sprinkler Systems <small>(21 13 19 00-0001)</small>		
21 13 19 00-0003 EA Exposed Piping, Ordinary Hazard, Preaction Sprinkler System, Per Head	272.11	
<small>Note: Includes branch pipe and fittings, supports and sprinkler heads.</small>		
<i>For Up To 5, Add</i>	127.26	
<i>For >5 To 10, Add</i>	82.05	
<i>For >10 To 20, Add</i>	54.84	
<i>For >20 To 40, Add</i>	22.81	
<i>For >100 To 150, Deduct</i>	-27.21	
<i>For >150, Deduct</i>	-54.42	
21 13 19 00-0004 Extra Hazard, Preaction Sprinkler Systems <small>(21 13 19 00-0001)</small>		
21 13 19 00-0005 EA Exposed Piping, Extra Hazard, Preaction Sprinkler System, Per Head	253.37	
<small>Note: Includes branch pipe and fittings, supports and sprinkler heads.</small>		
<i>For Up To 5, Add</i>	118.51	
<i>For >5 To 10, Add</i>	76.41	
<i>For >10 To 20, Add</i>	51.08	
<i>For >20 To 40, Add</i>	21.25	
<i>For >100 To 150, Deduct</i>	-25.34	
<i>For >150, Deduct</i>	-50.67	
21 13 26 Deluge Fire-Suppression Sprinkler Systems <small>(21 13)</small>		
21 13 26 00-0001 Deluge Fire-Suppression Sprinkler Systems Equipment <small>(21 13 26)</small>		
21 13 26 00-0002 Deluge Fire-Suppression Sprinkler System Nozzles <small>(21 13 26 00-0001)</small>		
21 13 26 00-0003 EA 3/8" Auto Deluge Sprinkler Nozzle	63.50	28.49
21 13 26 00-0004 EA 1/2" Pendant Deluge Spring Nozzle With Open Head	63.50	28.49
21 13 26 00-0005 EA 1/2" Pendant Deluge Spring Nozzle Open Head With Canopy	63.50	28.49
21 13 26 00-0006 Deluge Valves With Required Trim And Release Equipment <small>(21 13 26 00-0001)</small>		
21 13 26 00-0007 EA 3" Deluge Valve With Trim And Release Equipment	3,863.66	368.98
21 13 26 00-0008 EA 4" Deluge Valve With Trim And Release Equipment	4,428.70	415.07
21 13 26 00-0009 EA 6" Deluge Valve With Trim And Release Equipment	5,508.90	603.74
21 13 39 Foam-Water Systems <small>(21 13)</small>		
21 13 39 00-0001 Foam Control Valves And Monitors <small>(21 13 39)</small>		
21 13 39 00-0002 Control Valves <small>(21 13 39 00-0001)</small>		
21 13 39 00-0003 EA 3" Foam Control Valve	1,872.02	368.98
21 13 39 00-0004 Supply Valves <small>(21 13 39 00-0001)</small>		
21 13 39 00-0005 EA 2-1/2" Foam Supply Valve	1,712.24	415.07
21 13 39 00-0006 Proportioners <small>(21 13 39 00-0001)</small>		
21 13 39 00-0007 EA 8" Foam Proportioner	1,489.47	603.74
21 13 39 00-0008 Monitors <small>(21 13 39 00-0001)</small>		
21 13 39 00-0009 EA Oscillating Foam Monitor	1,855.19	83.02
21 13 41 Fire-Suppression Sprinkler Piping <small>(21 13)</small>		
<small>See CSI section 23 21 13 23-0000 for black steel piping.</small>		
21 13 41 00-0001 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <small>(21 13 41)</small>		
<small>Note: SDR 13.5</small>		
21 13 41 00-0002 Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <small>(21 13 41 00-0001)</small>		
21 13 41 00-0003 LF 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	3.40	1.06
21 13 41 00-0004 LF 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	4.00	1.13
21 13 41 00-0005 LF 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	4.93	1.26
21 13 41 00-0006 LF 1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	5.95	1.39
21 13 41 00-0007 LF 2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	7.52	1.52
21 13 41 00-0008 LF 2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	10.09	1.73
21 13 41 00-0009 LF 3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	13.89	2.06

21	Fire Suppression
21 10	Water-Based Fire-Suppression Systems
21 13	Fire-Suppression Sprinkler Systems



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 13 41 00-0010	Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0011	EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	16.92	6.38
21 13 41 00-0012	EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	22.10	7.97
21 13 41 00-0013	EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	27.65	9.96
21 13 41 00-0014	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	31.42	11.03
21 13 41 00-0015	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	35.55	12.35
21 13 41 00-0016	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	44.15	14.01
21 13 41 00-0017	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	53.80	16.61
21 13 41 00-0018	Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0019	EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	17.26	6.38
21 13 41 00-0020	EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	21.55	7.97
21 13 41 00-0021	EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	27.24	9.96
21 13 41 00-0022	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	30.76	11.03
21 13 41 00-0023	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	34.72	12.35
21 13 41 00-0024	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	42.06	14.01
21 13 41 00-0025	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	51.50	16.61
21 13 41 00-0026	Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0027	EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	25.23	9.56
21 13 41 00-0028	EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	32.63	12.03
21 13 41 00-0029	EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	41.39	15.01
21 13 41 00-0030	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	47.22	16.61
21 13 41 00-0031	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	54.78	18.46
21 13 41 00-0032	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	66.51	21.05
21 13 41 00-0033	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	78.58	24.84
21 13 41 00-0034	Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0035	EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	30.17	11.23
21 13 41 00-0036	EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	39.01	14.01
21 13 41 00-0037	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	43.59	15.48
21 13 41 00-0038	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	51.04	17.27
21 13 41 00-0039	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	59.90	19.66
21 13 41 00-0040	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	70.54	23.17
21 13 41 00-0041	Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0042	EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	33.97	12.75
21 13 41 00-0043	EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	42.59	16.00
21 13 41 00-0044	EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	53.56	19.98
21 13 41 00-0045	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	60.19	22.11
21 13 41 00-0046	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	69.77	24.64
21 13 41 00-0047	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	87.87	28.02
21 13 41 00-0048	Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0049	EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	11.56	4.25
21 13 41 00-0050	EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	15.49	5.71
21 13 41 00-0051	EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	20.50	7.51
21 13 41 00-0052	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	23.26	8.30
21 13 41 00-0053	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	26.55	9.23
21 13 41 00-0054	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	31.56	10.49
21 13 41 00-0055	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	37.94	12.42
21 13 41 00-0056	Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0057	EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	5.88	2.13
21 13 41 00-0058	EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	9.36	3.45
21 13 41 00-0059	EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	10.65	3.72
21 13 41 00-0060	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	12.14	4.12
21 13 41 00-0061	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	14.23	4.65
21 13 41 00-0062	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	17.02	5.25
21 13 41 00-0063	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	21.81	6.24
21 13 41 00-0064	Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0065	EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	16.47	6.31
21 13 41 00-0066	EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	21.77	8.23
21 13 41 00-0067	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	24.07	9.10
21 13 41 00-0068	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	27.31	10.16



Fire Suppression	21	12
Water-Based Fire-Suppression Systems	21 10	
Fire-Suppression Sprinkler Systems	21 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0069 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	32.18	11.55
21 13 41 00-0070 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	39.07	13.68
21 13 41 00-0071 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0072 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	14.12	4.65
21 13 41 00-0073 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	18.32	6.31
21 13 41 00-0074 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0075 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	14.12	4.65
21 13 41 00-0076 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	18.32	6.31
21 13 41 00-0077 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0078 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	16.62	5.71
21 13 41 00-0079 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	21.17	7.17
21 13 41 00-0080 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	21.87	7.17
21 13 41 00-0081 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0082 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	27.35	9.56
21 13 41 00-0083 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	33.74	12.03
21 13 41 00-0084 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	43.65	15.01
21 13 41 00-0085 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	49.62	16.61
21 13 41 00-0086 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	57.70	18.46
21 16 Fire-Suppression Pressure Maintenance Pumps (21 10)		
21 16 00 00-0001 Jockey Pumps (21 16)		
Note: Includes pump and controller.		
21 16 00 00-0002 EA Jockey Pump And Controller	3,972.03	326.87
21 20 Fire-Extinguishing Systems (21)		
21 21 Carbon-Dioxide Fire-Extinguishing Systems (21 20)		
21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment (21 21)		
21 21 16 00-0001 Carbon Dioxide Cylinders (21 21 16)		
21 21 16 00-0002 EA Carbon Dioxide Simplex Cylinder, 75 LB	961.24	142.48
21 21 16 00-0003 EA Carbon Dioxide Duplex Cylinder, 75 LB (Each)	1,922.47	284.97
21 21 16 00-0004 EA Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket	168.01	74.50
21 21 16 00-0005 EA Carbon Dioxide Cylinder, Dispersion Nozzle	71.15	26.04
21 21 16 00-0006 LF Carbon Dioxide Cylinder, 1/2" Rubber Tubing	20.37	10.56
21 22 Clean-Agent Fire-Extinguishing Systems (21 20)		
21 22 16 Clean-Agent Fire-Extinguishing Equipment (21 22)		
21 22 16 00-0001 Ansul Fire Control Systems (21 22 16)		
21 22 16 00-0002 Sapphire® Fire Suppression Systems (21 22 16 00-0001)		
Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.		
21 22 16 00-0003 Cylinders, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0004 EA 20 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635)	1,174.63	48.58
Note: 10 to 21 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0005 EA 40 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636)	1,342.61	48.58
Note: 20 to 46 LB tank capacity. Excludes Sapphire agent.		

21	Fire Suppression
21 20	Fire-Extinguishing Systems
21 22	Clean-Agent Fire-Extinguishing Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0006 EA 80 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637).....	1,364.70	48.58
Note: 41 to 80 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0007 EA 140 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638).....	1,939.18	64.76
Note: 58 to 138 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0008 EA 280 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639).....	2,050.23	64.76
Note: 116 to 280 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0009 EA 390 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640).....	2,185.78	80.96
Note: 161 to 388 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0010 EA 450 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641).....	2,321.18	80.96
Note: 194 to 459 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0011 EA 850 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586).....	3,513.43	97.15
Note: 375 to 851 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0012 LB Sapphire Agent, Fire Protection Fluid, Factory Filled (Novec 1230)	30.00	97.15
Note: Add to empty tank cost.		
21 22 16 00-0013 Nozzles, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0014 EA 1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515).....	110.77	8.10
21 22 16 00-0015 EA 3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516).....	113.63	8.10
21 22 16 00-0016 EA 1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517).....	120.80	8.10
21 22 16 00-0017 EA 1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518)	125.82	8.10
21 22 16 00-0018 EA 1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519)	132.98	8.10
21 22 16 00-0019 EA 2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520).....	154.46	8.10
21 22 16 00-0020 EA 1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602).....	110.77	8.10
21 22 16 00-0021 EA 3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603).....	113.63	8.10
21 22 16 00-0022 EA 1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604).....	120.80	8.10
21 22 16 00-0023 EA 1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605)	125.82	8.10
21 22 16 00-0024 EA 1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606)	132.98	8.10
21 22 16 00-0025 EA 2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607).....	154.46	8.10
21 22 16 00-0026 Actuation Attachments, Sapphire® Fire Suppression System (21 22 16 00-0002)		
21 22 16 00-0027 EA 7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810).....	9.28	2.43
21 22 16 00-0028 EA 7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811)	10.51	2.43
21 22 16 00-0029 EA 1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338)	13.34	5.67
21 22 16 00-0030 EA 16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597)	33.97	7.25
21 22 16 00-0031 EA 32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142)	51.76	7.25
21 22 16 00-0032 EA 42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815)	63.10	7.25
21 22 16 00-0033 EA 24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336)	29.88	7.25
21 22 16 00-0034 EA Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	201.89	64.76
21 22 16 00-0035 EA Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549).....	200.31	48.58
21 22 16 00-0036 EA Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	468.40	64.76
21 22 16 00-0037 Nameplates, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0038 EA Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580).....	33.39	8.10
21 22 16 00-0039 EA Warning Plate For Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581).....	36.63	8.10
21 22 16 00-0040 Cylinder Bracketing, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0041 EA Tank Bracket Assembly For 20 LB, 40 LB, 50 LB, 80 LB And 90 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	103.03	24.28
21 22 16 00-0042 EA Tank Bracket Assembly For 140 LB, 280 LB, 390 LB And 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	109.48	24.28
21 22 16 00-0043 EA Tank Bracket Assembly For 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570336).....	117.72	24.28
21 22 16 00-0044 Check Valves, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0045 EA 1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566)	297.97	25.78
21 22 16 00-0046 EA 2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568)	416.43	44.23
21 22 16 00-0047 Discharge Hose, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0048 EA 1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539).....	88.98	16.20
21 22 16 00-0049 EA 2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538).....	352.62	16.20
21 22 16 00-0050 EA 3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69900).....	296.02	16.20
21 22 16 00-0051 EA 3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841)	1,295.85	64.76
21 22 16 00-0052 Swivel Adaptors, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0053 EA 1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557).....	30.96	11.33
21 22 16 00-0054 EA 2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558).....	57.75	11.33
21 22 16 00-0055 EA 3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471).....	166.65	8.10
21 22 16 00-0056 EA 3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470).....	214.33	8.10
21 22 16 00-0057 Pressure Switches, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0058 EA Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585)	112.40	32.38
21 22 16 00-0059 EA Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156)	121.05	13.60
21 22 16 00-0060 EA Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250).....	366.23	56.67



Fire Suppression	21	
Fire-Extinguishing Systems	21 20	12
Clean-Agent Fire-Extinguishing Systems	21 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0061 Level Indicators, Sapphire® Fire Suppression Systems <small>(21 22 16 00-0002)</small>		
21 22 16 00-0062 EA Liquid Level Indicator For 280 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570277).....	451.08	11.33
21 22 16 00-0063 EA Liquid Level Indicator For 390 LB And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278).....	472.58	11.33
21 22 16 00-0064 EA Liquid Level Indicator For 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570589).....	504.49	16.20
21 22 16 00-0065 Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems <small>(21 22 16 00-0002)</small>		
21 22 16 00-0066 EA Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342).....	30.89	9.71
21 22 16 00-0067 EA Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642).....	39.07	11.33
21 22 16 00-0068 EA Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579).....	125.95	48.58
21 22 16 00-0069 EA 1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576).....	150.52	48.58
21 22 16 00-0070 EA 2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592).....	170.94	48.58
21 22 16 00-0071 EA 3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891).....	236.85	48.58
21 22 16 00-0072 Replacement Parts, Sapphire® Fire Suppression Systems <small>(21 22 16 00-0002)</small>		
21 22 16 00-0073 EA O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559).....	36.22	12.95
21 22 16 00-0074 EA Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553).....	65.27	8.10
21 22 16 00-0075 EA Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053).....	85.76	16.20
21 22 16 00-0076 EA Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543).....	216.94	64.76
21 22 16 00-0077 EA Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551).....	342.30	64.76
21 22 16 00-0078 EA 1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535).....	1,221.33	64.76
21 22 16 00-0079 Inergen® Fire Suppression System <small>(21 22 16 00-0001)</small>		
21 22 16 00-0080 Actuation Attachments, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0081 EA Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082).....	127.38	16.04
21 22 16 00-0082 EA Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958).....	148.66	17.24
21 22 16 00-0083 EA Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309).....	265.92	31.22
21 22 16 00-0084 EA Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876).....	531.22	71.09
21 22 16 00-0085 Check Valves, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0086 EA 2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794).....	1,327.39	93.81
21 22 16 00-0087 Components, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0088 EA 1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378).....	37.78	4.92
21 22 16 00-0089 EA Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700).....	446.46	52.71
21 22 16 00-0090 EA 30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169).....	1,389.47	164.94
21 22 16 00-0091 EA 60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170).....	1,319.70	168.04
21 22 16 00-0092 Cylinders, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
Note: Includes CV98 valve. Factory filled with Inergen agent.		
21 22 16 00-0093 EA 200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147).....	1,153.00	150.96
21 22 16 00-0094 EA 250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148).....	1,307.97	171.02
21 22 16 00-0095 EA 350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620).....	1,881.47	221.63
21 22 16 00-0096 EA 435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150).....	1,873.10	270.82
21 22 16 00-0097 EA 250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257).....	1,347.16	190.69
21 22 16 00-0098 EA 350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621).....	1,920.93	241.37
21 22 16 00-0099 EA 435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259).....	1,964.99	291.02
21 22 16 00-0100 Inspection/Maintenance Devices, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0101 EA CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657).....	43.59	5.49
21 22 16 00-0102 EA CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181).....	43.59	5.49
21 22 16 00-0103 EA CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954).....	52.79	6.10
21 22 16 00-0104 EA Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923).....	830.46	104.75
21 22 16 00-0105 Multiple Cylinder Bracketing, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0106 EA 13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502).....	14.05	1.60
Note: For single row 435 cubic foot cylinders.		
21 22 16 00-0107 EA 27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503).....	19.94	2.29
Note: For double row 435 cubic foot cylinders.		
21 22 16 00-0108 Nameplates, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0109 EA Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265).....	15.49	1.79
21 22 16 00-0110 EA Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266).....	14.26	1.79
21 22 16 00-0111 Nozzle Deflector Shields, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0112 EA 1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708).....	62.04	7.73

21	Fire Suppression
21 20	Fire-Extinguishing Systems
21 22	Clean-Agent Fire-Extinguishing Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0113 EA 3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711).....	65.06	8.10
21 22 16 00-0114 EA 1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714)	75.66	9.35
21 22 16 00-0115 EA 1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717)	84.26	10.56
21 22 16 00-0116 EA 1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720)	96.66	12.14
21 22 16 00-0117 Nozzles, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0118 EA 1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908)	94.94	11.97
21 22 16 00-0119 EA 3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723)	98.53	12.32
21 22 16 00-0120 EA 1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362)	90.89	11.40
21 22 16 00-0121 EA 3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363)	92.80	12.32
21 22 16 00-0122 EA 1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364)	108.05	13.55
21 22 16 00-0123 EA 1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365)	115.55	14.43
21 22 16 00-0124 EA 1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366)	124.36	15.49
21 22 16 00-0125 EA 2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155)	213.96	27.09
21 22 16 00-0126 EA 2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156)	282.91	35.54
21 22 16 00-0127 EA 3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137)	308.35	39.06
21 22 16 00-0128 EA 1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138)	110.52	14.07
21 22 16 00-0129 EA 3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139)	130.42	16.47
21 22 16 00-0130 EA 1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140)	107.32	13.55
21 22 16 00-0131 EA 3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141)	114.70	14.36
21 22 16 00-0132 EA 1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142)	115.69	14.43
21 22 16 00-0133 EA 1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143)	139.65	17.52
21 22 16 00-0134 EA 1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157)	150.47	19.00
21 22 16 00-0135 EA 2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144)	230.98	29.16
21 22 16 00-0136 EA 2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145)	269.64	34.13
21 22 16 00-0137 EA 3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146)	295.48	37.30
21 22 16 00-0138 Pressure Reducers, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0139 EA 1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677)	124.36	15.49
21 22 16 00-0140 EA 3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678)	152.52	19.29
21 22 16 00-0141 EA 1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679)	164.04	20.76
21 22 16 00-0142 EA 1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680)	230.98	29.16
21 22 16 00-0143 EA 1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681)	252.34	31.95
21 22 16 00-0144 EA 2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682)	296.47	37.30
21 22 16 00-0145 EA 2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057)	344.67	43.74
21 22 16 00-0146 EA 3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058)	407.43	51.73
21 22 16 00-0147 EA 2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823)	520.57	102.05
21 22 16 00-0148 EA 3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824)	673.44	119.65
21 22 16 00-0149 EA 4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825)	848.85	200.58
21 22 16 00-0150 EA 2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847)	506.95	102.05
21 22 16 00-0151 EA 3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848)	560.94	71.28
21 22 16 00-0152 EA 4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849)	848.85	200.58
21 22 16 00-0153 EA 2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853)	518.41	102.05
21 22 16 00-0154 EA 3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854)	583.01	74.07
21 22 16 00-0155 EA 4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855)	831.65	200.58
21 22 16 00-0156 Pressure Switches, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0157 EA 3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344)	582.18	77.77
21 22 16 00-0158 Releasing Device Equipment, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0159 EA 12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728)	957.14	120.66
21 22 16 00-0160 EA 24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492)	1,366.97	160.78
21 22 16 00-0161 EA 120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525)	1,452.08	163.54
21 22 16 00-0162 EA Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310)	67.65	8.32
21 22 16 00-0163 EA LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373)	80.42	11.01
21 22 16 00-0164 EA Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939)	778.43	86.08
21 22 16 00-0165 Replacement Orifice Plates, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0166 EA 1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095)	85.64	8.17
21 22 16 00-0167 EA 3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096)	89.73	8.61
21 22 16 00-0168 EA 1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097)	94.34	8.75
21 22 16 00-0169 EA 1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098)	101.36	9.04
21 22 16 00-0170 EA 1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099)	105.28	9.92
21 22 16 00-0171 EA 2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100)	105.47	10.72
21 22 16 00-0172 EA 2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984)	229.25	28.74
21 22 16 00-0173 EA 3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985)	231.27	29.03
21 22 16 00-0174 EA 4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986)	296.47	37.21
21 22 16 00-0175 Single Cylinder Bracketing, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0176 EA Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704)	108.05	13.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0177 EA Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705) Note: Includes saddle, padding and fasteners.	143.11	30.97
21 22 16 00-0178 Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0179 EA 2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856) Note: Includes gasket and fasteners.	287.63	20.03
21 22 16 00-0180 EA 3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857) Note: Includes gasket and fasteners.	236.75	29.90
21 22 16 00-0181 EA 4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858) Note: Includes gasket and fasteners.	451.99	200.58
21 22 16 00-0182 EA 2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859) Note: Includes gasket and fasteners.	148.45	18.70
21 22 16 00-0183 EA 3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860) Note: Includes gasket and fasteners.	174.26	21.82
21 22 16 00-0184 EA 4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861) Note: Includes gasket and fasteners.	448.37	200.58
21 22 16 00-0185 EA 2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862) Note: Includes gasket and fasteners.	154.51	19.59
21 22 16 00-0186 EA 3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863) Note: Includes gasket and fasteners.	181.07	22.83
21 22 16 00-0187 EA 4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864) Note: Includes gasket and fasteners.	466.28	200.58
21 22 16 00-0188 EA 2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	31.19	1.48
21 22 16 00-0189 EA 3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	31.49	1.63
21 22 16 00-0190 EA 4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	33.84	1.94
21 22 16 00-0191 Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0192 EA Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508)	18.91	2.38
21 22 16 00-0193 EA Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027)	156.16	18.09
21 22 16 00-0194 EA 85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592) Note: Includes upright, left, right and center.	114.62	18.09
21 22 16 00-0195 Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0001)</small>		
21 22 16 00-0196 Accessory Switches, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0197 EA Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495)	121.79	15.61
21 22 16 00-0198 EA Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494)	138.39	17.80
21 22 16 00-0199 EA Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497)	176.04	22.62
21 22 16 00-0200 EA Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496)	189.61	24.36
21 22 16 00-0201 EA Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499)	237.37	30.63
21 22 16 00-0202 EA Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498)	252.67	32.54
21 22 16 00-0203 EA Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956)	484.15	62.74
21 22 16 00-0204 EA Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490)	39.14	4.67
21 22 16 00-0205 Alarm Devices, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0206 EA Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698)	105.49	13.57
21 22 16 00-0207 EA Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699)	154.69	19.84
21 22 16 00-0208 EA Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702)	14.11	1.80
21 22 16 00-0209 Annunciators, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0210 EA 80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492)	1,214.93	157.42
21 22 16 00-0211 EA 16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496)	1,018.51	131.89
21 22 16 00-0212 EA 16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497)	790.64	102.41
21 22 16 00-0213 EA 32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500)	688.62	89.14
21 22 16 00-0214 EA Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501)	688.62	89.14

21	Fire Suppression
21 20	Fire-Extinguishing Systems
21 22	Clean-Agent Fire-Extinguishing Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0215 EA Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502)	551.67	71.34
21 22 16 00-0216 EA Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650)	1,018.51	131.89
21 22 16 00-0217 EA 24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651)	207.21	26.70
21 22 16 00-0218 EA 48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652)	259.74	33.56
21 22 16 00-0219 EA 8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653)	520.79	67.41
21 22 16 00-0220 EA Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660)	88.03	11.30
21 22 16 00-0221 EA Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576)	119.63	15.61
Note: For up to 4 LDM modules.		
21 22 16 00-0222 EA Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657)	207.22	26.70
21 22 16 00-0223 Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0224 EA CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586)	160.66	21.74
21 22 16 00-0225 EA REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639)	9.88	1.49
21 22 16 00-0226 EA REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640)	72.43	1.80
21 22 16 00-0227 EA REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765)	10.60	1.80
21 22 16 00-0228 Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0229 EA Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564)	357.00	48.73
21 22 16 00-0230 EA Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566)	214.07	29.03
21 22 16 00-0231 Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0232 EA 7 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692)	158.82	18.67
21 22 16 00-0233 EA 12 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693)	331.96	39.54
21 22 16 00-0234 EA 18 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694)	374.56	44.79
21 22 16 00-0235 EA 25 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695)	491.04	54.56
21 22 16 00-0236 EA 55 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997)	789.13	94.68
21 22 16 00-0237 EA BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578)	117.75	15.02
21 22 16 00-0238 EA BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079)	210.24	27.13
Note: Holds six XP5 modules or 25AH battery pack.		
21 22 16 00-0239 EA BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410)	427.57	55.30
Note: For mounting in BB-55 battery box.		
21 22 16 00-0240 EA Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207)	1,242.89	161.06
Note: For mounting in BB-55 battery box.		
21 22 16 00-0241 EA 120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563)	908.97	117.73
21 22 16 00-0242 Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0243 EA Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097)	95.75	12.47
21 22 16 00-0244 EA Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098)	89.16	12.40
21 22 16 00-0245 EA Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480)	120.48	17.80
21 22 16 00-0246 EA 2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100)	180.09	23.20
21 22 16 00-0247 EA NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101)	139.72	18.82
21 22 16 00-0248 EA Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102)	131.09	18.09
21 22 16 00-0249 EA Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487)	20.88	2.88
21 22 16 00-0250 EA Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125)	77.22	10.21
21 22 16 00-0251 EA Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066)	77.34	9.92
21 22 16 00-0252 EA HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067)	25.75	8.17
21 22 16 00-0253 EA Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138)	7.12	0.91
Note: Converts BX501 to low profile base.		
21 22 16 00-0254 EA Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945)	74.44	9.56



Fire Suppression	21
Fire-Extinguishing Systems	21 20
Clean-Agent Fire-Extinguishing Systems	21 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0255 EA EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699).....	43.60	5.63
21 22 16 00-0256 EA XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078).....	118.16	14.88
21 22 16 00-0257 EA BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080).....	61.75	7.87
21 22 16 00-0258 Manual Pull Stations, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0259 EA Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661).....	17.84	2.12
21 22 16 00-0260 EA Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336).....	11.12	1.17
21 22 16 00-0261 Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0262 EA Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470).....	154.69	19.84
Note: Includes municipal box and remote station connection.		
21 22 16 00-0263 EA Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471).....	466.21	57.04
21 22 16 00-0264 EA Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411).....	887.62	114.96
21 22 16 00-0265 EA Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635).....	23.71	2.97
21 22 16 00-0266 Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0001)</small>		
21 22 16 00-0267 Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0268 EA Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482).....	120.93	14.01
21 22 16 00-0269 EA Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379).....	298.18	21.11
21 22 16 00-0270 EA 120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374).....	671.09	81.69
21 22 16 00-0271 EA 220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375).....	671.09	81.69
21 22 16 00-0272 EA 120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376).....	1,008.40	122.55
Note: Includes housing and battery cab.		
21 22 16 00-0273 EA 220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377).....	1,008.40	122.55
Note: Includes housing and battery cab.		
21 22 16 00-0274 EA 48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378).....	1,482.45	156.11
21 22 16 00-0275 Blank Plates, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0276 EA Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459).....	21.65	2.62
21 22 16 00-0277 EA Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458).....	33.18	2.62
21 22 16 00-0278 EA Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484).....	47.70	4.96
21 22 16 00-0279 EA Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446).....	75.18	5.55
21 22 16 00-0280 EA Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447).....	92.86	11.09
21 22 16 00-0281 EA Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480).....	174.67	14.01
21 22 16 00-0282 Detectors, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0283 EA LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350).....	5,040.38	685.69
Note: Includes 3 blank plates.		
21 22 16 00-0284 EA LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354).....	6,442.63	846.17
Note: Includes centrally mounted LCD programmer module and standard display.		
21 22 16 00-0285 EA LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356).....	5,822.31	773.22
Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0286 EA 7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357).....	8,117.72	1,021.24
21 22 16 00-0287 EA 12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358).....	8,544.79	1,079.60
21 22 16 00-0288 EA 7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359).....	8,205.68	1,035.83
Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.		
21 22 16 00-0289 EA 12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360).....	8,666.12	1,094.18
Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.		
21 22 16 00-0290 EA 7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361).....	8,908.67	1,137.95
Note: Includes 2 blank plates and scan display module at far right.		
21 22 16 00-0291 EA 12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363).....	9,291.58	1,196.31
Note: Includes 2 blank plates and scanner display.		
21 22 16 00-0292 EA 7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365).....	9,767.40	1,254.66
Note: Includes centrally mounted programmer module.		
21 22 16 00-0293 EA 12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367).....	10,182.55	1,313.02
Note: Includes centrally mounted LCD programmer module and scanner display module.		
21 22 16 00-0294 EA 12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369).....	9,584.84	1,196.31
Note: Includes centrally mounted LCD programmer.		

21	Fire Suppression
21 20	Fire-Extinguishing Systems
21 22	Clean-Agent Fire-Extinguishing Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0295			Displays, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0296	EA		VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381).....	1,552.69	160.48
			Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0297	EA		VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385).....	1,560.58	160.48
			Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0298	EA		VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383).....	1,405.94	145.89
			Note: Includes a remote termination card without relays.		
21 22 16 00-0299	EA		VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387).....	1,415.10	145.89
			Note: Includes a remote termination card.		
21 22 16 00-0300	EA		VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389).....	1,751.27	175.06
			Note: Includes a remote termination card and 12 relays.		
21 22 16 00-0301	EA		VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391).....	1,487.05	151.72
21 22 16 00-0302	EA		VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393).....	1,626.06	170.40
21 22 16 00-0303			Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0304	EA		LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370).....	3,873.49	481.44
21 22 16 00-0305	EA		LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372).....	3,194.63	385.15
21 22 16 00-0306	EA		Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380).....	1,125.64	145.89
21 22 16 00-0307	EA		VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395).....	814.41	94.83
21 22 16 00-0308	EA		System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399).....	1,136.40	127.80
21 22 16 00-0309	EA		PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442).....	1,376.94	157.56
			Note: Interface connects PC and LaserPLUS system.		
21 22 16 00-0310	EA		Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443).....	214.54	23.64
21 22 16 00-0311	EA		Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444).....	1,439.45	145.89
21 22 16 00-0312	EA		Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460).....	1,021.45	121.09
21 22 16 00-0313	EA		VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463).....	802.91	93.37
21 22 16 00-0314	EA		Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461).....	1,023.17	121.09
21 22 16 00-0315	EA		Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464).....	1,021.45	121.09
21 22 16 00-0316	EA		Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487).....	1,012.36	113.80
21 22 16 00-0317	EA		Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466).....	121.03	10.21
21 22 16 00-0318	EA		Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467).....	4,887.23	560.22
21 22 16 00-0319	EA		Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470).....	8,514.38	980.39
21 22 16 00-0320	EA		Detector Cover Assembly With EMC Shields, VSP-013, Vesda® Aspirating Smoke Detection System (Ansul 430473).....	88.36	43.77
21 22 16 00-0321	EA		Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475).....	666.80	72.94
21 22 16 00-0322	EA		Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477).....	15.25	1.46
21 22 16 00-0323	EA		Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478).....	8.81	0.29
21 22 16 00-0324	EA		US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481).....	366.49	42.31
21 22 16 00-0325	EA		Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483).....	443.98	51.35
21 22 16 00-0326	EA		Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486).....	640.81	74.40
21 22 16 00-0327	EA		RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488).....	94.36	11.09
21 22 16 00-0328	EA		Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502).....	14.50	2.34
21 22 16 00-0329			Labels And Decals, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0330	EA		Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509).....	13.33	1.75
21 22 16 00-0331	EA		Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505).....	13.91	2.05
21 22 16 00-0332	EA		Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506).....	21.65	2.62
21 22 16 00-0333	EA		Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507).....	21.68	2.62
21 22 16 00-0334	EA		Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508).....	78.43	9.92
21 22 16 00-0335			Mounting Hardware, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0336	EA		Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456).....	195.03	21.01
21 22 16 00-0337	EA		Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472).....	262.91	28.01
21 22 16 00-0338	EA		Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471).....	268.20	30.63
21 22 16 00-0339	EA		Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457).....	664.24	43.77
21 22 16 00-0340	EA		Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445).....	965.31	96.28
21 22 16 00-0341			Pipe And Fittings, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0342	LF		3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491).....	3.71	1.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0343 EA 3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497)	6.20	2.13
21 22 16 00-0344 EA 3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494)	16.81	6.38
21 22 16 00-0345 EA 3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493)	17.46	6.38
21 22 16 00-0346 EA 3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495)	12.09	4.25
21 22 16 00-0347 EA 3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496)	19.71	6.38
21 22 16 00-0348 EA 3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498)	25.93	9.56
21 22 16 00-0349 EA 3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499)	32.78	11.23
21 22 16 00-0350 LF 1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500)	3.25	1.06
21 22 16 00-0351 EA Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479)	13.45	3.21
21 22 16 00-0352 EA Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503)	17.02	2.34
21 22 16 00-0353 EA Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504)	24.46	3.21
21 22 16 00-0354 Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0355 EA VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396)	1,129.51	112.04
Note: Remote box includes 7 relays for VLP/VLC.		
21 22 16 00-0356 EA VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490)	1,145.77	128.96
21 22 16 00-0357 EA 12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485)	693.24	78.78
21 22 16 00-0358 EA RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489)	792.51	88.99
21 22 16 00-0359 EA VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397)	1,129.51	112.04
Note: Remote box includes 7 relays for VLS.		
21 22 16 00-0360 EA VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398)	1,365.37	128.96
Note: Remote box includes 12 relays for VLS.		
21 22 16 00-0361 EA Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468)	386.14	39.69
21 22 16 00-0362 EA Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469)	580.42	60.69
21 22 16 00-0363 EA 7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474)	1,088.95	125.47
21 22 16 00-0364 EA 12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476)	1,597.59	183.83
21 22 16 00-0365 Preferred® Low Pressure CO2 System (21 22 16 00-0001)		
21 22 16 00-0366 Manual Pull Stations, Preferred® Low Pressure CO2 System (21 22 16 00-0365)		
21 22 16 00-0367 EA Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658)	86.14	10.21
Note: Excludes FMM-101.		
21 22 16 00-0368 EA Weatherproof Backbox For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659)	64.46	7.58
21 22 16 00-0369 Industrial Fire Control System (21 22 16 00-0001)		
21 22 16 00-0370 Alarm Devices, Industrial Fire Control System (21 22 16 00-0369)		
21 22 16 00-0371 EA Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947)	2,076.54	269.17
21 22 16 00-0372 EA 6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751)	64.29	6.18
21 22 16 00-0373 EA 24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697)	72.77	8.03
21 22 16 00-0374 EA Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700)	37.37	4.81
21 22 16 00-0375 EA Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701)	15.27	1.96
21 22 16 00-0376 Manual Pull Stations, Industrial Fire Control System (21 22 16 00-0369)		
21 22 16 00-0377 EA SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655)	71.17	8.46
21 22 16 00-0378 EA DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656)	100.33	11.96
21 22 16 00-0379 EA Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657)	783.09	93.96
21 22 16 00-0380 EA Surface Mounted Backbox For Manual Pull Stations, Industrial Fire Control System (Ansul 428660)	22.77	2.71
21 22 16 00-0381 EA Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654)	10.21	1.21
21 22 16 00-0382 Marine Fire Control System (21 22 16 00-0001)		
21 22 16 00-0383 Alarm Devices, Marine Fire Control System (21 22 16 00-0382)		
21 22 16 00-0384 EA Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747)	41.28	4.90
21 22 16 00-0385 EA 6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805)	75.90	9.48
21 22 16 00-0386 EA 10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806)	75.90	9.48
21 22 16 00-0387 FM200 System Equipment (21 22 16)		
21 22 16 00-0388 EA 26 LB Cylinder, Filled, For FM200 Fire Protection system	2,259.52	70.38
21 22 16 00-0389 EA 44 LB Cylinder, Filled, For FM200 Fire Protection system	3,243.00	80.58
21 22 16 00-0390 EA 63 LB Cylinder, Filled, For FM200 Fire Protection system	3,849.69	95.01

21	Fire Suppression
21 20	Fire-Extinguishing Systems
21 22	Clean-Agent Fire-Extinguishing Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 22 16 00-0391	EA	101 LB Cylinder, Filled, For FM200 Fire Protection system.....	5,104.79	112.61
21 22 16 00-0392	EA	196 LB Cylinder, Filled, For FM200 Fire Protection system.....	7,986.12	140.76
21 22 16 00-0393	EA	Electro/Mechanical Release, For FM200 Fire Protection system.....	435.61	140.76
21 22 16 00-0394	EA	Manual Pull Station, For FM200 Fire Protection system.....	151.37	46.81
21 22 16 00-0395	EA	Pneumatic Damper Release, For FM200 Fire Protection system.....	179.53	35.19
21 22 16 00-0396	LB	FM200 Gas.....	14.43	
21 22 16 00-0397	EA	Master Cylinder, For FM200 Fire Protection system.....	3,701.91	37.86
21 22 16 00-0398	EA	Shuttle Check Valve, For FM200 Fire Protection system.....	439.22	52.93
21 22 16 00-0399	EA	Flex Head Cylinder, For FM200 Fire Protection system.....	438.71	56.73
21 22 16 00-0400	EA	Nozzles, For FM200 Fire Protection system.....	110.75	20.06
21 22 16 00-0401	EA	Cylinder Support, For FM200 Fire Protection system.....	133.30	37.86
21 22 16 00-0402	EA	Solenoid Valve, For FM200 Fire Protection system.....	564.25	56.73
21 22 16 00-0403	EA	Battery Back-Up, For FM200 Fire Protection system.....	451.54	149.62
21 22 16 00-0404	EA	Control Panel, Single Zone, For FM200 Fire Protection system.....	2,648.81	281.10
21 22 16 00-0405	EA	Control Panel, Multi Zone, For FM200 Fire Protection system.....	4,271.77	562.83
21 22 16 00-0406	EA	Smoke Or Heat Detector, For FM200 Fire Protection system.....	187.80	56.73
21 22 16 00-0407	EA	Annunciator, For FM200 Fire Protection system.....	2,147.89	213.04
21 22 16 00-0408	EA	Pressure Switch, For FM200 Fire Protection system.....	202.61	56.73
21 22 16 00-0409	EA	Alarm Horn, For FM200 Fire Protection system.....	186.37	56.73
21 22 16 00-0410	EA	Testing, For FM200 Fire Protection system.....	961.49	
21 22 16 00-0411	EA	Abort Switch, For FM200 Fire Protection system.....	125.64	26.40

21 23 Wet-Chemical Fire-Extinguishing Systems (21 20)

21 23 16 Wet-Chemical Fire-Extinguishing Equipment (21 23)

21 23 16 00-0001 Kidde Fire Systems (21 23 16)

Note: Kidde or equal.

21 23 16 00-0002 Cylinders And Hardware (21 23 16 00-0001)

21 23 16 00-0003	EA	125 Cylinder And Valve Assembly With 1.25 Gallon Of Wet Agent.....	488.39	58.29
21 23 16 00-0004	EA	260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent.....	563.14	72.61
21 23 16 00-0005	EA	400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent.....	690.30	89.57
21 23 16 00-0006	EA	600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent.....	815.32	106.28
21 23 16 00-0007	EA	Discharge Adapter Kit (One Required Per Cylinder).....	27.29	3.05
21 23 16 00-0008	EA	System Valve Actuator.....	98.48	12.11
21 23 16 00-0009	EA	Vent Plug.....	18.53	2.46
21 23 16 00-0010	EA	Gauge Shield.....	49.23	6.47
21 23 16 00-0011	EA	125 Cylinder Wall Mounting Bracket.....	50.83	6.47
21 23 16 00-0012	EA	260 Cylinder Wall Mounting Bracket.....	53.88	6.87
21 23 16 00-0013	EA	400S And M Cylinder Wall Mounting Bracket.....	102.39	12.95
21 23 16 00-0014	EA	600 And 400M Cylinder Shelf Bracket.....	101.33	14.70
21 23 16 00-0015	EA	600 And 400M Cylinder Floor Mounting Kit.....	144.53	14.73
21 23 16 00-0016	EA	125 And 260 Cylinder Replacement Bracket Strap.....	19.95	
21 23 16 00-0017	EA	400 And 600 Cylinder Replacement Bracket Strap.....	20.98	

21 23 16 00-0018 Nozzles And Accessories (21 23 16 00-0001)

21 23 16 00-0019	EA	ADP, F, GRW Or R Nozzle.....	45.63	5.96
21 23 16 00-0020	EA	LPF Or DM Nozzle.....	49.42	5.96
21 23 16 00-0021	EA	LPR Nozzle.....	57.22	5.96
21 23 16 00-0022	EA	3/8" Swivel Adapter For Nozzles.....	34.14	4.21
21 23 16 00-0023	EA	Replacement Nozzle Seals.....	5.38	
21 23 16 00-0024	EA	Chrome Nozzle Disc Cap.....	3.32	0.39
21 23 16 00-0025	EA	LPR Nozzle Disc Cap.....	20.14	5.93

21 23 16 00-0026 Control Systems (21 23 16 00-0001)

21 23 16 00-0027	EA	XV Control System..... Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.	607.42	38.85
21 23 16 00-0028	EA	7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System).....	52.34	6.47
21 23 16 00-0029	EA	24" High Pressure Hose.....	61.67	6.47
21 23 16 00-0030	EA	60" High Pressure Hose.....	82.40	6.47
21 23 16 00-0031	EA	XV Solenoid Kit (Electric Actuator), 24 VDC.....	120.24	12.95
21 23 16 00-0032	EA	XV Microswitch Kit, SPDT.....	40.16	6.09
21 23 16 00-0033	EA	XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release.....	43.27	6.09
21 23 16 00-0034	EA	EMT Connector Kit (EMT Connector & O-Ring).....	18.00	4.86
21 23 16 00-0035	EA	KRS-50 Control Box Assembly..... Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.	342.51	25.10
21 23 16 00-0036	EA	SPDT Microswitch For KRS-50.....	47.75	6.09
21 23 16 00-0037	EA	DPDT Microswitch For KRS-50.....	86.25	10.56
21 23 16 00-0038	EA	SPDT Pressure Switch (Fire Department Tie-In).....	265.33	33.87

21 23 16 00-0039 Mechanical Actuation Components (21 23 16 00-0001)

21 23 16 00-0040	EA	Universal Detector Link Housing Kit, Mechanical Actuation Systems..... Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.	32.30	9.71
21 23 16 00-0041	EA	XV Low Profile Link Detector Housing Kit..... Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.	46.38	9.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0042 EA XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip.....	120.76	6.47
21 23 16 00-0043 EA XV Remote Manual Release, Pull-To-Trip.....	92.77	6.47
21 23 16 00-0044 EA Corner Pulley, Mechanical Actuation Systems.....	13.33	1.74
21 23 16 00-0045 EA Double Tee Pulley, Mechanical Actuation Systems.....	179.58	10.69
21 23 16 00-0046 EA In-Line Tee Pulley, Mechanical Actuation Systems.....	22.32	2.85
21 23 16 00-0047 EA Corner Pulley / Quik-Seal Adapter Combination.....	48.97	3.24
21 23 16 00-0048 LF 1/16" Cable, Mechanical Actuation Systems.....	1.52	0.65
21 23 16 00-0049 EA Cable Clamp.....	6.87	0.32
21 23 16 00-0050 EA Cable Crimp Sleeve, Mechanical Actuation Systems.....	0.93	0.26
21 23 16 00-0051 EA "S" Hook, Mechanical Actuation Systems.....	0.90	0.26
21 23 16 00-0052 EA 1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems.....	47.61	6.02
21 23 16 00-0053 Mechanical Detection Links (21 23 16 00-0001)		
21 23 16 00-0054 EA KGS Standard Response Link.....	10.86	3.24
21 23 16 00-0055 EA KGS Rapid Response Link.....	15.25	3.24
21 23 16 00-0056 EA KFA Type "A" Fusible Link.....	13.28	3.24
21 23 16 00-0057 EA KML Type "ML" Fusible Link.....	13.73	3.24
21 23 16 00-0058 EA 500 Degree, KML Type "ML" Fusible Link.....	19.95	3.24
21 23 16 00-0059 Gas Valves (21 23 16 00-0001)		
21 23 16 00-0060 EA 3/4" NPT Mechanical Cable Operated Gas Shut-off Valve.....	210.45	13.99
21 23 16 00-0061 EA 1" NPT Mechanical Cable Operated Gas Shut-off Valve.....	229.83	17.22
21 23 16 00-0062 EA 1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve.....	264.67	21.76
21 23 16 00-0063 EA 1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	290.87	25.06
21 23 16 00-0064 EA 2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	315.10	29.60
21 23 16 00-0065 EA 2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	520.37	43.26
21 23 16 00-0066 EA 3" NPT Mechanical Cable Operated Gas Shut-off Valve.....	581.73	50.07
21 23 16 00-0067 EA Pneumatic Release (Single Unit).....	239.01	15.80
21 23 16 00-0068 EA Replacement Cable Block And Set Screw Assembly For Gas Valve.....	29.28	3.24
21 23 16 00-0069 EA 1/2" Electric Solenoid Gas Shut-off Valve.....	219.10	13.02
21 23 16 00-0070 EA 3/4" Electric Solenoid Gas Shut-off Valve.....	221.05	13.99
21 23 16 00-0071 EA 1" Electric Solenoid Gas Shut-off Valve.....	339.62	17.22
21 23 16 00-0072 EA 1-1/4" Electric Solenoid Gas Shut-off Valve.....	360.84	21.76
21 23 16 00-0073 EA 1-1/2" Electric Solenoid Gas Shut-off Valve.....	414.29	25.06
21 23 16 00-0074 EA 2" Electric Solenoid Gas Shut-off Valve.....	531.66	29.60
21 23 16 00-0075 EA 2-1/2" Electric Solenoid Gas Shut-off Valve.....	877.01	43.26
21 23 16 00-0076 EA 3" Electric Solenoid Gas Shut-off Valve.....	1,100.41	50.07
21 23 16 00-0077 EA Manual Reset Relay.....	315.71	65.09
21 23 16 00-0078 Liquid Tight Sealing Adapters (21 23 16 00-0001)		
21 23 16 00-0079 EA Compression Seal Adapter - 3/8" Tubing.....	24.37	2.72
21 23 16 00-0080 EA Compression Seal Adapter - 1/2" Tubing / 1/4" Pipe.....	24.09	2.97
21 23 16 00-0081 EA Compression Seal Adapter - 5/8" Tubing / 3/8" Pipe.....	28.31	3.56
21 23 16 00-0082 EA Compression Seal Adapter - 3/4" Tubing / 1/2" Pipe.....	32.58	3.82
21 23 16 00-0083 EA Compression Seal Adapter - 1/2" Electrical Metallic Tubing (EMT).....	28.31	3.56
21 23 16 00-0084 EA Quik-Seal Adapter - 3/8" NPT Female.....	24.09	2.97
21 23 16 00-0085 EA Quik-Seal Adapter - 1/2" NPT Female.....	24.09	2.97
21 23 16 00-0086 EA Quik-Seal Adapter - 3/4" NPT Female.....	39.61	5.05
21 23 16 00-0087 EA Quik-Seal Adapter - 1" NPT Female.....	52.72	6.68
21 23 16 00-0088 EA Quik-Patch For Hole Patching Up To 1-1/8" Diameter.....	24.09	2.97
21 23 16 00-0089 Pressure Operated Releasing Systems (21 23 16 00-0001)		
21 23 16 00-0090 EA KRS-100 Nitrogen Cylinder.....	174.64	19.56
21 23 16 00-0091 EA KRS-100 Actuator Assembly.....	157.25	19.95
21 23 16 00-0092 EA KRS-100 Mounting Bracket.....	120.33	4.92
21 23 16 00-0093 EA KRS-700S Nitrogen Cylinder.....	451.26	56.41
21 23 16 00-0094 EA KRS-700S Mounting Bracket.....	96.07	12.05
21 23 16 00-0095 EA KRS-700S Discharge Adapter Kit.....	143.67	12.05
21 23 16 00-0096 EA Check Valve, Pressure Operated Releasing Systems.....	141.25	8.55
21 23 16 00-0097 EA Vent Check, Pressure Operated Releasing Systems.....	44.26	5.44
21 23 16 00-0098 EA Replacement Receiver Gasket For KRS-100 Actuator Assembly.....	5.80	
21 23 16 00-0099 EA 3 Pole, Double Throw Pressure Switch.....	361.75	45.34
21 23 16 00-0100 Pyro-Chem Kitchen Fire Suppression Systems (21 23 16)		
21 23 16 00-0101 Cylinders, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0102 EA 3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194).....	464.78	45.98
21 23 16 00-0103 EA 4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193).....	669.51	66.25
21 23 16 00-0104 EA 6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196).....	880.07	90.61
21 23 16 00-0105 EA Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053).....	95.58	10.82
21 23 16 00-0106 EA Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208).....	629.19	70.72
21 23 16 00-0107 EA Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966).....	384.16	43.13
21 23 16 00-0108 Fusible Links, Kitchen Fire Suppression Systems (21 23 16 00-0100)		

21	Fire Suppression
21 20	Fire-Extinguishing Systems
21 23	Wet-Chemical Fire-Extinguishing Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0109 EA 165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522)	12.41	1.42
21 23 16 00-0110 EA 212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523)	12.41	1.42
21 23 16 00-0111 EA 280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524)	12.70	1.42
21 23 16 00-0112 EA 360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525)	12.41	1.42
21 23 16 00-0113 EA 450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526)	12.41	1.42
21 23 16 00-0114 EA 500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527)	13.46	1.42
21 23 16 00-0115 EA Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131)	21.49	2.40
21 23 16 00-0116 EA Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132)	27.89	3.18
21 23 16 00-0117 EA Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876)	37.24	16.39
21 23 16 00-0118 EA 225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6)	269.92	36.46
21 23 16 00-0119 Gas Valves, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0120 EA 3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593)	221.41	13.99
21 23 16 00-0121 EA 1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594)	252.51	17.22
21 23 16 00-0122 EA 1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595)	273.33	21.76
21 23 16 00-0123 EA 1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596)	300.94	25.00
21 23 16 00-0124 EA 2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049)	346.37	29.54
21 23 16 00-0125 EA 2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185)	800.47	43.20
21 23 16 00-0126 EA 3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186)	855.13	50.00
21 23 16 00-0127 EA 3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358)	174.49	13.99
21 23 16 00-0128 EA 1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359)	295.90	17.22
21 23 16 00-0129 EA 1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360)	309.68	21.76
21 23 16 00-0130 EA 1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361)	352.53	25.00
21 23 16 00-0131 EA 2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362)	487.09	29.54
21 23 16 00-0132 EA 2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363)	938.83	43.20
21 23 16 00-0133 EA 3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643)	991.16	50.00
21 23 16 00-0134 Nozzles, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0135 EA Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	44.43	4.79
21 23 16 00-0136 EA Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	62.91	6.09
21 23 16 00-0137 EA Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	238.75	6.09
21 23 16 00-0138 Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0139 EA Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059)	16.42	1.88
21 23 16 00-0140 EA PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104)	537.95	60.82
21 23 16 00-0141 EA PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690)	685.56	77.78
21 23 16 00-0142 Circuit Monitors, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0143 EA 24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303)	351.67	39.83
21 23 16 00-0144 EA 120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302)	424.31	47.99
21 23 16 00-0145 Control Heads, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0146 EA Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203)	387.99	43.91
21 23 16 00-0147 EA Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200)	404.98	45.91
21 23 16 00-0148 EA 24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201)	527.49	59.71
21 23 16 00-0149 EA 120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202)	605.16	68.65
21 23 16 00-0150 EA Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853)	49.15	5.57
21 23 16 00-0151 Corner Pulleys/Tees, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0152 EA Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670)	12.18	0.91
21 23 16 00-0153 EA Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250)	12.59	1.17
21 23 16 00-0154 EA Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166)	39.41	4.47
21 23 16 00-0155 EA Replacement Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272)	0.51	
21 23 16 00-0156 Switches, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0157 EA SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227)	42.85	4.86
21 23 16 00-0158 EA DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237)	85.84	9.65
21 23 16 00-0159 EA Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978)	181.65	20.46
21 23 16 00-0160 Wire Rope/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0161 LF 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821)	0.89	0.19
21 23 16 00-0162 EA Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122)	0.55	0.19
21 23 16 00-0163 EA High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551)	2.13	0.26
21 23 16 00-0164 EA "S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121)	0.38	
21 23 16 00-0165 Replacement Parts, Kitchen Fire Suppression Systems (21 23 16 00-0100)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0166 EA Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698)	40.74	4.66
21 23 16 00-0167 EA Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831)	42.52	4.86
21 23 16 00-0168 EA Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705)	4.98	0.58
21 23 16 00-0169 EA 225 psi, Wet Gage, Kitchen Fire Suppression Systems (Pyro-Chem 551236)	58.40	6.34
21 23 16 00-0170 EA Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716).....	8.20	0.91
21 23 16 00-0171 EA Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707)	11.40	1.29
21 23 16 00-0172 EA Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715)	4.98	0.58
21 23 16 00-0173 EA Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528).....	7.02	0.78
21 23 16 00-0174 EA Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529).....	6.86	0.78
21 23 16 00-0175 EA Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530).....	1.95	0.19
21 23 16 00-0176 EA Replacement Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257).....	3.33	
21 23 16 00-0177 EA O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063)	63.52	
21 23 16 00-0178 EA 3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024)	431.15	
21 23 16 00-0179 EA 4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902)	560.49	
21 23 16 00-0180 EA 6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901)	647.74	
21 23 16 00-0181 Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0182 EA 3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857)	19.94	2.20
21 23 16 00-0183 EA 1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859)	20.65	2.33
21 23 16 00-0184 EA Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788)	39.77	4.47
21 23 16 00-0185 EA Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240).....	56.29	
21 23 16 00-0186 EA 3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188).....	120.96	
21 23 16 00-0187 Pull Stations/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0188 EA Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074)	80.37	9.14
21 23 16 00-0189 EA Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166)	86.65	12.83
21 23 16 00-0190 EA Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088)	21.49	2.40
21 23 16 00-0191 EA Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661)	2.99	0.84
21 23 16 00-0192 Asco Gas Valve Control Panels (21 23 16)		
21 23 16 00-0193 EA Relay Control Panel For AC Solenoid Valves (Asco 108D90C).....	1,310.40	142.48
21 23 16 00-0194 EA Relay Control Panel For DC Solenoid Valves (Asco 108D10C)	1,352.97	142.48
21 23 16 00-0195 EA Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89)	437.15	32.38
21 23 16 00-0196 EA Emergency Stop Station For Relay Control Panel (Asco 173A19)	409.34	32.38
21 24 Dry-Chemical Fire-Extinguishing Systems (21 20)		
21 24 16 Dry-Chemical Fire-Extinguishing Equipment (21 24)		
21 24 16 00-0001 Amerex KP Restaurant Fire Suppression Systems (21 24 16)		
Note: Amerex or equal.		
21 24 16 00-0002 EA Agent Cylinder Assembly 3.75 Gallon (With Discharge Valve) Charged	310.20	50.26
21 24 16 00-0003 EA Agent Cylinder Assembly 6 Gallon (With Discharge Valve) Charged	429.59	63.38
21 24 16 00-0004 EA Recharge - KP Liquid Agent (3.75 Gallon).....	102.02	
21 24 16 00-0005 EA Recharge - KP Liquid Agent (6 Gallon).....	179.35	
21 24 16 00-0006 EA Bracket Assembly Agent Cylinder 3.75 Gallon (With Distribution Hose Assembly And Distribution Outlet)	71.41	10.55
21 24 16 00-0007 EA Bracket Assembly Agent Cylinder 6 Gallon	41.60	6.12
21 24 16 00-0008 EA Discharge Adapter Kit 3/4 NPT - Agent Cylinder 6 Gallon.....	18.04	
21 24 16 00-0009 EA Pneumatic Actuator - Agent Cylinder 6 Gallon.....	71.41	10.55
21 24 16 00-0010 EA Actuator - MRM (Less N2 Cylinder And Enclosure).....	179.35	26.45
21 24 16 00-0011 EA Enclosure - MRM, Painted Steel.....	95.58	14.07
21 24 16 00-0012 EA Enclosure - MRM, Stainless Steel	115.27	14.07
21 24 16 00-0013 EA Cabinet, Stainless Steel (Single Cylinder System)	284.60	42.00
21 24 16 00-0014 EA Actuation Hose - (N2 - 1/4" x 16").....	21.48	3.16
21 24 16 00-0015 EA Cylinder, Nitrogen - 10 CU. In. (Use For 1-10 Agent Cylinders)	95.58	14.07
21 24 16 00-0016 EA Vent Check	17.19	2.53
21 24 16 00-0017 EA Detector	12.89	1.89
Note: Includes bracket, linkage and conduit fittings.		
21 24 16 00-0018 EA Fusible Link - 280 To 450 Degree F	4.83	0.71
21 24 16 00-0019 EA Test Link.....	1.76	
21 24 16 00-0020 EA Corner Pulley	6.66	0.99
21 24 16 00-0021 EA Cable, 1/16" - 500 Foot Spool.....	107.39	15.82
21 24 16 00-0022 EA Pulley Tee.....	48.32	7.11
21 24 16 00-0023 EA Manual Pull Station (Standard)	42.96	6.33
21 24 16 00-0024 EA Adapter Kit - Manual Pull Station (Recess Standard Pull Station)	20.16	2.95
21 24 16 00-0025 EA Manual Pull Station (Oversized)	47.90	7.03
21 24 16 00-0026 EA Conduit Offset.....	9.56	1.41
21 24 16 00-0027 EA Seal - 3/8" Pipe Thread (Quick-Seal).....	13.18	1.97
21 24 16 00-0028 EA Seal - 1/2" Pipe Thread (Quick-Seal).....	10.73	1.62
21 24 16 00-0029 EA 3/8" Pipe Compression Seal	17.94	2.67
21 24 16 00-0030 EA 1/2" Pipe Compression Seal	17.94	2.67
21 24 16 00-0031 EA Cap, Nozzle Blow-Off (Standard).....	5.53	1.82
21 24 16 00-0032 EA Cap, Nozzle Blow-Off (High Temperature)	11.97	1.82
21 24 16 00-0033 EA Nozzle - Fryer, Griddle - 2 Flow Points Each	21.47	3.16
21 24 16 00-0034 EA Nozzle - Appliance, Plenum - 1 Flow Points Each	21.47	3.16
21 24 16 00-0035 EA Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each.....	21.47	3.16
21 24 16 00-0036 EA Nozzle - Upright Charbroiler - 1/2 Flow Points Each.....	21.47	3.16

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 24 Dry-Chemical Fire-Extinguishing Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

21 24 16 00-0037	EA	Nozzle - Duct (Only) - 2 Flow Points Each.....	21.47	3.16
21 24 16 00-0038	EA	Nozzle - Four Burner Range - 2 Flow Points Each.....	30.89	4.58
21 24 16 00-0039	EA	Gas Valve - Mechanical - 3/4" Or 1".....	168.28	18.65
21 24 16 00-0040	EA	Gas Valve - Mechanical - 1-1/4" Or 1-1/2".....	200.31	27.08
21 24 16 00-0041	EA	Gas Valve - Mechanical - 2".....	248.78	32.01
21 24 16 00-0042	EA	Manual Reset Relay (Required With Every Electric Gas Valve).....	270.63	39.89
21 24 16 00-0043	EA	SPDT Microswitch With 18" Leads.....	14.24	2.11
21 24 16 00-0044	EA	Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve.....	22.98	3.38
21 24 16 00-0045	EA	Gas Valve Trip Assembly.....	48.32	7.11

21 24 16 00-0046 Range Guard Fire Suppression Systems (21 24 16)

Note: Range Guard or equal.

21 24 16 00-0047	EA	1-1/4 Gallon Charged Cylinder With Valve.....	329.75	54.33
21 24 16 00-0048	EA	2-1/2 Gallon Charged Cylinder With Valve.....	411.61	67.81
21 24 16 00-0049	EA	4 Gallon Charged Cylinder With Valve.....	508.16	83.74
21 24 16 00-0050	EA	6 Gallon Charged Cylinder With Valve.....	603.58	99.41
21 24 16 00-0051	EA	Vent Plug.....	13.86	2.27
21 24 16 00-0052	EA	Discharge Adapter Kit.....	17.84	
21 24 16 00-0053	EA	1-1/4 Gallon Wall Bracket.....	36.70	6.02
21 24 16 00-0054	EA	2-1/2 Gallon Wall Bracket.....	38.85	6.41
21 24 16 00-0055	EA	4 Gallon Wall Bracket.....	73.36	12.11
21 24 16 00-0056	EA	6 Gallon Wall Bracket.....	81.30	13.40
21 24 16 00-0057	EA	Mechanical Control Head, No Microswitch.....	286.83	47.27
21 24 16 00-0058	EA	Mechanical Control Head, 1 Microswitch.....	299.25	49.28
21 24 16 00-0059	EA	Mechanical Control Head, 2 Microswitches.....	343.29	56.54
21 24 16 00-0060	EA	Tandem Control Head.....	260.86	43.00
21 24 16 00-0061	EA	Electric Control Head, 120 Volt AC / 24 Volt DC.....	441.54	72.73
21 24 16 00-0062	EA	Mechanical Control Box.....	196.49	32.38
21 24 16 00-0063	EA	Tandem Control Box.....	196.49	32.38
21 24 16 00-0064	EA	Mechanical Control Box Adapter.....	57.60	9.52
21 24 16 00-0065	EA	A+ Control head With 1 Pressure Operated Actuator.....	173.08	28.50
21 24 16 00-0066	EA	Pressure Operated Actuator.....	71.14	11.72
21 24 16 00-0067	EA	BMCS-1 Nitrogen Cylinder.....	115.18	18.98
21 24 16 00-0068	EA	BMCS-1 Actuator Assembly.....	117.44	19.36
21 24 16 00-0069	EA	BMCS-1 Mounting Bracket.....	28.80	4.73
21 24 16 00-0070	EA	BMCS-7 Nitrogen Cylinder.....	332.35	54.73
21 24 16 00-0071	EA	BMCS-7 Mounting Bracket.....	71.14	11.72
21 24 16 00-0072	EA	BMCS-7 Discharge Adapter Kit.....	71.14	11.72
21 24 16 00-0073	EA	Check Valve.....	61.49	13.93
21 24 16 00-0074	EA	Vent Check For Use With BMCS Systems.....	32.19	5.31
21 24 16 00-0075	EA	Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator.....	14.01	2.31
21 24 16 00-0076	EA	Replacement Receiver Gasket For BMCS-Actuator Assembly.....	3.69	
21 24 16 00-0077	EA	Pneumatic Control Head For Slave Cylinders.....	73.40	12.11
21 24 16 00-0078	EA	Nozzles; ADP, F, R And GRW.....	33.64	5.57
21 24 16 00-0079	EA	Nozzles; DM And LPF.....	37.49	6.15
21 24 16 00-0080	EA	Swivel Adapter.....	23.72	3.88
21 24 16 00-0081	EA	Corner Pulley.....	10.16	1.68
21 24 16 00-0082	LF	1/16" Stainless Steel Cable.....	0.49	0.19
21 24 16 00-0083	EA	Cable Crimp Sleeve.....	0.59	0.19
21 24 16 00-0084	EA	"S" Hook.....	0.44	0.13
21 24 16 00-0085	EA	Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT.....	34.99	5.77
21 24 16 00-0086	EA	Cable Clamp.....	3.12	0.51
21 24 16 00-0087	EA	Nico Sleeves - 1/16" Cable.....	0.44	0.13
21 24 16 00-0088	EA	3/8" Cable Anchor.....	36.98	6.09
21 24 16 00-0089	EA	1/2" Cable Anchor.....	36.98	6.09
21 24 16 00-0090	EA	Mechanical Remote Manual Release (Pull Cable).....	59.81	9.84
21 24 16 00-0091	EA	Tee Pulley, Use For Mechanical Pull And Gas Valve.....	63.84	10.49
21 24 16 00-0092	EA	Surface Remote Manual Release, End-of-line.....	74.79	12.30
21 24 16 00-0093	EA	Surface Remote Manual Release, In line Conservation Kit.....	23.43	3.88
21 24 16 00-0094	EA	Surface Remote Manual Release, In line And End Of Line.....	98.19	16.12
21 24 16 00-0095	EA	Recessed Remote Manual Release, End-of-line.....	74.79	12.30
21 24 16 00-0096	EA	Recessed Remote Manual Release, In Line Kit.....	89.15	14.70
21 24 16 00-0097	EA	Pulley Tee, Remote In Line Only.....	16.02	2.65
21 24 16 00-0098	EA	Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve.....	17.80	2.91
21 24 16 00-0099	EA	Fusible Link 165F To 360F.....	5.83	0.97
21 24 16 00-0100	EA	Fusible Link 500F.....	8.97	0.97
21 24 16 00-0101	EA	Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves.....	17.80	2.91
21 24 16 00-0102	EA	Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve.....	13.44	2.91
21 24 16 00-0103	EA	Quartzoid Link 400 F.....	95.92	15.80
21 24 16 00-0104	EA	Quartzoid Link 500 F.....	95.92	15.80
21 24 16 00-0105	EA	SPDT Micro Switch For Use With A Plus Control Box.....	34.38	5.64
21 24 16 00-0106	EA	DPDT Micro Switch For Use With A Plus Control Box.....	59.81	9.84
21 24 16 00-0107	EA	SPDT Micro Switch For Use With A Mechanical Control Box.....	35.55	5.83
21 24 16 00-0108	EA	DPDT Micro Switch For Use With A Mechanical Control Box.....	61.62	10.16
21 24 16 00-0109	EA	SPDT Micro Switch For Use With PRCB.....	45.14	7.45
21 24 16 00-0110	EA	DPDT Micro Switch For Use With PRCB.....	65.12	10.69
21 24 16 00-0111	EA	Pressure Switch, SPDT (Fire Dept. Tie In).....	190.73	31.41
21 24 16 00-0112	EA	Circuit Monitor 12 Or 24 Volt DC.....	85.78	14.12
21 24 16 00-0113	EA	Circuit Monitor 120 Volt AC.....	85.78	14.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0114 EA Electric Manual Pull Station	62.63	10.30
21 24 16 00-0115 EA 6", 24 Volt DC, Motor Bell	34.99	5.77
21 24 16 00-0116 EA 10", 115 Volt AC Motor Bell	49.66	8.16
21 24 16 00-0117 EA Fuse, 1.2 For ECH	4.03	0.65
21 24 16 00-0118 EA Indicator Lamp 12 Or 24 Volt DC	17.80	2.91
21 24 16 00-0119 EA Indicator Lamp 120 Volt AC	17.80	2.91
21 24 16 00-0120 EA B-10 Manual Station Dual Action, SPDT	65.46	10.75
21 24 16 00-0121 EA B-11 Manual Station Dual Action, DPDT	72.23	11.92
21 24 16 00-0122 EA Break Rods For B10/B11 Manual Pull Station	2.13	0.84
21 24 16 00-0123 EA Spare Key For B10/B11 Manual Stations	9.03	1.49
21 24 16 00-0124 EA MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill	97.06	15.99
21 24 16 00-0125 EA Suppression Abort Station	102.70	16.90
21 24 16 00-0126 EA Suppression Abort Station With Surface Mount Back Box	119.63	19.68
21 24 16 00-0127 EA Surface Mount Back Box	39.50	6.47
21 24 16 00-0128 EA Single Hazard Control Unit, 120 Volt AC IP	733.55	120.66
21 24 16 00-0129 EA Single Hazard Control Unit, 240 Volt AC IP	733.55	120.66
21 24 16 00-0130 EA 1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	60.95	10.03
21 24 16 00-0131 EA Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	2.38	0.45
21 24 16 00-0132 EA Spare Scorpio Circuit Board	530.38	
21 24 16 00-0133 EA Extra Scorpio Key	9.03	
21 24 16 00-0134 EA Extra Scorpio Manual	5.65	
21 24 16 00-0135 EA Compression Seal Adapter 3/8" Pipe	15.35	2.52
21 24 16 00-0136 EA Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe	16.67	2.72
21 24 16 00-0137 EA Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe	20.05	3.31
21 24 16 00-0138 EA Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe	21.45	3.50
21 24 16 00-0139 EA Quik Seal Adapter 3/8" NPT Female	16.67	2.72
21 24 16 00-0140 EA Quik Seal Adapter 1/2" NPT Female	16.67	2.72
21 24 16 00-0141 EA Quik Seal Adapter 3/4" NPT Female	28.51	4.73
21 24 16 00-0142 EA Quik Seal Adapter 1" NPT Female	37.80	6.22
21 24 16 00-0143 EA Quik Patch (Up To 1-1/8" Diameter)	16.67	2.72
21 24 16 00-0144 EA 1-1/4 Gallon Karbaloy Charge	37.08	
21 24 16 00-0145 EA 2-1/2 Gallon Karbaloy Charge	63.76	
21 24 16 00-0146 EA 4 Gallon Karbaloy Charge	96.36	
21 24 16 00-0147 EA 6 Gallon Karbaloy Charge	141.02	
21 24 16 00-0148 EA Inlet Flushing Adapter	27.65	4.54
21 24 16 00-0149 EA 1/2" Flushing Adapter (Outlet)	27.65	4.54
21 24 16 00-0150 EA 1/8" Flushing Adapter (Outlet)	27.65	4.54
21 24 16 00-0151 EA 1/4" Flushing Adapter (Outlet)	27.65	4.54
21 24 16 00-0152 EA 3/8" Flushing Adapter (Outlet)	27.65	4.54
21 24 16 00-0153 EA Recharge Adapter (Old Style Cylinder Valve Assembly Only)	38.37	
21 24 16 00-0154 EA Instruction Label (In Case Of Fire) - MCB	3.11	
21 24 16 00-0155 EA Caution Sign (Turn On Fan)	3.68	
21 24 16 00-0156 EA Inspection Label (Authorized installers only)	2.66	
21 24 16 00-0157 EA Label, Warning, A+ Control Box	1.98	
21 24 16 00-0158 EA Wet Chemical System Kits, RG-1.25G Kit; #23315	485.24	79.86
21 24 16 00-0159 EA Wet Chemical System Kits, RG-2.5G Kit; #23316	566.50	93.20
21 24 16 00-0160 EA Wet Chemical System Kits, RG-4GS Kit; #23317	705.32	116.06
21 24 16 00-0161 EA Wet Chemical System Kits, RG-4GT Kit; #23318	705.32	116.06
21 24 16 00-0162 EA Wet Chemical System Kits, RG-6G Kit; #23319	886.99	145.92
21 24 16 00-0163 EA Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	420.36	69.17
21 24 16 00-0164 EA Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	394.96	64.96
21 24 16 00-0165 EA Wet Chemical System Kits, A Plus Control Box Kit; #23322	319.36	52.53
21 24 16 00-0166 EA Wet Chemical System Kits, Valve Rebuild Kit; #23210	552.95	90.99
21 24 16 00-0167 EA Wet Chemical System Kits, BMCS-1 Package; #23208	506.67	83.36

21 30 Fire Pumps ⁽²¹⁾

21 31 Centrifugal Fire Pumps ^(21 30)

21 31 13 Electric-Drive, Centrifugal Fire Pumps ^(21 31)

21 31 13 00-0001 Electric-Drive Fire Pumps ^(21 31 13)

Note: Includes fire pump, motor, motor starter, alarm panel, automatic transfer switch, and controller.

21 31 13 00-0002 EA 20 HP Electric Fire Pump	30,490.37	1,248.45
<i>For Duplex Pumping System, Add</i>	<i>29,241.92</i>	
21 31 13 00-0003 EA 30 HP Electric Fire Pump	35,550.19	1,404.51
<i>For Duplex Pumping System, Add</i>	<i>34,249.72</i>	
21 31 13 00-0004 EA 40 HP Electric Fire Pump	48,429.54	1,560.57
<i>For Duplex Pumping System, Add</i>	<i>46,984.57</i>	
21 31 13 00-0005 EA 50 HP Electric Fire Pump	59,850.40	1,797.81
<i>For Duplex Pumping System, Add</i>	<i>58,052.60</i>	
21 31 13 00-0006 EA 75 HP Electric Fire Pump	66,807.31	1,961.24
<i>For Duplex Pumping System, Add</i>	<i>64,846.07</i>	

21 31 16 Diesel-Drive, Centrifugal Fire Pumps ^(21 31)

21 31 16 00-0001 Diesel-Drive Fire Pumps ^(21 31 16)

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump, motor, motor starter, alarm panel, and controller.

21 31 16 00-0002 EA 30 HP Diesel Driven Fire Pump, NFPA-20 Specific	44,941.66	1,470.93
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21 Fire Suppression**21 30 Fire Pumps****21 31 Centrifugal Fire Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 31 16 00-0003 EA 40 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	50,836.60	1,634.37
21 31 16 00-0004 EA 50 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	53,421.10	1,797.81
21 31 16 00-0005 EA 75 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	60,785.48	1,961.24
21 31 16 00-0006 EA 150 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	64,535.78	2,288.11
21 31 16 00-0007 EA 175 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	69,502.72	2,941.86
21 31 16 00-0008 EA 200 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	75,448.67	3,268.73
21 31 16 00-0009 EA 250 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	86,272.78	3,726.36
21 31 16 00-0010 EA 300 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	103,300.77	4,020.55
21 31 16 00-0011 EA 350 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	121,189.33	4,576.23
21 31 16 00-0012 EA 400 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	143,800.21	4,903.10
21 31 16 00-0013 EA 500 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	161,906.96	5,229.97
21 31 16 00-0014 Electric Controllers For Fire Pumps <small>(21 31 16)</small>		
21 31 16 00-0015 Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller <small>(21 31 16 00-0014)</small>		
21 31 16 00-0016 EA 30 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	17,094.10	147.09
21 31 16 00-0017 EA 40 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	19,354.02	163.44
21 31 16 00-0018 EA 50 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	20,289.76	179.78
21 31 16 00-0019 EA 75 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	23,137.45	196.12
21 31 16 00-0020 EA 150 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	24,441.43	228.81
21 31 16 00-0021 EA 175 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	26,035.97	294.18
21 31 16 00-0022 EA 200 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	28,218.23	326.87
21 31 16 00-0023 EA 250 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	32,273.27	372.63
21 31 16 00-0024 EA 300 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	38,907.95	402.06
21 31 16 00-0025 EA 350 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	45,730.04	457.63
21 31 16 00-0026 EA 400 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	54,578.22	490.32
21 31 16 00-0027 EA 500 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	61,624.80	522.99

END OF SECTION 21



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing⁽²²⁾

22 01 10 Operation And Maintenance Of Plumbing Piping And Pumps^(22 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

22 01 10 61 Plumbing Piping Repairs^(22 01 10)

22 01 10 61-0001 Pipe Repair Clamps^(22 01 10 61)

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	23.96
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	25.01
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	27.52
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	29.41
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	31.92
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	40.78
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	52.24
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	60.93
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	69.91
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	38.07
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	39.73
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	43.99
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	48.35
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	53.36
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	68.97
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	84.35
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	96.51
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	109.61
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	53.22
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	55.51
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	61.36
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	67.31
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	76.01
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	93.20
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	110.42
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	133.27
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	163.77
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	168.19
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	180.17

22 01 40 Operation and Maintenance of Plumbing Fixtures^(22 01)

22 01 40 81 Plumbing Fixtures Replacement^(22 01 40)

22 01 40 81-0001 Fixture And/Or Trim Replacement^(22 01 40 81)

Note: Includes removal of existing item(s) and installation of new item(s).

22 01 40 81-0002	EA	3/8" To 1/2" Compression Shut-off Valve Replacement With 15" Polybutylene Supply Tube	38.76
22 01 40 81-0003	EA	3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory Replacement	14.61
22 01 40 81-0004	EA	Chrome Supply Lines To Sink/Lavatory Replacement, Pair	19.47
22 01 40 81-0005	EA	Single Bowl Sink/Lavatory Drain Line Replacement	26.50

22 Plumbing**22 01 Operation and Maintenance of Plumbing****22 01 40 Operation and Maintenance of Plumbing Fixtures**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 01 40 81-0006	EA	Double Bowl Sink/Lavatory Drain Line Replacement.....	41.72	
22 01 40 81-0007	EA	Shower Head, Polished Chrome, Replacement.....	31.27	
22 01 40 81-0008	EA	Shower Arm Replacement.....	25.27	
22 01 40 81-0009	EA	Shower Head Replacement.....	30.02	
22 01 40 81-0010	EA	Shower Knob Replacement.....	23.46	
22 01 40 81-0011	EA	Shower and Tub Control Trim Replacement.....	64.77	
		Note: Excludes balancing valve.		
22 01 40 81-0012	EA	Sink Basket Strainer Replacement.....	16.25	
22 01 40 81-0013	EA	Sink Drain Without Stopper, 1-1/2" Replacement.....	9.07	
22 01 40 81-0014	EA	Sink Drain Without Stopper, 4-1/2" Replacement.....	9.49	
22 01 40 81-0015	EA	Sink Drain With Stopper, 1-1/2" Replacement.....	9.07	
22 01 40 81-0016	EA	1" Sink Rubber Stopper Replacement.....	6.25	
22 01 40 81-0017	EA	Sink Tailpiece Extension 1-1/2" x 8" Replacement.....	15.82	
22 01 40 81-0018	EA	Sink Trap, Adjustable, 1-1/2" Replacement.....	25.30	
22 01 40 81-0019	EA	Lavatory Pop-Up Rod Replacement.....	19.37	
22 01 40 81-0020	EA	Lavatory Pop-up Drain Stopper Replacement.....	20.55	
22 01 40 81-0021	EA	Faucet Handle Replacement.....	21.82	
22 01 40 81-0022	EA	Faucet O-Ring Replacement.....	16.39	
22 01 40 81-0023	EA	1-1/2" Faucet Hole Cover.....	11.57	
22 01 40 81-0024	EA	Toilet Ballcock Replacement.....	26.09	
22 01 40 81-0025	EA	Toilet Bowl Ring, Flat Wax, Replacement.....	4.91	
		Note: Excludes removal of toilet.		
22 01 40 81-0026	EA	Toilet Tank Replacement.....	110.72	
22 01 40 81-0027	EA	Toilet Bowl, 10" Replacement.....	129.86	
22 01 40 81-0028	EA	Toilet Bowl, 10", Low-Flush Watersaver, Replacement.....	142.81	
22 01 40 81-0029	EA	Toilet Bowl, 12", Replacement.....	155.31	
22 01 40 81-0030	EA	Toilet Bowl, Elongated, 18", Replacement.....	134.22	
22 01 40 81-0031	EA	Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers Replacement.....	14.58	
22 01 40 81-0032	EA	Toilet Flapper With Chain Replacement.....	12.46	
22 01 40 81-0033	EA	Toilet Flush Tank Lever Replacement.....	12.84	
22 01 40 81-0034	EA	Elongated Toilet Seat With Lid Replacement.....	80.15	
22 01 40 81-0035	EA	Elongated Toilet Seat Without Lid Replacement.....	63.60	
22 01 40 81-0036	EA	Handicap Toilet Seat Replacement, Complete With Rails.....	117.47	
22 01 40 81-0037	EA	Diverter Tub Spout Replacement.....	37.18	
22 01 40 81-0038	EA	Tub Spout Replacement.....	26.09	
22 01 40 81-0039	EA	2" Tub Stopper, Replacement.....	7.05	
22 01 40 81-0040	EA	Tub Waste/Overflow Replacement.....	51.66	
22 01 40 81-0041	EA	Tub Stem Bonnet Assembly Replacement.....	24.19	
22 01 40 81-0042	EA	Faucet Bonnet Replacement.....	27.72	
22 01 40 81-0043	EA	Faucet Diverter Stem Replacement.....	17.00	
22 01 40 81-0044	EA	Faucet Diverter Stem And Bonnet Replacement.....	23.08	
22 01 40 81-0045	EA	Faucet Spout Replacement.....	27.35	
22 01 40 81-0046	EA	Faucet Stem Replacement.....	19.56	
22 01 40 81-0047	EA	Chrome Plated Plastic Drinking Fountain Bubbler Valve With Flexible Bubbler Guard Replacement.....	131.53	
22 01 40 81-0048	EA	Chrome Plated Brass Drinking Fountain Bubbler Valve Replacement.....	165.50	
22 01 40 81-0049	EA	Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve Replacement.....	100.30	

22 05 Common Work Results for Plumbing ⁽²²⁾**22 05 13 Common Motor Requirements For Plumbing Equipment** ^(22 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings And Loops For Plumbing Piping ^(22 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping ^(22 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

22 05 19 Meters And Gages For Plumbing Piping ^(22 05)

See CSI section 23 05 19 00-0000 for gages, 33 19 11 00-0000 for water utility service metering.

22 05 23 General-Duty Valves For Plumbing Piping ^(22 05)

See CSI section 23 05 23 00-0000 for valves.

22 05 23 00-0001 Mud Valves (Drain Plug Valves) ^(22 05 23)

Note: For settling basins, waterworks, sewage treatment plants where sedimentaceous material must be flushed from system.

22 05 23 00-0002	EA	4" Flanged End, Non Rising Stem Mud Valve.....	790.50	184.58
22 05 23 00-0003	EA	6" Flanged End, Non Rising Stem Mud Valve.....	913.18	233.16
22 05 23 00-0004	EA	8" Flanged End, Non Rising Stem Mud Valve.....	1,162.61	282.15
22 05 23 00-0005	EA	10" Flanged End, Non Rising Stem Mud Valve.....	1,708.45	343.48
22 05 23 00-0006	EA	12" Flanged End, Non Rising Stem Mud Valve.....	2,011.27	417.09
22 05 23 00-0007	EA	14" Flanged End, Non Rising Stem Mud Valve.....	3,658.30	518.11
22 05 23 00-0008	EA	16" Flanged End, Non Rising Stem Mud Valve.....	4,323.46	569.93

22 05 29 Hangers And Supports For Plumbing Piping And Equipment ^(22 05)

See CSI section 23 05 29 00-0000 for hangers and supports.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 48 Vibration And Seismic Controls For Plumbing Piping And Equipment <small>(22 05)</small>		
22 05 48 13 Vibration Controls For Plumbing Piping And Equipment <small>(22 05 48)</small>		
See CSI section 23 05 48 13-0000 for vibration and seismic control.		
22 05 53 Identification For Plumbing Piping And Equipment <small>(22 05)</small>		
See CSI section 23 05 53 00-0000 for identification.		
22 05 76 Facility Drainage Piping Cleanouts <small>(22 05)</small>		
22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover <small>(22 05 76)</small>		
Note: For floor installation.		
22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover <small>(22 05 76 00-0001)</small>		
22 05 76 00-0003 EA 2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	277.04	37.42
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0004 EA 3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	304.40	46.93
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0005 EA 4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	378.66	56.70
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0006 EA 5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	529.46	63.45
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0007 EA 6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	644.42	68.73
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0008 Cast Iron Heavy Duty Cleanout With Plug And Round Cover <small>(22 05 76 00-0001)</small>		
22 05 76 00-0009 EA 2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	314.84	37.42
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0010 EA 3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	342.75	46.86
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0011 EA 4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	417.06	56.70
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0012 EA 5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	567.89	63.45
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0013 EA 6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	682.80	68.73
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0014 Wall Cover For Cleanout <small>(22 05 76)</small>		
Note: Cover and screw only.		
22 05 76 00-0015 Round Access Cover, Bronze Polished Top <small>(22 05 76 00-0014)</small>		
Note: Cover and screw only.		
22 05 76 00-0016 EA 4-1/4" Diameter Wall Cover For Cleanout, Screwed.....	46.25	11.75
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0017 EA 5-1/2" Diameter Wall Cover For Cleanout, Screwed.....	50.94	14.07
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0018 EA 7" Diameter Wall Cover For Cleanout, Screwed.....	63.46	15.82
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0019 EA 9-1/4" Diameter Wall Cover For Cleanout, Screwed.....	100.57	17.59
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0020 EA 11-1/4" Diameter Wall Cover For Cleanout, Screwed.....	146.09	19.35
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0021 Square Wall Access Panel, Bronze Polished Top <small>(22 05 76 00-0014)</small>		
Note: Cover and screw only.		
22 05 76 00-0022 EA 7" x 7" Bronze Wall Or Floor Access Cover.....	131.45	11.75
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0023 EA 9" x 9" Bronze Wall Or Floor Access Cover.....	183.62	12.32
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0024 EA 10" x 10" Bronze Wall Or Floor Access Cover.....	196.03	13.01
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0025 EA 14" x 14" Bronze Wall Or Floor Access Cover.....	219.55	14.78
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0026 Secured Square Wall Access Panel, Bronze Polished Top <small>(22 05 76 00-0014)</small>		
Note: Cover and screw only.		
22 05 76 00-0027 EA 6" x 6" Bronze Secured Wall Access Panel.....	131.45	11.75
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0028 EA 8" x 8" Bronze Secured Wall Access Panel.....	183.62	12.32
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0029 EA 10" x 10" Bronze Secured Wall Access Panel.....	196.03	13.01
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0030 EA 12" x 12" Bronze Secured Wall Access Panel.....	219.55	14.78
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0031 Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated <small>(22 05 76 00-0014)</small>		
Note: Cover and screw only.		
22 05 76 00-0032 EA 6" x 6" Bronze Secured Hinged Access Panel, Scoriated.....	127.95	11.75
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0033 EA 8" x 8" Bronze Secured Hinged Access Panel, Scoriated.....	172.12	12.32
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0034 EA 10" x 10" Bronze Secured Hinged Access Panel, Scoriated.....	238.53	13.01
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0035 EA 12" x 12" Bronze Secured Hinged Access Panel, Scoriated.....	287.55	14.78
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0036 Cast Iron Cleanout Tee <small>(22 05 76)</small>		
22 05 76 00-0037 Cast Iron Cleanout Tee And Round Access Cover <small>(22 05 76 00-0036)</small>		
Note: Satin smooth secured cover.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0038 EA 2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	201.44 18.00 45.00	37.42
22 05 76 00-0039 EA 3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	233.55 18.00 45.00	46.86
22 05 76 00-0040 EA 4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	301.26 18.00 45.00	56.70
22 05 76 00-0041 EA 6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	664.80 18.00 45.00	68.73
22 05 76 00-0042 Cast Iron Cleanout Tee And Square Access Cover (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0043 EA 2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	328.04 18.00 45.00	37.42
22 05 76 00-0044 EA 3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	360.15 18.00 45.00	46.86
22 05 76 00-0045 EA 4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	419.46 18.00 45.00	56.70
22 05 76 00-0046 EA 6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	835.80 18.00 45.00	68.73
22 05 76 00-0047 Cast Iron Cleanout Tee With Brass Plug (22 05 76 00-0036)		
22 05 76 00-0048 EA 2" Cleanout Tee With Cast Bronze Screw Plug	165.01	30.60
22 05 76 00-0049 EA 3" Cleanout Tee With Cast Bronze Screw Plug	183.83	33.42
22 05 76 00-0050 EA 4" Cleanout Tee With Cast Bronze Screw Plug	244.54	43.96
22 05 76 00-0051 EA 5" Cleanout Tee With Cast Bronze Screw Plug	356.11	52.06
22 05 76 00-0052 EA 6" Cleanout Tee With Cast Bronze Screw Plug	585.11	61.56
22 05 76 00-0053 Removable Cleanout Plug (22 05 76)		
22 05 76 00-0054 Threaded Bronze Plugs (22 05 76 00-0053)		
22 05 76 00-0055 EA 1-1/4", 1-1/2" Or 2" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	28.65 9.50	8.79
22 05 76 00-0056 EA 2-1/2" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	33.06 9.50	9.56
22 05 76 00-0057 EA 3" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	49.64 9.50	10.55
22 05 76 00-0058 EA 3-1/2" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	56.17 9.50	12.32
22 05 76 00-0059 EA 4" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	63.69 9.50	14.07
22 05 76 00-0060 EA 5" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	84.72 9.50	15.82
22 05 76 00-0061 EA 6" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	117.73 9.50	17.59
22 05 76 00-0062 EA 8" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	186.19 9.50	19.35
22 05 76 00-0063 EA 10" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	259.71 9.50	21.10
22 05 76 00-0064 Threaded Brass Plugs (22 05 76 00-0053)		
22 05 76 00-0065 EA 1-1/2" Threaded Brass Plug, Raised Head..... <i>For Plug Tapped For Center Screw, Add</i>	21.56 9.50	8.79
22 05 76 00-0066 EA 2" Threaded Brass Plug, Raised Head..... <i>For Plug Tapped For Center Screw, Add</i>	22.25 9.50	8.79
22 05 76 00-0067 EA 2-1/2" Threaded Brass Plug, Raised Head..... <i>For Plug Tapped For Center Screw, Add</i>	24.46 9.50	9.56
22 05 76 00-0068 EA 3" Threaded Brass Plug, Raised Head..... <i>For Plug Tapped For Center Screw, Add</i>	28.06 9.50	10.55
22 05 76 00-0069 EA 3-1/2" Threaded Brass Plug, Raised Head..... <i>For Plug Tapped For Center Screw, Add</i>	33.45 9.50	12.32
22 05 76 00-0070 EA 4" Threaded Brass Plug, Raised Head..... <i>For Plug Tapped For Center Screw, Add</i>	40.10 9.50	14.07
22 05 76 00-0071 EA 4-1/2" Threaded Brass Plug, Raised Head..... <i>For Plug Tapped For Center Screw, Add</i>	43.39 9.50	14.82
22 05 76 00-0072 EA 5" Threaded Brass Plug, Raised Head..... <i>For Plug Tapped For Center Screw, Add</i>	47.14 9.50	15.82
22 05 76 00-0073 EA 6" Threaded Brass Plug, Raised Head..... <i>For Plug Tapped For Center Screw, Add</i>	67.41 9.50	17.59
22 05 76 00-0074 EA 1-1/2" Threaded Brass Plug, Countersunk Head..... <i>For Plug Tapped For Center Screw, Add</i>	21.02 9.50	8.79
22 05 76 00-0075 EA 2" Threaded Brass Plug, Countersunk Head..... <i>For Plug Tapped For Center Screw, Add</i>	21.78 9.50	8.79

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0076 EA 2-1/2" Threaded Brass Plug, Countersunk Head <i>For Plug Tapped For Center Screw, Add</i>	25.96 9.50	9.56
22 05 76 00-0077 EA 3" Threaded Brass Plug, Countersunk Head <i>For Plug Tapped For Center Screw, Add</i>	28.28 9.50	10.55
22 05 76 00-0078 EA 3-1/2" Threaded Brass Plug, Countersunk Head <i>For Plug Tapped For Center Screw, Add</i>	32.80 9.50	12.32
22 05 76 00-0079 EA 4" Threaded Brass Plug, Countersunk Head <i>For Plug Tapped For Center Screw, Add</i>	39.08 9.50	14.07
22 05 76 00-0080 EA 5" Threaded Brass Plug, Countersunk Head <i>For Plug Tapped For Center Screw, Add</i>	46.58 9.50	15.82
22 05 76 00-0081 EA 6" Threaded Brass Plug, Countersunk Head <i>For Plug Tapped For Center Screw, Add</i>	58.42 9.50	17.59

22 07 Plumbing Insulation ⁽²²⁾**22 07 16 Plumbing Equipment Insulation** ^(22 07)**22 07 16 00-0001 Lavatory Insulation** ^(22 07 16)

22 07 16 00-0002 EA Neoprene Insulation Kit For Under Lavatories	172.94	13.32
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22 07 19 Plumbing Piping Insulation ^(22 07)**22 07 19 00-0001 Fiberglass Pipe Insulation** ^(22 07 19)

Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0002 1" Thick Fiberglass Pipe Insulation ^(22 07 19 00-0001)

22 07 19 00-0003 LF 1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.21	1.78
<i>For Single Layer Of Felt Finish, Add</i>	0.14	
<i>For Work In Restricted Working Space, Add</i>	1.46	
22 07 19 00-0004 LF 3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.41	1.78
<i>For Single Layer Of Felt Finish, Add</i>	0.16	
<i>For Work In Restricted Working Space, Add</i>	1.46	
22 07 19 00-0005 LF 1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.51	1.78
<i>For Single Layer Of Felt Finish, Add</i>	0.16	
<i>For Work In Restricted Working Space, Add</i>	1.48	
22 07 19 00-0006 LF 1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.78	1.84
<i>For Single Layer Of Felt Finish, Add</i>	0.19	
<i>For Work In Restricted Working Space, Add</i>	1.50	
22 07 19 00-0007 LF 1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.98	1.84
<i>For Single Layer Of Felt Finish, Add</i>	0.20	
<i>For Work In Restricted Working Space, Add</i>	1.52	
22 07 19 00-0008 LF 2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.30	1.90
<i>For Single Layer Of Felt Finish, Add</i>	0.22	
<i>For Work In Restricted Working Space, Add</i>	1.57	
22 07 19 00-0009 LF 2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.72	2.01
<i>For Single Layer Of Felt Finish, Add</i>	0.24	
<i>For Work In Restricted Working Space, Add</i>	1.63	
22 07 19 00-0010 LF 3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.16	2.07
<i>For Single Layer Of Felt Finish, Add</i>	0.27	
<i>For Work In Restricted Working Space, Add</i>	1.67	
22 07 19 00-0011 LF 4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.33	2.19
<i>For Single Layer Of Felt Finish, Add</i>	0.35	
<i>For Work In Restricted Working Space, Add</i>	1.80	
22 07 19 00-0012 LF 6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.85	2.54
<i>For Single Layer Of Felt Finish, Add</i>	0.43	
<i>For Work In Restricted Working Space, Add</i>	2.03	
22 07 19 00-0013 LF 8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.59	2.85
<i>For Single Layer Of Felt Finish, Add</i>	0.61	
<i>For Work In Restricted Working Space, Add</i>	2.33	
22 07 19 00-0014 LF 10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.97	3.37
<i>For Single Layer Of Felt Finish, Add</i>	0.72	
<i>For Work In Restricted Working Space, Add</i>	2.75	
22 07 19 00-0015 LF 12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.30	3.85
<i>For Single Layer Of Felt Finish, Add</i>	0.81	
<i>For Work In Restricted Working Space, Add</i>	3.17	

22 07 19 00-0016 1-1/2" Thick Fiberglass Pipe Insulation ^(22 07 19 00-0001)

22 07 19 00-0017 LF 1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.79	1.83
<i>For Single Layer Of Felt Finish, Add</i>	0.29	
<i>For Work In Restricted Working Space, Add</i>	1.52	
22 07 19 00-0018 LF 3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.92	1.83
<i>For Single Layer Of Felt Finish, Add</i>	0.30	
<i>For Work In Restricted Working Space, Add</i>	1.52	
22 07 19 00-0019 LF 1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.36	1.94
<i>For Single Layer Of Felt Finish, Add</i>	0.31	
<i>For Work In Restricted Working Space, Add</i>	1.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0020	LF		1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.69	1.98
			<i>For Single Layer Of Felt Finish, Add</i>	0.34	
			<i>For Work In Restricted Working Space, Add</i>	1.64	
22 07 19 00-0021	LF		1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.96	2.01
			<i>For Single Layer Of Felt Finish, Add</i>	0.36	
			<i>For Work In Restricted Working Space, Add</i>	1.67	
22 07 19 00-0022	LF		2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.57	2.12
			<i>For Single Layer Of Felt Finish, Add</i>	0.39	
			<i>For Work In Restricted Working Space, Add</i>	1.76	
22 07 19 00-0023	LF		2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.04	2.15
			<i>For Single Layer Of Felt Finish, Add</i>	0.43	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
22 07 19 00-0024	LF		3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.37	2.23
			<i>For Single Layer Of Felt Finish, Add</i>	0.44	
			<i>For Work In Restricted Working Space, Add</i>	1.85	
22 07 19 00-0025	LF		4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.48	2.41
			<i>For Single Layer Of Felt Finish, Add</i>	0.50	
			<i>For Work In Restricted Working Space, Add</i>	2.00	
22 07 19 00-0026	LF		6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.28	2.82
			<i>For Single Layer Of Felt Finish, Add</i>	0.58	
			<i>For Work In Restricted Working Space, Add</i>	2.34	
22 07 19 00-0027	LF		8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.10	2.97
			<i>For Single Layer Of Felt Finish, Add</i>	0.72	
			<i>For Work In Restricted Working Space, Add</i>	2.47	
22 07 19 00-0028	LF		10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.51	3.55
			<i>For Single Layer Of Felt Finish, Add</i>	0.91	
			<i>For Work In Restricted Working Space, Add</i>	2.96	
22 07 19 00-0029	LF		12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.90	4.15
			<i>For Single Layer Of Felt Finish, Add</i>	0.99	
			<i>For Work In Restricted Working Space, Add</i>	3.44	
22 07 19 00-0030			2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0031	LF		1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.84	2.01
			<i>For Single Layer Of Felt Finish, Add</i>	0.45	
			<i>For Work In Restricted Working Space, Add</i>	1.67	
22 07 19 00-0032	LF		3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.98	2.01
			<i>For Single Layer Of Felt Finish, Add</i>	0.46	
			<i>For Work In Restricted Working Space, Add</i>	1.67	
22 07 19 00-0033	LF		1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.36	2.07
			<i>For Single Layer Of Felt Finish, Add</i>	0.50	
			<i>For Work In Restricted Working Space, Add</i>	1.69	
22 07 19 00-0034	LF		1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.70	2.07
			<i>For Single Layer Of Felt Finish, Add</i>	0.52	
			<i>For Work In Restricted Working Space, Add</i>	1.71	
22 07 19 00-0035	LF		1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.05	2.13
			<i>For Single Layer Of Felt Finish, Add</i>	0.55	
			<i>For Work In Restricted Working Space, Add</i>	1.73	
22 07 19 00-0036	LF		2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.47	2.19
			<i>For Single Layer Of Felt Finish, Add</i>	0.58	
			<i>For Work In Restricted Working Space, Add</i>	1.80	
22 07 19 00-0037	LF		2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.09	2.25
			<i>For Single Layer Of Felt Finish, Add</i>	0.62	
			<i>For Work In Restricted Working Space, Add</i>	1.86	
22 07 19 00-0038	LF		3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.76	2.37
			<i>For Single Layer Of Felt Finish, Add</i>	0.67	
			<i>For Work In Restricted Working Space, Add</i>	1.92	
22 07 19 00-0039	LF		4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.03	2.48
			<i>For Single Layer Of Felt Finish, Add</i>	0.76	
			<i>For Work In Restricted Working Space, Add</i>	2.03	
22 07 19 00-0040	LF		6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.57	2.92
			<i>For Single Layer Of Felt Finish, Add</i>	0.89	
			<i>For Work In Restricted Working Space, Add</i>	2.44	
22 07 19 00-0041	LF		8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.01	3.09
			<i>For Single Layer Of Felt Finish, Add</i>	1.10	
			<i>For Work In Restricted Working Space, Add</i>	2.57	
22 07 19 00-0042	LF		10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.75	3.68
			<i>For Single Layer Of Felt Finish, Add</i>	1.31	
			<i>For Work In Restricted Working Space, Add</i>	3.08	
22 07 19 00-0043	LF		12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.99	4.42
			<i>For Single Layer Of Felt Finish, Add</i>	1.44	
			<i>For Work In Restricted Working Space, Add</i>	3.68	
22 07 19 00-0044			Foamglas Pipe Insulation, Rigid, Closed Cell (22 07 19)		
			Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0045			1" Thick Foamglas Pipe Insulation (22 07 19 00-0044)		
22 07 19 00-0046	LF		1/2" Diameter Pipe, 1" Thick Foamglas Insulation.....	11.52	2.89
			<i>For Work In Restricted Working Space, Add</i>	2.63	
22 07 19 00-0047	LF		3/4" Diameter Pipe, 1" Thick Foamglas Insulation.....	12.23	2.89
			<i>For Work In Restricted Working Space, Add</i>	2.63	

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0048 LF 1" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	13.06 2.66	2.93
22 07 19 00-0049 LF 1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	13.43 2.70	2.97
22 07 19 00-0050 LF 1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	14.03 2.74	3.02
22 07 19 00-0051 LF 2" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	15.18 2.82	3.10
22 07 19 00-0052 LF 2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	16.57 2.93	3.23
22 07 19 00-0053 LF 3" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	18.21 3.01	3.31
22 07 19 00-0054 LF 4" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	21.57 3.24	3.55
22 07 19 00-0055 LF 6" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	28.47 3.65	4.02
22 07 19 00-0056 1-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0044)		
22 07 19 00-0057 LF 1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	16.36 3.44	3.79
22 07 19 00-0058 LF 3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	16.80 3.44	3.79
22 07 19 00-0059 LF 1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	17.25 3.44	3.79
22 07 19 00-0060 LF 1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	17.95 3.55	3.91
22 07 19 00-0061 LF 1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	18.63 3.67	4.05
22 07 19 00-0062 LF 2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	20.45 3.81	4.19
22 07 19 00-0063 LF 2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	23.53 3.95	4.34
22 07 19 00-0064 LF 3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	26.41 4.10	4.51
22 07 19 00-0065 LF 4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	29.84 4.26	4.69
22 07 19 00-0066 LF 6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	34.33 4.52	4.97
22 07 19 00-0067 LF 8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	37.62 4.80	5.28
22 07 19 00-0068 LF 10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	46.46 5.63	6.20
22 07 19 00-0069 LF 12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	53.11 6.55	7.21
22 07 19 00-0070 LF 14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	58.19 6.77	7.45
22 07 19 00-0071 LF 16" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	63.81 7.57	8.33
22 07 19 00-0072 LF 18" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	71.50 8.95	9.84
22 07 19 00-0073 LF 20" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	80.08 9.91	10.90
22 07 19 00-0074 LF 24" Diameter Pipe, 2" Thick Fiberglass Insulation <i>For Work In Restricted Working Space, Add</i>	103.07 10.98	12.07
22 07 19 00-0075 2" Thick Foamglas Pipe Insulation (22 07 19 00-0044)		
22 07 19 00-0076 LF 1/2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	16.42 3.01	3.31
22 07 19 00-0077 LF 3/4" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	17.11 3.01	3.31
22 07 19 00-0078 LF 1" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	17.90 3.04	3.34
22 07 19 00-0079 LF 1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	19.13 3.08	3.39
22 07 19 00-0080 LF 1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	20.35 3.12	3.43
22 07 19 00-0081 LF 2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	23.32 3.24	3.55
22 07 19 00-0082 LF 2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	24.55 3.35	3.68
22 07 19 00-0083 LF 3" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	26.64 3.46	3.81
22 07 19 00-0084 LF 4" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	30.54 3.65	4.02
22 07 19 00-0085 LF 6" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	37.03 4.15	4.56
22 07 19 00-0086 LF 8" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	41.20 4.63	5.09
22 07 19 00-0087 LF 10" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	50.80 5.33	5.86
22 07 19 00-0088 LF 12" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	62.88 6.63	7.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0089 LF 14" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	66.84 7.24	7.96
22 07 19 00-0090 LF 16" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	77.45 9.25	10.17
22 07 19 00-0091 LF 18" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	85.28 9.71	10.69
22 07 19 00-0092 LF 20" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	93.53 11.10	12.21
22 07 19 00-0093 LF 24" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	118.48 13.41	14.76
22 07 19 00-0094 2-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0044)		
22 07 19 00-0095 LF 1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	20.82 3.26	3.58
22 07 19 00-0096 LF 3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	22.00 3.26	3.58
22 07 19 00-0097 LF 1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	23.36 3.31	3.64
22 07 19 00-0098 LF 1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	24.61 3.33	3.67
22 07 19 00-0099 LF 1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	25.89 3.36	3.70
22 07 19 00-0100 LF 2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	27.99 3.50	3.85
22 07 19 00-0101 LF 2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	30.02 3.62	3.99
22 07 19 00-0102 LF 3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	33.03 3.75	4.12
22 07 19 00-0103 LF 4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	37.57 3.95	4.34
22 07 19 00-0104 LF 6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	45.46 4.49	4.95
22 07 19 00-0105 LF 8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	50.65 5.01	5.51
22 07 19 00-0106 LF 10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	57.65 5.78	6.35
22 07 19 00-0107 LF 12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	71.82 7.18	7.89
22 07 19 00-0108 LF 14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	74.07 7.84	8.62
22 07 19 00-0109 LF 16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	85.56 10.01	11.01
22 07 19 00-0110 LF 18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	93.89 10.52	11.57
22 07 19 00-0111 LF 20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	108.12 12.02	13.22
22 07 19 00-0112 LF 24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	136.65 14.52	15.98
22 07 19 00-0113 3" Thick Foamglas Pipe Insulation (22 07 19 00-0044)		
22 07 19 00-0114 LF 1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	26.25 3.47	3.82
22 07 19 00-0115 LF 3/4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	26.95 3.47	3.82
22 07 19 00-0116 LF 1" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	27.86 3.53	3.88
22 07 19 00-0117 LF 1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	28.64 3.55	3.90
22 07 19 00-0118 LF 1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	29.45 3.58	3.94
22 07 19 00-0119 LF 2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	31.94 3.73	4.10
22 07 19 00-0120 LF 2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	34.34 3.85	4.24
22 07 19 00-0121 LF 3" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	39.92 3.99	4.39
22 07 19 00-0122 LF 4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	46.37 4.20	4.62
22 07 19 00-0123 LF 6" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	50.37 4.78	5.26
22 07 19 00-0124 LF 8" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	57.04 5.33	5.86
22 07 19 00-0125 LF 10" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	68.56 6.14	6.76
22 07 19 00-0126 LF 12" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	78.47 7.64	8.40
22 07 19 00-0127 LF 14" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	83.64 8.34	9.16
22 07 19 00-0128 LF 16" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	98.19 10.65	11.72
22 07 19 00-0129 LF 18" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	105.64 11.19	12.30

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0130 LF 20" Diameter Pipe, 3" Thick Foamglas Insulation	124.56	14.07
<i>For Work In Restricted Working Space, Add</i>	12.79	
22 07 19 00-0131 LF 24" Diameter Pipe, 3" Thick Foamglas Insulation	152.71	17.00
<i>For Work In Restricted Working Space, Add</i>	15.45	
22 07 19 00-0132 3-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0044)		
22 07 19 00-0133 LF 1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	31.54	4.62
<i>For Work In Restricted Working Space, Add</i>	4.20	
22 07 19 00-0134 LF 3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	32.43	4.62
<i>For Work In Restricted Working Space, Add</i>	4.20	
22 07 19 00-0135 LF 1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	33.42	4.65
<i>For Work In Restricted Working Space, Add</i>	4.23	
22 07 19 00-0136 LF 1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	34.38	4.68
<i>For Work In Restricted Working Space, Add</i>	4.26	
22 07 19 00-0137 LF 1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	35.46	4.74
<i>For Work In Restricted Working Space, Add</i>	4.31	
22 07 19 00-0138 LF 2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	39.70	4.91
<i>For Work In Restricted Working Space, Add</i>	4.46	
22 07 19 00-0139 LF 2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	43.94	5.08
<i>For Work In Restricted Working Space, Add</i>	4.61	
22 07 19 00-0140 LF 3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	46.66	5.26
<i>For Work In Restricted Working Space, Add</i>	4.78	
22 07 19 00-0141 LF 4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	50.13	5.56
<i>For Work In Restricted Working Space, Add</i>	5.05	
22 07 19 00-0142 LF 6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	57.90	6.31
<i>For Work In Restricted Working Space, Add</i>	5.74	
22 07 19 00-0143 LF 8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	66.16	7.03
<i>For Work In Restricted Working Space, Add</i>	6.39	
22 07 19 00-0144 LF 10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	79.78	8.12
<i>For Work In Restricted Working Space, Add</i>	7.37	
22 07 19 00-0145 LF 12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	93.16	10.08
<i>For Work In Restricted Working Space, Add</i>	9.16	
22 07 19 00-0146 LF 14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	96.12	11.00
<i>For Work In Restricted Working Space, Add</i>	10.01	
22 07 19 00-0147 LF 16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	113.30	14.07
<i>For Work In Restricted Working Space, Add</i>	12.79	
22 07 19 00-0148 LF 18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	126.05	14.77
<i>For Work In Restricted Working Space, Add</i>	13.43	
22 07 19 00-0149 LF 20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	143.33	16.89
<i>For Work In Restricted Working Space, Add</i>	15.35	
22 07 19 00-0150 LF 24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	176.78	20.39
<i>For Work In Restricted Working Space, Add</i>	18.54	
22 07 19 00-0151 4" Thick Foamglas Pipe Insulation (22 07 19 00-0044)		
22 07 19 00-0152 LF 1/2" Diameter Pipe, 4" Thick Foamglas Insulation	38.31	5.68
<i>For Work In Restricted Working Space, Add</i>	5.17	
22 07 19 00-0153 LF 3/4" Diameter Pipe, 4" Thick Foamglas Insulation	39.45	5.68
<i>For Work In Restricted Working Space, Add</i>	5.17	
22 07 19 00-0154 LF 1" Diameter Pipe, 4" Thick Foamglas Insulation	40.88	5.77
<i>For Work In Restricted Working Space, Add</i>	5.25	
22 07 19 00-0155 LF 1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation	42.22	5.84
<i>For Work In Restricted Working Space, Add</i>	5.31	
22 07 19 00-0156 LF 1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	43.94	6.04
<i>For Work In Restricted Working Space, Add</i>	5.48	
22 07 19 00-0157 LF 2" Diameter Pipe, 4" Thick Foamglas Insulation	48.12	6.22
<i>For Work In Restricted Working Space, Add</i>	5.65	
22 07 19 00-0158 LF 2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	52.02	6.32
<i>For Work In Restricted Working Space, Add</i>	5.74	
22 07 19 00-0159 LF 3" Diameter Pipe, 4" Thick Foamglas Insulation	54.78	6.55
<i>For Work In Restricted Working Space, Add</i>	5.95	
22 07 19 00-0160 LF 4" Diameter Pipe, 4" Thick Foamglas Insulation	59.56	7.30
<i>For Work In Restricted Working Space, Add</i>	6.64	
22 07 19 00-0161 LF 6" Diameter Pipe, 4" Thick Foamglas Insulation	70.24	7.84
<i>For Work In Restricted Working Space, Add</i>	7.13	
22 07 19 00-0162 LF 8" Diameter Pipe, 4" Thick Foamglas Insulation	80.09	8.50
<i>For Work In Restricted Working Space, Add</i>	7.73	
22 07 19 00-0163 LF 10" Diameter Pipe, 4" Thick Foamglas Insulation	90.91	10.10
<i>For Work In Restricted Working Space, Add</i>	9.18	
22 07 19 00-0164 LF 12" Diameter Pipe, 4" Thick Foamglas Insulation	104.56	12.55
<i>For Work In Restricted Working Space, Add</i>	11.40	
22 07 19 00-0165 LF 14" Diameter Pipe, 4" Thick Foamglas Insulation	113.55	13.70
<i>For Work In Restricted Working Space, Add</i>	12.46	
22 07 19 00-0166 LF 16" Diameter Pipe, 4" Thick Foamglas Insulation	131.99	17.51
<i>For Work In Restricted Working Space, Add</i>	15.92	
22 07 19 00-0167 LF 18" Diameter Pipe, 4" Thick Foamglas Insulation	149.37	18.36
<i>For Work In Restricted Working Space, Add</i>	16.69	
22 07 19 00-0168 LF 20" Diameter Pipe, 4" Thick Foamglas Insulation	166.48	21.00
<i>For Work In Restricted Working Space, Add</i>	19.10	
22 07 19 00-0169 LF 24" Diameter Pipe, 4" Thick Foamglas Insulation	213.97	25.39
<i>For Work In Restricted Working Space, Add</i>	23.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0170 Flexible Polyethylene Tubing Closed Cell Foam Insulation ^(22 07 19) Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). No additional linear feet for fittings required.		
22 07 19 00-0171 3/8" Wall Flexible Polyethylene Tubing Foam Insulation ^(22 07 19 00-0170)		
22 07 19 00-0172 LF 1/8" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 3.73	3.73	1.77
For Work In Restricted Working Space, Add	1.06	
22 07 19 00-0173 LF 1/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 3.74	3.74	1.77
For Work In Restricted Working Space, Add	1.06	
22 07 19 00-0174 LF 3/8" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 3.75	3.75	1.77
For Work In Restricted Working Space, Add	1.07	
22 07 19 00-0175 LF 1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 3.91	3.91	1.84
For Work In Restricted Working Space, Add	1.10	
22 07 19 00-0176 LF 3/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 4.07	4.07	1.90
For Work In Restricted Working Space, Add	1.14	
22 07 19 00-0177 LF 1" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 4.21	4.21	1.93
For Work In Restricted Working Space, Add	1.16	
22 07 19 00-0178 LF 1-1/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 4.36	4.36	1.96
For Work In Restricted Working Space, Add	1.18	
22 07 19 00-0179 LF 1-1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 4.43	4.43	1.96
For Work In Restricted Working Space, Add	1.18	
22 07 19 00-0180 LF 2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 4.60	4.60	1.96
For Work In Restricted Working Space, Add	1.19	
22 07 19 00-0181 LF 2-1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 4.96	4.96	2.02
For Work In Restricted Working Space, Add	1.22	
22 07 19 00-0182 LF 3" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 5.10	5.10	2.06
For Work In Restricted Working Space, Add	1.24	
22 07 19 00-0183 1/2" Wall Flexible Polyethylene Tubing Foam Insulation ^(22 07 19 00-0170)		
22 07 19 00-0184 LF 1/8" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 4.14	4.14	1.93
For Work In Restricted Working Space, Add	1.16	
22 07 19 00-0185 LF 1/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 4.16	4.16	1.93
For Work In Restricted Working Space, Add	1.16	
22 07 19 00-0186 LF 3/8" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 4.20	4.20	1.93
For Work In Restricted Working Space, Add	1.17	
22 07 19 00-0187 LF 1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 4.27	4.27	1.96
For Work In Restricted Working Space, Add	1.18	
22 07 19 00-0188 LF 3/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 4.34	4.34	1.96
For Work In Restricted Working Space, Add	1.19	
22 07 19 00-0189 LF 1" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 4.55	4.55	2.02
For Work In Restricted Working Space, Add	1.22	
22 07 19 00-0190 LF 1-1/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 4.40	4.40	2.06
For Work In Restricted Working Space, Add	1.14	
22 07 19 00-0191 LF 1-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 4.91	4.91	2.08
For Work In Restricted Working Space, Add	1.25	
22 07 19 00-0192 LF 2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 5.14	5.14	2.11
For Work In Restricted Working Space, Add	1.27	
22 07 19 00-0193 LF 2-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 5.54	5.54	2.18
For Work In Restricted Working Space, Add	1.31	
22 07 19 00-0194 LF 3" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 5.96	5.96	2.21
For Work In Restricted Working Space, Add	1.33	
22 07 19 00-0195 LF 3-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 6.34	6.34	2.24
For Work In Restricted Working Space, Add	1.34	
22 07 19 00-0196 LF 4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 6.58	6.58	2.27
For Work In Restricted Working Space, Add	1.36	
22 07 19 00-0197 3/4" Wall Flexible Polyethylene Tubing Foam Insulation ^(22 07 19 00-0170)		
22 07 19 00-0198 LF 1/8" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 4.58	4.58	2.08
For Work In Restricted Working Space, Add	1.25	
22 07 19 00-0199 LF 1/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 4.61	4.61	2.08
For Work In Restricted Working Space, Add	1.25	
22 07 19 00-0200 LF 3/8" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 4.67	4.67	2.11
For Work In Restricted Working Space, Add	1.27	
22 07 19 00-0201 LF 1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 4.95	4.95	2.18
For Work In Restricted Working Space, Add	1.31	
22 07 19 00-0202 LF 3/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 5.08	5.08	2.21
For Work In Restricted Working Space, Add	1.33	
22 07 19 00-0203 LF 1" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 5.42	5.42	2.27
For Work In Restricted Working Space, Add	1.36	
22 07 19 00-0204 LF 1-1/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 5.76	5.76	2.30
For Work In Restricted Working Space, Add	1.38	
22 07 19 00-0205 LF 1-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 5.92	5.92	2.30
For Work In Restricted Working Space, Add	1.39	
22 07 19 00-0206 LF 2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 6.53	6.53	2.33
For Work In Restricted Working Space, Add	1.40	
22 07 19 00-0207 LF 2-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 7.39	7.39	2.39
For Work In Restricted Working Space, Add	1.43	
22 07 19 00-0208 LF 3" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 7.45	7.45	2.42
For Work In Restricted Working Space, Add	1.45	
22 07 19 00-0209 LF 3-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation 8.08	8.08	2.45
For Work In Restricted Working Space, Add	1.48	

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0210	LF		4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.34 1.49	2.48
22 07 19 00-0211			1" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0170)		
22 07 19 00-0212	LF		1/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.23 1.38	2.30
22 07 19 00-0213	LF		3/8" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.35 1.40	2.33
22 07 19 00-0214	LF		1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.74 1.43	2.39
22 07 19 00-0215	LF		3/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.86 1.45	2.42
22 07 19 00-0216	LF		1" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.46 1.49	2.48
22 07 19 00-0217	LF		1-1/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.75 1.53	2.55
22 07 19 00-0218	LF		1-1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.87 1.55	2.55
22 07 19 00-0219	LF		2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.42 1.57	2.61
22 07 19 00-0220	LF		2-1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.83 1.61	2.67
22 07 19 00-0221	LF		3" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.18 1.62	2.71
22 07 19 00-0222			Flexible Elastomeric Tubing Closed Cell Foam Insulation (22 07 19) Note: No additional LF for fittings required.		
22 07 19 00-0223			3/8" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0222)		
22 07 19 00-0224	LF		1/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.78 1.06	1.77
22 07 19 00-0225	LF		3/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.83 1.07	1.77
22 07 19 00-0226	LF		1/2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.97 1.10	1.84
22 07 19 00-0227	LF		5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.02 1.12	1.87
22 07 19 00-0228	LF		3/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.15 1.14	1.90
22 07 19 00-0229	LF		7/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.18 1.15	1.90
22 07 19 00-0230	LF		1" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.25 1.16	1.93
22 07 19 00-0231	LF		1-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.28 1.17	1.93
22 07 19 00-0232	LF		1-1/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.40 1.18	1.96
22 07 19 00-0233	LF		1-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.48 1.18	1.96
22 07 19 00-0234	LF		2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.67 1.19	1.96
22 07 19 00-0235	LF		2-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.77 1.19	1.99
22 07 19 00-0236	LF		2-3/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.92 1.22	2.02
22 07 19 00-0237	LF		2-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.04 1.22	2.02
22 07 19 00-0238	LF		2-7/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.11 1.23	2.06
22 07 19 00-0239	LF		3-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.23 1.24	2.06
22 07 19 00-0240	LF		3-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.49 1.25	2.08
22 07 19 00-0241	LF		4-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.79 1.27	2.11
22 07 19 00-0242	LF		4-1/2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.11 1.28	2.13
22 07 19 00-0243			1/2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0222)		
22 07 19 00-0244	LF		1/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.22 1.16	1.93
22 07 19 00-0245	LF		3/8" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.29 1.17	1.93
22 07 19 00-0246	LF		1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.37 1.18	1.96
22 07 19 00-0247	LF		3/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.45 1.19	1.96
22 07 19 00-0248	LF		1" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.60 1.22	2.02
22 07 19 00-0249	LF		1-1/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.74 1.23	2.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0250 LF 1-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	4.95 1.25	2.08
22 07 19 00-0251 LF 2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.22 1.27	2.11
22 07 19 00-0252 LF 2-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	5.61 1.31	2.18
22 07 19 00-0253 LF 3" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.80 1.33	2.21
22 07 19 00-0254 LF 3-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.38 1.34	2.24
22 07 19 00-0255 LF 4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.59 1.36	2.27
22 07 19 00-0256 LF 5" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.40 1.38	2.30
22 07 19 00-0257 LF 6" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.92 1.42	2.36
22 07 19 00-0258 LF 8" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.40 1.45	2.42
22 07 19 00-0259 3/4" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0222)		
22 07 19 00-0260 LF 1/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.74 1.25	2.08
22 07 19 00-0261 LF 3/8" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.85 1.27	2.11
22 07 19 00-0262 LF 1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.09 1.31	2.18
22 07 19 00-0263 LF 3/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.32 1.33	2.21
22 07 19 00-0264 LF 1" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.57 1.36	2.27
22 07 19 00-0265 LF 1-1/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	5.99 1.38	2.30
22 07 19 00-0266 LF 1-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.23 1.40	2.33
22 07 19 00-0267 LF 2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.51 1.40	2.33
22 07 19 00-0268 LF 2-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.24 1.43	2.39
22 07 19 00-0269 LF 3" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.64 1.45	2.42
22 07 19 00-0270 LF 3-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.22 1.48	2.45
22 07 19 00-0271 LF 4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.50 1.49	2.48
22 07 19 00-0272 LF 5" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.74 0.75	2.96
22 07 19 00-0273 LF 6" Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.21 1.53	2.55
22 07 19 00-0274 LF 8" Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.39 1.57	2.61
22 07 19 00-0275 1" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0222)		
22 07 19 00-0276 LF 3/8" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.01 1.40	2.33
22 07 19 00-0277 LF 1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.21 1.43	2.39
22 07 19 00-0278 LF 3/4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.59 1.45	2.42
22 07 19 00-0279 LF 1" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.01 1.49	2.48
22 07 19 00-0280 LF 1-1/4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.40 1.53	2.55
22 07 19 00-0281 LF 1-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.82 1.55	2.55
22 07 19 00-0282 LF 2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.79 1.57	2.61
22 07 19 00-0283 LF 2-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.00 1.61	2.67
22 07 19 00-0284 LF 3" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.57 1.62	2.71
22 07 19 00-0285 LF 3-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.80 1.64	2.74
22 07 19 00-0286 LF 4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.37 1.68	2.80
22 07 19 00-0287 LF 5" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.64 1.72	2.86
22 07 19 00-0288 LF 6" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.95 1.75	2.93
22 07 19 00-0289 Flexible Polyolefin Tubing Closed Cell Foam Insulation (22 07 19)		
Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. No		

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
additional LF for fittings required.		
22 07 19 00-0290 3/8" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0289)		
22 07 19 00-0291 LF 1/8" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.80 1.06	1.77
22 07 19 00-0292 LF 1/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.82 1.06	1.77
22 07 19 00-0293 LF 3/8" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.86 1.07	1.77
22 07 19 00-0294 LF 1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.01 1.10	1.84
22 07 19 00-0295 LF 3/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.19 1.14	1.90
22 07 19 00-0296 LF 1" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.30 1.16	1.93
22 07 19 00-0297 LF 1-1/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.49 1.18	1.96
22 07 19 00-0298 LF 1-1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.63 1.18	1.96
22 07 19 00-0299 LF 2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.74 1.19	2.02
22 07 19 00-0300 LF 2-1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.21 1.22	2.02
22 07 19 00-0301 LF 3" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.61 1.24	2.06
22 07 19 00-0302 LF 4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.68 1.27	2.11
22 07 19 00-0303 1/2" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0289)		
22 07 19 00-0304 LF 1/8" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.26 1.16	1.93
22 07 19 00-0305 LF 1/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.29 1.16	1.93
22 07 19 00-0306 LF 3/8" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.33 1.17	1.93
22 07 19 00-0307 LF 1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.41 1.18	1.96
22 07 19 00-0308 LF 3/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.53 1.19	1.96
22 07 19 00-0309 LF 1" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.68 1.22	2.02
22 07 19 00-0310 LF 1-1/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.88 1.23	2.06
22 07 19 00-0311 LF 1-1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.11 1.25	2.08
22 07 19 00-0312 LF 2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.33 1.27	2.11
22 07 19 00-0313 LF 2-1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.83 1.31	2.18
22 07 19 00-0314 LF 3" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.28 1.33	2.21
22 07 19 00-0315 LF 4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.11 1.36	2.27
22 07 19 00-0316 3/4" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0289)		
22 07 19 00-0317 LF 1/8" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.77 1.25	2.08
22 07 19 00-0318 LF 1/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.81 1.25	2.08
22 07 19 00-0319 LF 3/8" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.97 1.27	2.11
22 07 19 00-0320 LF 1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.17 1.31	2.18
22 07 19 00-0321 LF 3/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.47 1.33	2.21
22 07 19 00-0322 LF 1" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.76 1.36	2.27
22 07 19 00-0323 LF 1-1/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.24 1.38	2.30
22 07 19 00-0324 LF 1-1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.56 1.39	2.30
22 07 19 00-0325 LF 2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.92 1.40	2.33
22 07 19 00-0326 LF 2-1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.62 1.43	2.39
22 07 19 00-0327 LF 3" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.26 1.45	2.42
22 07 19 00-0328 LF 4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.49 1.49	2.48
22 07 19 00-0329 1" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0289)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0330 LF 1/8" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.69 1.38	2.30
22 07 19 00-0331 LF 1/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.72 1.38	2.30
22 07 19 00-0332 LF 3/8" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.80 1.40	2.33
22 07 19 00-0333 LF 1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.00 1.43	2.39
22 07 19 00-0334 LF 3/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.43 1.45	2.42
22 07 19 00-0335 LF 1" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.81 1.49	2.48
22 07 19 00-0336 LF 1-1/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.18 1.53	2.55
22 07 19 00-0337 LF 1-1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.55 1.55	2.55
22 07 19 00-0338 LF 2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.35 1.57	2.61
22 07 19 00-0339 LF 2-1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.43 1.61	2.67
22 07 19 00-0340 LF 3" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.19 1.62	2.71
 22 07 19 00-0341 Insulation Protective Jacketing <small>(22 07 19)</small> Note: Jacketing only and must be added to insulation prices.		
22 07 19 00-0342 Aluminum Insulation Protective Jacketing With Bands <small>(22 07 19 00-0341)</small>		
22 07 19 00-0343 Aluminum Roll, Insulation Protective Jacketing With Bands <small>(22 07 19 00-0342)</small>		
22 07 19 00-0344 SF 0.006" Aluminum Insulation Jacket With Bands.....	8.97	3.79
22 07 19 00-0345 SF 0.010" Aluminum Insulation Jacket With Bands.....	9.14	3.79
22 07 19 00-0346 SF 0.016" Aluminum Insulation Jacket With Bands.....	9.30	3.79
22 07 19 00-0347 SF 0.020" Aluminum Insulation Jacket With Bands.....	9.45	3.79
22 07 19 00-0348 SF 0.024" Aluminum Insulation Jacket With Bands.....	9.59	3.79
 22 07 19 00-0349 16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0342)</small>		
22 07 19 00-0350 LF 1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	4.58 0.00 0.01	1.08
22 07 19 00-0351 LF 3/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	4.75 0.00 0.01	1.10
22 07 19 00-0352 LF 1" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	4.94 0.00 0.01	1.13
22 07 19 00-0353 LF 1-1/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	5.13 0.01 0.01	1.15
22 07 19 00-0354 LF 1-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	5.28 0.01 0.01	1.17
22 07 19 00-0355 LF 1-3/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	5.43 0.01 0.02	1.19
22 07 19 00-0356 LF 2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	5.60 0.01 0.02	1.21
22 07 19 00-0357 LF 2-1/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	5.79 0.01 0.02	1.24
22 07 19 00-0358 LF 2-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	5.99 0.01 0.02	1.26
22 07 19 00-0359 LF 2-3/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.15 0.01 0.03	1.29
22 07 19 00-0360 LF 3" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.35 0.01 0.03	1.31
22 07 19 00-0361 LF 3-1/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.55 0.01 0.03	1.34
22 07 19 00-0362 LF 3-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.76 0.01 0.03	1.37
22 07 19 00-0363 LF 3-3/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.93 0.01 0.03	1.40
22 07 19 00-0364 LF 4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.15 0.01 0.04	1.43

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0365 LF 4-1/4" ID, 0.016" Aluminum Insulation Jacketing	7.37	1.47
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.04	
22 07 19 00-0366 LF 4-1/2" ID, 0.016" Aluminum Insulation Jacketing	7.62	1.50
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.04	
22 07 19 00-0367 LF 4-3/4" ID, 0.016" Aluminum Insulation Jacketing	7.81	1.53
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.04	
22 07 19 00-0368 LF 5" ID, 0.016" Aluminum Insulation Jacketing.....	8.06	1.57
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.04	
22 07 19 00-0369 LF 5-1/4" ID, 0.016" Aluminum Insulation Jacketing	8.31	1.63
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.05	
22 07 19 00-0370 LF 5-1/2" ID, 0.016" Aluminum Insulation Jacketing	8.52	1.66
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.05	
22 07 19 00-0371 LF 5-3/4" ID, 0.016" Aluminum Insulation Jacketing	8.80	1.71
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.05	
22 07 19 00-0372 LF 6" ID, 0.016" Aluminum Insulation Jacketing.....	9.08	1.76
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.05	
22 07 19 00-0373 LF 6-1/4" ID, 0.016" Aluminum Insulation Jacketing	9.28	1.78
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.05	
22 07 19 00-0374 LF 6-1/2" ID, 0.016" Aluminum Insulation Jacketing	9.46	1.81
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.06	
22 07 19 00-0375 LF 7" ID, 0.016" Aluminum Insulation Jacketing.....	9.78	1.85
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.06	
22 07 19 00-0376 LF 7-1/4" ID, 0.016" Aluminum Insulation Jacketing	10.04	1.90
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.06	
22 07 19 00-0377 LF 7-1/2" ID, 0.016" Aluminum Insulation Jacketing	10.24	1.93
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.06	
22 07 19 00-0378 LF 8" ID, 0.016" Aluminum Insulation Jacketing.....	10.53	1.96
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.07	
22 07 19 00-0379 LF 8-1/2" ID, 0.016" Aluminum Insulation Jacketing	10.82	1.99
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.07	
22 07 19 00-0380 LF 9" ID, 0.016" Aluminum Insulation Jacketing.....	11.19	2.04
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0381 LF 9-1/2" ID, 0.016" Aluminum Insulation Jacketing	11.50	2.08
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0382 LF 10" ID, 0.016" Aluminum Insulation Jacketing.....	11.81	2.11
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0383 LF 10-1/2" ID, 0.016" Aluminum Insulation Jacketing	12.12	2.15
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.09	
22 07 19 00-0384 LF 11" ID, 0.0106 Aluminum Insulation Jacketing.....	12.52	2.21
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.09	
22 07 19 00-0385 LF 11-1/2" ID, 0.016" Aluminum Insulation Jacketing	12.86	2.25
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.10	
22 07 19 00-0386 LF 12" ID, 0.016" Aluminum Insulation Jacketing.....	13.20	2.30
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.10	
22 07 19 00-0387 LF 12-1/2" ID, 0.016" Aluminum Insulation Jacketing	13.63	2.37
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.10	
22 07 19 00-0388 LF 13" ID, 0.016" Aluminum Insulation Jacketing.....	13.89	2.39
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.11	
22 07 19 00-0389 LF 14" ID, 0.016" Aluminum Insulation Jacketing.....	14.32	2.41
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.12	
22 07 19 00-0390 LF 15" ID, 0.016" Aluminum Insulation Jacketing.....	14.84	2.46
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.12	
22 07 19 00-0391 LF 16" ID, 0.016" Aluminum Insulation Jacketing.....	15.27	2.49
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.13	
22 07 19 00-0392 LF 17" ID, 0.016" Aluminum Insulation Jacketing.....	15.80	2.54
For Stucco Embossed, Add	0.06	
For Corrugated, Add	0.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0393 LF 18" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.14 0.06 0.15	2.57
22 07 19 00-0394 LF 19" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.80 0.06 0.16	2.63
22 07 19 00-0395 LF 20" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.24 0.07 0.17	2.66
22 07 19 00-0396 LF 21" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.81 0.07 0.17	2.73
22 07 19 00-0397 LF 22" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.25 0.07 0.18	2.76
22 07 19 00-0398 LF 23" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.84 0.08 0.19	2.82
22 07 19 00-0399 LF 24" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.31 0.08 0.20	2.86
 22 07 19 00-0400 20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0342)</small>		
22 07 19 00-0401 LF 1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	5.07 0.00 0.01	1.18
22 07 19 00-0402 LF 3/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	5.28 0.00 0.01	1.21
22 07 19 00-0403 LF 1" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	5.52 0.01 0.01	1.24
22 07 19 00-0404 LF 1-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	5.74 0.01 0.02	1.27
22 07 19 00-0405 LF 1-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	5.91 0.01 0.02	1.29
22 07 19 00-0406 LF 1-3/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.09 0.01 0.02	1.31
22 07 19 00-0407 LF 2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.29 0.01 0.02	1.33
22 07 19 00-0408 LF 2-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.50 0.01 0.03	1.36
22 07 19 00-0409 LF 2-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.74 0.01 0.03	1.39
22 07 19 00-0410 LF 2-3/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.93 0.01 0.03	1.41
22 07 19 00-0411 LF 3" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.16 0.01 0.03	1.44
22 07 19 00-0412 LF 3-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.41 0.01 0.04	1.48
22 07 19 00-0413 LF 3-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.65 0.02 0.04	1.51
22 07 19 00-0414 LF 3-3/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.86 0.02 0.04	1.54
22 07 19 00-0415 LF 4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.11 0.02 0.04	1.57
22 07 19 00-0416 LF 4-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.36 0.02 0.05	1.62
22 07 19 00-0417 LF 4-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.64 0.02 0.05	1.66
22 07 19 00-0418 LF 4-3/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.87 0.02 0.05	1.70
22 07 19 00-0419 LF 5" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.15 0.02 0.06	1.74
22 07 19 00-0420 LF 5-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.45 0.02 0.06	1.79

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0421 LF 5-1/2" ID, 0.020" Aluminum Insulation Jacketing	9.70	1.82
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.06	
22 07 19 00-0422 LF 5-3/4" ID, 0.020" Aluminum Insulation Jacketing	10.03	1.88
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.06	
22 07 19 00-0423 LF 6" ID, 0.020" Aluminum Insulation Jacketing.....	10.35	1.93
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.07	
22 07 19 00-0424 LF 6-1/4" ID, 0.020" Aluminum Insulation Jacketing	10.56	1.96
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.07	
22 07 19 00-0425 LF 6-1/2" ID, 0.020" Aluminum Insulation Jacketing	10.78	1.99
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.07	
22 07 19 00-0426 LF 7" ID, 0.020" Aluminum Insulation Jacketing.....	11.16	2.04
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0427 LF 7-1/4" ID, 0.020" Aluminum Insulation Jacketing	11.46	2.08
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0428 LF 7-1/2" ID, 0.020" Aluminum Insulation Jacketing	11.70	2.12
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0429 LF 8" ID, 0.020" Aluminum Insulation Jacketing.....	12.05	2.15
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.09	
22 07 19 00-0430 LF 8-1/2" ID, 0.020" Aluminum Insulation Jacketing	12.38	2.19
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.09	
22 07 19 00-0431 LF 9" ID, 0.020" Aluminum Insulation Jacketing.....	12.82	2.24
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.10	
22 07 19 00-0432 LF 9-1/2" ID, 0.020" Aluminum Insulation Jacketing	13.18	2.28
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.10	
22 07 19 00-0433 LF 10" ID, 0.020" Aluminum Insulation Jacketing.....	13.56	2.32
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.11	
22 07 19 00-0434 LF 10-1/2" ID, 0.020" Aluminum Insulation Jacketing	13.93	2.37
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.11	
22 07 19 00-0435 LF 11" ID, 0.0106 Aluminum Insulation Jacketing.....	14.40	2.43
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.12	
22 07 19 00-0436 LF 11-1/2" ID, 0.020" Aluminum Insulation Jacketing	14.80	2.48
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.12	
22 07 19 00-0437 LF 12" ID, 0.020" Aluminum Insulation Jacketing.....	15.19	2.53
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.13	
22 07 19 00-0438 LF 12-1/2" ID, 0.020" Aluminum Insulation Jacketing	15.70	2.60
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.13	
22 07 19 00-0439 LF 13" ID, 0.020" Aluminum Insulation Jacketing.....	16.02	2.63
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.14	
22 07 19 00-0440 LF 14" ID, 0.020" Aluminum Insulation Jacketing.....	16.54	2.65
For Stucco Embossed, Add	0.06	
For Corrugated, Add	0.15	
22 07 19 00-0441 LF 15" ID, 0.020" Aluminum Insulation Jacketing.....	17.16	2.72
For Stucco Embossed, Add	0.06	
For Corrugated, Add	0.16	
22 07 19 00-0442 LF 16" ID, 0.020" Aluminum Insulation Jacketing.....	17.70	2.75
For Stucco Embossed, Add	0.07	
For Corrugated, Add	0.17	
22 07 19 00-0443 LF 17" ID, 0.020" Aluminum Insulation Jacketing.....	18.34	2.80
For Stucco Embossed, Add	0.07	
For Corrugated, Add	0.18	
22 07 19 00-0444 LF 18" ID, 0.020" Aluminum Insulation Jacketing.....	18.74	2.83
For Stucco Embossed, Add	0.07	
For Corrugated, Add	0.19	
22 07 19 00-0445 LF 19" ID, 0.020" Aluminum Insulation Jacketing.....	19.54	2.90
For Stucco Embossed, Add	0.08	
For Corrugated, Add	0.20	
22 07 19 00-0446 LF 20" ID, 0.020" Aluminum Insulation Jacketing.....	20.09	2.93
For Stucco Embossed, Add	0.08	
For Corrugated, Add	0.21	
22 07 19 00-0447 LF 21" ID, 0.020" Aluminum Insulation Jacketing.....	20.76	3.00
For Stucco Embossed, Add	0.09	
For Corrugated, Add	0.22	
22 07 19 00-0448 LF 22" ID, 0.020" Aluminum Insulation Jacketing.....	21.30	3.03
For Stucco Embossed, Add	0.09	
For Corrugated, Add	0.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0449 LF 23" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.01 0.10 0.24	3.10
22 07 19 00-0450 LF 24" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.58 0.10 0.25	3.14
22 07 19 00-0451 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0342)		
22 07 19 00-0452 LF 1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	5.58 0.00 0.01	1.29
22 07 19 00-0453 LF 3/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	5.82 0.01 0.01	1.32
22 07 19 00-0454 LF 1" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.06 0.01 0.02	1.35
22 07 19 00-0455 LF 1-1/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.32 0.01 0.02	1.38
22 07 19 00-0456 LF 1-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.52 0.01 0.02	1.40
22 07 19 00-0457 LF 1-3/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.73 0.01 0.03	1.42
22 07 19 00-0458 LF 2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.96 0.01 0.03	1.45
22 07 19 00-0459 LF 2-1/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.22 0.01 0.03	1.48
22 07 19 00-0460 LF 2-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.48 0.01 0.04	1.52
22 07 19 00-0461 LF 2-3/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.70 0.02 0.04	1.54
22 07 19 00-0462 LF 3" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.98 0.02 0.04	1.57
22 07 19 00-0463 LF 3-1/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.24 0.02 0.04	1.62
22 07 19 00-0464 LF 3-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.51 0.02 0.05	1.66
22 07 19 00-0465 LF 3-3/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.74 0.02 0.05	1.69
22 07 19 00-0466 LF 4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.02 0.02 0.05	1.73
22 07 19 00-0467 LF 4-1/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.32 0.02 0.06	1.77
22 07 19 00-0468 LF 4-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.64 0.02 0.06	1.81
22 07 19 00-0469 LF 4-3/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.90 0.03 0.06	1.85
22 07 19 00-0470 LF 5" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.22 0.03 0.07	1.90
22 07 19 00-0471 LF 5-1/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.55 0.03 0.07	1.95
22 07 19 00-0472 LF 5-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.83 0.03 0.07	1.99
22 07 19 00-0473 LF 5-3/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.20 0.03 0.08	2.05
22 07 19 00-0474 LF 6" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.57 0.03 0.08	2.11
22 07 19 00-0475 LF 6-1/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.82 0.03 0.08	2.14
22 07 19 00-0476 LF 6-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.07 0.03 0.08	2.17

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0477	LF		7" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.50 0.04 0.09	2.22
22 07 19 00-0478	LF		7-1/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.83 0.04 0.09	2.27
22 07 19 00-0479	LF		7-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.11 0.04 0.10	2.31
22 07 19 00-0480	LF		8" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.50 0.04 0.10	2.35
22 07 19 00-0481	LF		8-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.90 0.04 0.11	2.39
22 07 19 00-0482	LF		9" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.39 0.05 0.11	2.45
22 07 19 00-0483	LF		9-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.82 0.05 0.12	2.49
22 07 19 00-0484	LF		10" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.23 0.05 0.13	2.53
22 07 19 00-0485	LF		10-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.68 0.05 0.13	2.58
22 07 19 00-0486	LF		11" ID, 0.0106 Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.20 0.06 0.14	2.65
22 07 19 00-0487	LF		11-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.66 0.06 0.15	2.71
22 07 19 00-0488	LF		12" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.11 0.06 0.15	2.76
22 07 19 00-0489	LF		12-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.69 0.06 0.16	2.85
22 07 19 00-0490	LF		13" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.05 0.07 0.16	2.87
22 07 19 00-0491	LF		14" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.67 0.07 0.18	2.90
22 07 19 00-0492	LF		15" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.39 0.08 0.19	2.96
22 07 19 00-0493	LF		16" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.02 0.08 0.20	2.99
22 07 19 00-0494	LF		17" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.76 0.09 0.21	3.06
22 07 19 00-0495	LF		18" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.23 0.09 0.22	3.09
22 07 19 00-0496	LF		19" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.16 0.10 0.24	3.16
22 07 19 00-0497	LF		20" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.80 0.10 0.25	3.19
22 07 19 00-0498	LF		21" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.58 0.11 0.26	3.27
22 07 19 00-0499	LF		22" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.21 0.11 0.28	3.30
22 07 19 00-0500	LF		23" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.05 0.12 0.29	3.38
22 07 19 00-0501	LF		24" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.69 0.12 0.30	3.42
22 07 19 00-0502			32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0342)</small>		
22 07 19 00-0503	LF		1/2" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.27 0.01 0.01	1.43
22 07 19 00-0504	LF		3/4" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.57 0.01 0.02	1.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0505 LF 1" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.88 0.01 0.02	1.50
22 07 19 00-0506 LF 1-1/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.19 0.01 0.03	1.53
22 07 19 00-0507 LF 1-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.44 0.01 0.03	1.55
22 07 19 00-0508 LF 1-3/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.70 0.01 0.03	1.58
22 07 19 00-0509 LF 2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.99 0.02 0.04	1.62
22 07 19 00-0510 LF 2-1/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.28 0.02 0.04	1.65
22 07 19 00-0511 LF 2-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.61 0.02 0.05	1.69
22 07 19 00-0512 LF 2-3/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.88 0.02 0.05	1.72
22 07 19 00-0513 LF 3" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.21 0.02 0.06	1.75
22 07 19 00-0514 LF 3-1/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.55 0.02 0.06	1.79
22 07 19 00-0515 LF 3-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.88 0.03 0.06	1.83
22 07 19 00-0516 LF 3-3/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.16 0.03 0.07	1.87
22 07 19 00-0517 LF 4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.51 0.03 0.07	1.91
22 07 19 00-0518 LF 4-1/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.86 0.03 0.08	1.96
22 07 19 00-0519 LF 4-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.24 0.03 0.08	2.01
22 07 19 00-0520 LF 4-3/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.57 0.03 0.08	2.05
22 07 19 00-0521 LF 5" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.95 0.04 0.09	2.10
22 07 19 00-0522 LF 5-1/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.34 0.04 0.09	2.16
22 07 19 00-0523 LF 5-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.69 0.04 0.10	2.20
22 07 19 00-0524 LF 5-3/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.12 0.04 0.10	2.26
22 07 19 00-0525 LF 6" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.56 0.04 0.11	2.33
22 07 19 00-0526 LF 6-1/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.86 0.04 0.11	2.37
22 07 19 00-0527 LF 6-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.17 0.05 0.11	2.40
22 07 19 00-0528 LF 7" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.70 0.05 0.12	2.46
22 07 19 00-0529 LF 7-1/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.09 0.05 0.13	2.52
22 07 19 00-0530 LF 7-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.42 0.05 0.13	2.56
22 07 19 00-0531 LF 8" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.93 0.06 0.14	2.60
22 07 19 00-0532 LF 8-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.42 0.06 0.15	2.64

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0533 LF 9" ID, 0.032" Aluminum Insulation Jacketing.....	17.02	2.72
For Stucco Embossed, Add	0.06	
For Corrugated, Add	0.15	
22 07 19 00-0534 LF 9-1/2" ID, 0.032" Aluminum Insulation Jacketing	17.56	2.77
For Stucco Embossed, Add	0.07	
For Corrugated, Add	0.16	
22 07 19 00-0535 LF 10" ID, 0.032" Aluminum Insulation Jacketing.....	18.07	2.82
For Stucco Embossed, Add	0.07	
For Corrugated, Add	0.17	
22 07 19 00-0536 LF 10-1/2" ID, 0.032" Aluminum Insulation Jacketing	18.62	2.87
For Stucco Embossed, Add	0.07	
For Corrugated, Add	0.18	
22 07 19 00-0537 LF 11" ID, 0.0106 Aluminum Insulation Jacketing.....	19.26	2.95
For Stucco Embossed, Add	0.07	
For Corrugated, Add	0.19	
22 07 19 00-0538 LF 11-1/2" ID, 0.032" Aluminum Insulation Jacketing	19.83	3.00
For Stucco Embossed, Add	0.08	
For Corrugated, Add	0.20	
22 07 19 00-0539 LF 12" ID, 0.032" Aluminum Insulation Jacketing.....	20.39	3.06
For Stucco Embossed, Add	0.08	
For Corrugated, Add	0.20	
22 07 19 00-0540 LF 12-1/2" ID, 0.032" Aluminum Insulation Jacketing	21.09	3.15
For Stucco Embossed, Add	0.08	
For Corrugated, Add	0.21	
22 07 19 00-0541 LF 13" ID, 0.032" Aluminum Insulation Jacketing.....	21.54	3.18
For Stucco Embossed, Add	0.09	
For Corrugated, Add	0.22	
22 07 19 00-0542 LF 14" ID, 0.032" Aluminum Insulation Jacketing.....	22.35	3.21
For Stucco Embossed, Add	0.09	
For Corrugated, Add	0.24	
22 07 19 00-0543 LF 15" ID, 0.032" Aluminum Insulation Jacketing.....	23.26	3.28
For Stucco Embossed, Add	0.10	
For Corrugated, Add	0.25	
22 07 19 00-0544 LF 16" ID, 0.032" Aluminum Insulation Jacketing.....	24.07	3.31
For Stucco Embossed, Add	0.11	
For Corrugated, Add	0.27	
22 07 19 00-0545 LF 17" ID, 0.032" Aluminum Insulation Jacketing.....	25.01	3.39
For Stucco Embossed, Add	0.11	
For Corrugated, Add	0.29	
22 07 19 00-0546 LF 18" ID, 0.032" Aluminum Insulation Jacketing.....	25.61	3.42
For Stucco Embossed, Add	0.12	
For Corrugated, Add	0.30	
22 07 19 00-0547 LF 19" ID, 0.032" Aluminum Insulation Jacketing.....	26.79	3.50
For Stucco Embossed, Add	0.13	
For Corrugated, Add	0.32	
22 07 19 00-0548 LF 20" ID, 0.032" Aluminum Insulation Jacketing.....	27.61	3.54
For Stucco Embossed, Add	0.13	
For Corrugated, Add	0.34	
22 07 19 00-0549 LF 21" ID, 0.032" Aluminum Insulation Jacketing.....	28.60	3.62
For Stucco Embossed, Add	0.14	
For Corrugated, Add	0.35	
22 07 19 00-0550 LF 22" ID, 0.032" Aluminum Insulation Jacketing.....	29.42	3.66
For Stucco Embossed, Add	0.15	
For Corrugated, Add	0.37	
22 07 19 00-0551 LF 23" ID, 0.032" Aluminum Insulation Jacketing.....	30.44	3.74
For Stucco Embossed, Add	0.15	
For Corrugated, Add	0.39	
22 07 19 00-0552 LF 24" ID, 0.032" Aluminum Insulation Jacketing.....	31.28	3.80
For Stucco Embossed, Add	0.16	
For Corrugated, Add	0.40	
22 07 19 00-0553 40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0342)		
22 07 19 00-0554 LF 1/2" ID, 0.040" Aluminum Insulation Jacketing.....	7.28	1.65
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.02	
22 07 19 00-0555 LF 3/4" ID, 0.040" Aluminum Insulation Jacketing.....	7.64	1.69
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.02	
22 07 19 00-0556 LF 1" ID, 0.040" Aluminum Insulation Jacketing.....	8.00	1.73
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.03	
22 07 19 00-0557 LF 1-1/4" ID, 0.040" Aluminum Insulation Jacketing	8.38	1.77
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.03	
22 07 19 00-0558 LF 1-1/2" ID, 0.040" Aluminum Insulation Jacketing	8.69	1.80
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.04	
22 07 19 00-0559 LF 1-3/4" ID, 0.040" Aluminum Insulation Jacketing	9.00	1.82
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.04	
22 07 19 00-0560 LF 2" ID, 0.040" Aluminum Insulation Jacketing.....	9.35	1.86
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0561 LF 2-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.71 0.02 0.05	1.90
22 07 19 00-0562 LF 2-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.11 0.02 0.06	1.94
22 07 19 00-0563 LF 2-3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.43 0.03 0.06	1.97
22 07 19 00-0564 LF 3" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.84 0.03 0.07	2.01
22 07 19 00-0565 LF 3-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.24 0.03 0.08	2.06
22 07 19 00-0566 LF 3-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.63 0.03 0.08	2.11
22 07 19 00-0567 LF 3-3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.98 0.03 0.09	2.14
22 07 19 00-0568 LF 4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.39 0.04 0.09	2.20
22 07 19 00-0569 LF 4-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.81 0.04 0.10	2.25
22 07 19 00-0570 LF 4-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.27 0.04 0.10	2.31
22 07 19 00-0571 LF 4-3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.66 0.04 0.11	2.35
22 07 19 00-0572 LF 5" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.11 0.04 0.11	2.41
22 07 19 00-0573 LF 5-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.58 0.05 0.12	2.48
22 07 19 00-0574 LF 5-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.99 0.05 0.12	2.53
22 07 19 00-0575 LF 5-3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.52 0.05 0.13	2.60
22 07 19 00-0576 LF 6" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.04 0.05 0.13	2.68
22 07 19 00-0577 LF 6-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.40 0.06 0.14	2.73
22 07 19 00-0578 LF 6-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.77 0.06 0.14	2.77
22 07 19 00-0579 LF 7" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.41 0.06 0.15	2.83
22 07 19 00-0580 LF 7-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.90 0.06 0.16	2.90
22 07 19 00-0581 LF 7-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.28 0.07 0.16	2.95
22 07 19 00-0582 LF 8" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.89 0.07 0.17	3.00
22 07 19 00-0583 LF 8-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.49 0.07 0.18	3.05
22 07 19 00-0584 LF 9" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.23 0.08 0.19	3.12
22 07 19 00-0585 LF 9-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.88 0.08 0.20	3.18
22 07 19 00-0586 LF 10" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.52 0.09 0.21	3.23
22 07 19 00-0587 LF 10-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.16 0.09 0.22	3.29
22 07 19 00-0588 LF 11" ID, 0.0106 Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.95 0.09 0.24	3.38

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0589 LF 11-1/2" ID, 0.040" Aluminum Insulation Jacketing.....	23.63	3.45
For Stucco Embossed, Add	0.10	
For Corrugated, Add	0.25	
22 07 19 00-0590 LF 12" ID, 0.040" Aluminum Insulation Jacketing.....	24.31	3.51
For Stucco Embossed, Add	0.10	
For Corrugated, Add	0.26	
22 07 19 00-0591 LF 12-1/2" ID, 0.040" Aluminum Insulation Jacketing.....	25.14	3.62
For Stucco Embossed, Add	0.11	
For Corrugated, Add	0.27	
22 07 19 00-0592 LF 13" ID, 0.040" Aluminum Insulation Jacketing.....	25.70	3.66
For Stucco Embossed, Add	0.11	
For Corrugated, Add	0.28	
22 07 19 00-0593 LF 14" ID, 0.040" Aluminum Insulation Jacketing.....	26.69	3.69
For Stucco Embossed, Add	0.12	
For Corrugated, Add	0.30	
22 07 19 00-0594 LF 15" ID, 0.040" Aluminum Insulation Jacketing.....	27.82	3.78
For Stucco Embossed, Add	0.13	
For Corrugated, Add	0.32	
22 07 19 00-0595 LF 16" ID, 0.040" Aluminum Insulation Jacketing.....	28.82	3.82
For Stucco Embossed, Add	0.14	
For Corrugated, Add	0.34	
22 07 19 00-0596 LF 17" ID, 0.040" Aluminum Insulation Jacketing.....	29.97	3.90
For Stucco Embossed, Add	0.14	
For Corrugated, Add	0.36	
22 07 19 00-0597 LF 18" ID, 0.040" Aluminum Insulation Jacketing.....	30.71	3.94
For Stucco Embossed, Add	0.15	
For Corrugated, Add	0.37	
22 07 19 00-0598 LF 19" ID, 0.040" Aluminum Insulation Jacketing.....	32.15	4.03
For Stucco Embossed, Add	0.16	
For Corrugated, Add	0.40	
22 07 19 00-0599 LF 20" ID, 0.040" Aluminum Insulation Jacketing.....	33.18	4.07
For Stucco Embossed, Add	0.17	
For Corrugated, Add	0.42	
22 07 19 00-0600 LF 21" ID, 0.040" Aluminum Insulation Jacketing.....	34.37	4.17
For Stucco Embossed, Add	0.18	
For Corrugated, Add	0.44	
22 07 19 00-0601 LF 22" ID, 0.040" Aluminum Insulation Jacketing.....	35.39	4.21
For Stucco Embossed, Add	0.19	
For Corrugated, Add	0.46	
22 07 19 00-0602 LF 23" ID, 0.040" Aluminum Insulation Jacketing.....	36.63	4.31
For Stucco Embossed, Add	0.19	
For Corrugated, Add	0.48	
22 07 19 00-0603 LF 24" ID, 0.040" Aluminum Insulation Jacketing.....	37.66	4.36
For Stucco Embossed, Add	0.20	
For Corrugated, Add	0.51	

22 07 19 00-0604 Aluminum Insulation Protective Jacketing For Fittings (22 07 19 00-0342)

22 07 19 00-0605 EA 1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	10.82	1.70
22 07 19 00-0606 EA 1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	11.07	1.76
22 07 19 00-0607 EA 2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	12.40	1.82
22 07 19 00-0608 EA 2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	12.51	1.85
22 07 19 00-0609 EA 2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	12.63	1.88
22 07 19 00-0610 EA 2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	12.81	1.93
22 07 19 00-0611 EA 3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	13.43	1.98
22 07 19 00-0612 EA 3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	13.64	2.03
22 07 19 00-0613 EA 3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	14.79	2.06
22 07 19 00-0614 EA 3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	15.10	2.10
22 07 19 00-0615 EA 4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	15.64	2.15
22 07 19 00-0616 EA 4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	16.00	2.19
22 07 19 00-0617 EA 4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	16.16	2.23
22 07 19 00-0618 EA 4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	16.33	2.28
22 07 19 00-0619 EA 5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	17.44	2.32
22 07 19 00-0620 EA 5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	18.87	2.37
22 07 19 00-0621 EA 5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	21.47	2.44
22 07 19 00-0622 EA 5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	21.68	2.49
22 07 19 00-0623 EA 6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	20.29	2.57
22 07 19 00-0624 EA 6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	20.52	2.63
22 07 19 00-0625 EA 6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	22.92	2.73
22 07 19 00-0626 EA 7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	25.74	2.79
22 07 19 00-0627 EA 7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	25.87	2.82
22 07 19 00-0628 EA 7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	32.89	2.86
22 07 19 00-0629 EA 8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	27.56	2.89
22 07 19 00-0630 EA 8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	41.42	2.96
22 07 19 00-0631 EA 9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	41.72	3.04
22 07 19 00-0632 EA 9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	34.06	3.08
22 07 19 00-0633 EA 10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	34.23	3.12
22 07 19 00-0634 EA 10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	34.86	3.16
22 07 19 00-0635 EA 11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	35.03	3.20
22 07 19 00-0636 EA 11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	38.42	3.29
22 07 19 00-0637 EA 12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	38.61	3.33
22 07 19 00-0638 EA 12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	58.71	3.43
22 07 19 00-0639 EA 13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	58.91	3.48



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0640	EA		14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	74.67	3.58
22 07 19 00-0641	EA		15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	77.86	3.70
22 07 19 00-0642	EA		16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	83.83	3.75
22 07 19 00-0643	EA		2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	11.74	1.88
22 07 19 00-0644	EA		2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	11.92	1.93
22 07 19 00-0645	EA		3" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	12.66	1.98
22 07 19 00-0646	EA		3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	12.87	2.03
22 07 19 00-0647	EA		3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing.....	13.68	2.06
22 07 19 00-0648	EA		3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	13.82	2.10
22 07 19 00-0649	EA		4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	14.14	2.15
22 07 19 00-0650	EA		4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	15.08	2.19
22 07 19 00-0651	EA		4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	15.24	2.23
22 07 19 00-0652	EA		4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	15.41	2.28
22 07 19 00-0653	EA		5" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	16.70	2.32
22 07 19 00-0654	EA		5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	16.88	2.37
22 07 19 00-0655	EA		5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	17.53	2.44
22 07 19 00-0656	EA		6" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	18.07	2.57
22 07 19 00-0657	EA		6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	21.62	2.73
22 07 19 00-0658	EA		7" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	21.87	2.79
22 07 19 00-0659	EA		7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	22.25	2.86
22 07 19 00-0660	EA		8" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	22.38	2.89
22 07 19 00-0661	EA		8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	25.31	2.96
22 07 19 00-0662	EA		9" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	25.61	3.04
22 07 19 00-0663	EA		9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	31.00	3.08
22 07 19 00-0664	EA		10" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	31.17	3.12
22 07 19 00-0665	EA		10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	30.12	3.16
22 07 19 00-0666	EA		11" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	30.29	3.20
22 07 19 00-0667	EA		11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	34.16	3.29
22 07 19 00-0668	EA		12" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	34.35	3.33
22 07 19 00-0669	EA		13" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	38.59	3.48
22 07 19 00-0670	EA		14" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	44.61	3.58
22 07 19 00-0671	EA		15" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	61.42	3.70
22 07 19 00-0672	EA		16" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	65.58	3.75
22 07 19 00-0673	EA		17" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	64.63	3.82
22 07 19 00-0674	EA		18" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	71.81	3.89
22 07 19 00-0675	EA		19" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	84.55	3.95
22 07 19 00-0676	EA		20" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	82.56	4.02
22 07 19 00-0677	EA		21" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	88.12	4.08
22 07 19 00-0678	EA		2-1/2" ID, Aluminum Tee Insulation Jacketing.....	39.74	2.69
22 07 19 00-0679	EA		2-3/4" ID, Aluminum Tee Insulation Jacketing.....	39.99	2.76
22 07 19 00-0680	EA		3" ID, Aluminum Tee Insulation Jacketing.....	44.01	2.82
22 07 19 00-0681	EA		3-1/4" ID, Aluminum Tee Insulation Jacketing.....	44.29	2.89
22 07 19 00-0682	EA		3-1/2" ID Aluminum Tee Insulation Jacketing.....	46.15	2.96
22 07 19 00-0683	EA		4" ID, Aluminum Tee Insulation Jacketing.....	46.82	3.04
22 07 19 00-0684	EA		4-1/4" ID, Aluminum Tee Insulation Jacketing.....	49.15	3.12
22 07 19 00-0685	EA		4-1/2" ID, Aluminum Tee Insulation Jacketing.....	49.18	3.20
22 07 19 00-0686	EA		4-3/4" ID, Aluminum Tee Insulation Jacketing.....	49.53	3.29
22 07 19 00-0687	EA		5" ID, Aluminum Tee Insulation Jacketing.....	51.28	3.38
22 07 19 00-0688	EA		5-1/4" ID, Aluminum Tee Insulation Jacketing.....	51.67	3.48
22 07 19 00-0689	EA		5-1/2" ID, Aluminum Tee Insulation Jacketing.....	53.76	3.58
22 07 19 00-0690	EA		6" ID, Aluminum Tee Insulation Jacketing.....	54.21	3.70
22 07 19 00-0691	EA		6-1/2" ID, Aluminum Tee Insulation Jacketing.....	59.08	3.95
22 07 19 00-0692	EA		7" ID, Aluminum Tee Insulation Jacketing.....	59.62	4.08
22 07 19 00-0693	EA		7-1/2" ID, Aluminum Tee Insulation Jacketing.....	65.06	4.23
22 07 19 00-0694	EA		8" ID, Aluminum Tee Insulation Jacketing.....	65.68	4.38
22 07 19 00-0695	EA		8-1/2" ID, Aluminum Tee Insulation Jacketing.....	67.63	4.55
22 07 19 00-0696	EA		9" ID, Aluminum Tee Insulation Jacketing.....	68.36	4.73
22 07 19 00-0697	EA		9-1/2" ID, Aluminum Tee Insulation Jacketing.....	56.00	4.83
22 07 19 00-0698	EA		10" ID, Aluminum Tee Insulation Jacketing.....	56.40	4.94
22 07 19 00-0699	EA		10-1/2" ID, Aluminum Tee Insulation Jacketing.....	59.22	5.04
22 07 19 00-0700	EA		11" ID, Aluminum Tee Insulation Jacketing.....	59.65	5.15
22 07 19 00-0701	EA		11-1/2" ID, Aluminum Tee Insulation Jacketing.....	62.24	5.26
22 07 19 00-0702	EA		12" ID, Aluminum Tee Insulation Jacketing.....	62.72	5.38
22 07 19 00-0703	EA		13" ID, Aluminum Tee Insulation Jacketing.....	65.26	5.51
22 07 19 00-0704	EA		14" ID, Aluminum Tee Insulation Jacketing.....	67.91	5.64
22 07 19 00-0705	EA		15" ID, Aluminum Tee Insulation Jacketing.....	72.16	5.77
22 07 19 00-0706	EA		16" ID, Aluminum Tee Insulation Jacketing.....	73.97	5.91
22 07 19 00-0707	EA		17" ID, Aluminum Tee Insulation Jacketing.....	82.10	6.08
22 07 19 00-0708	EA		18" ID, Aluminum Tee Insulation Jacketing.....	84.99	6.23
22 07 19 00-0709	EA		19" ID, Aluminum Tee Insulation Jacketing.....	92.03	6.40
22 07 19 00-0710	EA		20" ID, Aluminum Tee Insulation Jacketing.....	94.19	6.58
22 07 19 00-0711	EA		22" ID, Aluminum Tee Insulation Jacketing.....	113.41	6.76
22 07 19 00-0712	EA		23" ID, Aluminum Tee Insulation Jacketing.....	116.61	6.96
22 07 19 00-0713	EA		24" ID, Aluminum Tee Insulation Jacketing.....	121.61	7.64
22 07 19 00-0714			Stainless Steel Insulation Protective Jacketing With Bands (22 07 19 00-0341)		
22 07 19 00-0715			Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands (22 07 19 00-0714)		
22 07 19 00-0716	SF		0.010" Stainless Steel Insulation Jacket With Bands.....	11.77	4.44
22 07 19 00-0717	SF		0.016" Stainless Steel Insulation Jacket With Bands.....	14.59	5.33



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0718	10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands <small>(22 07 19 00-0714)</small>		
22 07 19 00-0719	LF 2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	6.62	0.95
22 07 19 00-0720	LF 2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	6.95	0.97
22 07 19 00-0721	LF 3" ID, 0.010" Stainless Steel Insulation Jacketing.....	7.28	0.99
22 07 19 00-0722	LF 3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	7.62	1.01
22 07 19 00-0723	LF 3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	7.96	1.03
22 07 19 00-0724	LF 3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	8.30	1.05
22 07 19 00-0725	LF 4" ID, 0.010" Stainless Steel Insulation Jacketing.....	8.65	1.08
22 07 19 00-0726	LF 4-1/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	8.99	1.10
22 07 19 00-0727	LF 4-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	9.35	1.13
22 07 19 00-0728	LF 5" ID, 0.010" Stainless Steel Insulation Jacketing.....	10.08	1.18
22 07 19 00-0729	LF 5-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	10.84	1.24
22 07 19 00-0730	LF 6" ID, 0.010" Stainless Steel Insulation Jacketing.....	11.61	1.31
22 07 19 00-0731	LF 6-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	12.26	1.35
22 07 19 00-0732	LF 7" ID, 0.010" Stainless Steel Insulation Jacketing.....	12.93	1.39
22 07 19 00-0733	LF 7-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	13.63	1.44
22 07 19 00-0734	LF 8" ID, 0.010" Stainless Steel Insulation Jacketing.....	14.24	1.47
22 07 19 00-0735	LF 8-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	14.86	1.49
22 07 19 00-0736	LF 9" ID, 0.010" Stainless Steel Insulation Jacketing.....	15.48	1.52
22 07 19 00-0737	LF 9-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	16.10	1.55
22 07 19 00-0738	LF 10" ID, 0.010" Stainless Steel Insulation Jacketing.....	16.73	1.58
22 07 19 00-0739	LF 10-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	17.37	1.63
22 07 19 00-0740	LF 11" ID, 0.010" Stainless Steel Insulation Jacketing.....	18.00	1.66
22 07 19 00-0741	LF 12" ID, 0.010" Stainless Steel Insulation Jacketing.....	19.29	1.73
22 07 19 00-0742	LF 13" ID, 0.010" Stainless Steel Insulation Jacketing.....	20.57	1.80
22 07 19 00-0743	LF 14" ID, 0.010" Stainless Steel Insulation Jacketing.....	21.68	1.82
22 07 19 00-0744	16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands <small>(22 07 19 00-0714)</small>		
22 07 19 00-0745	LF 2-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	9.14	1.26
22 07 19 00-0746	LF 2-3/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	9.61	1.28
22 07 19 00-0747	LF 3" ID, 0.016" Stainless Steel Insulation Jacketing.....	10.08	1.31
22 07 19 00-0748	LF 3-1/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	10.57	1.34
22 07 19 00-0749	LF 3-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	11.05	1.37
22 07 19 00-0750	LF 3-3/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	11.53	1.40
22 07 19 00-0751	LF 4" ID, 0.016" Stainless Steel Insulation Jacketing.....	12.01	1.43
22 07 19 00-0752	LF 4-1/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	12.52	1.46
22 07 19 00-0753	LF 4-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	13.02	1.50
22 07 19 00-0754	LF 5" ID, 0.016" Stainless Steel Insulation Jacketing.....	14.06	1.57
22 07 19 00-0755	LF 5-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	15.11	1.66
22 07 19 00-0756	LF 6" ID, 0.016" Stainless Steel Insulation Jacketing.....	16.20	1.75
22 07 19 00-0757	LF 6-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	17.13	1.80
22 07 19 00-0758	LF 7" ID, 0.016" Stainless Steel Insulation Jacketing.....	18.08	1.86
22 07 19 00-0759	LF 7-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	19.08	1.92
22 07 19 00-0760	LF 8" ID, 0.016" Stainless Steel Insulation Jacketing.....	19.94	1.96
22 07 19 00-0761	LF 8-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	20.82	1.99
22 07 19 00-0762	LF 9" ID, 0.016" Stainless Steel Insulation Jacketing.....	21.72	2.03
22 07 19 00-0763	LF 9-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	22.60	2.07
22 07 19 00-0764	LF 10" ID, 0.016" Stainless Steel Insulation Jacketing.....	23.50	2.11
22 07 19 00-0765	LF 10-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	24.41	2.16
22 07 19 00-0766	LF 11" ID, 0.016" Stainless Steel Insulation Jacketing.....	25.31	2.20
22 07 19 00-0767	LF 12" ID, 0.016" Stainless Steel Insulation Jacketing.....	27.15	2.30
22 07 19 00-0768	LF 13" ID, 0.016" Stainless Steel Insulation Jacketing.....	28.96	2.38
22 07 19 00-0769	LF 14" ID, 0.016" Stainless Steel Insulation Jacketing.....	30.56	2.42
22 07 19 00-0770	Type 316 Stainless Steel Insulation Protective Jacketing For Fittings <small>(22 07 19 00-0714)</small>		
22 07 19 00-0771	EA 2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	20.02	1.88
22 07 19 00-0772	EA 2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	20.20	1.93
22 07 19 00-0773	EA 3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	20.96	1.98
22 07 19 00-0774	EA 3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	21.17	2.03
22 07 19 00-0775	EA 3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	21.97	2.06
22 07 19 00-0776	EA 3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	22.89	2.10
22 07 19 00-0777	EA 4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	24.56	2.15
22 07 19 00-0778	EA 4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	29.97	2.19
22 07 19 00-0779	EA 4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	30.13	2.23
22 07 19 00-0780	EA 5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	30.98	2.32
22 07 19 00-0781	EA 5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	42.09	2.44
22 07 19 00-0782	EA 6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	45.79	2.57
22 07 19 00-0783	EA 6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	59.74	2.73
22 07 19 00-0784	EA 7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	59.99	2.79
22 07 19 00-0785	EA 7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	68.46	2.86
22 07 19 00-0786	EA 8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	68.88	2.96
22 07 19 00-0787	EA 8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	70.82	2.96
22 07 19 00-0788	EA 9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	101.85	3.04
22 07 19 00-0789	EA 9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	100.45	3.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0790 EA 10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	100.62	3.12
22 07 19 00-0791 EA 10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	118.10	3.16
22 07 19 00-0792 EA 11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	113.48	3.20
22 07 19 00-0793 EA 12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	127.64	3.33
22 07 19 00-0794 EA 13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	172.29	3.48
22 07 19 00-0795 EA 14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	173.78	3.58
22 07 19 00-0796 EA 2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	17.94	1.88
22 07 19 00-0797 EA 2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	18.12	1.93
22 07 19 00-0798 EA 3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	19.10	1.98
22 07 19 00-0799 EA 3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	19.31	2.03
22 07 19 00-0800 EA 3-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	19.59	2.06
22 07 19 00-0801 EA 3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	19.73	2.10
22 07 19 00-0802 EA 4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	23.20	2.15
22 07 19 00-0803 EA 4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	29.25	2.19
22 07 19 00-0804 EA 4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	29.41	2.23
22 07 19 00-0805 EA 4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	29.58	2.28
22 07 19 00-0806 EA 5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	30.12	2.32
22 07 19 00-0807 EA 5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	30.59	2.44
22 07 19 00-0808 EA 6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	35.01	2.57
22 07 19 00-0809 EA 6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	35.60	2.73
22 07 19 00-0810 EA 7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	52.95	2.79
22 07 19 00-0811 EA 7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	54.09	2.86
22 07 19 00-0812 EA 8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	54.22	2.89
22 07 19 00-0813 EA 8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	61.77	2.96
22 07 19 00-0814 EA 9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	62.07	3.04
22 07 19 00-0815 EA 9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	70.92	3.08
22 07 19 00-0816 EA 10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	71.09	3.12
22 07 19 00-0817 EA 10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	83.08	3.16
22 07 19 00-0818 EA 11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	83.25	3.20
22 07 19 00-0819 EA 12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	89.85	3.33
22 07 19 00-0820 EA 13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	103.96	3.48

22 07 19 00-0821 Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0341)

22 07 19 00-0822 20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0821)

22 07 19 00-0823 LF 1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	3.75	0.88
22 07 19 00-0824 LF 2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	3.96	0.91
22 07 19 00-0825 LF 2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	4.17	0.95
22 07 19 00-0826 LF 3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	4.41	0.99
22 07 19 00-0827 LF 3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	4.64	1.03
22 07 19 00-0828 LF 4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	4.90	1.08
22 07 19 00-0829 LF 4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	5.17	1.13
22 07 19 00-0830 LF 5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	5.45	1.18
22 07 19 00-0831 LF 5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	5.78	1.24
22 07 19 00-0832 LF 6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.12	1.31
22 07 19 00-0833 LF 6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.34	1.35
22 07 19 00-0834 LF 7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.56	1.39
22 07 19 00-0835 LF 7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.84	1.44
22 07 19 00-0836 LF 8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.01	1.47
22 07 19 00-0837 LF 8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.20	1.49
22 07 19 00-0838 LF 9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.38	1.52
22 07 19 00-0839 LF 9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.57	1.55
22 07 19 00-0840 LF 10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.76	1.58
22 07 19 00-0841 LF 10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.96	1.63
22 07 19 00-0842 LF 11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.16	1.66
22 07 19 00-0843 LF 11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.37	1.70
22 07 19 00-0844 LF 12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.58	1.73
22 07 19 00-0845 LF 12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.82	1.77
22 07 19 00-0846 LF 13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.99	1.80
22 07 19 00-0847 LF 13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.06	1.80
22 07 19 00-0848 LF 14" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.24	1.82
22 07 19 00-0849 LF 15" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.49	1.85
22 07 19 00-0850 LF 16" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.74	1.88
22 07 19 00-0851 LF 17" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.00	1.91
22 07 19 00-0852 LF 18" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.26	1.94
22 07 19 00-0853 LF 19" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.52	1.98
22 07 19 00-0854 LF 20" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.79	2.01
22 07 19 00-0855 LF 21" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.07	2.04
22 07 19 00-0856 LF 22" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.35	2.08
22 07 19 00-0857 LF 23" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.63	2.11
22 07 19 00-0858 LF 24" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.92	2.15
22 07 19 00-0859 LF 25" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	12.22	2.19
22 07 19 00-0860 LF 26" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	12.51	2.23
22 07 19 00-0861 LF 27" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	12.82	2.28
22 07 19 00-0862 LF 28" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	13.14	2.32
22 07 19 00-0863 LF 29" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	13.46	2.37
22 07 19 00-0864 LF 30" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	13.80	2.41

22 07 19 00-0865 30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0821)



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 07 19 00-0866	LF	2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	4.11	0.91
22 07 19 00-0867	LF	2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	4.36	0.95
22 07 19 00-0868	LF	3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	4.63	0.99
22 07 19 00-0869	LF	3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	4.89	1.03
22 07 19 00-0870	LF	4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	5.18	1.08
22 07 19 00-0871	LF	4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	5.48	1.13
22 07 19 00-0872	LF	5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	5.80	1.18
22 07 19 00-0873	LF	5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.16	1.24
22 07 19 00-0874	LF	6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.53	1.31
22 07 19 00-0875	LF	6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.78	1.35
22 07 19 00-0876	LF	7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.04	1.39
22 07 19 00-0877	LF	7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.35	1.44
22 07 19 00-0878	LF	8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.56	1.47
22 07 19 00-0879	LF	8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.78	1.49
22 07 19 00-0880	LF	9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.99	1.52
22 07 19 00-0881	LF	9-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.21	1.55
22 07 19 00-0882	LF	10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.44	1.58
22 07 19 00-0883	LF	10-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.67	1.63
22 07 19 00-0884	LF	11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.90	1.66
22 07 19 00-0885	LF	11-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.14	1.70
22 07 19 00-0886	LF	12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.39	1.73
22 07 19 00-0887	LF	12-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.66	1.77
22 07 19 00-0888	LF	13" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.87	1.80
22 07 19 00-0889	LF	13-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.97	1.80
22 07 19 00-0890	LF	14" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.18	1.82
22 07 19 00-0891	LF	15" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.49	1.85
22 07 19 00-0892	LF	16" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.81	1.88
22 07 19 00-0893	LF	17" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.13	1.91
22 07 19 00-0894	LF	18" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.46	1.94
22 07 19 00-0895	LF	19" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.79	1.98
22 07 19 00-0896	LF	20" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.12	2.01
22 07 19 00-0897	LF	21" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.47	2.04
22 07 19 00-0898	LF	22" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.81	2.08
22 07 19 00-0899	LF	23" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.16	2.11
22 07 19 00-0900	LF	24" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.51	2.15
22 07 19 00-0901	LF	25" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.88	2.19
22 07 19 00-0902	LF	26" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.24	2.23
22 07 19 00-0903	LF	27" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.61	2.28
22 07 19 00-0904	LF	28" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.00	2.32
22 07 19 00-0905	LF	29" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.38	2.37
22 07 19 00-0906	LF	30" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.78	2.41

22 07 19 00-0907 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings (22 07 19 00-

22 07 19 00-0908	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	7.56	1.76
22 07 19 00-0909	EA	2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	7.97	1.82
22 07 19 00-0910	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	8.16	1.85
22 07 19 00-0911	EA	2-1/2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	8.36	1.88
22 07 19 00-0912	EA	2-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	8.61	1.93
22 07 19 00-0913	EA	3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	8.85	1.98
22 07 19 00-0914	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	9.26	2.04
22 07 19 00-0915	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	9.60	2.10
22 07 19 00-0916	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	10.15	2.15
22 07 19 00-0917	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	10.88	2.25
22 07 19 00-0918	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	11.64	2.37
22 07 19 00-0919	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	12.83	2.49
22 07 19 00-0920	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	15.30	2.63
22 07 19 00-0921	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	15.91	2.73
22 07 19 00-0922	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	17.43	2.79
22 07 19 00-0923	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	18.02	2.86
22 07 19 00-0924	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	20.33	2.96
22 07 19 00-0925	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	23.64	3.08
22 07 19 00-0926	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	25.46	3.20
22 07 19 00-0927	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	27.85	3.33
22 07 19 00-0928	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	32.25	3.48
22 07 19 00-0929	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	35.29	3.58
22 07 19 00-0930	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	37.30	3.70
22 07 19 00-0931	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	39.60	3.75
22 07 19 00-0932	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	42.53	3.82
22 07 19 00-0933	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	50.67	3.89
22 07 19 00-0934	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	63.51	3.95
22 07 19 00-0935	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	77.39	4.02
22 07 19 00-0936	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	7.56	1.76
22 07 19 00-0937	EA	2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	7.97	1.82
22 07 19 00-0938	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	8.16	1.85
22 07 19 00-0939	EA	2-1/2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	8.36	1.88
22 07 19 00-0940	EA	2-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	8.61	1.93
22 07 19 00-0941	EA	3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	8.85	1.98
22 07 19 00-0942	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	9.26	2.04
22 07 19 00-0943	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	9.60	2.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0944 EA 4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	10.15	2.15
22 07 19 00-0945 EA 4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	10.88	2.25
22 07 19 00-0946 EA 5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	11.64	2.37
22 07 19 00-0947 EA 5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	12.83	2.49
22 07 19 00-0948 EA 6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	15.30	2.63
22 07 19 00-0949 EA 6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	15.91	2.73
22 07 19 00-0950 EA 7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	17.43	2.79
22 07 19 00-0951 EA 7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	18.02	2.86
22 07 19 00-0952 EA 8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	20.33	2.96
22 07 19 00-0953 EA 9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	23.64	3.08
22 07 19 00-0954 EA 10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	25.45	3.20
22 07 19 00-0955 EA 11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	27.29	3.33
22 07 19 00-0956 EA 12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	29.50	3.48
22 07 19 00-0957 EA 14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	32.14	3.58
22 07 19 00-0958 EA 15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	33.89	3.70
22 07 19 00-0959 EA 16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	36.84	3.75
22 07 19 00-0960 EA 17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	39.83	3.82
22 07 19 00-0961 EA 18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	45.52	3.89
22 07 19 00-0962 EA 19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	56.71	3.95
22 07 19 00-0963 EA 20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	62.41	4.02
22 07 19 00-0964 EA 1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	10.91	2.46
22 07 19 00-0965 EA 2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	11.25	2.52
22 07 19 00-0966 EA 2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	11.69	2.60
22 07 19 00-0967 EA 2-1/2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	12.16	2.69
22 07 19 00-0968 EA 2-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	12.68	2.79
22 07 19 00-0969 EA 3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	13.22	2.89
22 07 19 00-0970 EA 3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	13.00	3.00
22 07 19 00-0971 EA 3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	14.61	3.12
22 07 19 00-0972 EA 4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	15.55	3.24
22 07 19 00-0973 EA 4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	16.75	3.38
22 07 19 00-0974 EA 5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	18.00	3.53
22 07 19 00-0975 EA 5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	20.17	3.75
22 07 19 00-0976 EA 6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	22.53	3.95
22 07 19 00-0977 EA 6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	24.40	4.02
22 07 19 00-0978 EA 7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	30.09	4.16
22 07 19 00-0979 EA 7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	32.32	4.38
22 07 19 00-0980 EA 8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	36.20	4.55
22 07 19 00-0981 EA 9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	40.15	4.73
22 07 19 00-0982 EA 10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	41.18	4.94
22 07 19 00-0983 EA 11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	43.99	5.04
22 07 19 00-0984 EA 12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	46.80	5.15
22 07 19 00-0985 EA 14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	49.66	5.26
22 07 19 00-0986 EA 15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	52.51	5.38
22 07 19 00-0987 EA 16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	55.39	5.51
22 07 19 00-0988 EA 17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	58.28	5.64
22 07 19 00-0989 EA 18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	62.43	5.77
22 07 19 00-0990 EA 19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	66.59	5.91
22 07 19 00-0991 EA 20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	71.56	6.08
22 07 19 00-0992 EA 3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	11.11	1.70
22 07 19 00-0993 EA 1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	11.11	1.70
22 07 19 00-0994 EA 1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	12.52	1.76
22 07 19 00-0995 EA 1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	12.52	1.76
22 07 19 00-0996 EA 2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	15.98	1.82
22 07 19 00-0997 EA 2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	17.23	1.90
22 07 19 00-0998 EA 3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	18.70	1.98
22 07 19 00-0999 EA 3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	20.75	2.06
22 07 19 00-1000 EA 4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	22.55	2.15
22 07 19 00-1001 EA 5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	26.80	2.37
22 07 19 00-1002 EA 6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	36.13	2.63
22 07 19 00-1003 EA 8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	39.72	2.96
22 07 19 00-1004 EA 10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	48.30	3.16
22 07 19 00-1005 EA 12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	65.23	3.48
22 07 19 00-1006 EA 14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	65.97	3.64
22 07 19 00-1007 EA 16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	84.93	3.75
22 07 19 00-1008 EA 18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	111.64	3.89
22 07 19 00-1009 EA 3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	10.63	1.70
22 07 19 00-1010 EA 1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	10.63	1.70
22 07 19 00-1011 EA 1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	11.94	1.76
22 07 19 00-1012 EA 1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	11.94	1.76
22 07 19 00-1013 EA 2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	15.03	1.82
22 07 19 00-1014 EA 2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	16.17	1.90
22 07 19 00-1015 EA 3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	17.54	1.98
22 07 19 00-1016 EA 3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	18.42	2.06
22 07 19 00-1017 EA 4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	21.01	2.15
22 07 19 00-1018 EA 5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	24.89	2.37
22 07 19 00-1019 EA 6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	33.32	2.63
22 07 19 00-1020 EA 8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	36.64	2.96
22 07 19 00-1021 EA 10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	44.38	3.16
22 07 19 00-1022 EA 12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	59.62	3.48
22 07 19 00-1023 EA 14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	74.01	3.64
22 07 19 00-1024 EA 16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	87.04	3.75



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 07 19 00-1025	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	100.50	3.89
22 07 19 00-1026	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	15.85	2.54
22 07 19 00-1027	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	15.85	2.54
22 07 19 00-1028	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	17.69	2.63
22 07 19 00-1029	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	17.69	2.63
22 07 19 00-1030	EA	2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	22.18	2.73
22 07 19 00-1031	EA	2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	23.83	2.82
22 07 19 00-1032	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	25.89	2.96
22 07 19 00-1033	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	27.19	3.08
22 07 19 00-1034	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	31.15	3.24
22 07 19 00-1035	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	34.17	3.53
22 07 19 00-1036	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	45.42	3.95
22 07 19 00-1037	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	49.66	4.38
22 07 19 00-1038	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	65.33	4.73
22 07 19 00-1039	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	87.26	5.15
22 07 19 00-1040	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	102.55	5.51
22 07 19 00-1041	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	119.15	5.64
22 07 19 00-1042	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	129.52	5.77

22 07 19 00-1043 Insulation Foam Rubber (22 07 19)

22 07 19 00-1044 Covering 4x6 Sheet (22 07 19 00-1043)

22 07 19 00-1045	SF	1" Thick Foam Rubber Sheet Insulation.....	12.05	4.20
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22 10 Plumbing Piping (22)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 Facility Water Distribution (22 10)

22 11 16 Domestic Water Piping (22 11)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

22 11 16 00-0001 Galvanized Steel Pipe Assemblies (22 11 16)

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

22 11 16 00-0002	LF	1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	10.77	2.59
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	2.70	
		For ASTM 120, Deduct	-0.33	
		For Work In Restricted Working Space, Add	2.58	
22 11 16 00-0003	LF	3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	11.65	2.78
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	2.97	
		For ASTM 120, Deduct	-0.38	
		For Work In Restricted Working Space, Add	2.73	
22 11 16 00-0004	LF	1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	12.87	3.05
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	3.36	
		For ASTM 120, Deduct	-0.47	
		For Work In Restricted Working Space, Add	2.92	
22 11 16 00-0005	LF	1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	14.85	3.18
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	4.10	
		For ASTM 120, Deduct	-0.68	
		For Work In Restricted Working Space, Add	3.10	
22 11 16 00-0006	LF	1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	15.73	3.75
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	4.39	
		For ASTM 120, Deduct	-0.75	
		For Work In Restricted Working Space, Add	3.23	
22 11 16 00-0007	LF	2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	18.56	4.54
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	5.29	
		For ASTM 120, Deduct	-0.95	
		For Work In Restricted Working Space, Add	3.67	
22 11 16 00-0008	LF	2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	25.45	5.37
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	7.87	
		For ASTM 120, Deduct	-1.67	
		For Work In Restricted Working Space, Add	4.31	



Plumbing	22	22
Plumbing Piping	22 10	
Facility Water Distribution	22 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0009 LF 3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 31.38		7.19
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	9.77	
For ASTM 120, Deduct	-2.10	
For Work In Restricted Working Space, Add	5.22	
22 11 16 00-0010 LF 4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 44.24		8.16
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	15.14	
For ASTM 120, Deduct	-3.78	
For Work In Restricted Working Space, Add	5.72	
22 11 16 00-0011 LF 5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 73.82		10.43
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	27.46	
For ASTM 120, Deduct	-7.62	
For Work In Restricted Working Space, Add	6.91	
22 11 16 00-0012 LF 6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 39.53		12.33
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	11.25	
For ASTM 120, Deduct	-2.01	
For Work In Restricted Working Space, Add	7.85	
22 11 16 00-0013 Galvanized Steel Pipe And Threaded Fittings (22 11 16)		
Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
22 11 16 00-0014 Threaded And Coupled, Galvanized Steel Piping (22 11 16 00-0013)		
Note: ASTM A-53. Includes coupling.		
22 11 16 00-0015 LF 1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe 4.82		2.59
For Schedule 80 Pipe, Add	0.82	
For ASTM 120, Deduct	-0.14	
For Work In Restricted Working Space, Add	1.18	
22 11 16 00-0016 LF 3/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe 5.37		2.78
For Schedule 80 Pipe, Add	0.99	
For ASTM 120, Deduct	-0.18	
For Work In Restricted Working Space, Add	1.25	
22 11 16 00-0017 LF 1" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe 6.30		3.05
For Schedule 80 Pipe, Add	1.30	
For ASTM 120, Deduct	-0.27	
For Work In Restricted Working Space, Add	1.36	
22 11 16 00-0018 LF 1-1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe 7.20		3.18
For Schedule 80 Pipe, Add	1.63	
For ASTM 120, Deduct	-0.36	
For Work In Restricted Working Space, Add	1.44	
22 11 16 00-0019 LF 1-1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe 8.50		3.75
For Schedule 80 Pipe, Add	1.94	
For ASTM 120, Deduct	-0.43	
For Work In Restricted Working Space, Add	1.69	
22 11 16 00-0020 LF 2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe 10.68		4.54
For Schedule 80 Pipe, Add	2.53	
For ASTM 120, Deduct	-0.58	
For Work In Restricted Working Space, Add	2.05	
22 11 16 00-0021 LF 2-1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe 14.22		5.37
For Schedule 80 Pipe, Add	3.75	
For ASTM 120, Deduct	-0.92	
For Work In Restricted Working Space, Add	2.43	
22 11 16 00-0022 LF 3" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe 18.80		7.19
For Schedule 80 Pipe, Add	4.92	
For ASTM 120, Deduct	-1.20	
For Work In Restricted Working Space, Add	3.24	
22 11 16 00-0023 LF 4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe 23.67		8.16
For Schedule 80 Pipe, Add	6.70	
For ASTM 120, Deduct	-1.71	
For Work In Restricted Working Space, Add	3.68	
22 11 16 00-0024 LF 5" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe 30.90		10.43
For Schedule 80 Pipe, Add	8.90	
For ASTM 120, Deduct	-2.29	
For Work In Restricted Working Space, Add	4.68	
22 11 16 00-0025 LF 6" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe 38.31		12.33
For Schedule 80 Pipe, Add	11.37	
For ASTM 120, Deduct	-2.98	
For Work In Restricted Working Space, Add	5.54	
22 11 16 00-0026 Galvanized Malleable Iron 90 Degree Elbows (22 11 16 00-0013)		
22 11 16 00-0027 EA 1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow 19.00		11.53
For 300 LB Rating, Add	6.92	
For ASTM 120, Deduct	-0.26	
For Work In Restricted Working Space, Add	5.18	
22 11 16 00-0028 EA 3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow 21.45		12.89
For 300 LB Rating, Add	8.37	
For ASTM 120, Deduct	-0.32	
For Work In Restricted Working Space, Add	5.80	

22	Plumbing
22 10	Plumbing Piping
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0029	EA	1"	150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	25.52	14.38
			<i>For 300 LB Rating, Add</i>	14.66	
			<i>For ASTM 120, Deduct</i>	-0.59	
			<i>For Work In Restricted Working Space, Add</i>	6.48	
22 11 16 00-0030	EA	1-1/4"	150 LB, Galvanized Malleable Iron 90 Degree Elbow	30.65	16.32
			<i>For 300 LB Rating, Add</i>	22.58	
			<i>For ASTM 120, Deduct</i>	-0.93	
			<i>For Work In Restricted Working Space, Add</i>	7.33	
22 11 16 00-0031	EA	1-1/2"	150 LB, Galvanized Malleable Iron 90 Degree Elbow	35.66	18.39
			<i>For 300 LB Rating, Add</i>	29.19	
			<i>For ASTM 120, Deduct</i>	-1.22	
			<i>For Work In Restricted Working Space, Add</i>	8.27	
22 11 16 00-0032	EA	2"	150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	48.28	23.38
			<i>For 300 LB Rating, Add</i>	47.22	
			<i>For ASTM 120, Deduct</i>	-1.99	
			<i>For Work In Restricted Working Space, Add</i>	10.50	
22 11 16 00-0033	EA	2-1/2"	150 LB, Galvanized Malleable Iron 90 Degree Elbow	86.52	34.59
			<i>For 300 LB Rating, Add</i>	121.12	
			<i>For ASTM 120, Deduct</i>	-5.21	
			<i>For Work In Restricted Working Space, Add</i>	15.54	
22 11 16 00-0034	EA	3"	150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	125.40	45.47
			<i>For 300 LB Rating, Add</i>	198.67	
			<i>For ASTM 120, Deduct</i>	-8.58	
			<i>For Work In Restricted Working Space, Add</i>	20.45	
22 11 16 00-0035	EA	4"	150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	172.50	47.72
			<i>For 300 LB Rating, Add</i>	347.49	
			<i>For ASTM 120, Deduct</i>	-15.14	
			<i>For Work In Restricted Working Space, Add</i>	21.47	
22 11 16 00-0036	EA	5"	150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	510.58	49.80
			<i>For 300 LB Rating, Add</i>	1,486.57	
			<i>For ASTM 120, Deduct</i>	-65.39	
			<i>For Work In Restricted Working Space, Add</i>	22.40	
22 11 16 00-0037	EA	6"	150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	479.92	52.07
			<i>For 300 LB Rating, Add</i>	1,371.01	
			<i>For ASTM 120, Deduct</i>	-60.28	
			<i>For Work In Restricted Working Space, Add</i>	23.42	
22 11 16 00-0038			Galvanized Malleable Iron Reducing 90 Degree Elbows <small>(22 11 16 00-0013)</small>		
22 11 16 00-0039	EA	3/4" x 1/2"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	21.99	12.17
			<i>For ASTM 120, Deduct</i>	-0.55	
			<i>For Work In Restricted Working Space, Add</i>	5.49	
22 11 16 00-0040	EA	1" x 3/4"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	25.19	13.66
			<i>For ASTM 120, Deduct</i>	-0.71	
			<i>For Work In Restricted Working Space, Add</i>	6.14	
22 11 16 00-0041	EA	1" x 1/2"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	24.45	12.95
			<i>For ASTM 120, Deduct</i>	-0.75	
			<i>For Work In Restricted Working Space, Add</i>	5.83	
22 11 16 00-0042	EA	1-1/4" x 1"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	30.95	15.35
			<i>For ASTM 120, Deduct</i>	-1.19	
			<i>For Work In Restricted Working Space, Add</i>	6.90	
22 11 16 00-0043	EA	1-1/4" x 3/4"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	31.41	14.57
			<i>For ASTM 120, Deduct</i>	-1.43	
			<i>For Work In Restricted Working Space, Add</i>	6.56	
22 11 16 00-0044	EA	1-1/4" x 1/2"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	30.95	13.93
			<i>For ASTM 120, Deduct</i>	-1.52	
			<i>For Work In Restricted Working Space, Add</i>	6.26	
22 11 16 00-0045	EA	1-1/2" x 1-1/4"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	38.68	17.35
			<i>For ASTM 120, Deduct</i>	-1.90	
			<i>For Work In Restricted Working Space, Add</i>	7.80	
22 11 16 00-0046	EA	1-1/2" x 1"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	37.25	16.39
			<i>For ASTM 120, Deduct</i>	-1.90	
			<i>For Work In Restricted Working Space, Add</i>	7.37	
22 11 16 00-0047	EA	1-1/2" x 3/4"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	36.13	15.61
			<i>For ASTM 120, Deduct</i>	-1.90	
			<i>For Work In Restricted Working Space, Add</i>	7.04	
22 11 16 00-0048	EA	2" x 1-1/2"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	46.09	20.85
			<i>For ASTM 120, Deduct</i>	-2.22	
			<i>For Work In Restricted Working Space, Add</i>	9.38	
22 11 16 00-0049	EA	2" x 1-1/4"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	46.70	19.82
			<i>For ASTM 120, Deduct</i>	-2.55	
			<i>For Work In Restricted Working Space, Add</i>	8.92	
22 11 16 00-0050	EA	2" x 1"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	45.92	18.85
			<i>For ASTM 120, Deduct</i>	-2.64	
			<i>For Work In Restricted Working Space, Add</i>	8.49	
22 11 16 00-0051	EA	2" x 3/4"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	40.54	18.13
			<i>For ASTM 120, Deduct</i>	-2.01	
			<i>For Work In Restricted Working Space, Add</i>	8.15	
22 11 16 00-0052	EA	2-1/2" x 2"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	93.62	28.95
			<i>For ASTM 120, Deduct</i>	-7.53	
			<i>For Work In Restricted Working Space, Add</i>	13.02	
22 11 16 00-0053	EA	2-1/2" x 1-1/2"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	95.63	26.49
			<i>For ASTM 120, Deduct</i>	-8.39	
			<i>For Work In Restricted Working Space, Add</i>	11.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0054 EA 3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	151.25	40.02
For ASTM 120, Deduct	-13.69	
For Work In Restricted Working Space, Add	18.00	
22 11 16 00-0055 EA 3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	130.85	34.39
For ASTM 120, Deduct	-11.89	
For Work In Restricted Working Space, Add	15.48	
22 11 16 00-0056 EA 4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	274.57	45.39
For ASTM 120, Deduct	-30.98	
For Work In Restricted Working Space, Add	20.42	
22 11 16 00-0057 Galvanized Malleable Iron 45 Degree Elbow (22 11 16 00-0013)		
22 11 16 00-0058 EA 1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	20.00	11.53
For 300 LB Rating, Add	10.32	
For ASTM 120, Deduct	-0.41	
For Work In Restricted Working Space, Add	5.18	
22 11 16 00-0059 EA 3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	23.26	12.89
For 300 LB Rating, Add	14.52	
For ASTM 120, Deduct	-0.59	
For Work In Restricted Working Space, Add	5.80	
22 11 16 00-0060 EA 1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	26.02	14.38
For 300 LB Rating, Add	16.36	
For ASTM 120, Deduct	-0.66	
For Work In Restricted Working Space, Add	6.48	
22 11 16 00-0061 EA 1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	32.72	16.32
For 300 LB Rating, Add	29.62	
For ASTM 120, Deduct	-1.24	
For Work In Restricted Working Space, Add	7.33	
22 11 16 00-0062 EA 1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	37.29	18.39
For 300 LB Rating, Add	34.74	
For ASTM 120, Deduct	-1.46	
For Work In Restricted Working Space, Add	8.27	
22 11 16 00-0063 EA 2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	49.41	23.38
For 300 LB Rating, Add	51.06	
For ASTM 120, Deduct	-2.16	
For Work In Restricted Working Space, Add	10.50	
22 11 16 00-0064 EA 2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	101.89	34.59
For 300 LB Rating, Add	173.38	
For ASTM 120, Deduct	-7.51	
For Work In Restricted Working Space, Add	15.54	
22 11 16 00-0065 EA 3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	141.01	45.47
For 300 LB Rating, Add	251.75	
For ASTM 120, Deduct	-10.93	
For Work In Restricted Working Space, Add	20.45	
22 11 16 00-0066 EA 4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	193.68	47.72
For 300 LB Rating, Add	419.50	
For ASTM 120, Deduct	-18.32	
For Work In Restricted Working Space, Add	21.47	
22 11 16 00-0067 EA 5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	568.12	49.80
For 300 LB Rating, Add	1,682.21	
For ASTM 120, Deduct	-74.02	
For Work In Restricted Working Space, Add	22.40	
22 11 16 00-0068 EA 6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	673.05	52.07
For 300 LB Rating, Add	2,027.65	
For ASTM 120, Deduct	-89.25	
For Work In Restricted Working Space, Add	23.42	
22 11 16 00-0069 Galvanized Malleable Iron Tees (22 11 16 00-0013)		
22 11 16 00-0070 EA 1/2", 150 LB, Galvanized Malleable Iron Tee	23.83	14.38
For 300 LB Rating, Add	8.91	
For ASTM 120, Deduct	-0.34	
For Work In Restricted Working Space, Add	6.48	
22 11 16 00-0071 EA 3/4", 150 LB, Galvanized Malleable Iron Tee	28.60	16.65
For 300 LB Rating, Add	14.04	
For ASTM 120, Deduct	-0.55	
For Work In Restricted Working Space, Add	7.47	
22 11 16 00-0072 EA 1", 150 LB, Galvanized Malleable Iron Tee	35.40	19.62
For 300 LB Rating, Add	22.03	
For ASTM 120, Deduct	-0.89	
For Work In Restricted Working Space, Add	8.83	
22 11 16 00-0073 EA 1-1/4", 150 LB, Galvanized Malleable Iron Tee	44.47	23.38
For 300 LB Rating, Add	34.26	
For ASTM 120, Deduct	-1.42	
For Work In Restricted Working Space, Add	10.50	
22 11 16 00-0074 EA 1-1/2", 150 LB, Galvanized Malleable Iron Tee	53.54	27.85
For 300 LB Rating, Add	42.49	
For ASTM 120, Deduct	-1.76	
For Work In Restricted Working Space, Add	12.53	
22 11 16 00-0075 EA 2", 150 LB, Galvanized Malleable Iron Tee	70.92	34.59
For 300 LB Rating, Add	68.08	
For ASTM 120, Deduct	-2.87	
For Work In Restricted Working Space, Add	15.54	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0076	EA		2-1/2", 150 LB, Galvanized Malleable Iron Tee.....	110.12	37.56
			<i>For 300 LB Rating, Add</i>	186.30	
			<i>For ASTM 120, Deduct</i>	-8.07	
			<i>For Work In Restricted Working Space, Add</i>	16.90	
22 11 16 00-0077	EA		3", 150 LB, Galvanized Malleable Iron Tee.....	131.26	45.47
			<i>For 300 LB Rating, Add</i>	218.60	
			<i>For ASTM 120, Deduct</i>	-9.46	
			<i>For Work In Restricted Working Space, Add</i>	20.45	
22 11 16 00-0078	EA		4", 150 LB, Galvanized Malleable Iron Tee.....	239.65	60.29
			<i>For 300 LB Rating, Add</i>	512.91	
			<i>For ASTM 120, Deduct</i>	-22.39	
			<i>For Work In Restricted Working Space, Add</i>	27.12	
22 11 16 00-0079	EA		5", 150 LB, Galvanized Malleable Iron Tee.....	576.52	71.58
			<i>For 300 LB Rating, Add</i>	1,601.65	
			<i>For ASTM 120, Deduct</i>	-70.38	
			<i>For Work In Restricted Working Space, Add</i>	32.20	
22 11 16 00-0080	EA		6", 150 LB, Galvanized Malleable Iron Tee.....	654.83	81.83
			<i>For 300 LB Rating, Add</i>	1,816.70	
			<i>For ASTM 120, Deduct</i>	-79.82	
			<i>For Work In Restricted Working Space, Add</i>	36.80	
22 11 16 00-0081			Galvanized Malleable Iron Reducing Tee (22 11 16 00-0013)		
22 11 16 00-0082	EA		1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	26.79	14.38
			<i>For 300 LB Rating, Add</i>	18.98	
			<i>For ASTM 120, Deduct</i>	-0.78	
			<i>For Work In Restricted Working Space, Add</i>	6.48	
22 11 16 00-0083	EA		3/4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	30.03	16.65
			<i>For 300 LB Rating, Add</i>	18.90	
			<i>For ASTM 120, Deduct</i>	-0.77	
			<i>For Work In Restricted Working Space, Add</i>	7.47	
22 11 16 00-0084	EA		1", 150 LB, Galvanized Malleable Iron Reducing Tee.....	36.64	19.62
			<i>For 300 LB Rating, Add</i>	26.25	
			<i>For ASTM 120, Deduct</i>	-1.08	
			<i>For Work In Restricted Working Space, Add</i>	8.83	
22 11 16 00-0085	EA		1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	46.18	23.38
			<i>For 300 LB Rating, Add</i>	40.08	
			<i>For ASTM 120, Deduct</i>	-1.68	
			<i>For Work In Restricted Working Space, Add</i>	10.50	
22 11 16 00-0086	EA		1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	55.57	27.85
			<i>For 300 LB Rating, Add</i>	49.39	
			<i>For ASTM 120, Deduct</i>	-2.07	
			<i>For Work In Restricted Working Space, Add</i>	12.53	
22 11 16 00-0087	EA		2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	71.94	34.59
			<i>For 300 LB Rating, Add</i>	71.55	
			<i>For ASTM 120, Deduct</i>	-3.02	
			<i>For Work In Restricted Working Space, Add</i>	15.54	
22 11 16 00-0088	EA		2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	127.60	37.69
			<i>For 300 LB Rating, Add</i>	245.16	
			<i>For ASTM 120, Deduct</i>	-10.67	
			<i>For Work In Restricted Working Space, Add</i>	16.95	
22 11 16 00-0089	EA		3", 150 LB, Galvanized Malleable Iron Reducing Tee.....	161.48	46.18
			<i>For 300 LB Rating, Add</i>	317.74	
			<i>For ASTM 120, Deduct</i>	-13.83	
			<i>For Work In Restricted Working Space, Add</i>	20.78	
22 11 16 00-0090	EA		4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	357.74	60.29
			<i>For 300 LB Rating, Add</i>	914.41	
			<i>For ASTM 120, Deduct</i>	-40.10	
			<i>For Work In Restricted Working Space, Add</i>	27.12	
22 11 16 00-0091	EA		5", 150 LB, Galvanized Malleable Iron Reducing Tee.....	727.45	71.58
			<i>For 300 LB Rating, Add</i>	2,114.81	
			<i>For ASTM 120, Deduct</i>	-93.02	
			<i>For Work In Restricted Working Space, Add</i>	32.20	
22 11 16 00-0092	EA		6", 150 LB, Galvanized Malleable Iron Reducing Tee.....	826.02	81.83
			<i>For 300 LB Rating, Add</i>	2,398.75	
			<i>For ASTM 120, Deduct</i>	-105.50	
			<i>For Work In Restricted Working Space, Add</i>	36.80	
22 11 16 00-0093			Galvanized Malleable Iron Couplings (22 11 16 00-0013)		
22 11 16 00-0094	EA		1/2", 150 LB, Galvanized Malleable Iron Coupling.....	19.80	11.53
			<i>For 300 LB Rating, Add</i>	9.64	
			<i>For ASTM 120, Deduct</i>	-0.38	
			<i>For Work In Restricted Working Space, Add</i>	5.18	
22 11 16 00-0095	EA		3/4", 150 LB, Galvanized Malleable Iron Coupling.....	22.24	12.89
			<i>For 300 LB Rating, Add</i>	11.05	
			<i>For ASTM 120, Deduct</i>	-0.44	
			<i>For Work In Restricted Working Space, Add</i>	5.80	
22 11 16 00-0096	EA		1", 150 LB, Galvanized Malleable Iron Coupling.....	26.36	14.38
			<i>For 300 LB Rating, Add</i>	17.51	
			<i>For ASTM 120, Deduct</i>	-0.72	
			<i>For Work In Restricted Working Space, Add</i>	6.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0097 EA 1-1/4", 150 LB, Galvanized Malleable Iron Coupling.....	31.17	16.32
<i>For 300 LB Rating, Add</i>	24.35	
<i>For ASTM 120, Deduct</i>	-1.01	
<i>For Work In Restricted Working Space, Add</i>	7.33	
22 11 16 00-0098 EA 1-1/2", 150 LB, Galvanized Malleable Iron Coupling.....	35.21	18.39
<i>For 300 LB Rating, Add</i>	27.66	
<i>For ASTM 120, Deduct</i>	-1.15	
<i>For Work In Restricted Working Space, Add</i>	8.27	
22 11 16 00-0099 EA 2", 150 LB, Galvanized Malleable Iron Coupling.....	46.20	23.38
<i>For 300 LB Rating, Add</i>	40.15	
<i>For ASTM 120, Deduct</i>	-1.68	
<i>For Work In Restricted Working Space, Add</i>	10.50	
22 11 16 00-0100 EA 2-1/2", 150 LB, Galvanized Malleable Iron Coupling.....	86.06	34.59
<i>For 300 LB Rating, Add</i>	119.56	
<i>For ASTM 120, Deduct</i>	-5.14	
<i>For Work In Restricted Working Space, Add</i>	15.54	
22 11 16 00-0101 EA 3", 150 LB, Galvanized Malleable Iron Coupling.....	113.95	45.47
<i>For 300 LB Rating, Add</i>	159.74	
<i>For ASTM 120, Deduct</i>	-6.87	
<i>For Work In Restricted Working Space, Add</i>	20.45	
22 11 16 00-0102 EA 4", 150 LB, Galvanized Malleable Iron Coupling.....	168.78	47.72
<i>For 300 LB Rating, Add</i>	334.84	
<i>For ASTM 120, Deduct</i>	-14.58	
<i>For Work In Restricted Working Space, Add</i>	21.47	
22 11 16 00-0103 EA 5", 150 LB, Galvanized Malleable Iron Coupling.....	348.42	49.80
<i>For 300 LB Rating, Add</i>	935.23	
<i>For ASTM 120, Deduct</i>	-41.06	
<i>For Work In Restricted Working Space, Add</i>	22.40	
22 11 16 00-0104 EA 6", 150 LB, Galvanized Malleable Iron Coupling.....	389.94	52.07
<i>For 300 LB Rating, Add</i>	1,065.08	
<i>For ASTM 120, Deduct</i>	-46.78	
<i>For Work In Restricted Working Space, Add</i>	23.42	
22 11 16 00-0105 Galvanized Malleable Iron Reducing Couplings (22 11 16 00-0013)		
22 11 16 00-0106 EA 1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	20.34	11.53
<i>For 300 LB Rating, Add</i>	11.47	
<i>For ASTM 120, Deduct</i>	-0.46	
<i>For Work In Restricted Working Space, Add</i>	5.18	
22 11 16 00-0107 EA 3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	22.61	12.89
<i>For 300 LB Rating, Add</i>	12.31	
<i>For ASTM 120, Deduct</i>	-0.49	
<i>For Work In Restricted Working Space, Add</i>	5.80	
22 11 16 00-0108 EA 1", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	27.05	14.38
<i>For 300 LB Rating, Add</i>	19.86	
<i>For ASTM 120, Deduct</i>	-0.82	
<i>For Work In Restricted Working Space, Add</i>	6.48	
22 11 16 00-0109 EA 1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	31.51	16.32
<i>For 300 LB Rating, Add</i>	25.50	
<i>For ASTM 120, Deduct</i>	-1.06	
<i>For Work In Restricted Working Space, Add</i>	7.33	
22 11 16 00-0110 EA 1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	36.67	18.39
<i>For 300 LB Rating, Add</i>	32.63	
<i>For ASTM 120, Deduct</i>	-1.37	
<i>For Work In Restricted Working Space, Add</i>	8.27	
22 11 16 00-0111 EA 2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	47.44	23.38
<i>For 300 LB Rating, Add</i>	44.36	
<i>For ASTM 120, Deduct</i>	-1.86	
<i>For Work In Restricted Working Space, Add</i>	10.50	
22 11 16 00-0112 EA 2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	86.49	34.59
<i>For 300 LB Rating, Add</i>	121.02	
<i>For ASTM 120, Deduct</i>	-5.20	
<i>For Work In Restricted Working Space, Add</i>	15.54	
22 11 16 00-0113 EA 3", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	112.65	45.47
<i>For 300 LB Rating, Add</i>	155.32	
<i>For ASTM 120, Deduct</i>	-6.67	
<i>For Work In Restricted Working Space, Add</i>	20.45	
22 11 16 00-0114 EA 4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	171.28	47.72
<i>For 300 LB Rating, Add</i>	343.34	
<i>For ASTM 120, Deduct</i>	-14.96	
<i>For Work In Restricted Working Space, Add</i>	21.47	
22 11 16 00-0115 EA 5", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	362.83	49.80
<i>For 300 LB Rating, Add</i>	984.22	
<i>For ASTM 120, Deduct</i>	-43.22	
<i>For Work In Restricted Working Space, Add</i>	22.40	
22 11 16 00-0116 EA 6", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	406.35	52.07
<i>For 300 LB Rating, Add</i>	1,120.87	
<i>For ASTM 120, Deduct</i>	-49.24	
<i>For Work In Restricted Working Space, Add</i>	23.42	

22 11 16 00-0117 Galvanized Malleable Iron Caps (22 11 16 00-0013)

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0118	EA	1/2"	150 LB, Galvanized Malleable Iron Cap	10.01	5.37
			<i>For 300 LB Rating, Add</i>	6.98	
			<i>For ASTM 120, Deduct</i>	-0.29	
			<i>For Work In Restricted Working Space, Add</i>	2.43	
22 11 16 00-0119	EA	3/4"	150 LB, Galvanized Malleable Iron Cap	11.28	5.77
			<i>For 300 LB Rating, Add</i>	9.53	
			<i>For ASTM 120, Deduct</i>	-0.40	
			<i>For Work In Restricted Working Space, Add</i>	2.59	
22 11 16 00-0120	EA	1"	150 LB, Galvanized Malleable Iron Cap	13.24	6.68
			<i>For 300 LB Rating, Add</i>	11.75	
			<i>For ASTM 120, Deduct</i>	-0.49	
			<i>For Work In Restricted Working Space, Add</i>	2.99	
22 11 16 00-0121	EA	1-1/4"	150 LB, Galvanized Malleable Iron Cap	14.77	7.00
			<i>For 300 LB Rating, Add</i>	15.32	
			<i>For ASTM 120, Deduct</i>	-0.65	
			<i>For Work In Restricted Working Space, Add</i>	3.14	
22 11 16 00-0122	EA	1-1/2"	150 LB, Galvanized Malleable Iron Cap	15.99	7.00
			<i>For 300 LB Rating, Add</i>	19.46	
			<i>For ASTM 120, Deduct</i>	-0.83	
			<i>For Work In Restricted Working Space, Add</i>	3.14	
22 11 16 00-0123	EA	2"	150 LB, Galvanized Malleable Iron Cap	21.68	9.26
			<i>For 300 LB Rating, Add</i>	27.19	
			<i>For ASTM 120, Deduct</i>	-1.16	
			<i>For Work In Restricted Working Space, Add</i>	4.18	
22 11 16 00-0124	EA	2-1/2"	150 LB, Galvanized Malleable Iron Cap	39.79	11.53
			<i>For 300 LB Rating, Add</i>	77.60	
			<i>For ASTM 120, Deduct</i>	-3.38	
			<i>For Work In Restricted Working Space, Add</i>	5.18	
22 11 16 00-0125	EA	3"	150 LB, Galvanized Malleable Iron Cap	48.18	13.93
			<i>For 300 LB Rating, Add</i>	94.04	
			<i>For ASTM 120, Deduct</i>	-4.09	
			<i>For Work In Restricted Working Space, Add</i>	6.27	
22 11 16 00-0126	EA	4"	150 LB, Galvanized Malleable Iron Cap	84.83	16.38
			<i>For 300 LB Rating, Add</i>	206.49	
			<i>For ASTM 120, Deduct</i>	-9.05	
			<i>For Work In Restricted Working Space, Add</i>	7.36	
22 11 16 00-0127	EA	5"	150 LB, Galvanized Malleable Iron Cap	192.45	20.48
			<i>For 300 LB Rating, Add</i>	551.89	
			<i>For ASTM 120, Deduct</i>	-24.27	
			<i>For Work In Restricted Working Space, Add</i>	9.20	
22 11 16 00-0128	EA	6"	150 LB, Galvanized Malleable Iron Cap	240.99	24.35
			<i>For 300 LB Rating, Add</i>	697.32	
			<i>For ASTM 120, Deduct</i>	-30.67	
			<i>For Work In Restricted Working Space, Add</i>	10.96	
22 11 16 00-0129			Galvanized Malleable Iron Unions (22 11 16 00-0013)		
22 11 16 00-0130	EA	1/2"	150 LB, Galvanized Malleable Iron Union	29.06	14.38
			<i>For Work In Restricted Working Space, Add</i>	6.48	
22 11 16 00-0131	EA	3/4"	150 LB, Galvanized Malleable Iron Union	33.50	16.65
			<i>For Work In Restricted Working Space, Add</i>	7.47	
22 11 16 00-0132	EA	1"	150 LB, Galvanized Malleable Iron Union	40.69	19.62
			<i>For Work In Restricted Working Space, Add</i>	8.83	
22 11 16 00-0133	EA	1-1/4"	150 LB, Galvanized Malleable Iron Union	51.27	23.38
			<i>For Work In Restricted Working Space, Add</i>	10.50	
22 11 16 00-0134	EA	1-1/2"	150 LB, Galvanized Malleable Iron Union	61.48	27.85
			<i>For Work In Restricted Working Space, Add</i>	12.53	
22 11 16 00-0135	EA	2"	150 LB, Galvanized Malleable Iron Union	74.46	34.59
			<i>For Work In Restricted Working Space, Add</i>	15.54	
22 11 16 00-0136	EA	2-1/2"	150 LB, Galvanized Malleable Iron Union	155.17	50.97
			<i>For Work In Restricted Working Space, Add</i>	22.95	
22 11 16 00-0137	EA	3"	150 LB, Galvanized Malleable Iron Union	210.76	67.03
			<i>For Work In Restricted Working Space, Add</i>	30.19	
22 11 16 00-0138	EA	1/2"	250 LB, Galvanized Malleable Iron Union	36.79	14.38
			<i>For Work In Restricted Working Space, Add</i>	6.48	
22 11 16 00-0139	EA	3/4"	250 LB, Galvanized Malleable Iron Union	38.72	16.65
			<i>For Work In Restricted Working Space, Add</i>	7.47	
22 11 16 00-0140	EA	1"	250 LB, Galvanized Malleable Iron Union	46.56	19.62
			<i>For Work In Restricted Working Space, Add</i>	8.83	
22 11 16 00-0141	EA	1-1/4"	250 LB, Galvanized Malleable Iron Union	60.93	23.38
			<i>For Work In Restricted Working Space, Add</i>	10.50	
22 11 16 00-0142	EA	1-1/2"	250 LB, Galvanized Malleable Iron Union	71.64	27.85
			<i>For Work In Restricted Working Space, Add</i>	12.54	
22 11 16 00-0143	EA	2"	250 LB, Galvanized Malleable Iron Union	93.96	34.59
			<i>For Work In Restricted Working Space, Add</i>	15.54	
22 11 16 00-0144	EA	2-1/2"	250 LB, Galvanized Malleable Iron Union	187.37	50.97
			<i>For Work In Restricted Working Space, Add</i>	22.95	
22 11 16 00-0145	EA	3"	250 LB, Galvanized Malleable Iron Union	270.77	67.03
			<i>For Work In Restricted Working Space, Add</i>	30.19	
22 11 16 00-0146	EA	4"	250 LB, Galvanized Malleable Iron Union	372.50	70.42
			<i>For Work In Restricted Working Space, Add</i>	31.69	
22 11 16 00-0147	EA	1/2"	300 LB, Galvanized Malleable Iron Union	38.91	14.38
			<i>For Work In Restricted Working Space, Add</i>	6.48	
22 11 16 00-0148	EA	3/4"	300 LB, Galvanized Malleable Iron Union	43.69	16.65
			<i>For Work In Restricted Working Space, Add</i>	7.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0149 EA 1", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	54.35 8.83	19.62
22 11 16 00-0150 EA 1-1/4", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	69.74 10.50	23.38
22 11 16 00-0151 EA 1-1/2", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	83.62 12.54	27.85
22 11 16 00-0152 EA 2", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	102.01 15.54	34.59
22 11 16 00-0153 EA 2-1/2", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	216.53 22.95	50.97
22 11 16 00-0154 EA 3", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	337.48 30.19	67.03
22 11 16 00-0155 EA 4", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	699.63 31.69	70.42
 22 11 16 00-0156 Galvanized Steel Nipples <small>(22 11 16 00-0013)</small> Note: ASTM A-53.		
22 11 16 00-0157 EA 3/8" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	10.02 0.88 -0.12 2.78	6.15
22 11 16 00-0158 EA 1/2" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	9.87 0.71 -0.09 2.78	6.15
22 11 16 00-0159 EA 3/4" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	10.00 0.86 -0.11 2.78	6.15
22 11 16 00-0160 EA 1" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.00 1.19 -0.16 2.99	6.68
22 11 16 00-0161 EA 1-1/4" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.18 1.58 -0.21 3.24	7.19
22 11 16 00-0162 EA 1-1/2" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.42 1.86 -0.24 3.24	7.19
22 11 16 00-0163 EA 2" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.23 2.62 -0.35 4.18	9.26
22 11 16 00-0164 EA 2-1/2" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.11 7.80 -1.03 5.18	11.53
22 11 16 00-0165 EA 3" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	29.09 9.35 -1.23 6.27	13.93
22 11 16 00-0166 EA 4" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	36.82 14.01 -1.84 7.36	16.38
22 11 16 00-0167 EA 3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	10.13 1.00 -0.13 2.78	6.15
22 11 16 00-0168 EA 1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	9.90 0.74 -0.10 2.78	6.15
22 11 16 00-0169 EA 3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	10.07 0.93 -0.12 2.78	6.15
22 11 16 00-0170 EA 3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	10.13 1.00 -0.13 2.78	6.15
22 11 16 00-0171 EA 1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	9.90 0.74 -0.10 2.78	6.15
22 11 16 00-0172 EA 3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	10.07 0.93 -0.12 2.78	6.15
22 11 16 00-0173 EA 1" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.18 1.39 -0.18 2.99	6.68

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0174	EA		1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	12.28	7.19
			<i>For Schedule 80 Nipples, Add</i>	1.70	
			<i>For ASTM 120, Deduct</i>	-0.22	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
22 11 16 00-0175	EA		1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	12.54	7.19
			<i>For Schedule 80 Nipples, Add</i>	2.00	
			<i>For ASTM 120, Deduct</i>	-0.26	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
22 11 16 00-0176	EA		3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	10.43	6.15
			<i>For Schedule 80 Nipples, Add</i>	1.35	
			<i>For ASTM 120, Deduct</i>	-0.18	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
22 11 16 00-0177	EA		1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	10.02	6.15
			<i>For Schedule 80 Nipples, Add</i>	0.88	
			<i>For ASTM 120, Deduct</i>	-0.12	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
22 11 16 00-0178	EA		3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	10.16	6.15
			<i>For Schedule 80 Nipples, Add</i>	1.04	
			<i>For ASTM 120, Deduct</i>	-0.14	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
22 11 16 00-0179	EA		1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.28	6.68
			<i>For Schedule 80 Nipples, Add</i>	1.50	
			<i>For ASTM 120, Deduct</i>	-0.20	
			<i>For Work In Restricted Working Space, Add</i>	2.99	
22 11 16 00-0180	EA		1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.43	7.19
			<i>For Schedule 80 Nipples, Add</i>	1.87	
			<i>For ASTM 120, Deduct</i>	-0.25	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
22 11 16 00-0181	EA		1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.74	7.19
			<i>For Schedule 80 Nipples, Add</i>	2.22	
			<i>For ASTM 120, Deduct</i>	-0.29	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
22 11 16 00-0182	EA		2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	16.52	9.26
			<i>For Schedule 80 Nipples, Add</i>	2.95	
			<i>For ASTM 120, Deduct</i>	-0.39	
			<i>For Work In Restricted Working Space, Add</i>	4.18	
22 11 16 00-0183	EA		3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	10.43	6.15
			<i>For Schedule 80 Nipples, Add</i>	1.35	
			<i>For ASTM 120, Deduct</i>	-0.18	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
22 11 16 00-0184	EA		1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	10.02	6.15
			<i>For Schedule 80 Nipples, Add</i>	0.88	
			<i>For ASTM 120, Deduct</i>	-0.12	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
22 11 16 00-0185	EA		3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	10.16	6.15
			<i>For Schedule 80 Nipples, Add</i>	1.04	
			<i>For ASTM 120, Deduct</i>	-0.14	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
22 11 16 00-0186	EA		1" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	11.28	6.68
			<i>For Schedule 80 Nipples, Add</i>	1.50	
			<i>For ASTM 120, Deduct</i>	-0.20	
			<i>For Work In Restricted Working Space, Add</i>	2.99	
22 11 16 00-0187	EA		1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	12.43	7.19
			<i>For Schedule 80 Nipples, Add</i>	1.87	
			<i>For ASTM 120, Deduct</i>	-0.25	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
22 11 16 00-0188	EA		1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	12.74	7.19
			<i>For Schedule 80 Nipples, Add</i>	2.22	
			<i>For ASTM 120, Deduct</i>	-0.29	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
22 11 16 00-0189	EA		2" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	16.52	9.26
			<i>For Schedule 80 Nipples, Add</i>	2.95	
			<i>For ASTM 120, Deduct</i>	-0.39	
			<i>For Work In Restricted Working Space, Add</i>	4.18	
22 11 16 00-0190	EA		2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	24.37	11.53
			<i>For Schedule 80 Nipples, Add</i>	8.09	
			<i>For ASTM 120, Deduct</i>	-1.07	
			<i>For Work In Restricted Working Space, Add</i>	5.18	
22 11 16 00-0191	EA		3" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	30.22	13.93
			<i>For Schedule 80 Nipples, Add</i>	10.64	
			<i>For ASTM 120, Deduct</i>	-1.40	
			<i>For Work In Restricted Working Space, Add</i>	6.27	
22 11 16 00-0192	EA		3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	10.65	6.15
			<i>For Schedule 80 Nipples, Add</i>	1.60	
			<i>For ASTM 120, Deduct</i>	-0.21	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
22 11 16 00-0193	EA		1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	10.20	6.15
			<i>For Schedule 80 Nipples, Add</i>	1.08	
			<i>For ASTM 120, Deduct</i>	-0.14	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
22 11 16 00-0194	EA		3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	10.43	6.15
			<i>For Schedule 80 Nipples, Add</i>	1.35	
			<i>For ASTM 120, Deduct</i>	-0.18	
			<i>For Work In Restricted Working Space, Add</i>	2.78	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0195	EA		1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.55 1.81 -0.24 2.99	6.68
22 11 16 00-0196	EA		1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.74 2.22 -0.29 3.24	7.19
22 11 16 00-0197	EA		1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	13.26 2.82 -0.37 3.24	7.19
22 11 16 00-0198	EA		2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.07 3.58 -0.47 4.18	9.26
22 11 16 00-0199	EA		2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.51 9.39 -1.24 5.18	11.53
22 11 16 00-0200	EA		3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	31.83 12.47 -1.64 6.27	13.93
22 11 16 00-0201	EA		3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	10.65 1.60 -0.21 2.78	6.15
22 11 16 00-0202	EA		1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	10.20 1.08 -0.14 2.78	6.15
22 11 16 00-0203	EA		3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	10.65 1.60 -0.21 2.78	6.15
22 11 16 00-0204	EA		1" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.55 1.81 -0.24 2.99	6.68
22 11 16 00-0205	EA		1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.74 2.22 -0.29 3.24	7.19
22 11 16 00-0206	EA		1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	13.26 2.82 -0.37 3.24	7.19
22 11 16 00-0207	EA		2" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.10 3.61 -0.48 4.18	9.26
22 11 16 00-0208	EA		2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.51 9.39 -1.24 5.18	11.53
22 11 16 00-0209	EA		3" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	31.83 12.47 -1.64 6.27	13.93
22 11 16 00-0210	EA		4" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	39.22 16.75 -2.20 7.36	16.38
22 11 16 00-0211	EA		3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.17 2.19 -0.29 2.78	6.15
22 11 16 00-0212	EA		1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	10.39 1.30 -0.17 2.78	6.15
22 11 16 00-0213	EA		3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	10.65 1.60 -0.21 2.78	6.15
22 11 16 00-0214	EA		1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.91 2.22 -0.29 2.99	6.68
22 11 16 00-0215	EA		1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	13.20 2.75 -0.36 3.24	7.19

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0216	EA		1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.77	7.19
			<i>For Schedule 80 Nipples, Add</i>	3.40	
			<i>For ASTM 120, Deduct</i>	-0.45	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
22 11 16 00-0217	EA		2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	17.94	9.26
			<i>For Schedule 80 Nipples, Add</i>	4.57	
			<i>For ASTM 120, Deduct</i>	-0.60	
			<i>For Work In Restricted Working Space, Add</i>	4.18	
22 11 16 00-0218	EA		2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	26.46	11.53
			<i>For Schedule 80 Nipples, Add</i>	10.48	
			<i>For ASTM 120, Deduct</i>	-1.38	
			<i>For Work In Restricted Working Space, Add</i>	5.18	
22 11 16 00-0219	EA		3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	33.64	13.93
			<i>For Schedule 80 Nipples, Add</i>	14.54	
			<i>For ASTM 120, Deduct</i>	-1.91	
			<i>For Work In Restricted Working Space, Add</i>	6.27	
22 11 16 00-0220	EA		4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	41.00	16.38
			<i>For Schedule 80 Nipples, Add</i>	18.78	
			<i>For ASTM 120, Deduct</i>	-2.47	
			<i>For Work In Restricted Working Space, Add</i>	7.36	
22 11 16 00-0221	EA		3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	11.17	6.15
			<i>For Schedule 80 Nipples, Add</i>	2.19	
			<i>For ASTM 120, Deduct</i>	-0.29	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
22 11 16 00-0222	EA		1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	10.39	6.15
			<i>For Schedule 80 Nipples, Add</i>	1.30	
			<i>For ASTM 120, Deduct</i>	-0.17	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
22 11 16 00-0223	EA		3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	10.65	6.15
			<i>For Schedule 80 Nipples, Add</i>	1.60	
			<i>For ASTM 120, Deduct</i>	-0.21	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
22 11 16 00-0224	EA		1" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	11.91	6.68
			<i>For Schedule 80 Nipples, Add</i>	2.22	
			<i>For ASTM 120, Deduct</i>	-0.29	
			<i>For Work In Restricted Working Space, Add</i>	2.99	
22 11 16 00-0225	EA		1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	13.20	7.19
			<i>For Schedule 80 Nipples, Add</i>	2.75	
			<i>For ASTM 120, Deduct</i>	-0.36	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
22 11 16 00-0226	EA		1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	13.77	7.19
			<i>For Schedule 80 Nipples, Add</i>	3.40	
			<i>For ASTM 120, Deduct</i>	-0.45	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
22 11 16 00-0227	EA		2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	17.94	9.26
			<i>For Schedule 80 Nipples, Add</i>	4.57	
			<i>For ASTM 120, Deduct</i>	-0.60	
			<i>For Work In Restricted Working Space, Add</i>	4.18	
22 11 16 00-0228	EA		2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	26.46	11.53
			<i>For Schedule 80 Nipples, Add</i>	10.48	
			<i>For ASTM 120, Deduct</i>	-1.38	
			<i>For Work In Restricted Working Space, Add</i>	5.18	
22 11 16 00-0229	EA		3" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	33.64	13.93
			<i>For Schedule 80 Nipples, Add</i>	14.54	
			<i>For ASTM 120, Deduct</i>	-1.91	
			<i>For Work In Restricted Working Space, Add</i>	6.27	
22 11 16 00-0230	EA		4" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	41.00	16.38
			<i>For Schedule 80 Nipples, Add</i>	18.78	
			<i>For ASTM 120, Deduct</i>	-2.47	
			<i>For Work In Restricted Working Space, Add</i>	7.36	
22 11 16 00-0231	EA		3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	11.39	6.15
			<i>For Schedule 80 Nipples, Add</i>	2.44	
			<i>For ASTM 120, Deduct</i>	-0.32	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
22 11 16 00-0232	EA		1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	10.55	6.15
			<i>For Schedule 80 Nipples, Add</i>	1.48	
			<i>For ASTM 120, Deduct</i>	-0.20	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
22 11 16 00-0233	EA		3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	10.93	6.15
			<i>For Schedule 80 Nipples, Add</i>	1.92	
			<i>For ASTM 120, Deduct</i>	-0.25	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
22 11 16 00-0234	EA		1" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	12.17	6.68
			<i>For Schedule 80 Nipples, Add</i>	2.52	
			<i>For ASTM 120, Deduct</i>	-0.33	
			<i>For Work In Restricted Working Space, Add</i>	2.99	
22 11 16 00-0235	EA		1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	13.59	7.19
			<i>For Schedule 80 Nipples, Add</i>	3.19	
			<i>For ASTM 120, Deduct</i>	-0.42	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
22 11 16 00-0236	EA		1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	14.14	7.19
			<i>For Schedule 80 Nipples, Add</i>	3.82	
			<i>For ASTM 120, Deduct</i>	-0.50	
			<i>For Work In Restricted Working Space, Add</i>	3.24	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0237	EA			2" x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.59 5.31 -0.70 4.18	9.26
22 11 16 00-0238	EA			2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	27.37 11.51 -1.52 5.18	11.53
22 11 16 00-0239	EA			3" x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	34.38 15.38 -2.02 6.27	13.93
22 11 16 00-0240	EA			4" x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	42.74 20.76 -2.73 7.36	16.38
22 11 16 00-0241	EA			3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.79 9.74 -1.28 2.78	6.15
22 11 16 00-0242	EA			1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.53 2.60 -0.34 2.78	6.15
22 11 16 00-0243	EA			3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.17 3.33 -0.44 2.78	6.15
22 11 16 00-0244	EA			1" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	13.66 4.22 -0.56 2.99	6.68
22 11 16 00-0245	EA			1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.33 5.18 -0.68 3.24	7.19
22 11 16 00-0246	EA			1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.99 5.93 -0.78 3.24	7.19
22 11 16 00-0247	EA			2" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	21.52 8.65 -1.14 4.18	9.26
22 11 16 00-0248	EA			2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	30.27 14.82 -1.95 5.18	11.53
22 11 16 00-0249	EA			3" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	39.06 20.71 -2.73 6.27	13.93
22 11 16 00-0250	EA			4" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	46.26 24.77 -3.26 7.36	16.38
22 11 16 00-0251	EA			3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	13.33 4.65 -0.61 2.78	6.15
22 11 16 00-0252	EA			1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.96 3.09 -0.41 2.78	6.15
22 11 16 00-0253	EA			3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.49 3.69 -0.49 2.78	6.15
22 11 16 00-0254	EA			1" x 10" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.19 4.82 -0.63 2.99	6.68
22 11 16 00-0255	EA			1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.21 6.18 -0.81 3.24	7.19
22 11 16 00-0256	EA			1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.86 6.92 -0.91 3.24	7.19
22 11 16 00-0257	EA			2" x 10" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.81 10.12 -1.33 4.18	9.26

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0258	EA		2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	32.09	11.53
			<i>For Schedule 80 Nipples, Add</i>	16.89	
			<i>For ASTM 120, Deduct</i>	-2.22	
			<i>For Work In Restricted Working Space, Add</i>	5.18	
22 11 16 00-0259	EA		3" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	41.62	13.93
			<i>For Schedule 80 Nipples, Add</i>	23.63	
			<i>For ASTM 120, Deduct</i>	-3.11	
			<i>For Work In Restricted Working Space, Add</i>	6.27	
22 11 16 00-0260	EA		4" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	49.72	16.38
			<i>For Schedule 80 Nipples, Add</i>	28.72	
			<i>For ASTM 120, Deduct</i>	-3.78	
			<i>For Work In Restricted Working Space, Add</i>	7.36	
22 11 16 00-0261	EA		3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	13.77	6.15
			<i>For Schedule 80 Nipples, Add</i>	5.15	
			<i>For ASTM 120, Deduct</i>	-0.68	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
22 11 16 00-0262	EA		1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	12.34	6.15
			<i>For Schedule 80 Nipples, Add</i>	3.52	
			<i>For ASTM 120, Deduct</i>	-0.46	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
22 11 16 00-0263	EA		3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	12.88	6.15
			<i>For Schedule 80 Nipples, Add</i>	4.14	
			<i>For ASTM 120, Deduct</i>	-0.54	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
22 11 16 00-0264	EA		1" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	14.88	6.68
			<i>For Schedule 80 Nipples, Add</i>	5.61	
			<i>For ASTM 120, Deduct</i>	-0.74	
			<i>For Work In Restricted Working Space, Add</i>	2.99	
22 11 16 00-0265	EA		1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	17.30	7.19
			<i>For Schedule 80 Nipples, Add</i>	7.42	
			<i>For ASTM 120, Deduct</i>	-0.98	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
22 11 16 00-0266	EA		1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	17.73	7.19
			<i>For Schedule 80 Nipples, Add</i>	7.91	
			<i>For ASTM 120, Deduct</i>	-1.04	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
22 11 16 00-0267	EA		2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	24.12	9.26
			<i>For Schedule 80 Nipples, Add</i>	11.62	
			<i>For ASTM 120, Deduct</i>	-1.53	
			<i>For Work In Restricted Working Space, Add</i>	4.18	
22 11 16 00-0268	EA		2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	33.85	11.53
			<i>For Schedule 80 Nipples, Add</i>	18.90	
			<i>For ASTM 120, Deduct</i>	-2.49	
			<i>For Work In Restricted Working Space, Add</i>	5.18	
22 11 16 00-0269	EA		3" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	44.20	13.93
			<i>For Schedule 80 Nipples, Add</i>	26.57	
			<i>For ASTM 120, Deduct</i>	-3.50	
			<i>For Work In Restricted Working Space, Add</i>	6.27	
22 11 16 00-0270	EA		4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	53.20	16.38
			<i>For Schedule 80 Nipples, Add</i>	32.68	
			<i>For ASTM 120, Deduct</i>	-4.30	
			<i>For Work In Restricted Working Space, Add</i>	7.36	
22 11 16 00-0271			Galvanized Malleable Iron Square Head Plugs (22 11 16 00-0013)		
22 11 16 00-0272	EA		1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	9.99	4.60
			<i>For 300 LB Rating, Add</i>	10.89	
			<i>For Work In Restricted Working Space, Add</i>	2.07	
22 11 16 00-0273	EA		3/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	10.81	5.18
			<i>For 300 LB Rating, Add</i>	10.94	
			<i>For Work In Restricted Working Space, Add</i>	2.32	
22 11 16 00-0274	EA		1", 150 LB, Galvanized Malleable Iron Square Head Plug.....	12.01	5.77
			<i>For 300 LB Rating, Add</i>	12.01	
			<i>For Work In Restricted Working Space, Add</i>	2.59	
22 11 16 00-0275	EA		1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	14.97	6.54
			<i>For 300 LB Rating, Add</i>	18.27	
			<i>For Work In Restricted Working Space, Add</i>	2.93	
22 11 16 00-0276	EA		1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	18.02	7.32
			<i>For 300 LB Rating, Add</i>	24.46	
			<i>For Work In Restricted Working Space, Add</i>	3.31	
22 11 16 00-0277	EA		2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	22.91	9.33
			<i>For 300 LB Rating, Add</i>	31.10	
			<i>For Work In Restricted Working Space, Add</i>	4.20	
22 11 16 00-0278	EA		2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	38.08	13.80
			<i>For 300 LB Rating, Add</i>	60.27	
			<i>For Work In Restricted Working Space, Add</i>	6.22	
22 11 16 00-0279	EA		3", 150 LB, Galvanized Malleable Iron Square Head Plug.....	51.89	18.20
			<i>For 300 LB Rating, Add</i>	85.34	
			<i>For Work In Restricted Working Space, Add</i>	8.18	
22 11 16 00-0280	EA		4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	79.74	19.07
			<i>For 300 LB Rating, Add</i>	175.53	
			<i>For Work In Restricted Working Space, Add</i>	8.59	
22 11 16 00-0281	EA		5", 150 LB, Galvanized Malleable Iron Square Head Plug.....	123.66	19.94
			<i>For 300 LB Rating, Add</i>	320.68	
			<i>For Work In Restricted Working Space, Add</i>	8.96	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0282	EA		6", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	132.63 346.63 9.37	20.80
22 11 16 00-0283				Galvanized Malleable Iron Bushing <small>(22 11 16 00-0013)</small>		
	22 11 16 00-0284	EA		3/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	22.48 5.49	12.17
	22 11 16 00-0285	EA		1" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	24.43 5.83	12.95
	22 11 16 00-0286	EA		1" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	25.19 6.14	13.66
	22 11 16 00-0287	EA		1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	27.85 6.26	13.93
	22 11 16 00-0288	EA		1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	28.24 6.56	14.57
	22 11 16 00-0289	EA		1-1/4" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	29.37 6.90	15.35
	22 11 16 00-0290	EA		1-1/2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	31.67 6.73	14.96
	22 11 16 00-0291	EA		1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	32.70 7.04	15.61
	22 11 16 00-0292	EA		1-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	32.91 7.37	16.39
	22 11 16 00-0293	EA		1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	33.70 7.80	17.35
	22 11 16 00-0294	EA		2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	37.69 7.84	17.43
	22 11 16 00-0295	EA		2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	37.92 8.15	18.13
	22 11 16 00-0296	EA		2" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	38.46 8.49	18.85
	22 11 16 00-0297	EA		2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	39.88 8.92	19.82
	22 11 16 00-0298	EA		2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	40.19 9.38	20.85
	22 11 16 00-0299	EA		2-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	52.29 10.67	23.71
	22 11 16 00-0300	EA		2-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	53.42 11.01	24.48
	22 11 16 00-0301	EA		2-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	54.84 11.44	25.39
	22 11 16 00-0302	EA		2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	56.09 11.91	26.49
	22 11 16 00-0303	EA		2-1/2" x 2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	57.94 13.02	28.95
	22 11 16 00-0304	EA		3" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	65.82 13.13	29.14
	22 11 16 00-0305	EA		3" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	66.94 13.46	29.92
	22 11 16 00-0306	EA		3" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	68.37 13.89	30.89
	22 11 16 00-0307	EA		3" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	69.50 14.36	31.93
	22 11 16 00-0308	EA		3" x 2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	71.20 15.48	34.39
	22 11 16 00-0309	EA		3" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	80.74 18.00	40.02
	22 11 16 00-0310	EA		4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	91.18 13.48	29.93
	22 11 16 00-0311	EA		4" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	92.25 13.80	30.67
	22 11 16 00-0312	EA		4" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	93.59 14.21	31.59
	22 11 16 00-0313	EA		4" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	95.07 14.65	32.57
	22 11 16 00-0314	EA		4" x 2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	93.15 15.71	34.90
	22 11 16 00-0315	EA		4" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	106.55 18.09	40.23
	22 11 16 00-0316	EA		4" x 3", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	111.25 20.42	45.39
22 11 16 00-0317				Galvanized Malleable Iron Floor Flange <small>(22 11 16 00-0013)</small>		
	22 11 16 00-0318	EA		1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	41.85	23.67
	22 11 16 00-0319	EA		3/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	45.71	25.91
	22 11 16 00-0320	EA		1", 150 LB, Galvanized Malleable Iron Floor Flange.....	52.82	29.27
	22 11 16 00-0321	EA		1-1/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	54.98	30.31
	22 11 16 00-0322	EA		1-1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	59.83	32.97
	22 11 16 00-0323	EA		2", 150 LB, Galvanized Malleable Iron Floor Flange.....	65.15	34.39



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0324			Galvanized Cast Iron Flanges (22 11 16 00-0013)		
22 11 16 00-0325	EA		3/4", 125 LB, Galvanized Cast Iron Flange.....	92.34	25.91
			<i>For Work In Restricted Working Space, Add</i>	11.66	
22 11 16 00-0326	EA		1", 125 LB, Galvanized Cast Iron Flange.....	85.33	29.27
			<i>For Work In Restricted Working Space, Add</i>	13.17	
22 11 16 00-0327	EA		1-1/4", 125 LB, Galvanized Cast Iron Flange.....	67.33	30.31
			<i>For Work In Restricted Working Space, Add</i>	13.63	
22 11 16 00-0328	EA		1-1/2", 125 LB, Galvanized Cast Iron Flange.....	98.09	32.97
			<i>For Work In Restricted Working Space, Add</i>	14.83	
22 11 16 00-0329	EA		2", 125 LB, Galvanized Cast Iron Flange.....	94.38	34.39
			<i>For Work In Restricted Working Space, Add</i>	15.48	
22 11 16 00-0330	EA		2-1/2", 125 LB, Galvanized Cast Iron Flange.....	109.72	39.83
			<i>For Work In Restricted Working Space, Add</i>	17.90	
22 11 16 00-0331	EA		3", 125 LB, Galvanized Cast Iron Flange.....	210.88	50.51
			<i>For Work In Restricted Working Space, Add</i>	22.72	
22 11 16 00-0332	EA		4", 125 LB, Galvanized Cast Iron Flange.....	180.94	65.44
			<i>For Work In Restricted Working Space, Add</i>	29.43	
22 11 16 00-0333	EA		5", 125 LB, Galvanized Cast Iron Flange.....	246.84	77.90
			<i>For Work In Restricted Working Space, Add</i>	35.04	
22 11 16 00-0334	EA		6", 125 LB, Galvanized Cast Iron Flange.....	273.16	89.49
			<i>For Work In Restricted Working Space, Add</i>	40.25	
22 11 16 00-0335			Cut And Thread Existing In-Place Galvanized Steel Pipe (22 11 16 00-0013)		
			Note: For use when connecting pipe to an existing in-place system.		
22 11 16 00-0336	EA		1/2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	21.10	
			<i>For Work In Restricted Working Space, Add</i>	6.33	
22 11 16 00-0337	EA		3/4", Cut And Thread Existing In Place Galvanized Steel Pipe.....	23.21	
			<i>For Work In Restricted Working Space, Add</i>	6.96	
22 11 16 00-0338	EA		1", Cut And Thread Existing In Place Galvanized Steel Pipe.....	25.33	
			<i>For Work In Restricted Working Space, Add</i>	7.60	
22 11 16 00-0339	EA		1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe.....	27.43	
			<i>For Work In Restricted Working Space, Add</i>	8.23	
22 11 16 00-0340	EA		1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	28.84	
			<i>For Work In Restricted Working Space, Add</i>	8.65	
22 11 16 00-0341	EA		2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	30.25	
			<i>For Work In Restricted Working Space, Add</i>	9.08	
22 11 16 00-0342	EA		2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	31.66	
			<i>For Work In Restricted Working Space, Add</i>	9.50	
22 11 16 00-0343	EA		3", Cut And Thread Existing In Place Galvanized Steel Pipe.....	33.07	
			<i>For Work In Restricted Working Space, Add</i>	9.92	
22 11 16 00-0344	EA		4", Cut And Thread Existing In Place Galvanized Steel Pipe.....	34.47	
			<i>For Work In Restricted Working Space, Add</i>	10.34	
22 11 16 00-0345			Copper Pipe And Fittings (22 11 16)		
			Note: Excludes hangers. See CSI section 22 11 16 00-0870 for pipe with fittings assembly.		
22 11 16 00-0346			Copper Tube/Pipe (22 11 16 00-0345)		
			Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
22 11 16 00-0347			Hard Drawn Type L Copper Tube/Pipe (22 11 16 00-0346)		
22 11 16 00-0348	LF		1/4" Hard Drawn Type L Copper Tube/Pipe.....	3.23	1.58
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.07	
			<i>For Work In Restricted Working Space, Add</i>	0.71	
22 11 16 00-0349	LF		3/8" Hard Drawn Type L Copper Tube/Pipe.....	3.77	1.64
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.10	
			<i>For Work In Restricted Working Space, Add</i>	0.74	
22 11 16 00-0350	LF		1/2" Hard Drawn Type L Copper Tube/Pipe.....	4.19	1.71
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.13	
			<i>For Work In Restricted Working Space, Add</i>	0.77	
22 11 16 00-0351	LF		3/4" Hard Drawn Type L Copper Tube/Pipe.....	5.20	1.82
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.20	
			<i>For Work In Restricted Working Space, Add</i>	0.82	
22 11 16 00-0352	LF		1" Hard Drawn Type L Copper Tube/Pipe.....	6.62	2.05
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.28	
			<i>For Work In Restricted Working Space, Add</i>	0.92	
22 11 16 00-0353	LF		1-1/4" Hard Drawn Type L Copper Tube/Pipe.....	9.54	3.04
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.40	
			<i>For Work In Restricted Working Space, Add</i>	1.37	
22 11 16 00-0354	LF		1-1/2" Hard Drawn Type L Copper Tube/Pipe.....	12.10	3.40
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.56	
			<i>For Work In Restricted Working Space, Add</i>	1.53	
22 11 16 00-0355	LF		2" Hard Drawn Type L Copper Tube/Pipe.....	20.88	4.19
			<i>For Medical/Oxygen Service Tubing, Add</i>	1.17	
			<i>For Work In Restricted Working Space, Add</i>	1.88	
22 11 16 00-0356	LF		2-1/2" Hard Drawn Type L Copper Tube/Pipe.....	35.89	5.24
			<i>For Medical/Oxygen Service Tubing, Add</i>	1.61	
			<i>For Work In Restricted Working Space, Add</i>	4.71	
22 11 16 00-0357	LF		3" Hard Drawn Type L Copper Tube/Pipe.....	42.50	5.81
			<i>For Medical/Oxygen Service Tubing, Add</i>	2.01	
			<i>For Work In Restricted Working Space, Add</i>	5.23	
22 11 16 00-0358	LF		4" Hard Drawn Type L Copper Tube/Pipe.....	59.82	6.55
			<i>For Medical/Oxygen Service Tubing, Add</i>	3.21	
			<i>For Work In Restricted Working Space, Add</i>	5.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0359 LF 5" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.81 8.90 6.77	7.52
22 11 16 00-0360 LF 6" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	161.55 10.13 10.49	11.67
22 11 16 00-0361 LF 8" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	267.75 18.31 11.66	12.97
22 11 16 00-0362 Hard Drawn Type K Copper Tube/Pipe (22 11 16 00-0346)		
22 11 16 00-0363 LF 1/4" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	3.54 0.08 0.77	1.70
22 11 16 00-0364 LF 3/8" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	4.68 0.14 0.87	1.95
22 11 16 00-0365 LF 1/2" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	4.78 0.16 0.85	1.89
22 11 16 00-0366 LF 3/4" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.78 0.28 0.99	2.20
22 11 16 00-0367 LF 1" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.06 0.36 1.05	2.34
22 11 16 00-0368 LF 1-1/4" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.82 0.47 1.49	3.32
22 11 16 00-0369 LF 1-1/2" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.94 0.67 1.67	3.72
22 11 16 00-0370 LF 2" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.02 1.37 2.05	4.57
22 11 16 00-0371 LF 2-1/2" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.97 1.91 5.14	11.43
22 11 16 00-0372 LF 3" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.29 2.41 5.75	12.79
22 11 16 00-0373 LF 4" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	70.32 3.89 6.51	14.48
22 11 16 00-0374 LF 5" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.98 11.31 7.69	17.09
22 11 16 00-0375 LF 6" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	213.82 13.80 12.39	27.56
22 11 16 00-0376 LF 8" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	352.69 24.57 13.66	30.36
22 11 16 00-0377 Hard Drawn Type M Copper Tube/Pipe (22 11 16 00-0346)		
22 11 16 00-0378 LF 1/4" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	2.80 0.62	1.36
22 11 16 00-0379 LF 3/8" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	2.94 0.59	1.31
22 11 16 00-0380 LF 1/2" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	3.19 0.61	1.36
22 11 16 00-0381 LF 3/4" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	3.95 0.65	1.44
22 11 16 00-0382 LF 1" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	4.94 0.73	1.61
22 11 16 00-0383 LF 1-1/4" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	7.56 1.12	2.48
22 11 16 00-0384 LF 1-1/2" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	10.06 1.28	2.85
22 11 16 00-0385 LF 2" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	17.48 1.59	3.54
22 11 16 00-0386 LF 2-1/2" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	30.80 4.28	9.53
22 11 16 00-0387 LF 3" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	35.90 4.71	10.48
22 11 16 00-0388 LF 4" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	53.13 5.50	12.23
22 11 16 00-0389 LF 5" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	118.53 6.35	14.12
22 11 16 00-0390 LF 6" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	143.47 9.83	21.86

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0391	LF		8" Hard Drawn Type M Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	231.74 10.82	24.05
22 11 16 00-0392			Soft Drawn Type L Copper Tube (22 11 16 00-0346)		
22 11 16 00-0393	LF		1/4" Soft Drawn Type L Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	3.30 0.71	0.17
22 11 16 00-0394	LF		3/8" Soft Drawn Type L Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	3.92 0.74	1.64
22 11 16 00-0395	LF		1/2" Soft Drawn Type L Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	4.47 0.77	1.71
22 11 16 00-0396	LF		5/8" Soft Drawn Type L Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	5.18 0.80	1.77
22 11 16 00-0397	LF		3/4" Soft Drawn Type L Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	5.62 0.82	1.82
22 11 16 00-0398	LF		1" Soft Drawn Type L Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	7.22 0.92	2.05
22 11 16 00-0399	LF		1-1/4" Soft Drawn Type L Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	10.86 1.37	3.04
22 11 16 00-0400	LF		1-1/2" Soft Drawn Type L Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	13.15 1.53	3.40
22 11 16 00-0401	LF		2" Soft Drawn Type L Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	19.47 1.88	4.19
22 11 16 00-0402			Soft Drawn Type K Copper Tube (22 11 16 00-0346)		
22 11 16 00-0403	LF		1/4" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	3.49 0.71	0.17
22 11 16 00-0404	LF		3/8" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	4.47 0.74	1.64
22 11 16 00-0405	LF		1/2" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	4.82 0.77	1.71
22 11 16 00-0406	LF		5/8" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	5.53 0.80	1.77
22 11 16 00-0407	LF		3/4" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	6.69 0.82	1.82
22 11 16 00-0408	LF		1" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	8.35 0.92	2.05
22 11 16 00-0409	LF		1-1/4" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	11.70 1.37	3.04
22 11 16 00-0410	LF		1-1/2" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	14.45 1.53	3.40
22 11 16 00-0411	LF		2" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	21.19 1.88	4.19
22 11 16 00-0412	LF		2-1/2" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	25.44 2.26	5.03
22 11 16 00-0413	LF		3" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	33.93 2.67	5.94
22 11 16 00-0414			Copper And Brass Fittings (22 11 16 00-0345) Note: All fittings are based on 95/5 solder.		
22 11 16 00-0415			90 Degree Copper Elbows (22 11 16 00-0414)		
22 11 16 00-0416	EA		1/4" 90 Degree Copper Elbow..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.17 2.17 -1.46 2.11 0.44 4.22	9.38
22 11 16 00-0417	EA		3/8" 90 Degree Copper Elbow..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.05 2.59 -1.75 2.53 0.47 5.06	11.26
22 11 16 00-0418	EA		1/2" 90 Degree Copper Elbow..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.59 3.50 -2.34 3.48 0.15 6.96	15.48
22 11 16 00-0419	EA		3/4" 90 Degree Copper Elbow..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.69 4.37 -2.93 4.33 0.34 8.65	19.28
22 11 16 00-0420	EA		1" 90 Degree Copper Elbow..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.55 5.27 -3.55 5.17 0.83 10.34	23.00



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0421	EA		1-1/4" 90 Degree Copper Elbow	40.39	24.90
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.75	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.88	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.59	
			<i>For Street Fitting, Add</i>	1.24	
			<i>For Work In Restricted Working Space, Add</i>	11.18	
22 11 16 00-0422	EA		1-1/2" 90 Degree Copper Elbow	45.66	27.22
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.36	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.32	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.12	
			<i>For Street Fitting, Add</i>	1.94	
			<i>For Work In Restricted Working Space, Add</i>	12.24	
22 11 16 00-0423	EA		2" 90 Degree Copper Elbow	54.59	30.53
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.30	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.02	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.86	
			<i>For Street Fitting, Add</i>	3.54	
			<i>For Work In Restricted Working Space, Add</i>	13.72	
22 11 16 00-0424	EA		2-1/2" 90 Degree Copper Elbow	64.01	31.09
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.86	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.53	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.99	
			<i>For Work In Restricted Working Space, Add</i>	13.99	
22 11 16 00-0425	EA		3" 90 Degree Copper Elbow	80.20	37.17
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.58	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.79	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.35	
			<i>For Work In Restricted Working Space, Add</i>	16.71	
22 11 16 00-0426	EA		4" 90 Degree Copper Elbow	138.47	52.72
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	14.82	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.87	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.85	
			<i>For Work In Restricted Working Space, Add</i>	23.70	
22 11 16 00-0427	EA		5" 90 Degree Copper Elbow	357.25	72.15
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	28.68	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-23.27	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	16.22	
			<i>For Work In Restricted Working Space, Add</i>	32.45	
22 11 16 00-0428	EA		6" 90 Degree Copper Elbow	489.44	104.99
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	40.21	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-32.34	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	23.61	
			<i>For Work In Restricted Working Space, Add</i>	47.21	
22 11 16 00-0429	EA		8" 90 Degree Copper Elbow	1,438.34	139.96
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	92.90	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-82.41	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	31.48	
			<i>For Work In Restricted Working Space, Add</i>	62.95	
22 11 16 00-0430			90 Degree Brass Elbows (22 11 16 00-0414)		
22 11 16 00-0431	EA		1/2" Drop Ear 90 Degree Brass Elbow.....	25.58	15.48
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.60	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.44	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.48	
			<i>For Work In Restricted Working Space, Add</i>	6.96	
22 11 16 00-0432	EA		3/4" Drop Ear 90 Degree Brass Elbow.....	35.76	19.28
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.67	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.23	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.33	
			<i>For Work In Restricted Working Space, Add</i>	8.65	
22 11 16 00-0433	EA		1/2" Flanged Sink 90 Degree Brass Elbow	27.54	15.48
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.70	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.54	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.48	
			<i>For Work In Restricted Working Space, Add</i>	6.96	
22 11 16 00-0434	EA		3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	20.43	11.26
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.71	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.87	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.53	
			<i>For Work In Restricted Working Space, Add</i>	5.06	
22 11 16 00-0435	EA		1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	25.75	15.48
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.61	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.45	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.48	
			<i>For Work In Restricted Working Space, Add</i>	6.96	
22 11 16 00-0436	EA		3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	33.31	19.28
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.55	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.11	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.33	
			<i>For Work In Restricted Working Space, Add</i>	8.65	
22 11 16 00-0437	EA		1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	48.75	23.00
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.88	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.16	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.17	
			<i>For Work In Restricted Working Space, Add</i>	10.34	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0438 Reducing 90 Degree Copper Elbows (22 11 16 00-0414)		
22 11 16 00-0439 EA 1/2" Reducing 90 Degree Copper Elbow	26.28	15.48
For Silver Solder Instead Of 95/5 Solder, Add	3.64	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.47	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.48	
For Work In Restricted Working Space, Add	6.96	
22 11 16 00-0440 EA 3/4" Reducing 90 Degree Copper Elbow	31.01	19.28
For Silver Solder Instead Of 95/5 Solder, Add	4.43	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.99	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.33	
For Work In Restricted Working Space, Add	8.65	
22 11 16 00-0441 EA 1" Reducing 90 Degree Copper Elbow	38.46	23.00
For Silver Solder Instead Of 95/5 Solder, Add	5.37	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.65	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.17	
For Work In Restricted Working Space, Add	10.34	
22 11 16 00-0442 EA 1-1/4" Reducing 90 Degree Copper Elbow	47.44	24.90
For Silver Solder Instead Of 95/5 Solder, Add	6.10	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.24	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.59	
For Work In Restricted Working Space, Add	11.18	
22 11 16 00-0443 EA 1-1/2" Reducing 90 Degree Copper Elbow	54.16	27.22
For Silver Solder Instead Of 95/5 Solder, Add	6.79	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.75	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.12	
For Work In Restricted Working Space, Add	12.24	
22 11 16 00-0444 EA 2" Reducing 90 Degree Copper Elbow	63.71	30.53
For Silver Solder Instead Of 95/5 Solder, Add	7.76	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.47	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.86	
For Work In Restricted Working Space, Add	13.72	
22 11 16 00-0445 45 Degree Copper Elbows (22 11 16 00-0414)		
22 11 16 00-0446 EA 1/4" 45 Degree Copper Elbow	16.13	9.38
For Silver Solder Instead Of 95/5 Solder, Add	2.21	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.51	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.11	
For Street Fitting, Add	0.82	
For Work In Restricted Working Space, Add	4.22	
22 11 16 00-0447 EA 3/8" 45 Degree Copper Elbow	18.64	11.26
For Silver Solder Instead Of 95/5 Solder, Add	2.62	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.78	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.53	
For Street Fitting, Add	0.70	
For Work In Restricted Working Space, Add	5.06	
22 11 16 00-0448 EA 1/2" 45 Degree Copper Elbow	23.90	15.48
For Silver Solder Instead Of 95/5 Solder, Add	3.52	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.36	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.48	
For Street Fitting, Add	0.28	
For Work In Restricted Working Space, Add	6.96	
22 11 16 00-0449 EA 3/4" 45 Degree Copper Elbow	30.03	19.28
For Silver Solder Instead Of 95/5 Solder, Add	4.39	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.94	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.33	
For Street Fitting, Add	0.48	
For Work In Restricted Working Space, Add	8.65	
22 11 16 00-0450 EA 1" 45 Degree Copper Elbow	37.43	23.00
For Silver Solder Instead Of 95/5 Solder, Add	5.32	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.60	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.17	
For Street Fitting, Add	1.18	
For Work In Restricted Working Space, Add	10.34	
22 11 16 00-0451 EA 1-1/4" 45 Degree Copper Elbow	41.29	24.90
For Silver Solder Instead Of 95/5 Solder, Add	5.79	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.93	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.59	
For Street Fitting, Add	1.60	
For Work In Restricted Working Space, Add	11.18	
22 11 16 00-0452 EA 1-1/2" 45 Degree Copper Elbow	45.72	27.22
For Silver Solder Instead Of 95/5 Solder, Add	6.37	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.33	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.12	
For Street Fitting, Add	1.97	
For Work In Restricted Working Space, Add	12.24	
22 11 16 00-0453 EA 2" 45 Degree Copper Elbow	53.94	30.53
For Silver Solder Instead Of 95/5 Solder, Add	7.27	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.98	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.86	
For Work In Restricted Working Space, Add	13.72	



	Plumbing 22
	Plumbing Piping 22 10
	Facility Water Distribution 22 11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0454	EA		2-1/2" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.80 7.85 -5.52 6.99 13.99	31.09
22 11 16 00-0455	EA		3" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.16 9.63 -6.84 8.35 16.71	37.17
22 11 16 00-0456	EA		4" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.33 14.57 -10.62 11.85 23.70	52.72
22 11 16 00-0457	EA		5" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	318.51 26.74 -21.33 16.22 32.45	72.15
22 11 16 00-0458	EA		6" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	488.88 40.18 -32.31 23.61 47.21	104.99
22 11 16 00-0459	EA		8" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,336.28 87.80 -77.31 31.48 62.95	139.96
22 11 16 00-0460			Straight Copper And Brass Tees (22 11 16 00-0414)		
22 11 16 00-0461	EA		1/4" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.41 3.28 -2.23 3.17 6.33	14.07
22 11 16 00-0462	EA		3/8" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.19 3.89 -2.63 3.80 7.60	16.88
22 11 16 00-0463	EA		1/2" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.82 5.31 -3.55 5.28 10.55	23.49
22 11 16 00-0464	EA		3/4" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.17 6.62 -4.44 6.54 13.09	29.13
22 11 16 00-0465	EA		1" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.73 8.04 -5.44 7.81 15.62	34.75
22 11 16 00-0466	EA		1-1/4" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.79 8.77 -5.95 8.44 16.88	37.56
22 11 16 00-0467	EA		1-1/2" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	71.06 9.67 -6.61 9.18 18.36	40.80
22 11 16 00-0468	EA		2" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.60 11.12 -7.68 10.34 20.68	46.01
22 11 16 00-0469	EA		2-1/2" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	100.92 12.04 -8.54 10.49 20.98	46.63
22 11 16 00-0470	EA		3" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	131.51 14.99 -10.79 12.63 25.26	56.15

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0471 EA 4" Straight Copper Tee	232.40	78.63
For Silver Solder Instead Of 95/5 Solder, Add	23.41	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.51	
For Brazed Fittings Instead Of 95/5 Solder, Add	17.68	
For Work In Restricted Working Space, Add	35.36	
22 11 16 00-0472 EA 5" Straight Copper Tee	535.68	107.58
For Silver Solder Instead Of 95/5 Solder, Add	42.91	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-34.85	
For Brazed Fittings Instead Of 95/5 Solder, Add	24.19	
For Work In Restricted Working Space, Add	48.38	
22 11 16 00-0473 EA 6" Straight Copper Tee	748.20	157.71
For Silver Solder Instead Of 95/5 Solder, Add	61.05	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-49.23	
For Brazed Fittings Instead Of 95/5 Solder, Add	35.46	
For Work In Restricted Working Space, Add	70.92	
22 11 16 00-0474 EA 8" Straight Copper Tee	2,289.05	209.96
For Silver Solder Instead Of 95/5 Solder, Add	145.93	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-130.19	
For Brazed Fittings Instead Of 95/5 Solder, Add	47.21	
For Work In Restricted Working Space, Add	94.43	
22 11 16 00-0475 EA 1/2" Cast Bronze Drop Ear Tee	39.17	23.49
For Silver Solder Instead Of 95/5 Solder, Add	5.48	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.72	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.28	
For Work In Restricted Working Space, Add	10.55	
22 11 16 00-0476 Reducing Copper Tees (22 11 16 00-0414)		
22 11 16 00-0477 EA 3/8" Reducing Copper Tee.....	26.20	14.99
For Silver Solder Instead Of 95/5 Solder, Add	3.56	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.44	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.38	
For Work In Restricted Working Space, Add	6.76	
22 11 16 00-0478 EA 1/2" Reducing Copper Tee.....	34.89	21.10
For Silver Solder Instead Of 95/5 Solder, Add	4.91	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.33	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.75	
For Work In Restricted Working Space, Add	9.50	
22 11 16 00-0479 EA 3/4" Reducing Copper Tee.....	42.45	27.22
For Silver Solder Instead Of 95/5 Solder, Add	6.20	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.16	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.12	
For Work In Restricted Working Space, Add	12.24	
22 11 16 00-0480 EA 1" Reducing Copper Tee.....	54.48	32.86
For Silver Solder Instead Of 95/5 Solder, Add	7.65	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.19	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.39	
For Work In Restricted Working Space, Add	14.77	
22 11 16 00-0481 EA 1-1/4" Reducing Copper Tee	61.42	35.67
For Silver Solder Instead Of 95/5 Solder, Add	8.42	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.74	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.02	
For Work In Restricted Working Space, Add	16.04	
22 11 16 00-0482 EA 1-1/2" Reducing Copper Tee	69.63	38.97
For Silver Solder Instead Of 95/5 Solder, Add	9.32	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.40	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.76	
For Work In Restricted Working Space, Add	17.52	
22 11 16 00-0483 EA 2" Reducing Copper Tee.....	81.66	43.62
For Silver Solder Instead Of 95/5 Solder, Add	10.63	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.35	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.81	
For Work In Restricted Working Space, Add	19.63	
22 11 16 00-0484 EA 2-1/2" Reducing Copper Tee	101.28	44.95
For Silver Solder Instead Of 95/5 Solder, Add	11.80	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.43	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.10	
For Work In Restricted Working Space, Add	20.21	
22 11 16 00-0485 EA 3" Reducing Copper Tee.....	133.44	51.81
For Silver Solder Instead Of 95/5 Solder, Add	14.44	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.56	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.66	
For Work In Restricted Working Space, Add	23.32	
22 11 16 00-0486 EA 4" Reducing Copper Tee.....	213.16	63.92
For Silver Solder Instead Of 95/5 Solder, Add	20.24	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.45	
For Brazed Fittings Instead Of 95/5 Solder, Add	14.38	
For Work In Restricted Working Space, Add	28.76	
22 11 16 00-0487 Copper Couplings (22 11 16 00-0414)		
22 11 16 00-0488 EA 1/4" Copper Coupling.....	14.29	9.38
For Silver Solder Instead Of 95/5 Solder, Add	2.12	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.42	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.11	
For Work In Restricted Working Space, Add	4.22	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0489	EA			3/8" Copper Coupling.....	17.17	11.26
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.55	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.70	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.53	
				<i>For Work In Restricted Working Space, Add</i>	5.06	
22 11 16 00-0490	EA			1/2" Copper Coupling.....	23.45	15.48
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.49	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.33	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.48	
				<i>For Work In Restricted Working Space, Add</i>	6.96	
22 11 16 00-0491	EA			3/4" Copper Coupling.....	29.33	19.28
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.35	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.91	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.33	
				<i>For Work In Restricted Working Space, Add</i>	8.65	
22 11 16 00-0492	EA			1" Copper Coupling.....	35.45	23.00
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.22	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.50	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.17	
				<i>For Work In Restricted Working Space, Add</i>	10.34	
22 11 16 00-0493	EA			1-1/4" Copper Coupling	39.00	24.90
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.68	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.81	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.59	
				<i>For Work In Restricted Working Space, Add</i>	11.18	
22 11 16 00-0494	EA			1-1/2" Copper Coupling	43.08	27.22
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.23	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.19	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.12	
				<i>For Work In Restricted Working Space, Add</i>	12.24	
22 11 16 00-0495	EA			2" Copper Coupling.....	49.52	30.25
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.05	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.76	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.86	
				<i>For Work In Restricted Working Space, Add</i>	13.72	
22 11 16 00-0496	EA			2-1/2" Copper Coupling	51.83	29.41
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.00	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.79	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.61	
				<i>For Work In Restricted Working Space, Add</i>	13.21	
22 11 16 00-0497	EA			3" Copper Coupling.....	63.70	35.62
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.50	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.84	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.97	
				<i>For Work In Restricted Working Space, Add</i>	15.93	
22 11 16 00-0498	EA			4" Copper Coupling.....	94.60	47.93
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.85	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.29	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.69	
				<i>For Work In Restricted Working Space, Add</i>	21.37	
22 11 16 00-0499	EA			5" Copper Coupling.....	145.84	87.43
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	17.01	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.15	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	14.57	
				<i>For Work In Restricted Working Space, Add</i>	29.15	
22 11 16 00-0500	EA			6" Copper Coupling.....	222.94	95.01
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	25.40	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-18.27	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	21.37	
				<i>For Work In Restricted Working Space, Add</i>	42.74	
22 11 16 00-0501	EA			8" Copper Coupling.....	449.93	125.97
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	41.41	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-31.95	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	28.37	
				<i>For Work In Restricted Working Space, Add</i>	56.73	
22 11 16 00-0502 Reducing Copper Couplings (22 11 16 00-0414)						
22 11 16 00-0503	EA			3/8" Reducing Copper Coupling	14.55	9.35
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.13	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.43	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.11	
				<i>For Work In Restricted Working Space, Add</i>	4.22	
22 11 16 00-0504	EA			1/2" Reducing Copper Coupling	20.55	13.36
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.03	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.03	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.01	
				<i>For Work In Restricted Working Space, Add</i>	6.02	
22 11 16 00-0505	EA			3/4" Reducing Copper Coupling	26.90	17.38
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.95	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.65	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.90	
				<i>For Work In Restricted Working Space, Add</i>	7.81	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0506 EA 1" Reducing Copper Coupling.....	33.24	21.10
For Silver Solder Instead Of 95/5 Solder, Add	4.83	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.25	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.75	
For Work In Restricted Working Space, Add	9.50	
22 11 16 00-0507 EA 1-1/4" Reducing Copper Coupling	38.07	23.92
For Silver Solder Instead Of 95/5 Solder, Add	5.49	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.70	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.38	
For Work In Restricted Working Space, Add	10.76	
22 11 16 00-0508 EA 1-1/2" Reducing Copper Coupling	42.67	26.03
For Silver Solder Instead Of 95/5 Solder, Add	6.04	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.09	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.86	
For Work In Restricted Working Space, Add	11.71	
22 11 16 00-0509 EA 2" Reducing Copper Coupling.....	48.89	28.84
For Silver Solder Instead Of 95/5 Solder, Add	6.77	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.61	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.49	
For Work In Restricted Working Space, Add	12.98	
22 11 16 00-0510 EA 2-1/2" Reducing Copper Coupling	55.92	29.60
For Silver Solder Instead Of 95/5 Solder, Add	7.23	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.01	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.65	
For Work In Restricted Working Space, Add	13.31	
22 11 16 00-0511 EA 3" Reducing Copper Coupling.....	65.46	34.33
For Silver Solder Instead Of 95/5 Solder, Add	8.39	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.83	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.68	
For Work In Restricted Working Space, Add	15.35	
22 11 16 00-0512 EA 4" Reducing Copper Coupling.....	95.72	44.95
For Silver Solder Instead Of 95/5 Solder, Add	11.52	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.15	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.10	
For Work In Restricted Working Space, Add	20.21	
22 11 16 00-0513 EA 5" Reducing Copper Coupling.....	204.84	62.62
For Silver Solder Instead Of 95/5 Solder, Add	19.63	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.94	
For Brazed Fittings Instead Of 95/5 Solder, Add	14.09	
For Work In Restricted Working Space, Add	28.17	
22 11 16 00-0514 EA 6" Reducing Copper Coupling.....	298.09	84.19
For Silver Solder Instead Of 95/5 Solder, Add	27.53	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.12	
For Brazed Fittings Instead Of 95/5 Solder, Add	18.94	
For Work In Restricted Working Space, Add	37.89	
22 11 16 00-0515 EA 8" Reducing Copper Coupling.....	548.13	122.68
For Silver Solder Instead Of 95/5 Solder, Add	45.80	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-36.60	
For Brazed Fittings Instead Of 95/5 Solder, Add	27.59	
For Work In Restricted Working Space, Add	55.18	
22 11 16 00-0516 Male Copper Adapters (22 11 16 00-0414)		
22 11 16 00-0517 EA 1/4" Male Copper Adapter.....	17.97	9.14
For Silver Solder Instead Of 95/5 Solder, Add	2.31	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.60	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.11	
For Work In Restricted Working Space, Add	4.22	
22 11 16 00-0518 EA 3/8" Male Copper Adapter.....	18.82	11.26
For Silver Solder Instead Of 95/5 Solder, Add	2.63	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.79	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.53	
For Work In Restricted Working Space, Add	5.06	
22 11 16 00-0519 EA 1/2" Male Copper Adapter.....	21.89	14.07
For Silver Solder Instead Of 95/5 Solder, Add	3.20	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.15	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.17	
For Work In Restricted Working Space, Add	6.33	
22 11 16 00-0520 EA 3/4" Male Copper Adapter.....	27.36	17.59
For Silver Solder Instead Of 95/5 Solder, Add	3.97	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.67	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.90	
For Work In Restricted Working Space, Add	7.81	
22 11 16 00-0521 EA 1" Male Copper Adapter.....	33.64	20.40
For Silver Solder Instead Of 95/5 Solder, Add	4.71	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.19	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.54	
For Work In Restricted Working Space, Add	9.08	
22 11 16 00-0522 EA 1-1/4" Male Copper Adapter	40.11	23.21
For Silver Solder Instead Of 95/5 Solder, Add	5.52	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.76	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.28	
For Work In Restricted Working Space, Add	10.55	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0523	EA		1-1/2" Male Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.88 6.30 -4.30 6.02 12.03	26.73
22 11 16 00-0524	EA		2" Male Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.13 8.19 -5.62 7.70 15.41	34.12
22 11 16 00-0525	EA		2-1/2" Male Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.22 11.47 -8.17 9.92 19.84	44.32
22 11 16 00-0526	EA		3" Male Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.23 15.27 -10.87 13.21 26.42	59.09
22 11 16 00-0527	EA		4" Male Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	190.17 21.94 -15.73 18.65 37.31	82.90
22 11 16 00-0528 Female Copper Adapters (22 11 16 00-0414)					
22 11 16 00-0529	EA		1/4" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.56 2.24 -1.53 2.11 4.22	9.14
22 11 16 00-0530	EA		3/8" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.48 2.66 -1.82 2.53 5.06	11.26
22 11 16 00-0531	EA		1/2" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.36 3.23 -2.17 3.17 6.33	14.07
22 11 16 00-0532	EA		3/4" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.75 3.99 -2.69 3.90 7.81	17.59
22 11 16 00-0533	EA		1" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.19 4.73 -3.22 4.54 9.08	20.40
22 11 16 00-0534	EA		1-1/4" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.95 5.56 -3.81 5.28 10.55	23.21
22 11 16 00-0535	EA		1-1/2" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.14 6.47 -4.46 6.02 12.03	26.73
22 11 16 00-0536	EA		2" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.61 8.32 -5.75 7.70 15.41	34.12
22 11 16 00-0537	EA		2-1/2" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	104.75 11.33 -8.28 9.13 18.26	40.80
22 11 16 00-0538	EA		3" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	161.97 16.91 -12.50 13.21 26.42	59.09
22 11 16 00-0539 Wrot Copper, Solder Union (22 11 16 00-0414)					
22 11 16 00-0540	EA		1/4" Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.40 2.81 -1.96 2.53 5.06	11.26

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0541	EA		3/8" Wrot Copper, Solder Union.....	26.09	13.58
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.34	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.32	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.06	
			<i>For Work In Restricted Working Space, Add</i>	6.12	
22 11 16 00-0542	EA		1/2" Wrot Copper, Solder Union.....	28.85	16.88
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.98	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.71	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.80	
			<i>For Work In Restricted Working Space, Add</i>	7.60	
22 11 16 00-0543	EA		3/4" Wrot Copper, Solder Union.....	33.17	19.28
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.54	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.10	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.33	
			<i>For Work In Restricted Working Space, Add</i>	8.65	
22 11 16 00-0544	EA		1" Wrot Copper, Solder Union.....	41.90	23.00
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.54	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.82	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.17	
			<i>For Work In Restricted Working Space, Add</i>	10.34	
22 11 16 00-0545	EA		1-1/4" Wrot Copper, Solder Union.....	48.75	25.33
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.24	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.34	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.70	
			<i>For Work In Restricted Working Space, Add</i>	11.40	
22 11 16 00-0546	EA		1-1/2" Wrot Copper, Solder Union.....	57.39	28.14
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.09	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.98	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.33	
			<i>For Work In Restricted Working Space, Add</i>	12.66	
22 11 16 00-0547	EA		2" Wrot Copper, Solder Union.....	76.52	33.76
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.89	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.36	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.60	
			<i>For Work In Restricted Working Space, Add</i>	15.20	
22 11 16 00-0548	EA		2-1/2" Wrot Copper, Solder Union.....	126.24	37.17
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.88	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.10	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.35	
			<i>For Work In Restricted Working Space, Add</i>	16.71	
22 11 16 00-0549	EA		3" Wrot Copper, Solder Union.....	261.58	52.72
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	20.98	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-17.03	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.85	
			<i>For Work In Restricted Working Space, Add</i>	23.70	
22 11 16 00-0550			Cast Bronze, Solder Union <small>(22 11 16 00-0414)</small>		
22 11 16 00-0551	EA		1/4" Cast Bronze, Solder Union.....	24.44	11.26
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.91	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.07	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.53	
			<i>For Work In Restricted Working Space, Add</i>	5.06	
22 11 16 00-0552	EA		3/8" Cast Bronze, Solder Union.....	28.01	13.58
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.44	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.42	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.06	
			<i>For Work In Restricted Working Space, Add</i>	6.12	
22 11 16 00-0553	EA		1/2" Cast Bronze, Solder Union.....	29.38	16.88
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.00	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.74	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.80	
			<i>For Work In Restricted Working Space, Add</i>	7.60	
22 11 16 00-0554	EA		3/4" Cast Bronze, Solder Union.....	33.92	19.28
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.58	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.14	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.33	
			<i>For Work In Restricted Working Space, Add</i>	8.65	
22 11 16 00-0555	EA		1" Cast Bronze, Solder Union.....	43.22	23.00
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.61	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.88	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.17	
			<i>For Work In Restricted Working Space, Add</i>	10.34	
22 11 16 00-0556	EA		1-1/4" Cast Bronze, Solder Union.....	52.34	25.33
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.42	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.52	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.70	
			<i>For Work In Restricted Working Space, Add</i>	11.40	
22 11 16 00-0557	EA		1-1/2" Cast Bronze, Solder Union.....	61.13	28.14
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.28	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.17	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.33	
			<i>For Work In Restricted Working Space, Add</i>	12.66	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
	22 11	16 00-0558	EA	2" Cast Bronze, Solder Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.90 9.21 -6.68 7.60 15.20	33.76	
	22 11	16 00-0559	EA	2-1/2" Cast Bronze, Solder Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	126.24 11.88 -9.10 8.35 16.71	37.17	
	22 11	16 00-0560	EA	3" Cast Bronze, Solder Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	261.58 20.98 -17.03 11.85 23.70	52.72	
22 11	16 00-0561	Cast Bronze, Solder X Female Threaded Union (22 11 16 00-0414)					
	22 11	16 00-0562	EA	1/4" Cast Bronze, Solder X Female Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.19 3.05 -2.20 2.53 5.06	11.26	
	22 11	16 00-0563	EA	3/8" Cast Bronze, Solder X Female Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.07 3.59 -2.57 3.06 6.12	13.58	
	22 11	16 00-0564	EA	1/2" Cast Bronze, Solder X Female Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.80 4.22 -2.96 3.80 7.60	16.88	
	22 11	16 00-0565	EA	3/4" Cast Bronze, Solder X Female Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.39 4.90 -3.46 4.33 8.65	19.28	
	22 11	16 00-0566	EA	1" Cast Bronze, Solder X Female Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.49 6.37 -4.65 5.17 10.34	23.00	
	22 11	16 00-0567	EA	1-1/4" Cast Bronze, Solder X Female Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.76 7.94 -6.04 5.70 11.40	25.33	
	22 11	16 00-0568	EA	1-1/2" Cast Bronze, Solder X Female Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	98.93 9.17 -7.06 6.33 12.66	28.14	
	22 11	16 00-0569	EA	2" Cast Bronze, Solder X Female Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	146.66 12.40 -9.87 7.60 15.20	33.76	
	22 11	16 00-0570	EA	2-1/2" Cast Bronze, Solder X Female Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	237.70 17.45 -14.67 8.35 16.71	37.17	
22 11	16 00-0571	Cast Bronze, Solder X Male Threaded Union (22 11 16 00-0414)					
	22 11	16 00-0572	EA	1/4" Cast Bronze, Solder X Male Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.73 2.92 -2.08 2.53 5.06	11.26	
	22 11	16 00-0573	EA	3/8" Cast Bronze, Solder X Male Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.57 3.52 -2.50 3.06 6.12	13.58	
	22 11	16 00-0574	EA	1/2" Cast Bronze, Solder X Male Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.02 4.13 -2.87 3.80 7.60	16.88	
	22 11	16 00-0575	EA	3/4" Cast Bronze, Solder X Male Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.88 4.83 -3.39 4.33 8.65	19.28	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0576	EA		1" Cast Bronze, Solder X Male Threaded Union.....	59.19	23.00
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.41	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.68	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.17	
			<i>For Work In Restricted Working Space, Add</i>	10.34	
22 11 16 00-0577	EA		1-1/4" Cast Bronze, Solder X Male Threaded Union.....	68.65	25.33
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.23	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.33	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.70	
			<i>For Work In Restricted Working Space, Add</i>	11.40	
22 11 16 00-0578	EA		1-1/2" Cast Bronze, Solder X Male Threaded Union.....	74.41	28.14
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.94	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.83	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.33	
			<i>For Work In Restricted Working Space, Add</i>	12.66	
22 11 16 00-0579	EA		2" Cast Bronze, Solder X Male Threaded Union.....	100.12	33.76
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.07	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.54	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.60	
			<i>For Work In Restricted Working Space, Add</i>	15.20	
22 11 16 00-0580	EA		2-1/2" Cast Bronze, Solder X Male Threaded Union.....	200.65	37.17
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	15.60	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.82	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.35	
			<i>For Work In Restricted Working Space, Add</i>	16.71	
22 11 16 00-0581			Copper Caps (22 11 16 00-0414)		
22 11 16 00-0582	EA		1/4" Copper Cap	2.98	1.78
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	0.41	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-0.28	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	0.40	
			<i>For Work In Restricted Working Space, Add</i>	0.79	
22 11 16 00-0583	EA		3/8" Copper Cap	3.35	1.87
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	0.45	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-0.31	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	0.42	
			<i>For Work In Restricted Working Space, Add</i>	0.84	
22 11 16 00-0584	EA		1/2" Copper Cap	3.26	2.02
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	0.46	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-0.31	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	0.45	
			<i>For Work In Restricted Working Space, Add</i>	0.90	
22 11 16 00-0585	EA		3/4" Copper Cap	4.26	2.53
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	0.59	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-0.40	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	0.56	
			<i>For Work In Restricted Working Space, Add</i>	1.13	
22 11 16 00-0586	EA		1" Copper Cap	5.96	3.20
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	0.77	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-0.54	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	0.71	
			<i>For Work In Restricted Working Space, Add</i>	1.43	
22 11 16 00-0587	EA		1-1/4" Copper Cap	8.13	4.39
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	1.06	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-0.73	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	0.98	
			<i>For Work In Restricted Working Space, Add</i>	1.95	
22 11 16 00-0588	EA		1-1/2" Copper Cap	10.00	5.16
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	1.27	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-0.88	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	1.15	
			<i>For Work In Restricted Working Space, Add</i>	2.30	
22 11 16 00-0589	EA		2" Copper Cap	21.38	11.50
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.77	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.92	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.55	
			<i>For Work In Restricted Working Space, Add</i>	5.11	
22 11 16 00-0590	EA		2-1/2" Copper Cap	38.93	17.49
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.54	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.24	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.89	
			<i>For Work In Restricted Working Space, Add</i>	7.77	
22 11 16 00-0591	EA		3" Copper Cap	52.65	22.95
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.03	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.33	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.10	
			<i>For Work In Restricted Working Space, Add</i>	10.20	
22 11 16 00-0592	EA		4" Copper Cap	75.68	27.33
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.83	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.81	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.07	
			<i>For Work In Restricted Working Space, Add</i>	12.14	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0593	EA			5" Cast Bronze Cap 303.62		37.50
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	20.80	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-17.99	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.43	
				<i>For Work In Restricted Working Space, Add</i>	16.87	
22 11 16 00-0594	EA			6" Cast Bronze Cap 564.86		48.58
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	35.44	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-31.84	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.79	
				<i>For Work In Restricted Working Space, Add</i>	21.59	
22 11 16 00-0595	EA			8" Cast Bronze Cap 729.20		69.94
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	46.82	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-41.64	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	15.54	
				<i>For Work In Restricted Working Space, Add</i>	31.09	
22 11 16 00-0596				Copper Crosses (22 11 16 00-0414)		
22 11 16 00-0597	EA			1/2" Copper Cross 47.08		28.50
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.63	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.49	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.41	
				<i>For Work In Restricted Working Space, Add</i>	12.83	
22 11 16 00-0598	EA			3/4" Copper Cross 61.52		35.43
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.39	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.73	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.97	
				<i>For Work In Restricted Working Space, Add</i>	15.93	
22 11 16 00-0599	EA			1" Copper Cross 77.77		42.29
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.24	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.06	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.52	
				<i>For Work In Restricted Working Space, Add</i>	19.04	
22 11 16 00-0600	EA			1-1/4" Copper Cross 89.20		45.79
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.33	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.89	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.30	
				<i>For Work In Restricted Working Space, Add</i>	20.60	
22 11 16 00-0601	EA			1-1/2" Copper Cross 104.43		50.07
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.73	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.98	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.27	
				<i>For Work In Restricted Working Space, Add</i>	22.54	
22 11 16 00-0602	EA			2" Copper Cross 139.54		56.15
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	15.40	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-11.19	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.63	
				<i>For Work In Restricted Working Space, Add</i>	25.26	
22 11 16 00-0603	EA			2-1/2" Copper Cross 220.84		62.18
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	20.37	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-15.71	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.99	
				<i>For Work In Restricted Working Space, Add</i>	27.98	
22 11 16 00-0604				Cast Bronze Crosses (22 11 16 00-0414)		
22 11 16 00-0605	EA			3/8" Cast Bronze Cross 36.87		20.72
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.95	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.40	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.66	
				<i>For Work In Restricted Working Space, Add</i>	9.33	
22 11 16 00-0606	EA			1/2" Cast Bronze Cross 47.95		28.50
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.67	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.54	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.41	
				<i>For Work In Restricted Working Space, Add</i>	12.83	
22 11 16 00-0607	EA			3/4" Cast Bronze Cross 63.20		35.43
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.47	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.82	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.97	
				<i>For Work In Restricted Working Space, Add</i>	15.93	
22 11 16 00-0608	EA			1" Cast Bronze Cross 80.63		42.29
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.38	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.21	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.52	
				<i>For Work In Restricted Working Space, Add</i>	19.04	
22 11 16 00-0609	EA			1-1/4" Cast Bronze Cross 93.31		45.79
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.53	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.10	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.30	
				<i>For Work In Restricted Working Space, Add</i>	20.60	
22 11 16 00-0610	EA			1-1/2" Cast Bronze Cross 110.28		50.07
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.03	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.27	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.27	
				<i>For Work In Restricted Working Space, Add</i>	22.54	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0611	EA		2" Cast Bronze Cross.....	150.60	56.15
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	15.95	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-11.74	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.63	
			<i>For Work In Restricted Working Space, Add</i>	25.26	
22 11 16 00-0612	EA		2-1/2" Cast Bronze Cross.....	246.35	62.18
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	21.64	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-16.98	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.99	
			<i>For Work In Restricted Working Space, Add</i>	27.98	
22 11 16 00-0613			Crimped Copper Fittings (22 11 16 00-0345)		
			Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
22 11 16 00-0614			Crimped Copper 90 Degree Elbows (22 11 16 00-0613)		
22 11 16 00-0615	EA		1/2" Crimped Copper 90 Degree Elbow.....	13.28	8.45
22 11 16 00-0616	EA		3/4" Crimped Copper 90 Degree Elbow.....	15.47	9.64
22 11 16 00-0617	EA		1" Crimped Copper 90 Degree Elbow.....	19.34	11.47
22 11 16 00-0618	EA		1-1/4" Crimped Copper 90 Degree Elbow.....	23.26	12.66
22 11 16 00-0619	EA		1-1/2" Crimped Copper 90 Degree Elbow.....	29.17	14.07
22 11 16 00-0620	EA		2" Crimped Copper 90 Degree Elbow.....	36.55	16.88
22 11 16 00-0621	EA		2-1/2" Crimped Copper 90 Degree Elbow.....	62.14	19.69
22 11 16 00-0622	EA		3" Crimped Copper 90 Degree Elbow.....	76.18	23.42
22 11 16 00-0623	EA		4" Crimped Copper 90 Degree Elbow.....	97.16	30.95
22 11 16 00-0624			Crimped Copper 45 Degree Elbows (22 11 16 00-0613)		
22 11 16 00-0625	EA		1/2" Crimped Copper 45 Degree Elbow.....	13.38	8.45
22 11 16 00-0626	EA		3/4" Crimped Copper 45 Degree Elbow.....	15.31	9.64
22 11 16 00-0627	EA		1" Crimped Copper 45 Degree Elbow.....	20.09	11.47
22 11 16 00-0628	EA		1-1/4" Crimped Copper 45 Degree Elbow.....	23.10	12.66
22 11 16 00-0629	EA		1-1/2" Crimped Copper 45 Degree Elbow.....	27.75	14.07
22 11 16 00-0630	EA		2" Crimped Copper 45 Degree Elbow.....	34.63	16.88
22 11 16 00-0631	EA		2-1/2" Crimped Copper 45 Degree Elbow.....	51.08	19.69
22 11 16 00-0632	EA		3" Crimped Copper 45 Degree Elbow.....	65.93	23.42
22 11 16 00-0633	EA		4" Crimped Copper 45 Degree Elbow.....	89.15	30.95
22 11 16 00-0634			Crimped Copper Straight Tees (22 11 16 00-0613)		
22 11 16 00-0635	EA		1/2" Crimped Copper Straight Tee.....	19.95	12.66
22 11 16 00-0636	EA		3/4" Crimped Copper Straight Tee.....	26.65	16.67
22 11 16 00-0637	EA		1" Crimped Copper Straight Tee.....	30.81	18.50
22 11 16 00-0638	EA		1-1/4" Crimped Copper Straight Tee.....	33.60	19.00
22 11 16 00-0639	EA		1-1/2" Crimped Copper Straight Tee.....	42.30	21.60
22 11 16 00-0640	EA		2" Crimped Copper Straight Tee.....	50.27	25.33
22 11 16 00-0641	EA		2-1/2" Crimped Copper Straight Tee.....	84.59	29.55
22 11 16 00-0642	EA		3" Crimped Copper Straight Tee.....	103.10	35.17
22 11 16 00-0643	EA		4" Crimped Copper Straight Tee.....	140.27	46.43
22 11 16 00-0644			Crimped Copper Reducing Tees (22 11 16 00-0613)		
22 11 16 00-0645	EA		3/4" Crimped Copper Reducing Tee.....	20.67	12.03
22 11 16 00-0646	EA		1" Crimped Copper Reducing Tee.....	28.30	15.82
22 11 16 00-0647	EA		1-1/4" Crimped Copper Reducing Tee.....	31.07	17.59
22 11 16 00-0648	EA		1-1/2" Crimped Copper Reducing Tee.....	35.90	18.08
22 11 16 00-0649	EA		2" Crimped Copper Reducing Tee.....	41.90	20.47
22 11 16 00-0650	EA		2-1/2" Crimped Copper Reducing Tee.....	82.47	23.21
22 11 16 00-0651	EA		3" Crimped Copper Reducing Tee.....	100.12	28.14
22 11 16 00-0652	EA		4" Crimped Copper Reducing Tee.....	122.17	37.49
22 11 16 00-0653			Crimped Copper Couplings (22 11 16 00-0613)		
22 11 16 00-0654	EA		1/2" Crimped Copper Coupling.....	13.22	8.45
22 11 16 00-0655	EA		3/4" Crimped Copper Coupling.....	15.27	9.64
22 11 16 00-0656	EA		1" Crimped Copper Coupling.....	18.95	11.47
22 11 16 00-0657	EA		1-1/4" Crimped Copper Coupling.....	21.13	12.66
22 11 16 00-0658	EA		1-1/2" Crimped Copper Coupling.....	25.07	14.07
22 11 16 00-0659	EA		2" Crimped Copper Coupling.....	30.40	16.88
22 11 16 00-0660	EA		2-1/2" Crimped Copper Coupling.....	45.78	19.69
22 11 16 00-0661	EA		3" Crimped Copper Coupling.....	55.84	23.42
22 11 16 00-0662	EA		4" Crimped Copper Coupling.....	75.14	30.95
22 11 16 00-0663			Crimped Copper Reducing Couplings (22 11 16 00-0613)		
22 11 16 00-0664	EA		3/4" Crimped Copper Reducing Coupling.....	14.58	8.02
22 11 16 00-0665	EA		1" Crimped Copper Reducing Coupling.....	16.64	9.14
22 11 16 00-0666	EA		1-1/4" Crimped Copper Reducing Coupling.....	20.64	10.90
22 11 16 00-0667	EA		1-1/2" Crimped Copper Reducing Coupling.....	24.33	12.03
22 11 16 00-0668	EA		2" Crimped Copper Reducing Coupling.....	27.09	13.36



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0669	EA		2-1/2" Crimped Copper FTG x C Reducing Coupling	43.10	15.96
	22 11 16 00-0670	EA		3" Crimped Copper FTG x C Reducing Coupling	52.60	18.79
	22 11 16 00-0671	EA		4" Crimped Copper FTG x C Reducing Coupling	68.84	24.83
22 11 16 00-0672	Crimped Copper Male Adapters (22 11 16 00-0613)					
	22 11 16 00-0673	EA		1/2" Crimped Copper Male Adapter	13.34	8.45
	22 11 16 00-0674	EA		3/4" Crimped Copper Male Adapter	15.66	9.64
	22 11 16 00-0675	EA		1" Crimped Copper Male Adapter	19.51	11.47
	22 11 16 00-0676	EA		1-1/4" Crimped Copper Male Adapter	23.99	12.66
	22 11 16 00-0677	EA		1-1/2" Crimped Copper Male Adapter	28.10	14.07
	22 11 16 00-0678	EA		2" Crimped Copper Male Adapter	38.81	16.88
	22 11 16 00-0679	EA		2-1/2" Crimped Copper Male Adapter	62.14	19.69
	22 11 16 00-0680	EA		3" Crimped Copper Male Adapter	76.18	23.42
	22 11 16 00-0681	EA		4" Crimped Copper Male Adapter	93.90	30.95
22 11 16 00-0682	Crimped Copper Female Adapters (22 11 16 00-0613)					
	22 11 16 00-0683	EA		1/2" Crimped Copper Female Adapter	13.49	8.45
	22 11 16 00-0684	EA		3/4" Crimped Copper Female Adapter	15.77	9.64
	22 11 16 00-0685	EA		1" Crimped Copper Female Adapter	19.71	11.47
	22 11 16 00-0686	EA		1-1/4" Crimped Copper Female Adapter	24.61	12.66
	22 11 16 00-0687	EA		1-1/2" Crimped Copper Female Adapter	29.26	14.07
	22 11 16 00-0688	EA		2" Crimped Copper Female Adapter	39.18	16.88
22 11 16 00-0689	Crimped Copper Caps (22 11 16 00-0613)					
	22 11 16 00-0690	EA		1/2" Crimped Copper Cap	7.53	4.22
	22 11 16 00-0691	EA		3/4" Crimped Copper Cap	9.42	4.93
	22 11 16 00-0692	EA		1" Crimped Copper Cap	11.58	5.62
	22 11 16 00-0693	EA		1-1/4" Crimped Copper Cap	13.03	6.33
	22 11 16 00-0694	EA		1-1/2" Crimped Copper Cap	16.39	7.25
	22 11 16 00-0695	EA		2" Crimped Copper Cap	19.33	8.45
	22 11 16 00-0696	EA		2-1/2" Crimped Copper Cap	36.09	9.85
	22 11 16 00-0697	EA		3" Crimped Copper Cap	44.56	11.75
	22 11 16 00-0698	EA		4" Crimped Copper Cap	59.15	15.48
22 11 16 00-0699	C x F NPT Crimped Bronze Unions (22 11 16 00-0613)					
	22 11 16 00-0700	EA		1/2" C x F NPT Crimped Bronze Union	20.75	11.47
	22 11 16 00-0701	EA		3/4" C x F NPT Crimped Bronze Union	25.69	14.14
	22 11 16 00-0702	EA		1" C x F NPT Crimped Bronze Union	32.90	16.95
	22 11 16 00-0703	EA		1-1/4" C x F NPT Crimped Bronze Union	38.89	19.55
	22 11 16 00-0704	EA		1-1/2" C x F NPT Crimped Bronze Union	43.61	19.14
	22 11 16 00-0705	EA		2" C x F NPT Crimped Bronze Union	61.25	27.72
22 11 16 00-0706	C x C Crimped Bronze Unions (22 11 16 00-0613)					
	22 11 16 00-0707	EA		1/2" C x C Bronze Crimped Union	17.05	8.45
	22 11 16 00-0708	EA		3/4" C x C Bronze Crimped Union	20.17	9.64
	22 11 16 00-0709	EA		1" C x C Bronze Crimped Union	26.42	11.47
	22 11 16 00-0710	EA		1-1/4" C x C Bronze Crimped Union	32.12	12.66
	22 11 16 00-0711	EA		1-1/2" C x C Bronze Crimped Union	38.92	14.07
	22 11 16 00-0712	EA		2" C x C Bronze Crimped Union	54.44	16.88
22 11 16 00-0713	C x Flange Crimped Bronze Flange (22 11 16 00-0613)					
	22 11 16 00-0714	EA		2-1/2" C x Flange Crimped Bronze Flange	91.87	19.69
	22 11 16 00-0715	EA		3" C x Flange Crimped Bronze Flange	102.25	23.42
	22 11 16 00-0716	EA		4" C x Flange Crimped Bronze Flange	121.52	30.95
22 11 16 00-0717	Field Installed FKM Seals (22 11 16 00-0613)					
	Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.					
	22 11 16 00-0718	EA		1/2" Field Installed FKM Seal	3.51	
	Note: To be used in conjunction with fittings.					
	22 11 16 00-0719	EA		3/4" Field Installed FKM Seal	4.23	
	Note: To be used in conjunction with fittings.					
	22 11 16 00-0720	EA		1" Field Installed FKM Seal	4.84	
	Note: To be used in conjunction with fittings.					
	22 11 16 00-0721	EA		1-1/4" Field Installed FKM Seal	5.50	
	Note: To be used in conjunction with fittings.					
	22 11 16 00-0722	EA		1-1/2" Field Installed FKM Seal	6.86	
	Note: To be used in conjunction with fittings.					
	22 11 16 00-0723	EA		2" Field Installed FKM Seal	7.82	
	Note: To be used in conjunction with fittings.					
	22 11 16 00-0724	EA		2-1/2" Field Installed FKM Seal	10.23	
	Note: To be used in conjunction with fittings.					
	22 11 16 00-0725	EA		3" Field Installed FKM Seal	11.96	
	Note: To be used in conjunction with fittings.					



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0726 EA 4" Field Installed FKM Seal..... Note: To be used in conjunction with fittings.	16.04	
22 11 16 00-0727 Cut And Prepare Existing In-Place Copper Pipe (22 11 16 00-0345)		
22 11 16 00-0728 EA Up To 1/2", Cut And Prepare Existing In Place Copper Pipe.....	7.03	
22 11 16 00-0729 EA 3/4", Cut And Prepare Existing In Place Copper Pipe.....	7.60	
22 11 16 00-0730 EA 1", Cut And Prepare Existing In Place Copper Pipe.....	8.55	
22 11 16 00-0731 EA 1-1/4", Cut And Prepare Existing In Place Copper Pipe.....	8.97	
22 11 16 00-0732 EA 1-1/2", Cut And Prepare Existing In Place Copper Pipe.....	9.49	
22 11 16 00-0733 EA 2", Cut And Prepare Existing In Place Copper Pipe.....	10.45	
22 11 16 00-0734 EA 2-1/2", Cut And Prepare Existing In Place Copper Pipe.....	11.26	
22 11 16 00-0735 EA 3", Cut And Prepare Existing In Place Copper Pipe.....	13.29	
22 11 16 00-0736 EA 4", Cut And Prepare Existing In Place Copper Pipe.....	17.94	
22 11 16 00-0737 EA 6", Cut And Prepare Existing In Place Copper Pipe.....	25.64	
22 11 16 00-0738 EA 8", Cut And Prepare Existing In Place Copper Pipe.....	34.19	
22 11 16 00-0739 Sweat Brass Companion Flanges (22 11 16 00-0345)		
22 11 16 00-0740 EA 1" Sweat Brass Companion Flange.....	28.15	10.82
22 11 16 00-0741 EA 1-1/4" Sweat Brass Companion Flange.....	30.79	11.92
22 11 16 00-0742 EA 1-1/2" Sweat Brass Companion Flange.....	41.06	12.95
22 11 16 00-0743 EA 2" Sweat Brass Companion Flange.....	52.78	14.38
22 11 16 00-0744 EA 2-1/2" Sweat Brass Companion Flange.....	66.06	17.29
22 11 16 00-0745 EA 3" Sweat Brass Companion Flange.....	75.55	22.67
22 11 16 00-0746 EA 4" Sweat Brass Companion Flange.....	98.47	27.01
22 11 16 00-0747 EA 5" Sweat Brass Companion Flange.....	185.19	31.89
22 11 16 00-0748 EA 6" Sweat Brass Companion Flange.....	224.59	46.33
22 11 16 00-0749 EA 8" Copper Companion Flange.....	469.67	66.09
22 11 16 00-0750 Brass Compression Fittings (22 11 16 00-0345)		
22 11 16 00-0751 Brass Compression Unions (22 11 16 00-0750)		
22 11 16 00-0752 EA 1/4" Brass Compression Union.....	12.13	7.60
22 11 16 00-0753 EA 3/8" Brass Compression Union.....	12.33	7.60
22 11 16 00-0754 EA 1/2" Brass Compression Union.....	12.94	7.60
22 11 16 00-0755 EA 5/8" Brass Compression Union.....	13.23	7.60
22 11 16 00-0756 EA 3/4" Brass Compression Union.....	15.63	7.60
22 11 16 00-0757 EA 3/8" x 1/4" Brass Compression Union.....	12.47	7.60
22 11 16 00-0758 EA 1/2" x 3/8" Brass Compression Union.....	12.99	7.60
22 11 16 00-0759 EA 5/8" x 3/8" Brass Compression Union.....	13.35	7.60
22 11 16 00-0760 EA 5/8" x 1/2" Brass Compression Union.....	13.93	7.60
22 11 16 00-0761 Brass Compression Union Elbows (22 11 16 00-0750)		
22 11 16 00-0762 EA 1/4" Brass Compression Union Elbow.....	12.94	7.60
22 11 16 00-0763 EA 3/8" Brass Compression Union Elbow.....	13.27	7.60
22 11 16 00-0764 EA 1/2" Brass Compression Union Elbow.....	13.99	7.60
22 11 16 00-0765 EA 5/8" Brass Compression Union Elbow.....	15.11	7.60
22 11 16 00-0766 EA 3/4" Brass Compression Union Elbow.....	19.47	7.60
22 11 16 00-0767 EA 3/8" x 1/4" Brass Compression Union Elbow.....	13.27	7.60
22 11 16 00-0768 EA 1/2" x 3/8" Brass Compression Union Elbow.....	13.99	7.60
22 11 16 00-0769 EA 5/8" x 3/8" Brass Compression Union Elbow.....	14.19	7.60
22 11 16 00-0770 EA 5/8" x 1/2" Brass Compression Union Elbow.....	17.47	7.60
22 11 16 00-0771 Brass Compression Union Tees (22 11 16 00-0750)		
22 11 16 00-0772 EA 1/4" Brass Compression Union Tee.....	13.19	7.60
22 11 16 00-0773 EA 3/8" Brass Compression Union Tee.....	13.87	7.60
22 11 16 00-0774 EA 1/2" Brass Compression Union Tee.....	14.59	7.60
22 11 16 00-0775 EA 5/8" Brass Compression Union Tee.....	16.87	7.60
22 11 16 00-0776 EA 3/4" Brass Compression Union Tee.....	24.75	7.60
22 11 16 00-0777 EA 3/8" x 3/8" x 1/4" Brass Compression Union Tee.....	14.35	7.60
22 11 16 00-0778 EA 1/2" x 1/2" x 3/8" Brass Compression Union Tee.....	18.05	7.60
22 11 16 00-0779 EA 5/8" x 5/8" x 3/8" Brass Compression Union Tee.....	17.69	7.60
22 11 16 00-0780 EA 5/8" x 5/8" x 1/2" Brass Compression Union Tee.....	18.11	7.60
22 11 16 00-0781 Brass Compression Male Connectors (22 11 16 00-0750)		
22 11 16 00-0782 EA 1/4" Brass Compression Male Connector.....	11.99	7.60
22 11 16 00-0783 EA 3/8" Brass Compression Male Connector.....	12.25	7.60
22 11 16 00-0784 EA 1/2" Brass Compression Male Connector.....	12.71	7.60
22 11 16 00-0785 EA 5/8" Brass Compression Male Connector.....	13.39	7.60
22 11 16 00-0786 EA 3/4" Brass Compression Male Connector.....	14.36	7.53
22 11 16 00-0787 Brass Compression Female Connectors (22 11 16 00-0750)		
22 11 16 00-0788 EA 1/4" Brass Compression Female Connector.....	12.28	7.60
22 11 16 00-0789 EA 3/8" Brass Compression Female Connector.....	12.62	7.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0790 EA 1/2" Brass Compression Female Connector.....	13.20	7.60
22 11 16 00-0791 EA 5/8" Brass Compression Female Connector.....	13.61	7.60
22 11 16 00-0792 EA 3/4" Brass Compression Female Connector.....	17.28	7.46
22 11 16 00-0793 Dielectric Fittings (22 11 16 00-0345)		
22 11 16 00-0794 Copper x Female Iron Pipe Thread Dielectric Unions (22 11 16 00-0793)		
22 11 16 00-0795 EA 1/2" Copper x Female Iron Pipe Thread Dielectric Union	31.10	16.88
22 11 16 00-0796 EA 3/4" Copper x Female Iron Pipe Thread Dielectric Union	34.61	19.28
22 11 16 00-0797 EA 1" Copper x Female Iron Pipe Thread Dielectric Union	41.78	21.18
22 11 16 00-0798 EA 1-1/4" Copper x Female Iron Pipe Thread Dielectric Union	51.44	23.31
22 11 16 00-0799 EA 1-1/2" Copper x Female Iron Pipe Thread Dielectric Union	62.99	25.91
22 11 16 00-0800 EA 2" Copper x Female Iron Pipe Thread Dielectric Union	80.65	31.09
22 11 16 00-0801 Female Brass Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0793)		
22 11 16 00-0802 EA 1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	34.75	16.88
22 11 16 00-0803 EA 3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	40.62	19.28
22 11 16 00-0804 EA 1" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	49.70	21.18
22 11 16 00-0805 EA 1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	61.95	23.31
22 11 16 00-0806 EA 1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	75.99	25.91
22 11 16 00-0807 EA 2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	95.90	31.09
22 11 16 00-0808 Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0793)		
22 11 16 00-0809 EA 1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	32.44	16.88
22 11 16 00-0810 EA 3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	36.81	19.28
22 11 16 00-0811 EA 1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	42.36	21.18
22 11 16 00-0812 EA 1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	49.41	23.31
22 11 16 00-0813 EA 1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	60.98	25.91
22 11 16 00-0814 EA 2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	79.03	31.09
22 11 16 00-0815 Copper x Female Iron Pipe Thread Dielectric Flanges (22 11 16 00-0793)		
22 11 16 00-0816 EA 2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange.....	194.87	79.92
22 11 16 00-0817 EA 3" Copper x Female Iron Pipe Thread Dielectric Flange.....	243.76	100.64
22 11 16 00-0818 EA 4" Copper x Female Iron Pipe Thread Dielectric Flange.....	345.41	136.97
22 11 16 00-0819 Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges (22 11 16 00-0793)		
22 11 16 00-0820 EA 2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	196.38	79.92
22 11 16 00-0821 EA 3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	255.72	100.64
22 11 16 00-0822 EA 4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	483.37	136.97
22 11 16 00-0823 Brass Push-Fit Fittings (22 11 16)		
22 11 16 00-0824 EA 1/4" x 1/4" Brass Push-Fit Coupling.....	14.63	7.03
Note: (Sharkbite)		
22 11 16 00-0825 EA 3/8" x 3/8" Brass Push-Fit Coupling.....	17.97	7.51
Note: (Sharkbite)		
22 11 16 00-0826 EA 1/2" x 1/2" Brass Push-Fit Coupling.....	18.73	8.45
Note: (Sharkbite)		
22 11 16 00-0827 EA 5/8" x 5/8" Brass Push-Fit Coupling.....	21.45	9.00
Note: (Sharkbite)		
22 11 16 00-0828 EA 3/4" x 3/4" Brass Push-Fit Coupling.....	21.93	9.62
Note: (Sharkbite)		
22 11 16 00-0829 EA 1" x 1" Brass Push-Fit Coupling.....	30.50	11.49
Note: (Sharkbite)		
22 11 16 00-0830 EA 1/2" x 3/8" Brass Push-Fit Reducing Coupling.....	18.35	7.97
Note: (Sharkbite)		
22 11 16 00-0831 EA 3/4" x 5/8" Brass Push-Fit Reducing Coupling.....	21.16	8.73
Note: (Sharkbite)		
22 11 16 00-0832 EA 1" x 3/4" Brass Push-Fit Reducing Coupling.....	31.13	10.55
Note: (Sharkbite)		
22 11 16 00-0833 EA 1/4" x 1/4" Brass Push-Fit Elbow	15.22	7.03
Note: (Sharkbite)		
22 11 16 00-0834 EA 3/8" x 3/8" Brass Push-Fit Elbow	20.49	7.51
Note: (Sharkbite)		
22 11 16 00-0835 EA 1/2" x 1/2" Brass Push-Fit Elbow	19.05	8.45
Note: (Sharkbite)		
22 11 16 00-0836 EA 5/8" x 5/8" Brass Push-Fit Elbow	22.91	9.00
Note: (Sharkbite)		
22 11 16 00-0837 EA 3/4" x 3/4" Brass Push-Fit Elbow	21.51	9.62
Note: (Sharkbite)		
22 11 16 00-0838 EA 1" x 1" Brass Push-Fit Elbow	30.82	11.49
Note: (Sharkbite)		
22 11 16 00-0839 EA 1/2" x 3/8" Brass Push-Fit Reducing Elbow	18.08	7.97
Note: (Sharkbite)		
22 11 16 00-0840 EA 3/4" x 1/2" Brass Push-Fit Reducing Elbow	20.12	8.73
Note: (Sharkbite)		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0841	EA	1" x 3/4" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	38.32	10.55
22 11 16 00-0842	EA	1/4" x 1/4" x 1/4" Brass Push-Fit Tee Note: (Sharkbite)	23.07	10.55
22 11 16 00-0843	EA	3/8" x 3/8" x 3/8" Brass Push-Fit Tee Note: (Sharkbite)	28.89	11.26
22 11 16 00-0844	EA	1/2" x 1/2" x 1/2" Brass Push-Fit Tee Note: (Sharkbite)	26.84	12.66
22 11 16 00-0845	EA	5/8" x 5/8" x 5/8" Brass Push-Fit Tee Note: (Sharkbite)	33.74	13.51
22 11 16 00-0846	EA	3/4" x 3/4" x 3/4" Brass Push-Fit Tee Note: (Sharkbite)	31.24	14.42
22 11 16 00-0847	EA	1" x 1" x 1" Brass Push-Fit Tee Note: (Sharkbite)	42.32	17.23
22 11 16 00-0848	EA	1/2" x 1/2" x 1/4" Brass Push-Fit Reducing Tee Note: (Sharkbite)	29.76	11.96
22 11 16 00-0849	EA	1/2" x 1/2" x 3/8" Brass Push-Fit Reducing Tee Note: (Sharkbite)	29.95	12.20
22 11 16 00-0850	EA	3/4" x 3/4" x 1/2" Brass Push-Fit Reducing Tee Note: (Sharkbite)	30.15	13.84
22 11 16 00-0851	EA	1" x 1" x 3/4" Brass Push-Fit Reducing Tee Note: (Sharkbite)	40.99	16.30
22 11 16 00-0852	EA	1/4" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	17.32	7.74
22 11 16 00-0853	EA	3/8" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	17.17	7.97
22 11 16 00-0854	EA	1/2" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	17.05	8.45
22 11 16 00-0855	EA	3/4" x 3/4" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	19.52	9.62
22 11 16 00-0856	EA	1" x 1" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	27.11	11.49
22 11 16 00-0857	EA	1/4" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	15.31	7.74
22 11 16 00-0858	EA	3/8" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	17.17	7.97
22 11 16 00-0859	EA	1/2" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	17.10	8.45
22 11 16 00-0860	EA	3/4" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	19.34	9.62
22 11 16 00-0861	EA	5/8" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	20.84	9.30
22 11 16 00-0862	EA	1" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	24.90	10.55
22 11 16 00-0863	EA	1" x 1" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	27.49	11.49
22 11 16 00-0864	EA	1/2" Brass Push-Fit Ball Valve Note: (Sharkbite)	24.04	8.45
22 11 16 00-0865	EA	3/4" Brass Push-Fit Ball Valve Note: (Sharkbite)	28.06	9.62
22 11 16 00-0866	EA	1" Brass Push-Fit Ball Valve Note: (Sharkbite)	36.88	11.49
22 11 16 00-0867	EA	1/2" Brass Push-Fit Check Valve Note: (Sharkbite)	25.66	8.45
22 11 16 00-0868	EA	3/4" Brass Push-Fit Check Valve Note: (Sharkbite)	30.80	9.62
22 11 16 00-0869	EA	1" Brass Push-Fit Check Valve Note: (Sharkbite)	51.12	11.49
22 11 16 00-0870		Copper Pipe Assemblies <small>(22 11 16)</small> Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.		
22 11 16 00-0871	LF	1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 1.00 <i>For Type M Tubing Instead Of Type L, Deduct</i> -0.83 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 1.81 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -1.26 <i>For Work In Restricted Working Space, Add</i> 3.30	14.23	1.97
22 11 16 00-0872	LF	3/4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 1.17 <i>For Type M Tubing Instead Of Type L, Deduct</i> -0.96 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 2.06 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -1.44 <i>For Work In Restricted Working Space, Add</i> 3.74	16.33	2.53



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0873	LF		1" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	17.95	3.02
			<i>For Type K Tubing Instead Of Type L, Add</i>	1.37	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-1.11	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.20	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.55	
			<i>For Work In Restricted Working Space, Add</i>	3.92	
22 11 16 00-0874	LF		1-1/4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	20.37	3.52
			<i>For Type K Tubing Instead Of Type L, Add</i>	1.73	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-1.36	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.38	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.70	
			<i>For Work In Restricted Working Space, Add</i>	4.07	
			<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-0.68	
22 11 16 00-0875	LF		1-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	23.28	4.01
			<i>For Type K Tubing Instead Of Type L, Add</i>	2.11	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-1.64	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.61	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.89	
			<i>For Work In Restricted Working Space, Add</i>	4.34	
			<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-0.88	
22 11 16 00-0876	LF		2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	33.18	5.00
			<i>For Type K Tubing Instead Of Type L, Add</i>	3.55	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-2.65	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.33	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.49	
			<i>For Work In Restricted Working Space, Add</i>	5.00	
			<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-1.65	
22 11 16 00-0877	LF		2-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	40.80	6.02
			<i>For Type K Tubing Instead Of Type L, Add</i>	4.71	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-3.47	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.83	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.93	
			<i>For Work In Restricted Working Space, Add</i>	5.36	
			<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-2.29	
22 11 16 00-0878	LF		3" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	48.37	7.00
			<i>For Type K Tubing Instead Of Type L, Add</i>	5.84	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-4.26	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.35	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.39	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
			<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-2.90	
22 11 16 00-0879	LF		4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	71.59	9.26
			<i>For Type K Tubing Instead Of Type L, Add</i>	9.12	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-6.59	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.08	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.83	
			<i>For Work In Restricted Working Space, Add</i>	7.51	
			<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-4.66	
22 11 16 00-0880	LF		5" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	161.45	11.53
			<i>For Type K Tubing Instead Of Type L, Add</i>	23.84	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-16.80	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.28	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.68	
			<i>For Work In Restricted Working Space, Add</i>	9.64	
			<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-12.93	
22 11 16 00-0881	LF		6" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	190.99	13.93
			<i>For Type K Tubing Instead Of Type L, Add</i>	27.83	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-19.65	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.63	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-11.59	
			<i>For Work In Restricted Working Space, Add</i>	12.24	
			<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-15.02	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0882	LF		8" Inside Diameter Copper Pipe/Tubing Type L Assembly .....363.02		16.65
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Type K Tubing Instead Of Type L, Add</i>	56.50	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-39.51	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	23.22	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-20.69	
			<i>For Work In Restricted Working Space, Add</i>	15.21	
			<i>For Drain-Waste-Vent (DWW) Tubing Instead Of Type L, Deduct</i>	-31.23	
22 11 16 00-0883			Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16)		
			Note: Socket weld.		
22 11 16 00-0884			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16 00-0883)		
22 11 16 00-0885			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe (22 11 16 00-0884)		
22 11 16 00-0886	LF		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....3.69		1.04
			<i>For Work In Restricted Working Space, Add</i>	0.77	
22 11 16 00-0887	LF		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....4.23		1.09
			<i>For Work In Restricted Working Space, Add</i>	0.82	
22 11 16 00-0888	LF		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....5.14		1.17
			<i>For Work In Restricted Working Space, Add</i>	0.88	
22 11 16 00-0889	LF		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....6.26		1.28
			<i>For Work In Restricted Working Space, Add</i>	0.96	
22 11 16 00-0890	LF		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....7.25		1.41
			<i>For Work In Restricted Working Space, Add</i>	1.06	
22 11 16 00-0891	LF		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....9.07		1.58
			<i>For Work In Restricted Working Space, Add</i>	1.18	
22 11 16 00-0892	LF		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....12.34		1.80
			<i>For Work In Restricted Working Space, Add</i>	1.35	
22 11 16 00-0893	LF		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....15.79		2.13
			<i>For Work In Restricted Working Space, Add</i>	1.59	
22 11 16 00-0894	LF		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....21.90		2.61
			<i>For Work In Restricted Working Space, Add</i>	1.96	
22 11 16 00-0895	LF		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....38.06		3.32
			<i>For Work In Restricted Working Space, Add</i>	2.49	
22 11 16 00-0896	LF		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....54.78		4.36
			<i>For Work In Restricted Working Space, Add</i>	3.26	
22 11 16 00-0897			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows (22 11 16 00-0894)		
22 11 16 00-0898	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....14.03		4.92
			<i>For Work In Restricted Working Space, Add</i>	3.69	
22 11 16 00-0899	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....18.22		6.22
			<i>For Work In Restricted Working Space, Add</i>	4.66	
22 11 16 00-0900	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....23.73		7.77
			<i>For Work In Restricted Working Space, Add</i>	5.85	
22 11 16 00-0901	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....32.52		9.71
			<i>For Work In Restricted Working Space, Add</i>	7.31	
22 11 16 00-0902	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....36.17		10.75
			<i>For Work In Restricted Working Space, Add</i>	8.08	
22 11 16 00-0903	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....42.49		10.75
			<i>For Work In Restricted Working Space, Add</i>	9.02	
22 11 16 00-0904	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....66.59		13.66
			<i>For Work In Restricted Working Space, Add</i>	10.26	
22 11 16 00-0905	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....75.62		16.20
			<i>For Work In Restricted Working Space, Add</i>	12.13	
22 11 16 00-0906	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....108.44		19.89
			<i>For Work In Restricted Working Space, Add</i>	14.92	
22 11 16 00-0907	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....136.79		25.26
			<i>For Work In Restricted Working Space, Add</i>	18.96	
22 11 16 00-0908	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....262.98		33.16
			<i>For Work In Restricted Working Space, Add</i>	24.87	
22 11 16 00-0909			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows (22 11 16 00-0894)		
22 11 16 00-0910	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....14.89		4.92
			<i>For Work In Restricted Working Space, Add</i>	3.69	
22 11 16 00-0911	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....19.26		6.22
			<i>For Work In Restricted Working Space, Add</i>	4.66	
22 11 16 00-0912	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....25.41		7.77
			<i>For Work In Restricted Working Space, Add</i>	5.85	
22 11 16 00-0913	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....34.73		9.71
			<i>For Work In Restricted Working Space, Add</i>	7.31	
22 11 16 00-0914	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....38.85		10.75
			<i>For Work In Restricted Working Space, Add</i>	8.08	
22 11 16 00-0915	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....43.40		12.05
			<i>For Work In Restricted Working Space, Add</i>	9.02	
22 11 16 00-0916	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....67.17		13.66
			<i>For Work In Restricted Working Space, Add</i>	10.26	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0917	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	75.54 12.13	16.20
	22 11 16 00-0918	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	97.92 14.92	19.89
	22 11 16 00-0919	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	156.51 18.96	25.26
	22 11 16 00-0920	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	276.95 24.87	33.16
22 11 16 00-0921	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees <small>(22 11 16 00-0884)</small>					
	22 11 16 00-0922	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	21.59 5.54	7.38
	22 11 16 00-0923	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	28.32 6.99	9.33
	22 11 16 00-0924	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	35.43 8.78	11.72
	22 11 16 00-0925	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	49.51 10.96	14.63
	22 11 16 00-0926	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	55.30 12.13	16.20
	22 11 16 00-0927	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	67.27 13.52	18.00
	22 11 16 00-0928	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	87.76 15.39	20.53
	22 11 16 00-0929	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	100.29 18.19	24.22
	22 11 16 00-0930	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	121.47 22.38	29.86
	22 11 16 00-0931	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	186.38 28.44	37.96
	22 11 16 00-0932	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	386.51 37.31	49.74
22 11 16 00-0933	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses <small>(22 11 16 00-0884)</small>					
	22 11 16 00-0934	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	27.32 7.39	9.84
	22 11 16 00-0935	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	35.40 9.33	12.43
	22 11 16 00-0936	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	44.30 11.70	15.61
	22 11 16 00-0937	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	59.90 14.61	19.49
	22 11 16 00-0938	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	66.70 16.16	21.57
	22 11 16 00-0939	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	79.22 18.03	24.03
	22 11 16 00-0940	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	99.79 20.52	27.33
	22 11 16 00-0941	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	114.99 24.25	32.32
	22 11 16 00-0942	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	139.84 29.84	39.76
	22 11 16 00-0943	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	205.29 37.93	50.58
	22 11 16 00-0944	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	391.60 49.74	66.32
22 11 16 00-0945	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts <small>(22 11 16 00-0884)</small>					
	22 11 16 00-0946	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	12.43 3.42	4.54
	22 11 16 00-0947	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	17.36 4.61	6.15
	22 11 16 00-0948	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	29.28 6.02	8.03
	22 11 16 00-0949	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	33.08 6.67	8.87
	22 11 16 00-0950	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	39.07 7.44	9.91
	22 11 16 00-0951	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	42.50 8.47	11.27
	22 11 16 00-0952	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	51.62 10.01	13.34
	22 11 16 00-0953	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	70.32 12.32	16.39
	22 11 16 00-0954	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	114.46 15.64	20.85
	22 11 16 00-0955	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	255.90 20.52	27.33



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 16 00-0956	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts (22 11 16 00-0884)			
22 11 16 00-0957	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	14.86	3.24
		<i>For Work In Restricted Working Space, Add</i>	2.43	
22 11 16 00-0958	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	18.68	4.54
		<i>For Work In Restricted Working Space, Add</i>	3.42	
22 11 16 00-0959	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	23.16	6.15
		<i>For Work In Restricted Working Space, Add</i>	4.61	
22 11 16 00-0960	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	28.78	8.03
		<i>For Work In Restricted Working Space, Add</i>	6.02	
22 11 16 00-0961	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	33.82	8.87
		<i>For Work In Restricted Working Space, Add</i>	6.67	
22 11 16 00-0962	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	42.76	9.91
		<i>For Work In Restricted Working Space, Add</i>	7.44	
22 11 16 00-0963	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	66.60	11.27
		<i>For Work In Restricted Working Space, Add</i>	8.47	
22 11 16 00-0964	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	133.56	13.34
		<i>For Work In Restricted Working Space, Add</i>	10.01	
22 11 16 00-0965	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	198.98	16.39
		<i>For Work In Restricted Working Space, Add</i>	12.32	
22 11 16 00-0966	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters (22 11 16 00-0884)			
22 11 16 00-0967	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	10.69	3.24
		<i>For Work In Restricted Working Space, Add</i>	2.43	
22 11 16 00-0968	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	14.90	4.54
		<i>For Work In Restricted Working Space, Add</i>	3.42	
22 11 16 00-0969	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	21.24	6.15
		<i>For Work In Restricted Working Space, Add</i>	4.61	
22 11 16 00-0970	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	28.78	8.03
		<i>For Work In Restricted Working Space, Add</i>	6.02	
22 11 16 00-0971	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	33.99	8.87
		<i>For Work In Restricted Working Space, Add</i>	6.67	
22 11 16 00-0972	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	40.72	9.91
		<i>For Work In Restricted Working Space, Add</i>	7.44	
22 11 16 00-0973	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	58.36	11.27
		<i>For Work In Restricted Working Space, Add</i>	8.47	
22 11 16 00-0974	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	69.78	13.34
		<i>For Work In Restricted Working Space, Add</i>	10.01	
22 11 16 00-0975	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	102.64	16.39
		<i>For Work In Restricted Working Space, Add</i>	12.32	
22 11 16 00-0976	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters (22 11 16 00-0884)			
22 11 16 00-0977	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	11.67	3.24
		<i>For Work In Restricted Working Space, Add</i>	2.43	
22 11 16 00-0978	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	15.21	4.54
		<i>For Work In Restricted Working Space, Add</i>	3.42	
22 11 16 00-0979	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	21.33	6.15
		<i>For Work In Restricted Working Space, Add</i>	4.61	
22 11 16 00-0980	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	29.07	8.03
		<i>For Work In Restricted Working Space, Add</i>	6.02	
22 11 16 00-0981	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	32.67	8.87
		<i>For Work In Restricted Working Space, Add</i>	6.67	
22 11 16 00-0982	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	39.64	9.91
		<i>For Work In Restricted Working Space, Add</i>	7.44	
22 11 16 00-0983	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	58.98	11.27
		<i>For Work In Restricted Working Space, Add</i>	8.47	
22 11 16 00-0984	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	80.66	13.34
		<i>For Work In Restricted Working Space, Add</i>	10.01	
22 11 16 00-0985	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	121.13	16.39
		<i>For Work In Restricted Working Space, Add</i>	12.32	
22 11 16 00-0986	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings (22 11 16 00-0884)			
22 11 16 00-0987	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	9.58	2.97
		<i>For Work In Restricted Working Space, Add</i>	2.21	
22 11 16 00-0988	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	13.48	4.14
		<i>For Work In Restricted Working Space, Add</i>	3.11	
22 11 16 00-0989	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	18.12	5.57
		<i>For Work In Restricted Working Space, Add</i>	4.18	
22 11 16 00-0990	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	24.51	7.32
		<i>For Work In Restricted Working Space, Add</i>	5.48	
22 11 16 00-0991	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	28.09	8.10
		<i>For Work In Restricted Working Space, Add</i>	6.06	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0992	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	31.69 6.76	9.01
22 11 16 00-0993	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	47.59 7.69	10.24
22 11 16 00-0994	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	52.47 9.09	12.11
22 11 16 00-0995	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	66.34 11.19	14.89
22 11 16 00-0996	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	104.70 14.22	18.98
22 11 16 00-0997	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	178.26 18.65	24.87
22 11 16 00-0998			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions (22 11 16 00-0884)		
22 11 16 00-0999	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	18.26 2.66	3.56
22 11 16 00-1000	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	22.28 3.73	4.99
22 11 16 00-1001	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	26.87 5.01	6.68
22 11 16 00-1002	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	45.78 6.57	8.74
22 11 16 00-1003	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	48.54 7.27	9.71
22 11 16 00-1004	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	67.43 8.12	10.82
22 11 16 00-1005	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	114.44 9.23	12.30
22 11 16 00-1006	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	162.83 10.92	14.57
22 11 16 00-1007	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	259.69 13.43	17.88
22 11 16 00-1008	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	347.15 17.06	22.73
22 11 16 00-1009	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	429.21 22.38	29.86
22 11 16 00-1010			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps (22 11 16 00-0884)		
22 11 16 00-1011	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	5.94 0.74	0.97
22 11 16 00-1012	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	10.12 1.55	2.08
22 11 16 00-1013	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	17.07 2.51	3.37
22 11 16 00-1014	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	18.70 2.74	3.63
22 11 16 00-1015	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	19.85 3.03	4.01
22 11 16 00-1016	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	26.97 3.38	4.54
22 11 16 00-1017	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	41.10 3.85	5.11
22 11 16 00-1018	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	44.08 4.55	6.09
22 11 16 00-1019	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	67.44 5.60	7.45
22 11 16 00-1020	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	145.09 7.11	9.46
22 11 16 00-1021	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	186.95 9.33	12.43
22 11 16 00-1022			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges (22 11 16 00-0884)		
22 11 16 00-1023	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	14.28 1.77	2.33
22 11 16 00-1024	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	17.28 2.49	3.31
22 11 16 00-1025	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	21.15 3.34	4.47
22 11 16 00-1026	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	24.93 4.39	5.83
22 11 16 00-1027	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	26.74 4.86	6.47
22 11 16 00-1028	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	32.02 5.40	7.19
22 11 16 00-1029	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	42.41 6.16	8.23
22 11 16 00-1030	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	48.08 7.27	9.71
22 11 16 00-1031	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	60.10 8.96	11.92

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1032	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	85.50 11.39	15.16
22 11 16 00-1033	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	156.98 14.92	19.89
22 11 16 00-1034			Cross-Linked Polyethylene Tubing, ASTM F877 (22 11 16) Note: Aboveground, domestic water usage.		
22 11 16 00-1035			Cross-Linked Polyethylene Tubing (22 11 16 00-1034)		
22 11 16 00-1036	LF		3/8" Cross-Linked Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	2.39 0.61	
22 11 16 00-1037	LF		1/2" Cross-Linked Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	2.59 0.66	
22 11 16 00-1038	LF		3/4" Cross-Linked Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	3.09 0.71	
22 11 16 00-1039	LF		1" Cross-Linked Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	3.73 0.75	
22 11 16 00-1040			Cross-Linked Polyethylene Forged Brass PEX Fittings (22 11 16 00-1034) Note: Aboveground, domestic water usage.		
22 11 16 00-1041			Male Adapters (22 11 16 00-1040)		
22 11 16 00-1042	EA		3/8" x 1/2", (PE x Threaded) Male Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	11.99 3.17	
22 11 16 00-1043	EA		1/2" x 1/2", (PE x Threaded) Male Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	12.87 3.38	
22 11 16 00-1044	EA		1/2" x 3/4", (PE x Threaded) Male Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	13.90 3.59	
22 11 16 00-1045	EA		3/4" x 3/4", (PE x Threaded) Male Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	14.60 3.80	
22 11 16 00-1046	EA		3/4" x 1/2", (PE x Threaded) Male Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	13.90 3.59	
22 11 16 00-1047	EA		1" x 1", (PE x Threaded) Male Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	17.49 4.22	
22 11 16 00-1048			Female Adapters (22 11 16 00-1040)		
22 11 16 00-1049	EA		1/2" x 1/2", (PE x Threaded) Female Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	13.03 3.38	
22 11 16 00-1050	EA		1/2" x 3/4", (PE x Threaded) Female Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	14.36 3.59	
22 11 16 00-1051	EA		3/4" x 3/4", (PE x Threaded) Female Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	15.06 3.80	
22 11 16 00-1052	EA		3/4" x 1/2", (PE x Threaded) Female Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	14.36 3.59	
22 11 16 00-1053	EA		1" x 1", (PE x Threaded) Female Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	17.70 4.22	
22 11 16 00-1054			Tube Adapters (22 11 16 00-1040)		
22 11 16 00-1055	EA		3/8" x 1/2" Tube Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	11.31 3.17	
22 11 16 00-1056	EA		1/2" Tube Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	12.02 3.38	
22 11 16 00-1057	EA		3/4" Tube Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	14.06 3.80	
22 11 16 00-1058	EA		1" Tube Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	17.06 4.22	
22 11 16 00-1059			Plugs (22 11 16 00-1040)		
22 11 16 00-1060	EA		3/8" Plug For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	5.52 1.48	
22 11 16 00-1061	EA		1/2" Plug For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	6.21 1.69	
22 11 16 00-1062	EA		3/4" Plug For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	7.09 1.90	
22 11 16 00-1063	EA		1" Plug For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	8.43 2.11	
22 11 16 00-1064			Tees (22 11 16 00-1040)		
22 11 16 00-1065	EA		3/8" Tee For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	16.01 4.43	
22 11 16 00-1066	EA		1/2" Tee For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	18.11 5.06	
22 11 16 00-1067	EA		3/4" Tee For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	21.07 5.70	
22 11 16 00-1068	EA		1" Tee For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	25.53 6.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1069 EA 1/2" Reducing Tee For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	17.41 4.85	
22 11 16 00-1070 EA 3/4" Reducing Tee For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	19.66 5.28	
22 11 16 00-1071 EA 1" Reducing Tee For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	23.10 5.70	
22 11 16 00-1072 Couplings (22 11 16 00-1040)		
22 11 16 00-1073 EA 3/8" Coupling For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	10.48 2.96	
22 11 16 00-1074 EA 1/2" Coupling For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	11.93 3.38	
22 11 16 00-1075 EA 3/4" Coupling For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	13.54 3.80	
22 11 16 00-1076 EA 1" Coupling For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	15.93 4.22	
22 11 16 00-1077 EA 3/4" x 1/2" Reducing Coupling For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	12.84 3.59	
22 11 16 00-1078 EA 1" x 3/4" Reducing Coupling For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	15.22 4.01	
22 11 16 00-1079 Fitting Reducers (22 11 16 00-1040)		
22 11 16 00-1080 EA 3/8" x 1/2" Fitting Reducer For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	11.43 3.17	
22 11 16 00-1081 EA 1/2" Fitting Reducer For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	12.14 3.38	
22 11 16 00-1082 EA 3/4" Fitting Reducer For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	14.31 3.80	
22 11 16 00-1083 EA 1" Fitting Reducer For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	18.50 4.22	
22 11 16 00-1084 90 Degree Elbows (22 11 16 00-1040)		
22 11 16 00-1085 EA 3/8" 90 Degree Elbow For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	10.86 2.96	
22 11 16 00-1086 EA 1/2" 90 Degree Elbow For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	12.27 3.38	
22 11 16 00-1087 EA 3/4" 90 Degree Elbow For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	14.31 3.80	
22 11 16 00-1088 EA 3/4" x 1/2" 90 Degree Elbow For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	13.61 3.59	
22 11 16 00-1089 EA 1/2" Drop 90 Degree Elbow For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	14.89 3.38	
22 11 16 00-1090 EA 3/4" Drop 90 Degree Elbow For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	16.67 3.80	
22 11 16 00-1091 EA 3/4" x 1/2" Drop 90 Degree Elbow For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	15.97 3.59	
22 11 19 Domestic Water Piping Specialties (22 11)		
22 11 19 00-0001 Rubber Hose And Clamps (22 11 19)		
22 11 19 00-0002 General Purpose Hose (22 11 19 00-0001)		
Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.		
22 11 19 00-0003 LF 3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	6.54	1.40
22 11 19 00-0004 LF 1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	6.61	1.40
22 11 19 00-0005 LF 5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	6.77	1.40
22 11 19 00-0006 LF 3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	6.73	1.40
22 11 19 00-0007 LF 1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	8.52	2.10
22 11 19 00-0008 LF 1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	9.65	2.10
22 11 19 00-0009 LF 1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	11.30	2.80
22 11 19 00-0010 Chemical Resistant Rubber Hoses (22 11 19 00-0001)		
22 11 19 00-0011 EA 50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose	994.97	158.12
22 11 19 00-0012 EA 50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose.....	1,439.66	158.12
22 11 19 00-0013 Water Pump Hose (22 11 19 00-0001)		
22 11 19 00-0014 EA 2" Inside Diameter, 20' Rubber Discharge Hose.....	167.35	42.82
22 11 19 00-0015 EA 2" Inside Diameter, 20' Rubber Intake Hose.....	173.67	42.82
22 11 19 00-0016 Serrated Shank Nipple (22 11 19 00-0001)		
Note: For use as medium pressure coupling.		
22 11 19 00-0017 EA 3/8" Inside Diameter Hose x 1/2" Male Pipe Thread Serrated Shank Nipple.....	15.33	3.51
22 11 19 00-0018 EA 1/2" Inside Diameter Hose x 5/8" Male Pipe Thread Serrated Shank Nipple.....	15.25	3.51
22 11 19 00-0019 EA 5/8" Inside Diameter Hose x 3/4" Male Pipe Thread Serrated Shank Nipple.....	15.25	3.51
22 11 19 00-0020 EA 3/4" Inside Diameter Hose x 1" Male Pipe Thread Serrated Shank Nipple.....	19.39	4.90

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0021 EA 1" Inside Diameter Hose x 1-1/4" Male Pipe Thread Serrated Shank Nipple.....	20.42	4.90
22 11 19 00-0022 EA 1-1/4" Inside Diameter Hose x 1-1/2" Male Pipe Thread Serrated Shank Nipple.....	38.40	9.12
22 11 19 00-0023 EA 1-1/2" Inside Diameter Hose x 2" Male Pipe Thread Serrated Shank Nipple.....	47.59	11.22
22 11 19 00-0024 Worm-Drive Hose Clamp (22 11 19 00-0001)		
22 11 19 00-0025 EA 3/8" To 1" Diameter Worm Drive Hose Clamp	7.19	2.10
22 11 19 00-0026 EA 1/2" To 1-1/6" Diameter Worm Drive Hose Clamp	7.61	2.10
22 11 19 00-0027 EA 5/8" To 1-1/2" Diameter Worm Drive Hose Clamp	8.06	2.10
22 11 19 00-0028 EA 3/4" To 2" Diameter Worm Drive Hose Clamp	8.58	2.10
22 11 19 00-0029 EA 1" To 2-1/2" Diameter Worm Drive Hose Clamp	9.19	2.10
22 11 19 00-0030 EA 1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp.....	9.93	2.80
22 11 19 00-0031 EA 1-1/2" To 3" Diameter Worm Drive Hose Clamp	10.73	2.80
22 11 19 00-0032 Trap Primer And Accessories (22 11 19)		
22 11 19 00-0033 Trap Primer (22 11 19 00-0032)		
22 11 19 00-0034 EA 1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699).....	135.03	10.55
22 11 19 00-0035 EA 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500).....	83.37	7.03
22 11 19 00-0036 EA 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500).....	80.96	7.03
22 11 19 00-0037 Trap Primer Distribution Unit (22 11 19 00-0032)		
22 11 19 00-0038 EA Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U).....	77.94	14.07
Note: Can be used for two, three or four drains.		
22 11 19 00-0039 EA Copper Four Opening Trap Primer Distribution Unit (PPP DU-4)	84.43	14.07
Note: Can be used for two, three or four drains.		
22 11 19 00-0040 Trap Primer Manifold (22 11 19 00-0032)		
22 11 19 00-0041 EA Two Outlet Manifold.....	109.49	18.93
22 11 19 00-0042 EA Four Outlet Manifold	162.17	21.53
22 11 19 00-0043 EA Six Outlet Manifold.....	213.03	22.80
22 11 19 00-0044 EA Eight Outlet Manifold.....	267.01	26.73
22 11 19 00-0045 Sewage Air Release Valves (22 11 19)		
22 11 19 00-0046 Cast Iron, Sewage Air Release Valves (22 11 19 00-0045)		
Note: Stainless steel float.		
22 11 19 00-0047 EA 2" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400).....	674.21	25.69
For Back Flush Attachment, Add	650.00	
22 11 19 00-0048 EA 3" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400).....	823.64	42.93
For Back Flush Attachment, Add	650.00	
22 11 19 00-0049 EA 4" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400).....	1,044.50	54.20
For Back Flush Attachment, Add	650.00	
22 11 19 00-0050 Cast Iron, Sewage Air Vacuum Valves (22 11 19 00-0045)		
Note: Stainless steel float.		
22 11 19 00-0051 EA 2" x 1" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401).....	689.04	25.69
For Back Flush Attachment, Add	650.00	
22 11 19 00-0052 EA 2" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402).....	1,360.08	25.69
For Back Flush Attachment, Add	650.00	
22 11 19 00-0053 EA 3" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403).....	1,628.15	42.93
For Back Flush Attachment, Add	650.00	
22 11 19 00-0054 EA 4" NPT x 4" With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404)	2,414.38	54.20
22 11 19 00-0055 Cast Iron, Sewage Combination Air Valves (22 11 19 00-0045)		
Note: Stainless steel float.		
22 11 19 00-0056 EA 2" x 1" NPT, Sewage Combination Air Valve (Apco 443).....	1,482.43	25.69
22 11 19 00-0057 EA 2" x 2" NPT, Sewage Combination Air Valve (Apco 445).....	2,047.80	25.69
22 11 19 00-0058 EA 3" x 3" NPT, Sewage Combination Air Valve (Apco 447).....	2,391.87	42.93
22 11 19 00-0059 EA 4" x 4" NPT, Sewage Combination Air Valve (Apco 449).....	2,924.15	54.20
22 11 19 00-0060 Brass, Anti Siphon Vacuum Breakers (22 11 19)		
Note: Watts 288A		
22 11 19 00-0061 EA 1/2" Brass, Anti Siphon Vacuum Breaker.....	55.72	17.59
22 11 19 00-0062 EA 3/4" Brass, Anti Siphon Vacuum Breaker.....	63.61	19.69
22 11 19 00-0063 EA 1" Brass, Anti Siphon Vacuum Breaker.....	119.26	22.52
22 11 19 00-0064 EA 1-1/4" Brass, Anti Siphon Vacuum Breaker	183.68	26.03
22 11 19 00-0065 EA 1-1/2" Brass, Anti Siphon Vacuum Breaker	218.97	28.84
22 11 19 00-0066 EA 2" Brass, Anti Siphon Vacuum Breaker.....	315.73	35.17
22 11 19 00-0067 EA 2-1/2" Brass, Anti Siphon Vacuum Breaker	798.36	43.96
22 11 19 00-0068 Anti Siphon Pressure Vacuum Breakers (22 11 19)		
Note: Watts 800M4QT		
22 11 19 00-0069 EA 1/2" Anti Siphon Pressure Type Vacuum Breaker	142.76	17.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0070 EA 3/4" Anti Siphon Pressure Type Vacuum Breaker	127.36	19.69
22 11 19 00-0071 EA 1" Anti Siphon Pressure Type Vacuum Breaker	178.47	22.52
22 11 19 00-0072 EA 1-1/4" Anti Siphon Pressure Type Vacuum Breaker	313.93	26.03
22 11 19 00-0073 EA 1-1/2" Anti Siphon Pressure Type Vacuum Breaker	381.52	28.84
22 11 19 00-0074 EA 2" Anti Siphon Pressure Type Vacuum Breaker	388.54	35.17
22 11 19 00-0075 Bellows Type Water Hammer Arrestors (22 11 19)		
22 11 19 00-0076 EA Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	126.13	8.42
22 11 19 00-0077 EA >11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	242.80	10.18
22 11 19 00-0078 EA >32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	353.07	10.18
22 11 19 00-0079 EA >60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	854.49	10.18
22 11 19 00-0080 EA >113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	961.90	10.18
22 11 19 00-0081 EA >154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	1,177.34	10.18
22 11 19 00-0082 Piston Type Water Hammer Arrestors (22 11 19)		
22 11 19 00-0083 Threaded Piston Type Water Hammer Arrestors (22 11 19 00-0082)		
22 11 19 00-0084 EA Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A)	75.92	4.69
22 11 19 00-0085 EA >11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B)	143.92	5.41
22 11 19 00-0086 EA >32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C)	212.72	5.87
22 11 19 00-0087 EA >60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D)	519.65	7.56
22 11 19 00-0088 EA >113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E)	633.00	9.38
22 11 19 00-0089 EA >154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F)	720.04	10.18
22 11 19 00-0090 Escutcheons (22 11 19)		
22 11 19 00-0091 Brass Escutcheons (22 11 19 00-0090)		
22 11 19 00-0092 Shallow Brass Escutcheons (22 11 19 00-0091)		
22 11 19 00-0093 EA 3/8" IPS, Antique Or Polished Brass Shallow Escutcheon	9.31	1.75
22 11 19 00-0094 EA 1/2" IPS, Antique Or Polished Brass Shallow Escutcheon	10.14	1.75
22 11 19 00-0095 Deep Bell Brass Escutcheons (22 11 19 00-0091)		
22 11 19 00-0096 EA 3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon	11.22	1.97
22 11 19 00-0097 EA 1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon	11.24	1.97
22 11 19 00-0098 Chrome Plated Brass Escutcheons With Setscrew (22 11 19 00-0091)		
22 11 19 00-0099 EA 3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	11.70	1.75
22 11 19 00-0100 EA 1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	11.82	1.75
22 11 19 00-0101 EA 5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	11.99	1.75
22 11 19 00-0102 EA 3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	12.61	1.75
22 11 19 00-0103 EA 7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	12.83	2.11
22 11 19 00-0104 EA 1" IPS, Chrome Plated Brass Escutcheon With Setscrew	13.43	2.11
22 11 19 00-0105 EA 1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	13.96	2.32
22 11 19 00-0106 EA 1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	14.63	2.46
22 11 19 00-0107 EA 2" IPS, Chrome Plated Brass Escutcheon With Setscrew	20.73	2.81
22 11 19 00-0108 Plastic Escutcheons (22 11 19 00-0090)		
22 11 19 00-0109 Split-Ring White Plastic Escutcheons (22 11 19 00-0108)		
22 11 19 00-0110 EA 3/8" IPS, Split-Ring White Plastic Escutcheon	3.74	1.75
22 11 19 00-0111 EA 1/2" IPS, Split-Ring White Plastic Escutcheon	3.74	1.75
22 11 19 00-0112 EA 3/4" IPS, Split-Ring White Plastic Escutcheon	4.20	1.96
22 11 19 00-0113 EA 1" IPS, Split-Ring White Plastic Escutcheon	4.56	2.10
22 11 19 00-0114 EA 1-1/4" IPS, Split-Ring White Plastic Escutcheon	4.94	2.31
22 11 19 00-0115 EA 1-1/2" IPS, Split-Ring White Plastic Escutcheon	5.30	2.45
22 11 19 00-0116 EA 2" IPS, Split-Ring White Plastic Escutcheon	6.04	2.80
22 11 19 00-0117 EA 2-1/2" IPS, Split-Ring White Plastic Escutcheon	6.88	3.02
22 11 19 00-0118 EA 3" IPS, Split-Ring White Plastic Escutcheon	7.72	3.16
22 11 19 00-0119 EA 4" IPS, Split-Ring White Plastic Escutcheon	8.90	3.51
22 11 19 00-0120 Chrome Plate Plastic Escutcheons (22 11 19 00-0108)		
22 11 19 00-0121 EA 1/2" IPS, Chrome Plate Plastic Escutcheon	4.15	1.75



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0122	EA		3/4" IPS, Chrome Plate Plastic Escutcheon.....	4.55	1.96
22 11 19 00-0123	EA		1" IPS, Chrome Plate Plastic Escutcheon.....	5.01	2.10
22 11 19 00-0124	EA		1-1/4" IPS, Chrome Plate Plastic Escutcheon.....	5.48	2.31
22 11 19 00-0125	EA		1-1/2" IPS, Chrome Plate Plastic Escutcheon.....	5.85	2.45
22 11 19 00-0126	EA		2" IPS, Chrome Plate Plastic Escutcheon.....	6.97	2.80
22 11 19 00-0127	EA		2-1/2" IPS, Chrome Plate Plastic Escutcheon.....	8.56	3.02
22 11 19 00-0128	EA		3" IPS, Chrome Plate Plastic Escutcheon.....	8.96	3.16
22 11 19 00-0129	EA		4" IPS, Chrome Plate Plastic Escutcheon.....	9.75	3.51
22 11 19 00-0130			Stainless Steel Escutcheons (22 11 19 00-0090)		
22 11 19 00-0131			Shallow Stainless Steel Escutcheons (22 11 19 00-0130)		
22 11 19 00-0132	EA		3/8" IPS, Shallow Stainless Steel Escutcheon.....	9.97	1.75
22 11 19 00-0133	EA		1/2" IPS, Shallow Stainless Steel Escutcheon.....	9.97	1.75
22 11 19 00-0134	EA		3/4" IPS, Shallow Stainless Steel Escutcheon.....	13.96	1.97
22 11 19 00-0135			Chrome Plated Steel Escutcheons (22 11 19 00-0090)		
22 11 19 00-0136			Split-Ring Chrome Plated Steel Escutcheons (22 11 19 00-0135)		
22 11 19 00-0137	EA		1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	3.86	1.75
22 11 19 00-0138	EA		3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	4.21	1.96
22 11 19 00-0139	EA		1" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	4.62	2.10
22 11 19 00-0140	EA		1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	4.97	2.31
22 11 19 00-0141	EA		1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	5.32	2.45
22 11 19 00-0142	EA		2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	6.13	2.80
22 11 19 00-0143	EA		2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	8.86	3.02
22 11 19 00-0144	EA		3" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	9.40	3.16
22 11 19 00-0145	EA		3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	11.41	3.37
22 11 19 00-0146	EA		4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	10.26	3.51
22 11 19 00-0147	EA		5" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	13.04	3.86
22 11 19 00-0148	EA		6" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	15.12	4.20
22 11 19 00-0149			Split-Ring/Springs Chrome Plated Steel Escutcheons (22 11 19 00-0135)		
22 11 19 00-0150	EA		3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	5.85	1.75
22 11 19 00-0151	EA		1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	5.85	1.75
22 11 19 00-0152	EA		3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	6.28	1.96
22 11 19 00-0153	EA		1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	6.86	2.10
22 11 19 00-0154	EA		1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	7.48	2.31
22 11 19 00-0155	EA		1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	7.93	2.45
22 11 19 00-0156	EA		2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	9.38	2.80
22 11 19 00-0157	EA		2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	10.72	3.02
22 11 19 00-0158	EA		3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	12.94	3.16
22 11 19 00-0159	EA		3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	15.73	3.37
22 11 19 00-0160	EA		4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	15.99	3.51
22 11 19 00-0161	EA		5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	25.82	3.86
22 11 19 00-0162	EA		6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	27.01	4.20
22 11 19 00-0163			Deep Bell Chrome Plated Steel Escutcheons (22 11 19 00-0135)		
22 11 19 00-0164	EA		3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	4.68	1.97
22 11 19 00-0165	EA		1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	4.62	1.97
22 11 19 00-0166	EA		3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	4.50	1.97
22 11 19 00-0167	EA		1" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	4.96	2.11
22 11 19 00-0168	EA		1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	5.39	2.32
22 11 19 00-0169	EA		1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	5.91	2.46
22 11 19 00-0170			Shallow Chrome Plated Steel Escutcheons (22 11 19 00-0135)		
22 11 19 00-0171	EA		3/8" IPS, Shallow Chrome Plated Steel Escutcheon.....	4.27	1.75
22 11 19 00-0172	EA		1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	4.27	1.75
22 11 19 00-0173	EA		3/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	4.32	1.75
22 11 19 00-0174	EA		1" IPS, Shallow Chrome Plated Steel Escutcheon.....	4.61	2.11
22 11 19 00-0175	EA		1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	5.00	2.32
22 11 19 00-0176	EA		1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	5.52	2.46
22 11 19 00-0177	EA		2" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.25	2.81
22 11 19 00-0178			Wall Hydrants (22 11 19)		
			Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0179			Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants (22 11 19 00-0178)		
			Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0180	EA		6" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	456.18	17.59
			For Cast Bronze Box, Add	23.04	
			For 1" NPT Outlet, Add	54.31	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0181	EA 12" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant..... <i>For Cast Bronze Box, Add For 1" NPT Outlet, Add</i>	481.48 23.04 54.31		21.10
22 11 19 00-0182	EA 18" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant..... <i>For Cast Bronze Box, Add For 1" NPT Outlet, Add</i>	495.89 23.04 54.31		25.40
22 11 19 00-0183	Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants <small>(22 11 19 00-0178)</small> Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.			
22 11 19 00-0184	EA Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant <i>For Cast Bronze Box, Add For 1" NPT Outlet, Add</i>	463.74 23.04 54.31		29.55
22 11 19 00-0185	Cast Bronze Non-Freezing Wall Hydrant <small>(22 11 19 00-0178)</small> Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.			
22 11 19 00-0186	EA 3" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	252.27 54.31		21.81
22 11 19 00-0187	EA 4" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	310.62 54.31		21.81
22 11 19 00-0188	EA 6" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	310.62 54.31		21.81
22 11 19 00-0189	EA 8" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	310.62 54.31		21.81
22 11 19 00-0190	EA 10" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	324.19 54.31		43.96
22 11 19 00-0191	EA 12" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	324.19 54.31		43.96
22 11 19 00-0192	EA 18" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	364.81 54.31		43.96
22 11 19 00-0193	Stainless Steel Box Type Wall Hydrants <small>(22 11 19 00-0178)</small> Note: With 3/4" NPT female and 3/4" NPT male inlet connection.			
22 11 19 00-0194	EA Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140).....	229.79		17.59
22 11 19 00-0195	EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141)	250.15		17.59
22 11 19 00-0196	EA Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150).....	252.92		17.59
22 11 19 00-0197	EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151)	283.46		17.59
22 11 19 00-0198	EA Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145)..... Note: Includes hot and cold hose connections.	397.87		24.62
22 11 19 00-0199	EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146)	409.90		24.62
22 11 19 00-0200	EA Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155)..... Note: Includes hot and cold hose connections.	409.90		24.62
22 11 19 00-0201	EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156)	438.58		24.62
22 11 19 00-0202	Washer Boxes And Dryer Outlets <small>(22 11 19)</small>			
22 11 19 00-0203	Dryer Vent Kit <small>(22 11 19 00-0202)</small> Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.			
22 11 19 00-0204	EA Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps	52.33		9.14
22 11 19 00-0205	Washer Boxes And Dryer Vents <small>(22 11 19 00-0202)</small> Note: Includes 1/2" supply valves and mounting brackets.			
22 11 19 00-0206	EA 2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves	165.77		14.07
22 11 19 00-0207	Ice Maker Outlet Box <small>(22 11 19)</small> Note: Includes one 1/2" quarter turn ball valve and connections wall mount.			
22 11 19 00-0208	EA Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	91.50		14.07
22 11 19 00-0209	EA Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount	116.30		14.07
22 11 19 00-0210	EA Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	129.96		14.07
22 11 19 00-0211	Tempering Controllers For Potable Hot Water <small>(22 11 19)</small>			
22 11 19 00-0212	Point-Of-Use Thermostatic Mixing Valves (Bradley) <small>(22 11 19 00-0211)</small> Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.			
22 11 19 00-0213	EA 1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007).....	304.20		17.03
22 11 19 00-0214	EA 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004).....	128.82		17.03
22 11 19 00-0215	EA 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008).....	172.87		17.03
22 11 19 00-0216	EA 3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016).....	198.30		22.94



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 19 00-0217		Thermostatic Mixing Valves (Bradley) <small>(22 11 19 00-0211)</small>		
		Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0218	EA	3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	827.14	24.56
22 11 19 00-0219	EA	3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	928.29	30.25
22 11 19 00-0220	EA	1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	1,116.04	35.19
22 11 19 00-0221	EA	1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	1,447.12	36.99
22 11 19 00-0222	EA	2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	1,942.91	47.99
22 11 19 00-0223		High Low Temperature Thermostatic Mixing Valves (Bradley) <small>(22 11 19 00-0211)</small>		
		Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0224	EA	3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	2,109.79	37.83
22 11 19 00-0225	EA	1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	2,746.24	43.98
22 11 19 00-0226	EA	1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	3,203.03	46.23
22 11 19 00-0227	EA	2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	3,548.08	59.98
22 11 19 00-0228		Thermostatic Mixing Valves (Leonard) <small>(22 11 19 00-0211)</small>		
		Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0229	EA	3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF)	577.14	24.56
		Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0230	EA	1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF)	679.56	30.25
		Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0231	EA	1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF)	835.09	35.19
		Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0232	EA	1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF)	1,020.75	37.00
		Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0233	EA	2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF)	1,516.15	47.99
		Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0234		Water Mixing/Self Operating Temperature Regulator <small>(22 11 19 00-0211)</small>		
		Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0235	EA	3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,237.14	35.17
22 11 19 00-0236	EA	1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,320.33	44.32
22 11 19 00-0237	EA	1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,461.18	53.47
22 11 19 00-0238	EA	1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,614.32	62.61
22 11 19 00-0239	EA	2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,907.20	82.31
22 11 19 00-0240	EA	2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	2,232.83	93.84
22 11 19 00-0241		Backflow Preventer Valves <small>(22 11 19)</small>		
22 11 19 00-0242		Double Check Valve Backflow Preventer Assemblies <small>(22 11 19 00-0241)</small>		
22 11 19 00-0243		Threaded Double Check Valve Assemblies <small>(22 11 19 00-0242)</small>		
22 11 19 00-0244		Double Check Valve Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0243)</small>		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0245	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	225.02	18.86
		<i>For Work In Restricted Working Space, Add</i>	14.14	
		<i>For Owner Furnished Material, Deduct</i>	-177.88	
22 11 19 00-0246	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	267.64	26.73
		<i>For Work In Restricted Working Space, Add</i>	20.05	
		<i>For Owner Furnished Material, Deduct</i>	-200.81	
22 11 19 00-0247	EA	1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	309.45	32.64
		<i>For Work In Restricted Working Space, Add</i>	24.48	
		<i>For Owner Furnished Material, Deduct</i>	-227.84	
22 11 19 00-0248	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	429.70	37.99
		<i>For Work In Restricted Working Space, Add</i>	28.49	
		<i>For Owner Furnished Material, Deduct</i>	-334.73	
22 11 19 00-0249	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	530.40	43.62
		<i>For Work In Restricted Working Space, Add</i>	32.50	
		<i>For Owner Furnished Material, Deduct</i>	-422.07	
22 11 19 00-0250	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	613.90	56.28
		<i>For Work In Restricted Working Space, Add</i>	42.21	
		<i>For Owner Furnished Material, Deduct</i>	-473.20	
22 11 19 00-0251		Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0243)</small>		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0252 EA 1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	275.92	18.86
For Work In Restricted Working Space, Add	14.14	
For Owner Furnished Material, Deduct	-228.78	
22 11 19 00-0253 EA 3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	342.19	26.73
For Work In Restricted Working Space, Add	20.05	
For Owner Furnished Material, Deduct	-275.36	
22 11 19 00-0254 EA 1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	400.84	32.64
For Work In Restricted Working Space, Add	24.48	
For Owner Furnished Material, Deduct	-319.23	
22 11 19 00-0255 EA 1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	559.92	37.99
For Work In Restricted Working Space, Add	28.49	
For Owner Furnished Material, Deduct	-464.95	
22 11 19 00-0256 EA 1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	683.78	43.62
For Work In Restricted Working Space, Add	32.50	
For Owner Furnished Material, Deduct	-575.45	
22 11 19 00-0257 EA 2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	825.65	56.28
For Work In Restricted Working Space, Add	42.21	
For Owner Furnished Material, Deduct	-684.95	
22 11 19 00-0258 Flanged Double Check Valve Assemblies (22 11 19 00-0242)		
22 11 19 00-0259 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0258)		
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 007 NRS series).		
22 11 19 00-0260 EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 007 NRS).....	1,645.35	155.44
For Work In Restricted Working Space, Add	62.18	
For Owner Furnished Material, Deduct	-1,438.10	
22 11 19 00-0261 EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 007 NRS).....	1,809.40	174.86
For Work In Restricted Working Space, Add	68.98	
For Owner Furnished Material, Deduct	-1,579.48	
22 11 19 00-0262 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0258)		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 007 OSY series).		
22 11 19 00-0263 EA 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY).....	1,791.53	155.44
For Work In Restricted Working Space, Add	62.18	
For Owner Furnished Material, Deduct	-1,584.28	
22 11 19 00-0264 EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY).....	2,053.20	174.86
For Work In Restricted Working Space, Add	68.98	
For Owner Furnished Material, Deduct	-1,823.28	
22 11 19 00-0265 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0258)		
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 709 NRS series).		
22 11 19 00-0266 EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	2,036.53	155.44
For Work In Restricted Working Space, Add	62.17	
For Owner Furnished Material, Deduct	-1,829.30	
22 11 19 00-0267 EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	2,238.86	174.86
For Work In Restricted Working Space, Add	68.98	
For Owner Furnished Material, Deduct	-2,008.94	
22 11 19 00-0268 EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	2,568.55	259.06
For Work In Restricted Working Space, Add	103.57	
For Owner Furnished Material, Deduct	-2,223.32	
22 11 19 00-0269 EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	4,262.23	380.29
For Work In Restricted Working Space, Add	206.09	
For Owner Furnished Material, Deduct	-3,575.26	
22 11 19 00-0270 EA 8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	8,198.83	570.42
For Work In Restricted Working Space, Add	309.19	
For Owner Furnished Material, Deduct	-7,168.21	
22 11 19 00-0271 EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	10,766.75	674.70
For Work In Restricted Working Space, Add	368.02	
For Owner Furnished Material, Deduct	-9,540.02	
22 11 19 00-0272 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer (22 11 19 00-0258)		
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0273 EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	2,238.82	155.44
For Work In Restricted Working Space, Add	62.17	
For Owner Furnished Material, Deduct	-2,031.59	
22 11 19 00-0274 EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	2,480.89	174.86
For Work In Restricted Working Space, Add	68.98	
For Owner Furnished Material, Deduct	-2,250.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0275 EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	3,106.67	259.06
<i>For Work In Restricted Working Space, Add</i>	103.56	
<i>For Owner Furnished Material, Deduct</i>	-2,761.48	
22 11 19 00-0276 EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	5,283.35	380.29
<i>For Work In Restricted Working Space, Add</i>	206.09	
<i>For Owner Furnished Material, Deduct</i>	-4,596.38	
22 11 19 00-0277 EA 8" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	9,918.95	570.42
<i>For Work In Restricted Working Space, Add</i>	309.14	
<i>For Owner Furnished Material, Deduct</i>	-8,888.50	
22 11 19 00-0278 EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	10,766.75	674.70
<i>For Work In Restricted Working Space, Add</i>	368.02	
<i>For Owner Furnished Material, Deduct</i>	-9,540.02	
22 11 19 00-0279 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ⁽²²⁾		
<small>11 19 00-0258)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 709 OSY series).		
22 11 19 00-0280 EA 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	2,163.66	155.44
<i>For Work In Restricted Working Space, Add</i>	62.17	
<i>For Owner Furnished Material, Deduct</i>	-1,956.43	
22 11 19 00-0281 EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	2,470.07	174.86
<i>For Work In Restricted Working Space, Add</i>	68.98	
<i>For Owner Furnished Material, Deduct</i>	-2,240.15	
22 11 19 00-0282 EA 4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	2,837.94	259.06
<i>For Work In Restricted Working Space, Add</i>	103.56	
<i>For Owner Furnished Material, Deduct</i>	-2,492.75	
22 11 19 00-0283 EA 6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	4,584.69	380.29
<i>For Work In Restricted Working Space, Add</i>	206.09	
<i>For Owner Furnished Material, Deduct</i>	-3,897.72	
22 11 19 00-0284 EA 8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	8,736.65	570.42
<i>For Work In Restricted Working Space, Add</i>	309.14	
<i>For Owner Furnished Material, Deduct</i>	-7,706.20	
22 11 19 00-0285 EA 10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	11,841.64	674.70
<i>For Work In Restricted Working Space, Add</i>	368.02	
<i>For Owner Furnished Material, Deduct</i>	-10,614.91	
22 11 19 00-0286 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ⁽²²⁾		
<small>11 19 00-0258)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).		
22 11 19 00-0287 EA 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	1,860.24	155.44
<i>For Work In Restricted Working Space, Add</i>	62.17	
<i>For Owner Furnished Material, Deduct</i>	-1,653.01	
22 11 19 00-0288 EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	2,048.33	174.86
<i>For Work In Restricted Working Space, Add</i>	68.98	
<i>For Owner Furnished Material, Deduct</i>	-1,818.41	
22 11 19 00-0289 EA 4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	2,329.00	259.06
<i>For Work In Restricted Working Space, Add</i>	103.56	
<i>For Owner Furnished Material, Deduct</i>	-1,983.81	
22 11 19 00-0290 EA 6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	3,788.93	380.29
<i>For Work In Restricted Working Space, Add</i>	206.09	
<i>For Owner Furnished Material, Deduct</i>	-3,101.96	
22 11 19 00-0291 EA 8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	7,163.29	570.42
<i>For Work In Restricted Working Space, Add</i>	309.14	
<i>For Owner Furnished Material, Deduct</i>	-6,132.84	
22 11 19 00-0292 EA 10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	7,789.30	674.70
<i>For Work In Restricted Working Space, Add</i>	368.02	
<i>For Owner Furnished Material, Deduct</i>	-6,562.57	
22 11 19 00-0293 N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ^(22 11 19 00-0258)		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).		
22 11 19 00-0294 EA 2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	2,446.77	155.44
<i>For Work In Restricted Working Space, Add</i>	62.17	
<i>For Owner Furnished Material, Deduct</i>	-2,239.54	
22 11 19 00-0295 EA 3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	2,634.86	174.86
<i>For Work In Restricted Working Space, Add</i>	68.98	
<i>For Owner Furnished Material, Deduct</i>	-2,404.94	
22 11 19 00-0296 EA 4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY series).....	3,309.10	259.06
<i>For Work In Restricted Working Space, Add</i>	103.56	
<i>For Owner Furnished Material, Deduct</i>	-2,963.91	
22 11 19 00-0297 EA 6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	5,429.67	380.29
<i>For Work In Restricted Working Space, Add</i>	206.09	
<i>For Owner Furnished Material, Deduct</i>	-4,742.70	



	Plumbing 22	
	Plumbing Piping 22 10	22
	Facility Water Distribution 22 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0298 EA 8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	9,595.03	570.42
For Work In Restricted Working Space, Add	309.14	
For Owner Furnished Material, Deduct	-8,564.58	
22 11 19 00-0299 EA 10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	11,418.07	674.70
For Work In Restricted Working Space, Add	368.02	
For Owner Furnished Material, Deduct	-10,191.34	
22 11 19 00-0300 Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves (22 11 19 00-0258)		
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).		
22 11 19 00-0301 EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	1,743.59	155.44
For Work In Restricted Working Space, Add	62.17	
For Owner Furnished Material, Deduct	-1,536.36	
22 11 19 00-0302 EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	1,936.98	174.86
For Work In Restricted Working Space, Add	68.98	
For Owner Furnished Material, Deduct	-1,707.06	
22 11 19 00-0303 EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	2,222.88	259.06
For Work In Restricted Working Space, Add	103.56	
For Owner Furnished Material, Deduct	-1,877.69	
22 11 19 00-0304 EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	3,705.57	380.29
For Work In Restricted Working Space, Add	206.09	
For Owner Furnished Material, Deduct	-3,018.60	
22 11 19 00-0305 EA 8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	7,082.96	570.42
For Work In Restricted Working Space, Add	309.14	
For Owner Furnished Material, Deduct	-6,052.51	
22 11 19 00-0306 EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	8,013.61	674.70
For Work In Restricted Working Space, Add	368.02	
For Owner Furnished Material, Deduct	-6,786.88	
22 11 19 00-0307 N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0258)		
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
22 11 19 00-0308 EA 2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	2,280.93	155.44
For Work In Restricted Working Space, Add	62.17	
For Owner Furnished Material, Deduct	-2,073.70	
22 11 19 00-0309 EA 3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	2,469.02	174.86
For Work In Restricted Working Space, Add	68.98	
For Owner Furnished Material, Deduct	-2,239.10	
22 11 19 00-0310 EA 4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	3,143.47	259.06
For Work In Restricted Working Space, Add	103.56	
For Owner Furnished Material, Deduct	-2,798.28	
22 11 19 00-0311 EA 6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	5,253.25	380.29
For Work In Restricted Working Space, Add	206.09	
For Owner Furnished Material, Deduct	-4,566.28	
22 11 19 00-0312 EA 8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	9,328.00	570.42
For Work In Restricted Working Space, Add	309.14	
For Owner Furnished Material, Deduct	-8,297.55	
22 11 19 00-0313 EA 10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	11,150.26	674.70
For Work In Restricted Working Space, Add	368.02	
For Owner Furnished Material, Deduct	-9,923.53	
22 11 19 00-0314 Double Check Valve Assemblies With Butterfly Shut-Off Valves (22 11 19 00-0258)		
Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0315 EA 2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	2,019.49	155.44
For Work In Restricted Working Space, Add	62.17	
For Owner Furnished Material, Deduct	-1,812.26	
22 11 19 00-0316 EA 3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	2,207.57	174.86
For Work In Restricted Working Space, Add	68.98	
For Owner Furnished Material, Deduct	-1,977.65	
22 11 19 00-0317 EA 4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	2,488.24	259.06
For Work In Restricted Working Space, Add	103.56	
For Owner Furnished Material, Deduct	-2,143.05	
22 11 19 00-0318 EA 6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	3,952.19	380.29
For Work In Restricted Working Space, Add	206.09	
For Owner Furnished Material, Deduct	-3,265.22	
22 11 19 00-0319 EA 8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	7,326.54	570.42
For Work In Restricted Working Space, Add	309.14	
For Owner Furnished Material, Deduct	-6,296.09	
22 11 19 00-0320 N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs (22 11 19 00-0258)		
Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0321 EA 2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series).....	2,606.01	155.44
For Work In Restricted Working Space, Add	62.17	
For Owner Furnished Material, Deduct	-2,398.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0322 EA 3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,794.10	174.86
<i>For Work In Restricted Working Space, Add</i>	68.98	
<i>For Owner Furnished Material, Deduct</i>	-2,564.18	
22 11 19 00-0323 EA 4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	3,468.34	259.06
<i>For Work In Restricted Working Space, Add</i>	103.56	
<i>For Owner Furnished Material, Deduct</i>	-3,123.15	
22 11 19 00-0324 EA 6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,592.96	380.29
<i>For Work In Restricted Working Space, Add</i>	206.09	
<i>For Owner Furnished Material, Deduct</i>	-4,905.99	
22 11 19 00-0325 EA 8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	7,326.54	570.42
<i>For Work In Restricted Working Space, Add</i>	309.14	
<i>For Owner Furnished Material, Deduct</i>	-6,296.09	
22 11 19 00-0326 Grooved Double Check Valve Assemblies <small>(22 11 19 00-0242)</small>		
22 11 19 00-0327 Double Check Valve Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0326)</small>		
Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0328 EA 2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	1,743.59	82.90
<i>For Work In Restricted Working Space, Add</i>	62.17	
<i>For Owner Furnished Material, Deduct</i>	-1,536.36	
22 11 19 00-0329 EA 3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	1,936.98	91.97
<i>For Work In Restricted Working Space, Add</i>	68.98	
<i>For Owner Furnished Material, Deduct</i>	-1,707.06	
22 11 19 00-0330 N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0326)</small>		
Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0331 EA 2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	2,280.93	82.90
<i>For Work In Restricted Working Space, Add</i>	62.17	
<i>For Owner Furnished Material, Deduct</i>	-2,073.70	
22 11 19 00-0332 EA 3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	2,469.02	91.97
<i>For Work In Restricted Working Space, Add</i>	68.98	
<i>For Owner Furnished Material, Deduct</i>	-2,239.10	
22 11 19 00-0333 Reduced Pressure Zone Backflow Preventer Assemblies <small>(22 11 19 00-0241)</small>		
22 11 19 00-0334 Threaded Reduced Pressure Zone Assemblies <small>(22 11 19 00-0333)</small>		
22 11 19 00-0335 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0334)</small>		
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0336 EA 1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	247.69	16.32
<i>For Work In Restricted Working Space, Add</i>	12.24	
<i>For Owner Furnished Material, Deduct</i>	-206.89	
22 11 19 00-0337 EA 3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	261.96	18.01
<i>For Work In Restricted Working Space, Add</i>	13.51	
<i>For Owner Furnished Material, Deduct</i>	-216.94	
22 11 19 00-0338 EA 1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	304.12	18.86
<i>For Work In Restricted Working Space, Add</i>	14.14	
<i>For Owner Furnished Material, Deduct</i>	-256.98	
22 11 19 00-0339 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	409.08	26.73
<i>For Work In Restricted Working Space, Add</i>	20.05	
<i>For Owner Furnished Material, Deduct</i>	-342.25	
22 11 19 00-0340 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	485.80	32.64
<i>For Work In Restricted Working Space, Add</i>	24.48	
<i>For Owner Furnished Material, Deduct</i>	-404.19	
22 11 19 00-0341 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	729.02	37.99
<i>For Work In Restricted Working Space, Add</i>	28.49	
<i>For Owner Furnished Material, Deduct</i>	-634.05	
22 11 19 00-0342 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	772.20	43.62
<i>For Work In Restricted Working Space, Add</i>	32.50	
<i>For Owner Furnished Material, Deduct</i>	-663.87	
22 11 19 00-0343 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	928.49	56.28
<i>For Work In Restricted Working Space, Add</i>	42.21	
<i>For Owner Furnished Material, Deduct</i>	-787.79	
22 11 19 00-0344 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0334)</small>		
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		
22 11 19 00-0345 EA 1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	272.74	16.32
<i>For Work In Restricted Working Space, Add</i>	12.24	
<i>For Owner Furnished Material, Deduct</i>	-231.94	
22 11 19 00-0346 EA 3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	288.35	18.01
<i>For Work In Restricted Working Space, Add</i>	13.51	
<i>For Owner Furnished Material, Deduct</i>	-243.33	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0347	EA			1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	340.29	26.73
				<i>For Work In Restricted Working Space, Add</i>	14.14	
				<i>For Owner Furnished Material, Deduct</i>	-293.15	
22 11 19 00-0348	EA			3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	465.93	26.73
				<i>For Work In Restricted Working Space, Add</i>	20.05	
				<i>For Owner Furnished Material, Deduct</i>	-399.10	
22 11 19 00-0349	EA			1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	556.88	32.64
				<i>For Work In Restricted Working Space, Add</i>	24.48	
				<i>For Owner Furnished Material, Deduct</i>	-475.27	
22 11 19 00-0350	EA			1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	825.96	37.99
				<i>For Work In Restricted Working Space, Add</i>	28.49	
				<i>For Owner Furnished Material, Deduct</i>	-730.99	
22 11 19 00-0351	EA			1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	909.00	43.62
				<i>For Work In Restricted Working Space, Add</i>	32.50	
				<i>For Owner Furnished Material, Deduct</i>	-800.67	
22 11 19 00-0352	EA			2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,096.33	56.28
				<i>For Work In Restricted Working Space, Add</i>	42.21	
				<i>For Owner Furnished Material, Deduct</i>	-955.63	
22 11 19 00-0353				Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0334)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).		
22 11 19 00-0354	EA			3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	409.08	26.73
				<i>For Work In Restricted Working Space, Add</i>	20.05	
				<i>For Owner Furnished Material, Deduct</i>	-342.25	
22 11 19 00-0355	EA			1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	485.80	32.64
				<i>For Work In Restricted Working Space, Add</i>	24.48	
				<i>For Owner Furnished Material, Deduct</i>	-404.19	
22 11 19 00-0356	EA			1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	729.02	37.99
				<i>For Work In Restricted Working Space, Add</i>	28.49	
				<i>For Owner Furnished Material, Deduct</i>	-634.05	
22 11 19 00-0357	EA			1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	772.20	43.62
				<i>For Work In Restricted Working Space, Add</i>	32.50	
				<i>For Owner Furnished Material, Deduct</i>	-663.87	
22 11 19 00-0358	EA			2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	928.49	56.28
				<i>For Work In Restricted Working Space, Add</i>	42.21	
				<i>For Owner Furnished Material, Deduct</i>	-787.79	
22 11 19 00-0359				Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0334)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).		
22 11 19 00-0360	EA			3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	465.93	26.73
				<i>For Work In Restricted Working Space, Add</i>	20.05	
				<i>For Owner Furnished Material, Deduct</i>	-399.10	
22 11 19 00-0361	EA			1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	556.88	32.64
				<i>For Work In Restricted Working Space, Add</i>	24.48	
				<i>For Owner Furnished Material, Deduct</i>	-475.27	
22 11 19 00-0362	EA			1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	825.96	37.99
				<i>For Work In Restricted Working Space, Add</i>	28.49	
				<i>For Owner Furnished Material, Deduct</i>	-730.99	
22 11 19 00-0363	EA			1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	909.00	43.62
				<i>For Work In Restricted Working Space, Add</i>	32.50	
				<i>For Owner Furnished Material, Deduct</i>	-800.67	
22 11 19 00-0364	EA			2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,096.33	56.28
				<i>For Work In Restricted Working Space, Add</i>	42.21	
				<i>For Owner Furnished Material, Deduct</i>	-955.63	
22 11 19 00-0365				Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0334)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).		
22 11 19 00-0366	EA			3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909QT).....	605.79	26.73
				<i>For Work In Restricted Working Space, Add</i>	20.05	
				<i>For Owner Furnished Material, Deduct</i>	-538.96	
22 11 19 00-0367	EA			1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909QT).....	717.69	32.64
				<i>For Work In Restricted Working Space, Add</i>	24.48	
				<i>For Owner Furnished Material, Deduct</i>	-636.08	
22 11 19 00-0368	EA			1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	1,093.30	37.99
				<i>For Work In Restricted Working Space, Add</i>	28.49	
				<i>For Owner Furnished Material, Deduct</i>	-998.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0369 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT).....	1,184.86	43.62
<i>For Work In Restricted Working Space, Add</i>	32.50	
<i>For Owner Furnished Material, Deduct</i>	-1,076.53	
22 11 19 00-0370 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT).....	1,380.52	56.28
<i>For Work In Restricted Working Space, Add</i>	42.21	
<i>For Owner Furnished Material, Deduct</i>	-1,239.82	
22 11 19 00-0371 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0334)</small>		
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 909 QT-S series).		
22 11 19 00-0372 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909QT-S)	682.37	26.73
<i>For Work In Restricted Working Space, Add</i>	20.05	
<i>For Owner Furnished Material, Deduct</i>	-615.54	
22 11 19 00-0373 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909QT-S)	812.69	32.64
<i>For Work In Restricted Working Space, Add</i>	24.48	
<i>For Owner Furnished Material, Deduct</i>	-731.08	
22 11 19 00-0374 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S).....	1,225.24	37.99
<i>For Work In Restricted Working Space, Add</i>	28.49	
<i>For Owner Furnished Material, Deduct</i>	-1,130.27	
22 11 19 00-0375 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S).....	1,340.72	43.62
<i>For Work In Restricted Working Space, Add</i>	32.50	
<i>For Owner Furnished Material, Deduct</i>	-1,232.39	
22 11 19 00-0376 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S).....	1,599.71	56.28
<i>For Work In Restricted Working Space, Add</i>	42.21	
<i>For Owner Furnished Material, Deduct</i>	-1,459.01	
22 11 19 00-0377 Flanged Reduced Pressure Zone Assemblies <small>(22 11 19 00-0333)</small>		
22 11 19 00-0378 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0377)</small>		
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts 009 NRS series).		
22 11 19 00-0379 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 009 NRS series).....	1,967.20	155.44
<i>For Work In Restricted Working Space, Add</i>	62.18	
<i>For Owner Furnished Material, Deduct</i>	-1,759.95	
22 11 19 00-0380 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 009 NRS series).....	2,215.02	174.86
<i>For Work In Restricted Working Space, Add</i>	68.98	
<i>For Owner Furnished Material, Deduct</i>	-1,985.10	
22 11 19 00-0381 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer <small>(22 11 19 00-0377)</small>		
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts 009 NRS-S series).		
22 11 19 00-0382 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 009 NRS-S series)	2,187.76	155.44
<i>For Work In Restricted Working Space, Add</i>	62.18	
<i>For Owner Furnished Material, Deduct</i>	-1,980.51	
22 11 19 00-0383 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 009 NRS-S series).....	2,474.15	174.86
<i>For Work In Restricted Working Space, Add</i>	68.98	
<i>For Owner Furnished Material, Deduct</i>	-2,244.23	
22 11 19 00-0384 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0377)</small>		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts 009 OSY series).		
22 11 19 00-0385 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 009 OSY series).....	2,104.98	155.44
<i>For Work In Restricted Working Space, Add</i>	62.18	
<i>For Owner Furnished Material, Deduct</i>	-1,897.73	
22 11 19 00-0386 EA 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 009 OSY series)	2,444.80	174.86
<i>For Work In Restricted Working Space, Add</i>	68.98	
<i>For Owner Furnished Material, Deduct</i>	-2,214.88	
22 11 19 00-0387 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0377)</small>		
Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts 009 QT-FDA series).		
22 11 19 00-0388 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts 009 QT-FDA series).....	2,478.39	155.44
<i>For Work In Restricted Working Space, Add</i>	62.18	
<i>For Owner Furnished Material, Deduct</i>	-2,271.14	
22 11 19 00-0389 EA 3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts 009 QT-FDA series).....	2,833.14	174.86
<i>For Work In Restricted Working Space, Add</i>	68.98	
<i>For Owner Furnished Material, Deduct</i>	-2,603.22	
22 11 19 00-0390 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0377)</small>		
Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts FAE 909 QT series).		



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0391	EA 1-1/4" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	941.62 38.86 -812.09	97.15
22 11 19 00-0392	EA 1-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,044.66 45.66 -892.46	113.34
22 11 19 00-0393	EA 2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,236.64 53.43 -1,058.53	132.77
22 11 19 00-0394	Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0377)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, iron body strainers, and captured spring assemblies (Watts FAE 909 QT-S series).		
22 11 19 00-0395	EA 1-1/4" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,024.06 38.86 -894.53	97.15
22 11 19 00-0396	EA 1-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,309.77 45.66 -1,157.57	113.34
22 11 19 00-0397	EA 2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,379.76 53.43 -1,201.65	132.77
22 11 19 00-0398	Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0377)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts 909 NRS series).		
22 11 19 00-0399	EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,457.41 62.17 -2,250.18	155.44
22 11 19 00-0400	EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,770.87 68.98 -2,540.95	174.86
22 11 19 00-0401	EA 4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,431.82 103.57 -3,086.59	259.06
22 11 19 00-0402	EA 6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,876.78 288.54 -4,914.97	380.29
22 11 19 00-0403	EA 8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909M1 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	10,050.36 432.82 -8,607.64	570.42
22 11 19 00-0404	EA 10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909M1 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	12,667.06 368.02 -11,440.33	674.70
22 11 19 00-0405	Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer <small>(22 11 19 00-0377)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts 909 NRS-S series).		
22 11 19 00-0406	EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,660.22 62.17 -2,452.99	155.44
22 11 19 00-0407	EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,009.86 68.98 -2,779.94	174.86
22 11 19 00-0408	EA 4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,892.53 103.56 -3,547.34	259.06
22 11 19 00-0409	EA 6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,477.62 206.09 -5,790.65	380.29
22 11 19 00-0410	EA 8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	11,111.79 309.14 -10,081.34	570.42
22 11 19 00-0411	EA 10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	15,200.35 368.02 -13,973.62	674.70
22 11 19 00-0412	Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0377)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts 909 OSY series).		
22 11 19 00-0413	EA 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,540.95 62.17 -2,333.72	155.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0414 EA 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series)	2,945.24	174.86
<i>For Work In Restricted Working Space, Add</i>	68.98	
<i>For Owner Furnished Material, Deduct</i>	-2,715.32	
22 11 19 00-0415 EA 4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series)	3,530.76	259.06
<i>For Work In Restricted Working Space, Add</i>	103.57	
<i>For Owner Furnished Material, Deduct</i>	-3,185.53	
22 11 19 00-0416 EA 6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series)	5,757.03	380.29
<i>For Work In Restricted Working Space, Add</i>	206.09	
<i>For Owner Furnished Material, Deduct</i>	-5,070.06	
22 11 19 00-0417 EA 8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series)	9,884.29	570.42
<i>For Work In Restricted Working Space, Add</i>	309.14	
<i>For Owner Furnished Material, Deduct</i>	-8,853.84	
22 11 19 00-0418 EA 10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series)	13,932.72	674.70
<i>For Work In Restricted Working Space, Add</i>	368.02	
<i>For Owner Furnished Material, Deduct</i>	-12,705.99	
22 11 19 00-0419 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0377)</small>		
<i>Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated bronze body gate valves, and captured spring assemblies (Watts 909 NRS BB series).</i>		
22 11 19 00-0420 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS BB series)	4,141.06	155.44
<i>For Work In Restricted Working Space, Add</i>	62.18	
<i>For Owner Furnished Material, Deduct</i>	-3,933.81	
22 11 19 00-0421 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS BB series)	4,672.03	174.86
<i>For Work In Restricted Working Space, Add</i>	68.98	
<i>For Owner Furnished Material, Deduct</i>	-4,442.11	
22 11 19 00-0422 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0377)</small>		
<i>Note: Includes ball type test cocks, two outside stem and yoke resilient seated bronze body gate valves, and captured spring assemblies (Watts 909 OSY BB series).</i>		
22 11 19 00-0423 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY BB series)	4,329.52	155.44
<i>For Work In Restricted Working Space, Add</i>	62.18	
<i>For Owner Furnished Material, Deduct</i>	-4,122.27	
22 11 19 00-0424 EA 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY BB series)	5,026.29	174.86
<i>For Work In Restricted Working Space, Add</i>	68.98	
<i>For Owner Furnished Material, Deduct</i>	-4,796.37	
22 11 19 00-0425 Double Check Detector Assemblies <small>(22 11 19 00-0241)</small>		
22 11 19 00-0426 Flanged Double Check Detector Assemblies With Meter <small>(22 11 19 00-0425)</small>		
22 11 19 00-0427 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter <small>(22 11 19 00-0426)</small>		
<i>Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).</i>		
22 11 19 00-0428 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	3,646.72	174.86
<i>For Work In Restricted Working Space, Add</i>	68.98	
<i>For Owner Furnished Material, Deduct</i>	-3,416.80	
22 11 19 00-0429 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	3,841.27	259.06
<i>For Work In Restricted Working Space, Add</i>	103.56	
<i>For Owner Furnished Material, Deduct</i>	-3,496.08	
22 11 19 00-0430 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	5,226.76	380.29
<i>For Work In Restricted Working Space, Add</i>	206.09	
<i>For Owner Furnished Material, Deduct</i>	-4,539.79	
22 11 19 00-0431 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	9,236.38	570.42
<i>For Work In Restricted Working Space, Add</i>	309.14	
<i>For Owner Furnished Material, Deduct</i>	-8,205.93	
22 11 19 00-0432 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	12,441.46	674.70
<i>For Work In Restricted Working Space, Add</i>	368.02	
<i>For Owner Furnished Material, Deduct</i>	-11,214.73	
22 11 19 00-0433 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter <small>(22 11 19 00-0426)</small>		
<i>Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).</i>		
22 11 19 00-0434 EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	2,738.54	155.44
<i>For Work In Restricted Working Space, Add</i>	62.18	
<i>For Owner Furnished Material, Deduct</i>	-2,531.29	
22 11 19 00-0435 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	2,926.43	174.86
<i>For Work In Restricted Working Space, Add</i>	68.98	
<i>For Owner Furnished Material, Deduct</i>	-2,696.51	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0436	EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)		3,211.01	259.06
	<i>For Work In Restricted Working Space, Add</i>		103.56	
	<i>For Owner Furnished Material, Deduct</i>		-2,865.82	
22 11 19 00-0437	EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)		4,408.21	380.29
	<i>For Work In Restricted Working Space, Add</i>		206.09	
	<i>For Owner Furnished Material, Deduct</i>		-3,721.24	
22 11 19 00-0438	EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)		7,756.92	570.42
	<i>For Work In Restricted Working Space, Add</i>		309.14	
	<i>For Owner Furnished Material, Deduct</i>		-6,726.47	
22 11 19 00-0439	EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)		9,149.62	674.70
	<i>For Work In Restricted Working Space, Add</i>		368.02	
	<i>For Owner Furnished Material, Deduct</i>		-7,922.89	
22 11 19 00-0440	Double Check Detector Assembly With Butterfly Valves And Meter <small>(22 11 19 00-0426)</small> Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).			
22 11 19 00-0441	EA 2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)		2,897.81	155.44
	<i>For Work In Restricted Working Space, Add</i>		62.18	
	<i>For Owner Furnished Material, Deduct</i>		-2,690.56	
22 11 19 00-0442	EA 3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)		3,085.71	174.86
	<i>For Work In Restricted Working Space, Add</i>		68.98	
	<i>For Owner Furnished Material, Deduct</i>		-2,855.79	
22 11 19 00-0443	EA 4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)		3,370.25	259.06
	<i>For Work In Restricted Working Space, Add</i>		103.56	
	<i>For Owner Furnished Material, Deduct</i>		-3,025.06	
22 11 19 00-0444	EA 6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)		4,571.46	380.29
	<i>For Work In Restricted Working Space, Add</i>		206.09	
	<i>For Owner Furnished Material, Deduct</i>		-3,884.49	
22 11 19 00-0445	EA 8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)		7,561.05	570.42
	<i>For Work In Restricted Working Space, Add</i>		309.14	
	<i>For Owner Furnished Material, Deduct</i>		-6,530.60	
22 11 19 00-0446	Flanged Double Check Detector Assemblies Without Meter <small>(22 11 19 00-0425)</small>			
22 11 19 00-0447	Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter <small>(22 11 19 00-0446)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).			
22 11 19 00-0448	EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)		2,688.25	155.44
	<i>For Work In Restricted Working Space, Add</i>		62.18	
22 11 19 00-0449	EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)		2,876.17	174.86
	<i>For Work In Restricted Working Space, Add</i>		68.98	
22 11 19 00-0450	EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)		3,160.74	259.06
	<i>For Work In Restricted Working Space, Add</i>		103.56	
22 11 19 00-0451	EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)		4,357.94	380.29
	<i>For Work In Restricted Working Space, Add</i>		206.09	
22 11 19 00-0452	EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)		7,706.69	570.42
	<i>For Work In Restricted Working Space, Add</i>		309.14	
22 11 19 00-0453	EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)		9,099.31	674.70
	<i>For Work In Restricted Working Space, Add</i>		368.02	
22 11 19 00-0454	Double Check Detector Assembly With Butterfly Valves Less Meter <small>(22 11 19 00-0446)</small> Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).			
22 11 19 00-0455	EA 2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)		2,847.51	155.44
	<i>For Work In Restricted Working Space, Add</i>		62.18	
22 11 19 00-0456	EA 3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)		3,035.41	174.86
	<i>For Work In Restricted Working Space, Add</i>		68.98	
22 11 19 00-0457	EA 4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)		3,319.98	259.06
	<i>For Work In Restricted Working Space, Add</i>		103.56	
22 11 19 00-0458	EA 6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)		4,521.16	380.29
	<i>For Work In Restricted Working Space, Add</i>		206.09	
22 11 19 00-0459	EA 8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)		7,869.94	570.42
	<i>For Work In Restricted Working Space, Add</i>		309.14	
22 11 19 00-0460	Backflow Preventer Accessories <small>(22 11 19 00-0241)</small>			
22 11 19 00-0461	Air Gap <small>(22 11 19 00-0460)</small>			
22 11 19 00-0462	EA Up To 1" Diameter Air Gap For Backflow Preventer		64.93	8.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0463 EA 1-1/4" To 2" Diameter Air Gap For Backflow Preventer	79.79	10.55
22 11 19 00-0464 EA 2-1/2" To 3" Diameter Air Gap For Backflow Preventer	147.60	14.07
22 11 19 00-0465 EA 4" To 6" Diameter Air Gap For Backflow Preventer	290.71	24.62
22 11 19 00-0466 EA 8" To 10" Diameter Air Gap For Backflow Preventer	311.82	35.17
22 11 19 00-0467 Brass Test Cocks (22 11 19 00-0460)		
22 11 19 00-0468 EA 1/8" Or 1/4" Brass Test Cock.....	21.08	3.52
22 11 19 00-0469 Backflow Valve Enclosures (22 11 19 00-0241)		
22 11 19 00-0470 Flip-Top, Insulated Fiberglass Valve Enclosures (22 11 19 00-0469)		
Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0471 EA 19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	599.39	63.31
For Heated Enclosure, Add	74.08	
22 11 19 00-0472 EA 27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	737.58	63.31
For Heated Enclosure, Add	94.81	
22 11 19 00-0473 EA 27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	935.89	58.29
For Heated Enclosure, Add	125.81	
22 11 19 00-0474 EA 33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	971.88	77.72
For Heated Enclosure, Add	126.35	
22 11 19 00-0475 EA 39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,018.74	77.72
For Heated Enclosure, Add	133.38	
22 11 19 00-0476 EA 47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,201.39	77.72
For Heated Enclosure, Add	160.78	
22 11 19 00-0477 EA 39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,206.20	77.72
For Heated Enclosure, Add	161.50	
22 11 19 00-0478 EA 47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,517.42	77.72
For Heated Enclosure, Add	208.18	
22 11 19 00-0479 EA 70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,497.60	116.57
For Heated Enclosure, Add	495.50	
22 11 19 00-0480 EA 83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	5,068.14	116.57
For Heated Enclosure, Add	731.08	
22 11 19 00-0481 EA 70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	4,815.80	116.57
For Heated Enclosure, Add	693.23	
22 11 19 00-0482 EA 83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	5,798.67	136.00
For Heated Enclosure, Add	835.80	
22 11 19 00-0483 One-Piece Drop Over, Insulated Fiberglass Valve Enclosures (22 11 19 00-0469)		
Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0484 EA 20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	328.55	16.88
For Heated Enclosure, Add	60.08	
22 11 19 00-0485 EA 27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	455.92	16.88
For Heated Enclosure, Add	85.56	
22 11 19 00-0486 EA 38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	571.45	15.54
For Heated Enclosure, Add	109.11	
22 11 19 00-0487 EA 47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	862.25	15.54
For Heated Enclosure, Add	167.27	
22 11 19 00-0488 EA 70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,230.76	29.14
For Heated Enclosure, Add	436.44	
22 11 19 00-0489 EA 83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	3,044.27	29.14
For Heated Enclosure, Add	599.14	
22 11 19 00-0490 EA 45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,028.88	29.14
For Heated Enclosure, Add	396.06	
22 11 19 00-0491 EA 53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,295.65	29.14
For Heated Enclosure, Add	449.41	
22 11 19 00-0492 EA 61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	3,589.81	29.14
For Heated Enclosure, Add	708.25	
22 11 19 00-0493 Sectional, Insulated Aluminum Valve Enclosures (22 11 19 00-0469)		
Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0494 EA 70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	4,551.37	126.63
For Heated Enclosure, Add	651.05	
For One 24" Fluorescent Light Fixture, Add	413.60	
For Two 24" Fluorescent Light Fixture, Add	740.13	
22 11 19 00-0495 EA 83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	5,016.41	126.63
For Heated Enclosure, Add	720.80	
For One 24" Fluorescent Light Fixture, Add	413.60	
For Two 24" Fluorescent Light Fixture, Add	740.13	
22 11 19 00-0496 EA 53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	3,554.08	116.57
For Heated Enclosure, Add	503.97	
For One 24" Fluorescent Light Fixture, Add	413.60	
For Two 24" Fluorescent Light Fixture, Add	740.13	
22 11 19 00-0497 EA 53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	3,897.74	116.57
For Heated Enclosure, Add	555.52	
For One 24" Fluorescent Light Fixture, Add	413.60	
For Two 24" Fluorescent Light Fixture, Add	740.13	
22 11 19 00-0498 EA 90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	4,535.70	155.44
For Heated Enclosure, Add	641.50	
For One 24" Fluorescent Light Fixture, Add	413.60	
For Two 24" Fluorescent Light Fixture, Add	740.13	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0499	EA	102"		Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure 5,086.05 For Heated Enclosure, Add 724.05 For One 24" Fluorescent Light Fixture, Add 413.60 For Two 24" Fluorescent Light Fixture, Add 740.13	5,086.05	155.44
22 11 19 00-0500	EA	90"		Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure 5,086.05 For Heated Enclosure, Add 724.05 For One 24" Fluorescent Light Fixture, Add 413.60 For Two 24" Fluorescent Light Fixture, Add 740.13	5,086.05	155.44
22 11 19 00-0501	EA	102"		Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure 5,619.58 For Heated Enclosure, Add 804.08 For One 24" Fluorescent Light Fixture, Add 413.60 For Two 24" Fluorescent Light Fixture, Add 740.13	5,619.58	155.44
22 11 19 00-0502	EA	62"		Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure 4,219.72 For Heated Enclosure, Add 598.96 For One 24" Fluorescent Light Fixture, Add 413.60 For Two 24" Fluorescent Light Fixture, Add 740.13	4,219.72	136.00
22 11 19 00-0503	EA	62"		Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure 4,940.65 For Heated Enclosure, Add 702.24 For One 24" Fluorescent Light Fixture, Add 413.60 For Two 24" Fluorescent Light Fixture, Add 740.13	4,940.65	155.44
22 11 19 00-0504	EA	105"		Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure 5,773.39 For Heated Enclosure, Add 827.15 For One 24" Fluorescent Light Fixture, Add 413.60 For Two 24" Fluorescent Light Fixture, Add 740.13	5,773.39	155.44
22 11 19 00-0505	EA	125"		Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure 6,337.52 For Heated Enclosure, Add 909.34 For One 24" Fluorescent Light Fixture, Add 413.60 For Two 24" Fluorescent Light Fixture, Add 740.13	6,337.52	165.15
22 11 19 00-0506	EA	105"		Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure 6,499.44 For Heated Enclosure, Add 930.07 For One 24" Fluorescent Light Fixture, Add 413.60 For Two 24" Fluorescent Light Fixture, Add 740.13	6,499.44	179.39
22 11 19 00-0507	EA	125"		Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure 7,204.37 For Heated Enclosure, Add 1,033.17 For One 24" Fluorescent Light Fixture, Add 413.60 For Two 24" Fluorescent Light Fixture, Add 740.13	7,204.37	189.94
22 11 19 00-0508	EA	105"		Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure 7,454.42 For Heated Enclosure, Add 1,074.45 For One 24" Fluorescent Light Fixture, Add 413.60 For Two 24" Fluorescent Light Fixture, Add 740.13	7,454.42	174.86
22 11 19 00-0509	EA	72"		Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure 5,412.89 For Heated Enclosure, Add 773.07 For One 24" Fluorescent Light Fixture, Add 413.60 For Two 24" Fluorescent Light Fixture, Add 740.13	5,412.89	155.44
22 11 19 00-0510	EA	72"		Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure 5,769.78 For Heated Enclosure, Add 826.61 For One 24" Fluorescent Light Fixture, Add 413.60 For Two 24" Fluorescent Light Fixture, Add 740.13	5,769.78	155.44
22 11 19 00-0511	EA	72"		Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure 6,528.58 For Heated Enclosure, Add 938.00 For One 24" Fluorescent Light Fixture, Add 413.60 For Two 24" Fluorescent Light Fixture, Add 740.13	6,528.58	165.15
22 11 19 00-0512	EA	72"		Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure 7,912.24 For Heated Enclosure, Add 1,143.12 For One 24" Fluorescent Light Fixture, Add 413.60 For Two 24" Fluorescent Light Fixture, Add 740.13	7,912.24	174.86
22 11 19 00-0513	EA	118"		Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure 6,904.06 For Heated Enclosure, Add 991.89 For One 24" Fluorescent Light Fixture, Add 413.60 For Two 24" Fluorescent Light Fixture, Add 740.13	6,904.06	77.72
22 11 19 00-0514	EA	142"		Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure 8,296.13 For Heated Enclosure, Add 1,198.28 For One 24" Fluorescent Light Fixture, Add 413.60 For Two 24" Fluorescent Light Fixture, Add 740.13	8,296.13	77.72
22 11 19 00-0515	EA	118"		Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure 8,020.96 For Heated Enclosure, Add 1,157.00 For One 24" Fluorescent Light Fixture, Add 413.60 For Two 24" Fluorescent Light Fixture, Add 740.13	8,020.96	116.57
22 11 19 00-0516	EA	142"		Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure 9,306.66 For Heated Enclosure, Add 1,345.00 For One 24" Fluorescent Light Fixture, Add 413.60 For Two 24" Fluorescent Light Fixture, Add 740.13	9,306.66	116.57
22 11 19 00-0517	EA	142"		Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure 8,587.50 For Heated Enclosure, Add 1,239.55 For One 24" Fluorescent Light Fixture, Add 413.60 For Two 24" Fluorescent Light Fixture, Add 740.13	8,587.50	116.57
22 11 19 00-0518	EA	172"		Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure 10,036.61 For Heated Enclosure, Add 1,452.06 For One 24" Fluorescent Light Fixture, Add 413.60 For Two 24" Fluorescent Light Fixture, Add 740.13	10,036.61	136.00
22 11 19 00-0519	EA	142"		Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure 10,068.99 For Heated Enclosure, Add 1,452.06 For One 24" Fluorescent Light Fixture, Add 413.60 For Two 24" Fluorescent Light Fixture, Add 740.13	10,068.99	116.57

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0520 EA 172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	11,945.90 1,728.74 413.60 740.13	116.57
22 11 19 00-0521 Faucets (Hose Bibbs) (22 11 19)		
22 11 19 00-0522 Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends (22 11 19 00-0521)		
22 11 19 00-0523 EA 1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	35.02	7.03
22 11 19 00-0524 EA 3/4" Faucet, Bronze Garden Hose Valve With Screwed Ends, 125#	40.91	7.74
22 11 19 00-0525 EA 3/4" Hose Valve With Screwed Ends And Vacuum Breaker, 125#	12.80	5.28
22 11 19 00-0526 Chrome Plated Brass Hose Valves, Screwed Ends (22 11 19 00-0521)		
22 11 19 00-0527 EA 3/4" Hose Valve With Screwed Ends; Chicago Faucets #387-CP	93.86	21.53
22 11 19 00-0528 Antisiphon Freezeless Wall Faucet (22 11 19 00-0521)		
22 11 19 00-0529 EA 4" Long, 1/2" Antisiphon Freezeless Wall Faucet	88.25	17.59
22 11 19 00-0530 EA 6" Long, 1/2" Antisiphon Freezeless Wall Faucet	95.48	19.48
22 11 19 00-0531 EA 8" Long, 1/2" Antisiphon Freezeless Wall Faucet	100.95	20.61
22 11 19 00-0532 EA 10" Long, 1/2" Antisiphon Freezeless Wall Faucet	106.41	22.09
22 11 19 00-0533 EA 12" Long, 1/2" Antisiphon Freezeless Wall Faucet	111.94	23.42
22 11 19 00-0534 Keyed, Recessed Valve Boxes (22 11 19)		
22 11 19 00-0535 EA 8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	189.82	21.02
22 11 19 00-0536 EA 8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	210.93	21.02
22 11 19 00-0537 EA 8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	242.59	21.02
22 11 19 00-0538 EA 12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	235.50	28.04
22 11 19 00-0539 EA 12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	267.17	28.04
22 11 19 00-0540 EA 12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box	276.67	28.04
22 11 19 00-0541 EA 8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box	223.60	21.02
22 11 19 00-0542 EA 8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box	270.04	21.02
22 11 19 00-0543 EA 8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box	311.20	21.02
22 11 19 00-0544 EA 12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box	294.61	28.04
22 11 19 00-0545 EA 12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box	335.78	28.04
22 11 19 00-0546 EA 12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box	351.61	28.04
22 11 23 Domestic Water Pumps (22 11)		
22 11 23 13 Domestic Water Packaged Booster Pumps And Tanks (22 11 23)		
Note: Includes motor starter and controls.		
22 11 23 13-0001 Simplex Domestic Water Packaged Booster Pumps And Tank (22 11 23 13)		
22 11 23 13-0002 EA 1 HP Simplex Domestic Water Packaged Booster Pump And Tank	7,934.81	207.25
22 11 23 13-0003 EA 1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	8,226.15	278.48
22 11 23 13-0004 EA 2 HP Simplex Domestic Water Packaged Booster Pump And Tank	8,574.09	349.73
22 11 23 13-0005 EA 3 HP Simplex Domestic Water Packaged Booster Pump And Tank	8,893.74	420.97
22 11 23 13-0006 EA 5 HP Simplex Domestic Water Packaged Booster Pump And Tank	9,836.16	492.21
22 11 23 13-0007 EA 7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	10,920.11	563.45
22 11 23 13-0008 EA 10 HP Simplex Domestic Water Packaged Booster Pump And Tank	11,664.38	634.70
22 11 23 13-0009 Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)		
22 11 23 13-0010 EA 100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	21,272.26	842.82
22 11 23 13-0011 EA 200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	25,662.89	895.49
22 11 23 13-0012 EA 300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	30,071.56	948.17
22 11 23 13-0013 Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)		
22 11 23 13-0014 EA 200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	28,076.15	895.49
22 11 23 13-0015 EA 300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	35,013.78	948.17
22 11 23 13-0016 EA 500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	43,562.92	1,053.51
22 11 23 13-0017 EA 750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	55,249.64	1,158.87
22 11 23 13-0018 EA 1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	66,936.35	1,264.22
22 11 23 13-0019 EA 1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	77,996.82	1,422.25
22 11 23 13-0020 EA 2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	89,057.29	1,580.28
22 11 23 13-0021 EA 3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	100,117.74	1,738.30
22 11 23 13-0022 EA 5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	111,309.90	1,949.01
22 11 23 13-0023 Variable Speed Duplex Domestic Water Pressure Booster Skid (22 11 23 13)		
Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0024 EA 40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1).....	21,129.07	876.94
22 11 23 13-0025 EA 40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2).....	22,101.18	876.94
22 11 23 13-0026 EA 80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3).....	23,490.22	876.94
22 11 23 13-0027 EA 80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4).....	25,492.50	876.94
22 11 23 13-0028 EA 160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5).....	24,052.60	931.75
22 11 23 13-0029 EA 160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6).....	25,800.50	931.75
22 11 23 13-0030 EA 160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7).....	28,174.32	931.75
22 11 23 13-0031 EA 160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8).....	30,103.78	931.75
22 11 23 13-0032 EA 240 To 280 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9).....	26,284.79	986.55
22 11 23 13-0033 EA 280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10).....	28,010.54	986.55
22 11 23 13-0034 EA 240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11).....	31,869.44	986.55
22 11 23 13-0035 EA 240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12).....	38,345.99	986.55
22 11 23 13-0036 EA 360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13).....	27,767.77	986.55
22 11 23 13-0037 EA 360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14).....	31,287.86	986.55
22 11 23 13-0038 EA 360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15).....	39,036.29	986.55
22 11 23 13-0039 EA 360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16).....	38,812.52	986.55
22 11 23 13-0040 EA 440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17).....	46,299.85	1,096.16
22 11 23 13-0041 EA 440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18).....	31,786.72	1,096.16
22 11 23 13-0042 EA 440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19).....	38,842.74	1,096.16
22 11 23 13-0043 EA 440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20).....	38,620.03	1,096.16
22 11 23 13-0044 EA 440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21).....	46,646.05	1,096.16
22 11 23 13-0045 EA 440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22).....	56,463.26	1,096.16
22 11 23 13-0046 EA 60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1).....	26,735.88	876.94
22 11 23 13-0047 Variable Speed Triplex Domestic Water Pressure Booster Skid <small>(22 11 23 13)</small>		
Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.		
22 11 23 13-0048 EA 60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2).....	26,735.88	876.94
22 11 23 13-0049 EA 120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3).....	29,921.38	876.94
22 11 23 13-0050 EA 60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4).....	32,669.90	876.94
22 11 23 13-0051 EA 180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5).....	30,058.39	931.75
22 11 23 13-0052 EA 180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6).....	32,787.91	931.75
22 11 23 13-0053 EA 240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7).....	30,695.91	931.75
22 11 23 13-0054 EA 240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8).....	33,042.29	931.75
22 11 23 13-0055 EA 240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9).....	36,268.95	931.75
22 11 23 13-0056 EA 240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10).....	38,943.59	931.75
22 11 23 13-0057 EA 300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11).....	30,987.05	986.55
22 11 23 13-0058 EA 300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12).....	33,333.42	986.55
22 11 23 13-0059 EA 300 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13).....	36,559.03	986.55
22 11 23 13-0060 EA 300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14).....	39,233.67	986.55
22 11 23 13-0061 EA 360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15).....	33,625.80	986.55
22 11 23 13-0062 EA 360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16).....	35,879.29	986.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0063 EA 360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17)	41,447.05	986.55
22 11 23 13-0064 EA 360 GPM At 140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18)	50,532.79	986.55
22 11 23 13-0065 EA 480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19)	34,360.03	1,096.16
22 11 23 13-0066 EA 480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20)	36,614.58	1,096.16
22 11 23 13-0067 EA 480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21)	42,182.34	1,096.16
22 11 23 13-0068 EA 480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22)	51,267.03	1,096.16
22 11 23 13-0069 EA 540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23)	36,249.38	1,096.16
22 11 23 13-0070 EA 540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24)	41,309.45	1,096.16
22 11 23 13-0071 EA 540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25)	52,301.42	1,096.16
22 11 23 13-0072 EA 540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26)	53,366.42	1,096.16
22 11 23 13-0073 EA 540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27)	66,126.36	1,096.16
22 11 23 13-0074 EA 660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28)	41,077.51	1,315.40
22 11 23 13-0075 EA 660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29)	49,417.02	1,315.40
22 11 23 13-0076 EA 660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30)	52,579.29	1,315.40
22 11 23 13-0077 EA 660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31)	63,426.67	1,315.40
22 11 23 13-0078 EA 660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32)	78,605.81	1,315.40

22 11 23 23 Domestic-Water In-Line Pumps (22 11 23)

22 11 23 23-0001	Bronze In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)	Note: ODP motor.
22 11 23 23-0002 EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B)	563.19 116.57
22 11 23 23-0003 EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B)	576.98 116.57
22 11 23 23-0004 EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B)	602.74 118.84
22 11 23 23-0005 EA	1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B)	661.58 123.70
22 11 23 23-0006 EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B)	1,151.68 128.31
22 11 23 23-0007 EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB)	1,225.39 128.31
22 11 23 23-0008 EA	1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB)	1,812.97 141.28
22 11 23 23-0009 EA	1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB)	1,893.45 155.21
22 11 23 23-0010 EA	1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB)	2,286.13 170.76
22 11 23 23-0011 EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S)	2,341.49 187.93
22 11 23 23-0012 EA	3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S)	2,560.98 206.40
22 11 23 23-0013 EA	1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S)	3,644.93 227.15
22 11 23 23-0014 EA	1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S)	4,190.25 238.15

22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)

22 11 23 23-0015	Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)	Note: ODP motor.
22 11 23 23-0016 EA	1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30)	568.17 116.57
22 11 23 23-0017 EA	1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36)	915.49 116.57
22 11 23 23-0018 EA	1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	920.18 118.84
22 11 23 23-0019 EA	1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	936.52 121.43
22 11 23 23-0020 EA	1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50)	941.04 123.70
22 11 23 23-0021 EA	1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75)	959.82 128.31
22 11 23 23-0022 EA	1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2)	1,165.96 141.28
22 11 23 23-0023 EA	1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30)	1,499.48 170.76
22 11 23 23-0024 EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S)	1,583.03 187.93
22 11 23 23-0025 EA	3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S)	1,842.61 206.40
22 11 23 23-0026 EA	1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S)	2,463.04 227.15
22 11 23 23-0027 EA	1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S)	2,868.44 238.15
22 11 23 23-0028 EA	2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	2,695.39 250.14
22 11 23 23-0029 EA	3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	2,899.73 274.96

22 12 Facility Potable-Water Storage Tanks (22 10)

22 12 23 Facility Indoor Potable-Water Storage Tanks (22 12)

22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks (22 12 23)

22 12 23 13-0001	Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) (22 12 23 13)	
22 12 23 13-0002 EA	80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A)	1,710.19 259.06
22 12 23 13-0003 EA	119 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M)	2,117.59 323.82
22 12 23 13-0004 EA	140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A)	4,000.75 356.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 13-0005 EA 200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A).....	4,426.43	388.58
22 12 23 13-0006 EA 250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A).....	8,926.88	420.97
22 12 23 13-0007 EA 350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A).....	7,657.36	453.35
22 12 23 13-0008 EA 400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A).....	13,256.42	485.73
22 12 23 13-0009 EA 500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A).....	12,189.27	518.11
22 12 23 13-0010 EA 750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A).....	13,246.55	550.49
22 12 23 13-0011 EA 1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A).....	15,811.02	582.88
22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) (22 12 23 13)		
22 12 23 13-0013 EA 80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S).....	1,449.23	259.06
22 12 23 13-0014 EA 120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S).....	2,852.59	323.82
22 12 23 13-0015 EA 140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A).....	3,585.72	356.20
22 12 23 13-0016 EA 200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S).....	4,452.12	388.58
22 12 23 13-0017 EA 200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A).....	3,758.72	388.58
22 12 23 13-0018 EA 250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A).....	5,881.88	420.97
22 12 23 13-0019 EA 325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A).....	6,366.65	453.35
22 12 23 13-0020 EA 350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S).....	6,051.65	453.35
22 12 23 13-0021 EA 350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A).....	5,506.75	453.35
22 12 23 13-0022 EA 400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A).....	7,586.42	485.73
22 12 23 13-0023 EA 500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A).....	8,233.21	518.11
22 12 23 13-0024 EA 750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A).....	9,578.24	550.49
22 12 23 13-0025 EA 1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A).....	18,144.21	582.88
22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks (22 12 23)		
22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks (22 12 23 26)		
Note: Excludes excavation and backfill.		
22 12 23 26-0002 EA 100 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	382.38	145.72
For Saddle Assembly, Add	423.08	
22 12 23 26-0003 EA 150 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	447.76	170.01
For Saddle Assembly, Add	423.08	
22 12 23 26-0004 EA 200 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	529.65	194.29
For Saddle Assembly, Add	479.18	
22 12 23 26-0005 EA 300 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	641.23	218.58
For Saddle Assembly, Add	698.08	
22 12 23 26-0006 EA 335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	764.91	242.87
For Two Tie Down Bands, Add	246.11	
22 12 23 26-0007 EA 535 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	993.24	331.68
For Two Tie Down Bands, Add	261.51	
22 12 23 26-0008 EA 1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,459.94	386.96
For Three Tie Down Bands, Add	441.76	
22 12 23 26-0009 EA 1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	2,080.14	442.25
For Three Tie Down Bands, Add	445.06	
22 12 23 26-0010 EA 1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	2,583.95	497.53
For Four Tie Down Bands, Add	602.22	
22 12 23 26-0011 EA 2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	3,020.06	552.80
For Four Tie Down Bands, Add	826.62	
22 12 23 26-0012 EA 2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	4,275.77	608.08
For Four Tie Down Bands, Add	1,073.02	
22 12 23 26-0013 EA 3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	4,943.47	663.36
For Four Tie Down Bands, Add	1,156.62	
22 12 23 26-0014 EA 5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	9,107.00	884.48
For Five Tie Down Bands, Add	2,028.76	
22 12 23 26-0015 EA 4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	7,085.30	884.48
For Four Tie Down Bands, Add	1,301.82	
22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks (22 12 23 26)		
22 12 23 26-0017 EA 100 Gallon Vertical Non-Pressurized Polyethylene Tank.....	425.15	194.29
22 12 23 26-0018 EA 160 Gallon Vertical Non-Pressurized Polyethylene Tank.....	506.24	206.43
22 12 23 26-0019 EA 210 Gallon Vertical Non-Pressurized Polyethylene Tank.....	554.33	218.58
22 12 23 26-0020 EA 300 Gallon Vertical Non-Pressurized Polyethylene Tank.....	667.01	242.87
22 12 23 26-0021 EA 405 Gallon Vertical Non-Pressurized Polyethylene Tank.....	763.67	291.44
22 12 23 26-0022 EA 500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	901.04	340.02
22 12 23 26-0023 EA 800 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,254.04	442.25
22 12 23 26-0024 EA 1,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,619.26	552.80
22 12 23 26-0025 EA 2,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	2,158.27	663.36
22 12 23 26-0026 EA 3,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	2,800.69	773.92
22 12 23 26-0027 EA 4,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	4,062.40	884.48
22 12 23 26-0028 EA 5,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	5,453.92	995.04
22 12 23 26-0029 EA 6,250 Gallon Vertical Non-Pressurized Polyethylene Tank.....	6,177.73	1,105.60
22 12 23 26-0030 EA 7,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	6,806.94	1,216.17
22 12 23 26-0031 EA 8,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	7,825.55	1,326.73
22 12 23 26-0032 EA 9,150 Gallon Vertical Non-Pressurized Polyethylene Tank.....	8,825.47	1,437.29

22	Plumbing
22 10	Plumbing Piping
22 12	Facility Potable-Water Storage Tanks



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 26-0033 EA 10,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	10,870.38	1,547.84
22 12 23 26-0034 EA 12,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	13,057.21	1,768.96

22 13 Facility Sanitary Sewerage ^(22 10)

22 13 13 Facility Sanitary Sewers ^(22 13)

22 13 13 00-0001 Fixture Rough-In ^(22 13 13)

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible.

22 13 13 00-0002 Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ^(22 13 13 00-0001)

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0003 EA Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	602.28	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0004 EA Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	788.58	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0005 EA Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	550.00	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0006 EA Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	354.43	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0007 EA Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	417.58	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0008 EA Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	535.03	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0009 EA Bathtub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	567.32	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0010 EA Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	343.20	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0011 EA Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	550.00	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0012 EA Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	567.35	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0013 EA Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	534.96	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
22 13 13 00-0014 EA Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	602.28	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0015 EA Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	942.73	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0016 EA Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	583.53	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		

22 13 13 00-0017 Double Fixture Rough-In, Cast Iron Waste And Vent Pipe ^(22 13 13 00-0001)

Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0018 EA Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	779.57	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0019 EA Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,056.92	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0020 EA Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	673.53	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0021 EA Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	421.67	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0022 EA Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	569.88	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0023 EA Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	603.08	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0024 EA Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	399.52	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0025 EA Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	680.00	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0026 EA Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	596.64	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0027 EA Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	580.46	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.		
22 13 13 00-0028 EA Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	779.57	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.		



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0029		Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe <small>(22 13 13 00-0001)</small> Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 389.48 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	389.48	
22 13 13 00-0031	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 528.45 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	528.45	
22 13 13 00-0032	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 337.09 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	337.09	
22 13 13 00-0033	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe..... 211.16 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	211.16	
22 13 13 00-0034	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 284.95 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	284.95	
22 13 13 00-0035	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 301.53 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	301.53	
22 13 13 00-0036	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 215.94 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	215.94	
22 13 13 00-0037	EA	Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet 339.68 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	339.68	
22 13 13 00-0038	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 298.32 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	298.32	
22 13 13 00-0039	EA	Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 290.55 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	290.55	
22 13 13 00-0040	EA	Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 384.94 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	384.94	
22 13 13 00-0041		Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe <small>(22 13 13 00-0001)</small> Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042	EA	Floor Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 294.43 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	294.43	
22 13 13 00-0043	EA	Wall Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... 280.96 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	280.96	
22 13 13 00-0044	EA	Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... 287.33 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	287.33	
22 13 13 00-0045	EA	Wall Mounted Urinal, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 165.12 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	165.12	
22 13 13 00-0046	EA	Wall Mounted Lavatory, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... 192.76 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	192.76	
22 13 13 00-0047	EA	Countertop Kitchen Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... 273.34 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	273.34	
22 13 13 00-0048	EA	Bathtub, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... 268.08 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	268.08	
22 13 13 00-0049	EA	Free Standing Water Cooler, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... 166.01 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	166.01	
22 13 13 00-0050	EA	Floor Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 287.33 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	287.33	
22 13 13 00-0051	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 311.28 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	311.28	
22 13 13 00-0052	EA	Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 282.88 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	282.88	
22 13 13 00-0053	EA	Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 294.35 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	294.35	
22 13 13 00-0054	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... 450.27 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	450.27	
22 13 13 00-0055	EA	Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... 282.25 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	282.25	
22 13 13 00-0056		Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe <small>(22 13 13 00-0001)</small> Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 342.12 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	342.12	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0058 EA Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....364.13 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	364.13	
22 13 13 00-0059 EA Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....299.03 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	299.03	
22 13 13 00-0060 EA Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....174.14 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	174.14	
22 13 13 00-0061 EA Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....273.15 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	273.15	
22 13 13 00-0062 EA Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....282.48 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	282.48	
22 13 13 00-0063 EA Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....173.57 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	173.57	
22 13 13 00-0064 EA Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....304.78 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	304.78	
22 13 13 00-0065 EA Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....315.21 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	315.21	
22 13 13 00-0066 EA Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....300.76 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	300.76	
22 13 13 00-0067 EA Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....342.12 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	342.12	
22 13 13 00-0068 Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ^(22 13 13 00-0001)		
Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0069 EA Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....170.80 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	170.80	
22 13 13 00-0070 EA Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....181.75 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	181.75	
22 13 13 00-0071 EA Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....149.70 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	149.70	
22 13 13 00-0072 EA Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....87.10 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	87.10	
22 13 13 00-0073 EA Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....136.56 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	136.56	
22 13 13 00-0074 EA Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....141.08 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	141.08	
22 13 13 00-0075 EA Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....86.78 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	86.78	
22 13 13 00-0076 EA Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....152.33 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	152.33	
22 13 13 00-0077 EA Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....157.63 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	157.63	
22 13 13 00-0078 EA Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....150.65 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	150.65	
22 13 13 00-0079 EA Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....166.50 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	166.50	
22 13 16 Sanitary Waste And Vent Piping ^(22 13)		
22 13 16 00-0001 Cast Iron Soil Pipe Assemblies ^(22 13 16)		
22 13 16 00-0002 Underground Bell And Spigot Cast Iron Soil Pipe Assemblies ^(22 13 16 00-0001)		
Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.		
22 13 16 00-0003 LF 2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....19.72 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	19.72	4.08
<i>For Work In Restricted Working Space, Add</i>	2.99	
22 13 16 00-0004 LF 3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....28.12 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	28.12	6.15
<i>For Work In Restricted Working Space, Add</i>	4.06	
22 13 16 00-0005 LF 4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....36.49 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	36.49	7.84
<i>For Work In Restricted Working Space, Add</i>	5.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0006 LF 5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	42.53 5.38	9.57
22 13 16 00-0007 LF 6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	49.87 5.98	10.43
22 13 16 00-0008 LF 8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	78.84 8.39	14.82
22 13 16 00-0009 LF 10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	115.12 9.50	14.82
22 13 16 00-0010 Aboveground No Hub Cast Iron Soil Pipe Assemblies (22 13 16 00-0001) Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
22 13 16 00-0011 LF 1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	16.07 3.24	3.88
22 13 16 00-0012 LF 2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	17.09 3.50	4.14
22 13 16 00-0013 LF 3" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	22.32 4.49	6.02
22 13 16 00-0014 LF 4" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	27.58 5.53	7.84
22 13 16 00-0015 LF 5" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	44.63 8.96	9.39
22 13 16 00-0016 LF 6" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	49.24 9.58	10.25
22 13 16 00-0017 LF 8" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	80.14 15.30	14.69
22 13 16 00-0018 LF 10" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	84.98 11.15	16.70
22 13 16 00-0019 Bell And Spigot Cast Iron Soil Pipe And Fittings (22 13 16) Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020 Bell And Spigot Cast Iron Pipe (22 13 16 00-0019) Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021 LF 2" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.97 3.28 0.31 1.85	4.08
22 13 16 00-0022 LF 3" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.43 4.70 0.46 2.78	6.15
22 13 16 00-0023 LF 4" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.32 6.11 0.59 3.53	7.84
22 13 16 00-0024 LF 5" (12.5 cm) Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.84 8.62 0.72 4.30	9.57
22 13 16 00-0025 LF 6" (15 cm) Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.60 10.50 0.78 4.68	10.43
22 13 16 00-0026 LF 8" (21 cm) Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.10 16.33 1.11 6.67	14.82

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0027 LF 10" (25 cm) Cast Iron Pipe.....	89.73	16.70
For Extra Heavy Pipe, Add	27.18	
For Above Ground Cast Iron Pipe Installation, Add	1.25	
For Work In Restricted Working Space, Add	7.50	
22 13 16 00-0028 LF 12" (31 cm) Cast Iron Pipe.....	127.35	22.26
For Extra Heavy Pipe, Add	39.48	
For Above Ground Cast Iron Pipe Installation, Add	1.67	
For Work In Restricted Working Space, Add	10.00	
22 13 16 00-0029 Bell And Spigot Cast Iron Fittings (22 13 16 00-0019)		
22 13 16 00-0030 Bell And Spigot Cast Iron Long Sweeps (22 13 16 00-0029)		
22 13 16 00-0031 EA 2" Bell And Spigot Cast Iron Long Sweep.....	63.06	18.59
For Extra Heavy Fittings, Add	12.32	
For Above Ground Cast Iron Pipe Installation, Add	1.39	
For Work In Restricted Working Space, Add	8.36	
22 13 16 00-0032 EA 3" Bell And Spigot Cast Iron Long Sweep.....	106.46	23.38
For Extra Heavy Fittings, Add	25.01	
For Above Ground Cast Iron Pipe Installation, Add	1.75	
For Work In Restricted Working Space, Add	10.50	
22 13 16 00-0033 EA 4" Bell And Spigot Cast Iron Long Sweep.....	141.82	31.09
For Extra Heavy Fittings, Add	33.33	
For Above Ground Cast Iron Pipe Installation, Add	2.33	
For Work In Restricted Working Space, Add	13.98	
22 13 16 00-0034 EA 6" Bell And Spigot Cast Iron Long Sweep.....	221.02	40.48
For Extra Heavy Fittings, Add	56.12	
For Above Ground Cast Iron Pipe Installation, Add	3.03	
For Work In Restricted Working Space, Add	18.20	
22 13 16 00-0035 EA 8" Bell And Spigot Cast Iron Long Sweep.....	435.78	52.14
For Extra Heavy Fittings, Add	125.17	
For Above Ground Cast Iron Pipe Installation, Add	3.91	
For Work In Restricted Working Space, Add	23.45	
22 13 16 00-0036 EA 10" Bell And Spigot Cast Iron Long Sweep.....	595.68	64.16
For Extra Heavy Fittings, Add	174.82	
For Above Ground Cast Iron Pipe Installation, Add	4.81	
For Work In Restricted Working Space, Add	28.86	
22 13 16 00-0037 EA 12" Bell And Spigot Cast Iron Long Sweep.....	913.00	89.53
For Extra Heavy Fittings, Add	272.56	
For Above Ground Cast Iron Pipe Installation, Add	6.71	
For Work In Restricted Working Space, Add	40.28	
22 13 16 00-0038 Bell And Spigot Cast Iron Short Sweeps (22 13 16 00-0029)		
22 13 16 00-0039 EA 2" Bell And Spigot Cast Iron Short Sweep.....	53.77	18.59
For Extra Heavy Fittings, Add	9.07	
For Above Ground Cast Iron Pipe Installation, Add	1.39	
For Work In Restricted Working Space, Add	8.36	
22 13 16 00-0040 EA 3" Bell And Spigot Cast Iron Short Sweep.....	90.86	23.38
For Extra Heavy Fittings, Add	19.55	
For Above Ground Cast Iron Pipe Installation, Add	1.75	
For Work In Restricted Working Space, Add	10.50	
22 13 16 00-0041 EA 4" Bell And Spigot Cast Iron Short Sweep.....	124.28	31.09
For Extra Heavy Fittings, Add	27.19	
For Above Ground Cast Iron Pipe Installation, Add	2.33	
For Work In Restricted Working Space, Add	13.98	
22 13 16 00-0042 EA 5" Bell And Spigot Cast Iron Short Sweep.....	185.90	34.41
For Extra Heavy Fittings, Add	47.02	
For Above Ground Cast Iron Pipe Installation, Add	2.58	
For Work In Restricted Working Space, Add	15.47	
22 13 16 00-0043 EA 6" Bell And Spigot Cast Iron Short Sweep.....	224.36	40.48
For Extra Heavy Fittings, Add	57.29	
For Above Ground Cast Iron Pipe Installation, Add	3.03	
For Work In Restricted Working Space, Add	18.20	
22 13 16 00-0044 EA 8" Bell And Spigot Cast Iron Short Sweep.....	368.53	52.14
For Extra Heavy Fittings, Add	101.63	
For Above Ground Cast Iron Pipe Installation, Add	3.91	
For Work In Restricted Working Space, Add	23.45	
22 13 16 00-0045 EA 10" Bell And Spigot Cast Iron Short Sweep.....	538.31	64.16
For Extra Heavy Fittings, Add	154.74	
For Above Ground Cast Iron Pipe Installation, Add	4.81	
For Work In Restricted Working Space, Add	28.86	
22 13 16 00-0046 EA 12" Bell And Spigot Cast Iron Short Sweep.....	891.61	89.53
For Extra Heavy Fittings, Add	265.08	
For Above Ground Cast Iron Pipe Installation, Add	6.71	
For Work In Restricted Working Space, Add	40.28	
22 13 16 00-0047 Bell And Spigot Cast Iron 1/4 Bends (22 13 16 00-0029)		
22 13 16 00-0048 EA 2" Bell And Spigot Cast Iron 1/4 Bend.....	48.49	18.52
For Extra Heavy Fittings, Add	7.25	
For Above Ground Cast Iron Pipe Installation, Add	1.39	
For Work In Restricted Working Space, Add	8.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0049 EA 3" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.65 14.48 1.56 9.39	20.85
22 13 16 00-0050 EA 4" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.74 21.73 2.08 12.50	27.78
22 13 16 00-0051 EA 5" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.43 29.19 2.30 13.81	30.73
22 13 16 00-0052 EA 6" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	155.66 35.16 2.76 16.56	36.80
22 13 16 00-0053 EA 8" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	321.24 87.24 3.60 21.59	48.02
22 13 16 00-0054 EA 10" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	473.02 134.98 4.37 26.21	58.27
22 13 16 00-0055 EA 12" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	623.16 182.01 5.16 30.94	68.78
 22 13 16 00-0056 Bell And Spigot Cast Iron 1/8 Bends (22 13 16 00-0029)		
22 13 16 00-0057 EA 2" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.37 5.78 1.39 8.36	18.59
22 13 16 00-0058 EA 3" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.11 11.94 1.75 10.50	23.38
22 13 16 00-0059 EA 4" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	98.33 18.11 2.33 13.98	31.09
22 13 16 00-0060 EA 5" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	122.87 22.83 2.88 17.29	38.45
22 13 16 00-0061 EA 6" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	142.00 27.19 3.22 19.29	42.88
22 13 16 00-0062 EA 8" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	280.62 68.03 4.31 25.87	57.52
22 13 16 00-0063 EA 10" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	391.92 99.93 5.32 31.93	70.97
22 13 16 00-0064 EA 12" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	631.96 172.90 6.90 41.39	92.04
 22 13 16 00-0065 Bell And Spigot Cast Iron Wyes (22 13 16 00-0029)		
22 13 16 00-0066 EA 2" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.17 5.57 3.11 18.68	41.52
22 13 16 00-0067 EA 3" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.95 10.42 3.41 20.45	45.47
22 13 16 00-0068 EA 4" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	128.94 13.87 4.47 26.79	59.59
22 13 16 00-0069 EA 5" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	165.28 23.11 4.96 29.78	66.18

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0070	EA		6" Bell And Spigot Cast Iron Wye	207.10	78.44
			<i>For Extra Heavy Fittings, Add</i>	31.31	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.88	
			<i>For Work In Restricted Working Space, Add</i>	35.29	
22 13 16 00-0071	EA		8" Bell And Spigot Cast Iron Wye	376.88	105.04
			<i>For Extra Heavy Fittings, Add</i>	76.78	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.88	
			<i>For Work In Restricted Working Space, Add</i>	47.25	
22 13 16 00-0072	EA		10" Bell And Spigot Cast Iron Wye	526.85	119.17
			<i>For Extra Heavy Fittings, Add</i>	121.87	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.93	
			<i>For Work In Restricted Working Space, Add</i>	53.60	
22 13 16 00-0073	EA		12" Bell And Spigot Cast Iron Wye	777.66	145.06
			<i>For Extra Heavy Fittings, Add</i>	196.06	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.87	
			<i>For Work In Restricted Working Space, Add</i>	65.24	
22 13 16 00-0074			Bell And Spigot Cast Iron Reducing Wyes <small>(22 13 16 00-0029)</small>		
22 13 16 00-0075	EA		3" x 2" Bell And Spigot Cast Iron Reducing Wye	122.24	43.39
			<i>For Extra Heavy Fittings, Add</i>	20.01	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.25	
			<i>For Work In Restricted Working Space, Add</i>	19.52	
22 13 16 00-0076	EA		4" x 2" Bell And Spigot Cast Iron Reducing Wye	148.84	53.63
			<i>For Extra Heavy Fittings, Add</i>	23.94	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.02	
			<i>For Work In Restricted Working Space, Add</i>	24.13	
22 13 16 00-0077	EA		4" x 3" Bell And Spigot Cast Iron Reducing Wye	165.76	54.99
			<i>For Extra Heavy Fittings, Add</i>	29.15	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.12	
			<i>For Work In Restricted Working Space, Add</i>	24.74	
22 13 16 00-0078	EA		6" x 2" Bell And Spigot Cast Iron Reducing Wye	244.15	70.29
			<i>For Extra Heavy Fittings, Add</i>	48.58	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.27	
			<i>For Work In Restricted Working Space, Add</i>	31.60	
22 13 16 00-0079	EA		6" x 3" Bell And Spigot Cast Iron Reducing Wye	250.44	71.58
			<i>For Extra Heavy Fittings, Add</i>	50.09	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.37	
			<i>For Work In Restricted Working Space, Add</i>	32.20	
22 13 16 00-0080	EA		6" x 4" Bell And Spigot Cast Iron Reducing Wye	262.23	76.36
			<i>For Extra Heavy Fittings, Add</i>	51.71	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.73	
			<i>For Work In Restricted Working Space, Add</i>	34.35	
22 13 16 00-0081	EA		8" x 2" Bell And Spigot Cast Iron Reducing Wye	384.08	84.47
			<i>For Extra Heavy Fittings, Add</i>	90.11	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.33	
			<i>For Work In Restricted Working Space, Add</i>	37.99	
22 13 16 00-0082	EA		8" x 3" Bell And Spigot Cast Iron Reducing Wye	401.37	86.09
			<i>For Extra Heavy Fittings, Add</i>	95.31	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.45	
			<i>For Work In Restricted Working Space, Add</i>	38.72	
22 13 16 00-0083	EA		8" x 4" Bell And Spigot Cast Iron Reducing Wye	411.15	90.16
			<i>For Extra Heavy Fittings, Add</i>	96.59	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.76	
			<i>For Work In Restricted Working Space, Add</i>	40.56	
22 13 16 00-0084	EA		8" x 6" Bell And Spigot Cast Iron Reducing Wye	485.51	100.29
			<i>For Extra Heavy Fittings, Add</i>	117.29	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.52	
			<i>For Work In Restricted Working Space, Add</i>	45.12	
22 13 16 00-0085	EA		10" x 3" Bell And Spigot Cast Iron Reducing Wye	597.31	93.98
			<i>For Extra Heavy Fittings, Add</i>	159.74	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.05	
			<i>For Work In Restricted Working Space, Add</i>	42.27	
22 13 16 00-0086	EA		10" x 4" Bell And Spigot Cast Iron Reducing Wye	621.37	98.11
			<i>For Extra Heavy Fittings, Add</i>	165.99	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.36	
			<i>For Work In Restricted Working Space, Add</i>	44.14	
22 13 16 00-0087	EA		10" x 6" Bell And Spigot Cast Iron Reducing Wye	679.83	108.48
			<i>For Extra Heavy Fittings, Add</i>	181.03	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.13	
			<i>For Work In Restricted Working Space, Add</i>	48.78	
22 13 16 00-0088	EA		10" x 8" Bell And Spigot Cast Iron Reducing Wye	897.58	115.05
			<i>For Extra Heavy Fittings, Add</i>	253.78	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.62	
			<i>For Work In Restricted Working Space, Add</i>	51.75	
22 13 16 00-0089	EA		12" x 4" Bell And Spigot Cast Iron Reducing Wye	923.69	115.05
			<i>For Extra Heavy Fittings, Add</i>	262.92	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.62	
			<i>For Work In Restricted Working Space, Add</i>	51.75	
22 13 16 00-0090	EA		12" x 6" Bell And Spigot Cast Iron Reducing Wye	961.59	124.68
			<i>For Extra Heavy Fittings, Add</i>	271.13	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.35	
			<i>For Work In Restricted Working Space, Add</i>	56.08	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0091	EA			12" x 8" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,128.47 326.31 9.81 58.85	130.86
22 13 16 00-0092	EA			12" x 10" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,370.63 409.01 10.10 60.61	134.74
22 13 16 00-0093				Bell And Spigot Cast Iron Combination Wye And 1/8 Bends <small>(22 13 16 00-0029)</small>		
22 13 16 00-0094	EA			2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.97 7.95 3.11 18.68	41.52
22 13 16 00-0095	EA			3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.14 11.89 3.41 20.45	45.47
22 13 16 00-0096	EA			4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	136.24 16.43 4.47 26.79	59.59
22 13 16 00-0097	EA			5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	189.09 29.76 5.20 31.22	69.43
22 13 16 00-0098	EA			6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	236.76 37.68 6.45 38.73	86.12
22 13 16 00-0099	EA			8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	431.67 91.74 8.48 50.87	113.11
22 13 16 00-0100	EA			10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	622.20 139.96 11.12 66.69	148.31
22 13 16 00-0101	EA			12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	833.83 191.80 14.29 85.75	190.64
22 13 16 00-0102				Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends <small>(22 13 16 00-0029)</small>		
22 13 16 00-0103	EA			3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.55 8.92 3.25 19.52	43.39
22 13 16 00-0104	EA			4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	127.23 16.38 4.02 24.13	53.63
22 13 16 00-0105	EA			4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.24 19.17 4.12 24.74	54.99
22 13 16 00-0106	EA			6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	203.25 34.27 5.27 31.60	70.29
22 13 16 00-0107	EA			6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	211.61 36.49 5.37 32.20	71.58
22 13 16 00-0108	EA			6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	224.34 38.44 5.73 34.35	76.36
22 13 16 00-0109	EA			8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	308.11 63.52 6.33 37.99	84.47
22 13 16 00-0110	EA			8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	316.67 63.52 6.76 40.56	90.16
22 13 16 00-0111	EA			8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	399.53 87.20 7.52 45.12	100.29
22 13 16 00-0112				Bell And Spigot Cast Iron Double Wyes <small>(22 13 16 00-0029)</small>		

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0113 EA 2" Bell And Spigot Cast Iron Double Wye	137.23	49.67
For Extra Heavy Fittings, Add	21.98	
For Above Ground Cast Iron Pipe Installation, Add	3.72	
For Work In Restricted Working Space, Add	22.33	
22 13 16 00-0114 EA 3" Bell And Spigot Cast Iron Double Wye	199.29	62.62
For Extra Heavy Fittings, Add	36.90	
For Above Ground Cast Iron Pipe Installation, Add	4.69	
For Work In Restricted Working Space, Add	28.16	
22 13 16 00-0115 EA 4" Bell And Spigot Cast Iron Double Wye	270.15	79.21
For Extra Heavy Fittings, Add	52.98	
For Above Ground Cast Iron Pipe Installation, Add	5.94	
For Work In Restricted Working Space, Add	35.64	
22 13 16 00-0116 EA 6" Bell And Spigot Cast Iron Double Wye	516.48	120.52
For Extra Heavy Fittings, Add	117.52	
For Above Ground Cast Iron Pipe Installation, Add	9.04	
For Work In Restricted Working Space, Add	54.21	
22 13 16 00-0117 EA 8" Bell And Spigot Cast Iron Double Wye	1,030.15	141.99
For Extra Heavy Fittings, Add	286.06	
For Above Ground Cast Iron Pipe Installation, Add	10.64	
For Work In Restricted Working Space, Add	63.86	
22 13 16 00-0118 EA 10" Bell And Spigot Cast Iron Double Wye	1,364.17	158.88
For Extra Heavy Fittings, Add	394.09	
For Above Ground Cast Iron Pipe Installation, Add	11.91	
For Work In Restricted Working Space, Add	71.46	
22 13 16 00-0119 EA 12" Bell And Spigot Cast Iron Double Wye	948.69	190.64
For Extra Heavy Fittings, Add	232.00	
For Above Ground Cast Iron Pipe Installation, Add	14.29	
For Work In Restricted Working Space, Add	85.75	
22 13 16 00-0120 EA 15" Bell And Spigot Cast Iron Double Wye	2,663.41	200.08
For Extra Heavy Fittings, Add	827.15	
For Above Ground Cast Iron Pipe Installation, Add	15.01	
For Work In Restricted Working Space, Add	90.04	
22 13 16 00-0121 Bell And Spigot Cast Iron Reducing Double Wyes (22 13 16 00-0029)		
22 13 16 00-0122 EA 3" x 2" Bell And Spigot Cast Iron Reducing Double Wye	125.15	58.74
For Extra Heavy Fittings, Add	12.97	
For Above Ground Cast Iron Pipe Installation, Add	4.41	
For Work In Restricted Working Space, Add	26.43	
22 13 16 00-0123 EA 4" x 2" Bell And Spigot Cast Iron Reducing Double Wye	145.38	67.48
For Extra Heavy Fittings, Add	15.47	
For Above Ground Cast Iron Pipe Installation, Add	5.06	
For Work In Restricted Working Space, Add	30.36	
22 13 16 00-0124 EA 4" x 3" Bell And Spigot Cast Iron Reducing Double Wye	157.37	70.79
For Extra Heavy Fittings, Add	17.92	
For Above Ground Cast Iron Pipe Installation, Add	5.31	
For Work In Restricted Working Space, Add	31.85	
22 13 16 00-0125 EA 6" x 2" Bell And Spigot Cast Iron Reducing Double Wye	201.73	83.60
For Extra Heavy Fittings, Add	26.74	
For Above Ground Cast Iron Pipe Installation, Add	6.27	
For Work In Restricted Working Space, Add	37.60	
22 13 16 00-0126 EA 6" x 3" Bell And Spigot Cast Iron Reducing Double Wye	213.78	86.79
For Extra Heavy Fittings, Add	29.29	
For Above Ground Cast Iron Pipe Installation, Add	6.51	
For Work In Restricted Working Space, Add	39.03	
22 13 16 00-0127 EA 6" x 4" Bell And Spigot Cast Iron Reducing Double Wye	245.80	94.64
For Extra Heavy Fittings, Add	36.37	
For Above Ground Cast Iron Pipe Installation, Add	7.09	
For Work In Restricted Working Space, Add	42.57	
22 13 16 00-0128 EA 8" x 4" Bell And Spigot Cast Iron Reducing Double Wye	394.71	109.42
For Extra Heavy Fittings, Add	80.75	
For Above Ground Cast Iron Pipe Installation, Add	8.20	
For Work In Restricted Working Space, Add	49.20	
22 13 16 00-0129 EA 8" x 6" Bell And Spigot Cast Iron Reducing Double Wye	430.27	129.49
For Extra Heavy Fittings, Add	82.64	
For Above Ground Cast Iron Pipe Installation, Add	9.71	
For Work In Restricted Working Space, Add	58.25	
22 13 16 00-0130 EA 10" x 4" Bell And Spigot Cast Iron Reducing Double Wye	420.50	117.04
For Extra Heavy Fittings, Add	85.75	
For Above Ground Cast Iron Pipe Installation, Add	8.78	
For Work In Restricted Working Space, Add	52.65	
22 13 16 00-0131 EA 10" x 6" Bell And Spigot Cast Iron Reducing Double Wye	490.10	137.50
For Extra Heavy Fittings, Add	99.37	
For Above Ground Cast Iron Pipe Installation, Add	10.31	
For Work In Restricted Working Space, Add	61.85	
22 13 16 00-0132 EA 10" x 8" Bell And Spigot Cast Iron Reducing Double Wye	603.29	149.87
For Extra Heavy Fittings, Add	132.50	
For Above Ground Cast Iron Pipe Installation, Add	11.24	
For Work In Restricted Working Space, Add	67.41	
22 13 16 00-0133 EA 12" x 6" Bell And Spigot Cast Iron Reducing Double Wye	616.21	153.31
For Extra Heavy Fittings, Add	135.22	
For Above Ground Cast Iron Pipe Installation, Add	11.49	
For Work In Restricted Working Space, Add	68.96	



Plumbing	22	22
Plumbing Piping	22 10	
Facility Sanitary Sewerage	22 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0134 EA 12" x 8" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	786.72 187.82 12.51 75.03	166.81
22 13 16 00-0135 Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0029)		
22 13 16 00-0136 EA 2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.73 14.10 3.72 22.33	49.67
22 13 16 00-0137 EA 3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	154.50 19.20 4.98 29.89	66.44
22 13 16 00-0138 EA 4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	201.75 27.02 6.23 37.37	83.09
22 13 16 00-0139 EA 6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	441.30 83.77 10.10 60.59	134.70
22 13 16 00-0140 Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0029)		
22 13 16 00-0141 EA 3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	152.99 22.29 4.47 26.79	59.59
22 13 16 00-0142 EA 4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	181.42 28.08 5.06 30.36	67.48
22 13 16 00-0143 EA 4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	203.66 31.87 5.63 33.78	75.13
22 13 16 00-0144 EA 6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	406.16 89.43 7.53 45.20	100.47
22 13 16 00-0145 Bell And Spigot Cast Iron Sanitary Tees (22 13 16 00-0029)		
22 13 16 00-0146 EA 2" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.73 10.99 3.12 18.70	41.58
22 13 16 00-0147 EA 3" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.51 13.42 3.41 20.45	45.47
22 13 16 00-0148 EA 4" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	170.80 30.54 4.18 25.07	55.69
22 13 16 00-0149 EA 5" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	247.15 54.37 4.59 27.55	61.21
22 13 16 00-0150 EA 6" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	296.49 65.24 5.50 33.03	73.42
22 13 16 00-0151 EA 8" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	634.68 171.77 7.20 43.17	95.98
22 13 16 00-0152 EA 10" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	952.82 272.06 8.78 52.65	117.04
22 13 16 00-0153 EA 12" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,420.40 424.98 10.31 61.85	137.50
22 13 16 00-0154 Bell And Spigot Cast Iron Reducing Sanitary Tees (22 13 16 00-0029)		

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0155 EA 3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	125.22	43.39
For Extra Heavy Fittings, Add	21.05	
For Above Ground Cast Iron Pipe Installation, Add	3.25	
For Work In Restricted Working Space, Add	19.52	
22 13 16 00-0156 EA 4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	148.25	50.84
For Extra Heavy Fittings, Add	25.22	
For Above Ground Cast Iron Pipe Installation, Add	3.81	
For Work In Restricted Working Space, Add	22.86	
22 13 16 00-0157 EA 4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	155.19	50.84
For Extra Heavy Fittings, Add	27.65	
For Above Ground Cast Iron Pipe Installation, Add	3.81	
For Work In Restricted Working Space, Add	22.86	
22 13 16 00-0158 EA 6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	234.89	70.29
For Extra Heavy Fittings, Add	45.34	
For Above Ground Cast Iron Pipe Installation, Add	5.27	
For Work In Restricted Working Space, Add	31.60	
22 13 16 00-0159 EA 6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	244.49	71.58
For Extra Heavy Fittings, Add	48.00	
For Above Ground Cast Iron Pipe Installation, Add	5.37	
For Work In Restricted Working Space, Add	32.20	
22 13 16 00-0160 EA 6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	265.20	76.36
For Extra Heavy Fittings, Add	52.75	
For Above Ground Cast Iron Pipe Installation, Add	5.73	
For Work In Restricted Working Space, Add	34.35	
22 13 16 00-0161 EA 8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	450.48	90.16
For Extra Heavy Fittings, Add	110.35	
For Above Ground Cast Iron Pipe Installation, Add	6.76	
For Work In Restricted Working Space, Add	40.56	
22 13 16 00-0162 EA 8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee	565.15	100.29
For Extra Heavy Fittings, Add	145.17	
For Above Ground Cast Iron Pipe Installation, Add	7.52	
For Work In Restricted Working Space, Add	45.12	
22 13 16 00-0163 Bell And Spigot Cast Iron Vent Tees (22 13 16 00-0029)		
22 13 16 00-0164 EA 2" Bell And Spigot Cast Iron Vent Tee	80.61	41.52
For Extra Heavy Fittings, Add	6.42	
For Above Ground Cast Iron Pipe Installation, Add	3.11	
For Work In Restricted Working Space, Add	18.68	
22 13 16 00-0165 EA 3" Bell And Spigot Cast Iron Vent Tee	100.10	45.47
For Extra Heavy Fittings, Add	11.18	
For Above Ground Cast Iron Pipe Installation, Add	3.41	
For Work In Restricted Working Space, Add	20.45	
22 13 16 00-0166 EA 4" Bell And Spigot Cast Iron Vent Tee	132.57	59.59
For Extra Heavy Fittings, Add	15.14	
For Above Ground Cast Iron Pipe Installation, Add	4.47	
For Work In Restricted Working Space, Add	26.79	
22 13 16 00-0167 EA 5" Bell And Spigot Cast Iron Vent Tee	168.60	69.43
For Extra Heavy Fittings, Add	22.59	
For Above Ground Cast Iron Pipe Installation, Add	5.20	
For Work In Restricted Working Space, Add	31.22	
22 13 16 00-0168 EA 6" Bell And Spigot Cast Iron Vent Tee	212.24	86.12
For Extra Heavy Fittings, Add	29.10	
For Above Ground Cast Iron Pipe Installation, Add	6.45	
For Work In Restricted Working Space, Add	38.73	
22 13 16 00-0169 EA 8" Bell And Spigot Cast Iron Vent Tee	363.06	113.11
For Extra Heavy Fittings, Add	67.73	
For Above Ground Cast Iron Pipe Installation, Add	8.48	
For Work In Restricted Working Space, Add	50.87	
22 13 16 00-0170 Bell And Spigot Cast Iron Tapped Sanitary Tees (22 13 16 00-0029)		
22 13 16 00-0171 EA 2" Bell And Spigot Cast Iron Tapped Sanitary Tee	82.76	41.52
For Extra Heavy Fittings, Add	7.17	
For Above Ground Cast Iron Pipe Installation, Add	3.11	
For Work In Restricted Working Space, Add	18.68	
22 13 16 00-0172 EA 3" Bell And Spigot Cast Iron Tapped Sanitary Tee	91.34	45.47
For Extra Heavy Fittings, Add	8.11	
For Above Ground Cast Iron Pipe Installation, Add	3.41	
For Work In Restricted Working Space, Add	20.45	
22 13 16 00-0173 EA 4" Bell And Spigot Cast Iron Tapped Sanitary Tee	117.86	59.59
For Extra Heavy Fittings, Add	9.99	
For Above Ground Cast Iron Pipe Installation, Add	4.47	
For Work In Restricted Working Space, Add	26.79	
22 13 16 00-0174 Bell And Spigot Cast Iron Tapped Sanitary Crosses (22 13 16 00-0029)		
22 13 16 00-0175 EA 2" Bell And Spigot Cast Iron Tapped Sanitary Cross	84.12	41.52
For Extra Heavy Fittings, Add	7.65	
For Above Ground Cast Iron Pipe Installation, Add	3.11	
For Work In Restricted Working Space, Add	18.68	
22 13 16 00-0176 EA 3" Bell And Spigot Cast Iron Tapped Sanitary Cross	93.91	45.47
For Extra Heavy Fittings, Add	9.01	
For Above Ground Cast Iron Pipe Installation, Add	3.41	
For Work In Restricted Working Space, Add	20.45	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0177	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Cross..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	124.34 12.26 4.47 26.79	59.59
	22 13 16 00-0178			Bell And Spigot Cast Iron Reducers (22 13 16 00-0029)		
	22 13 16 00-0179	EA		3" x 2" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.61 4.06 1.75 10.50	23.38
	22 13 16 00-0180	EA		4" x 2" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.39 4.25 2.31 13.88	30.83
	22 13 16 00-0181	EA		4" x 3" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.35 5.52 2.33 13.98	31.09
	22 13 16 00-0182	EA		6" x 2" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.66 8.02 2.79 16.73	37.17
	22 13 16 00-0183	EA		6" x 3" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.24 9.01 2.83 16.95	37.66
	22 13 16 00-0184	EA		6" x 4" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.86 9.53 2.88 17.29	38.45
	22 13 16 00-0185	EA		8" x 2" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.68 17.59 2.97 17.82	39.63
	22 13 16 00-0186	EA		8" x 3" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	123.82 17.78 3.65 21.91	48.71
	22 13 16 00-0187	EA		8" x 4" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	127.08 18.25 3.75 22.48	49.96
	22 13 16 00-0188	EA		8" x 6" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	131.27 18.59 3.91 23.45	52.14
	22 13 16 00-0189	EA		10" x 4" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	163.77 26.60 4.39 26.33	58.52
	22 13 16 00-0190	EA		10" x 6" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	172.66 28.16 4.61 27.66	61.46
	22 13 16 00-0191	EA		10" x 8" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	183.93 30.71 4.81 28.86	64.16
	22 13 16 00-0192	EA		12" x 4" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	228.30 43.44 5.21 31.26	69.53
	22 13 16 00-0193	EA		12" x 6" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	254.72 46.45 6.10 36.60	81.35
	22 13 16 00-0194	EA		12" x 8" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	275.60 47.83 6.95 41.68	92.66
	22 13 16 00-0195	EA		12" x 10" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	302.05 49.71 8.00 48.00	106.73
	22 13 16 00-0196			Bell And Spigot Cast Iron P-Traps (22 13 16 00-0029)		
	22 13 16 00-0197	EA		2" Bell And Spigot Cast Iron P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.68 6.94 1.39 8.36	18.59



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0198	EA		3" Bell And Spigot Cast Iron P-Trap.....	63.86	23.38
			<i>For Extra Heavy Fittings, Add</i>	10.10	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.75	
			<i>For Work In Restricted Working Space, Add</i>	10.50	
22 13 16 00-0199	EA		4" Bell And Spigot Cast Iron P-Trap.....	87.01	31.09
			<i>For Extra Heavy Fittings, Add</i>	14.15	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.33	
			<i>For Work In Restricted Working Space, Add</i>	13.98	
22 13 16 00-0200	EA		5" Bell And Spigot Cast Iron P-Trap.....	138.22	34.41
			<i>For Extra Heavy Fittings, Add</i>	30.33	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.58	
			<i>For Work In Restricted Working Space, Add</i>	15.47	
22 13 16 00-0201	EA		6" Bell And Spigot Cast Iron P-Trap.....	185.47	40.48
			<i>For Extra Heavy Fittings, Add</i>	43.68	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.03	
			<i>For Work In Restricted Working Space, Add</i>	18.20	
22 13 16 00-0202	EA		8" Bell And Spigot Cast Iron P-Trap.....	411.29	52.14
			<i>For Extra Heavy Fittings, Add</i>	116.60	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.91	
			<i>For Work In Restricted Working Space, Add</i>	23.45	
22 13 16 00-0203	EA		10" Bell And Spigot Cast Iron P-Trap.....	456.09	64.16
			<i>For Extra Heavy Fittings, Add</i>	125.97	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.81	
			<i>For Work In Restricted Working Space, Add</i>	28.86	
22 13 16 00-0204			Bell And Spigot Cast Iron Deep Seal P-Traps (22 13 16 00-0029)		
22 13 16 00-0205	EA		2" Bell And Spigot Cast Iron Deep Seal P-Trap	55.21	18.59
			<i>For Extra Heavy Fittings, Add</i>	9.58	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.39	
			<i>For Work In Restricted Working Space, Add</i>	8.36	
22 13 16 00-0206	EA		3" Bell And Spigot Cast Iron Deep Seal P-Trap	78.67	23.38
			<i>For Extra Heavy Fittings, Add</i>	15.28	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.75	
			<i>For Work In Restricted Working Space, Add</i>	10.50	
22 13 16 00-0207	EA		4" Bell And Spigot Cast Iron Deep Seal P-Trap	114.54	31.09
			<i>For Extra Heavy Fittings, Add</i>	23.78	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.33	
			<i>For Work In Restricted Working Space, Add</i>	13.98	
22 13 16 00-0208	EA		5" Bell And Spigot Cast Iron Deep Seal P-Trap	187.81	38.45
			<i>For Extra Heavy Fittings, Add</i>	45.56	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.88	
			<i>For Work In Restricted Working Space, Add</i>	17.29	
22 13 16 00-0209	EA		6" Bell And Spigot Cast Iron Deep Seal P-Trap	199.35	42.88
			<i>For Extra Heavy Fittings, Add</i>	47.26	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.22	
			<i>For Work In Restricted Working Space, Add</i>	19.29	
22 13 16 00-0210			Bell And Spigot Cast Iron Running Traps With Single Vent (22 13 16 00-0029)		
22 13 16 00-0211	EA		3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent.....	127.40	44.88
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.41	
			<i>For Work In Restricted Working Space, Add</i>	20.45	
22 13 16 00-0212	EA		4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	169.94	59.00
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.47	
			<i>For Work In Restricted Working Space, Add</i>	26.79	
22 13 16 00-0213	EA		5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	229.35	66.79
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.05	
			<i>For Work In Restricted Working Space, Add</i>	30.29	
22 13 16 00-0214	EA		6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	460.06	75.69
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.73	
			<i>For Work In Restricted Working Space, Add</i>	34.35	
22 13 16 00-0215	EA		8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	1,507.09	89.16
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.76	
			<i>For Work In Restricted Working Space, Add</i>	40.56	
22 13 16 00-0216	EA		8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent.....	1,631.83	99.48
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.52	
			<i>For Work In Restricted Working Space, Add</i>	45.12	
22 13 16 00-0217			Bell And Spigot Cast Running Traps With Double Vent (22 13 16 00-0029)		
22 13 16 00-0218	EA		3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent.....	163.06	61.98
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.69	
			<i>For Work In Restricted Working Space, Add</i>	28.16	
22 13 16 00-0219	EA		4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	222.59	78.23
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.94	
			<i>For Work In Restricted Working Space, Add</i>	35.64	
22 13 16 00-0220	EA		6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	512.97	93.54
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.09	
			<i>For Work In Restricted Working Space, Add</i>	42.57	
22 13 16 00-0221	EA		6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent.....	595.04	113.22
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.58	
			<i>For Work In Restricted Working Space, Add</i>	51.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0222 EA 8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,623.37 8.20 49.20	108.11
22 13 16 00-0223 EA 8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,781.47 9.71 58.25	128.36
22 13 16 00-0224 EA 10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,369.20 11.24 67.41	148.12
22 13 16 00-0225 EA 12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,278.81 12.97 77.83	171.26
22 13 16 00-0226 EA 15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,381.34 15.01 90.07	198.08
22 13 16 00-0227 Bell And Spigot Cast Iron Scission Joint Fittings (22 13 16 00-0029)		
22 13 16 00-0228 EA 2" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	98.57 1.39 8.34	
22 13 16 00-0229 EA 3" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	135.94 1.56 9.37	
22 13 16 00-0230 EA 4" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	156.99 2.09 12.55	
22 13 16 00-0231 EA 5" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	193.86 2.43 14.57	
22 13 16 00-0232 EA 6" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	235.42 2.93 17.60	
22 13 16 00-0233 EA 8" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	445.85 3.71 22.25	
22 13 16 00-0234 Cut And Prepare Existing In-Place Cast Iron Pipe (22 13 16 00-0019)		
Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0235 EA 2", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	7.74 0.39 2.32	
22 13 16 00-0236 EA 3", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.45 0.42 2.54	
22 13 16 00-0237 EA 4", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.55 0.53 3.17	
22 13 16 00-0238 EA 6", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.66 0.63 3.80	
22 13 16 00-0239 EA 8", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.88 0.84 5.06	
22 13 16 00-0240 EA 10", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.69 0.98 5.91	
22 13 16 00-0241 EA 12", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.21 1.16 6.96	
22 13 16 00-0242 Joint Material (22 13 16 00-0019)		
Note: Labor costs are included in the installation costs for fittings.		
22 13 16 00-0243 LB Lead (1 LB/Diameter Inch) Joint Material	1.55	
22 13 16 00-0244 LB Oakum (1/8 LB/Diameter Inch) Joint Material	6.87	
22 13 16 00-0245 EA 2" Dual Tite Rubber Gasket	0.72	
22 13 16 00-0246 EA 3" Dual Tite Rubber Gasket	0.99	
22 13 16 00-0247 EA 4" Dual Tite Rubber Gasket	1.23	
22 13 16 00-0248 EA 6" Dual Tite Rubber Gasket	2.04	
22 13 16 00-0249 EA 8" Dual Tite Rubber Gasket	4.49	
22 13 16 00-0250 EA 10" Dual Tite Rubber Gasket	6.89	
22 13 16 00-0251 EA 12" Dual Tite Rubber Gasket	8.78	
22 13 16 00-0252 No Hub Cast Iron Soil Pipe And Fittings (22 13 16)		
Note: Service Weight. Excludes hangers.		
22 13 16 00-0253 No Hub Cast Iron Pipe (22 13 16 00-0252)		
Note: Excludes couplings.		
22 13 16 00-0254 LF 1-1/2" No Hub Cast Iron Pipe	9.11	3.88
<i>For Below Ground Installation, Add</i>	0.29	
<i>For Work In Restricted Working Space, Add</i>	1.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0255 LF 2" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.70 0.31 1.88	4.14
22 13 16 00-0256 LF 3" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.82 0.45 2.72	6.02
22 13 16 00-0257 LF 4" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.94 0.59 3.53	7.84
22 13 16 00-0258 LF 5" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.65 0.70 4.22	9.39
22 13 16 00-0259 LF 6" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.96 0.77 4.60	10.25
22 13 16 00-0260 LF 8" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.99 1.10 6.60	14.69
22 13 16 00-0261 LF 10" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.20 1.25 7.50	16.70
22 13 16 00-0262 No Hub Cast Iron Fittings (22 13 16 00-0252)		
22 13 16 00-0263 No Hub Cast Iron Long Sweeps (22 13 16 00-0262)		
22 13 16 00-0264 EA 1-1/2" No Hub Cast Iron Long Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.74 1.38 8.27	18.39
22 13 16 00-0265 EA 2" No Hub Cast Iron Long Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.95 1.38 8.27	18.39
22 13 16 00-0266 EA 3" No Hub Cast Iron Long Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.10 1.58 9.48	21.05
22 13 16 00-0267 EA 4" No Hub Cast Iron Long Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.44 2.09 12.53	27.85
22 13 16 00-0268 EA 5" No Hub Cast Iron Long Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.26 2.32 13.93	30.97
22 13 16 00-0269 EA 6" No Hub Cast Iron Long Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.40 2.77 16.62	36.92
22 13 16 00-0270 EA 8" No Hub Cast Iron Long Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	164.40 3.57 21.44	47.64
22 13 16 00-0271 No Hub Cast Iron Reducing Long Sweeps (22 13 16 00-0262)		
22 13 16 00-0272 EA 3" x 2" No Hub Cast Iron Reducing Long Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.76 1.58 9.48	21.05
22 13 16 00-0273 EA 4" x 3" No Hub Cast Iron Reducing Long Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.95 2.09 12.53	27.85
22 13 16 00-0274 No Hub Cast Iron Short Sweeps (22 13 16 00-0262)		
22 13 16 00-0275 EA 2" No Hub Cast Iron Short Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.21 1.38 8.27	18.39
22 13 16 00-0276 EA 3" No Hub Cast Iron Short Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.72 1.58 9.48	21.05
22 13 16 00-0277 EA 4" No Hub Cast Iron Short Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.72 2.09 12.53	27.85
22 13 16 00-0278 EA 5" No Hub Cast Iron Short Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.53 2.32 13.93	30.97
22 13 16 00-0279 EA 6" No Hub Cast Iron Short Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.17 2.77 16.62	36.92
22 13 16 00-0280 EA 8" No Hub Cast Iron Short Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	151.63 3.57 21.44	47.64
22 13 16 00-0281 EA 10" No Hub Cast Iron Short Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	241.07 5.00 30.01	66.71
22 13 16 00-0282 No Hub Cast Iron 1/4 Bends (22 13 16 00-0262)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0283 EA 1-1/2" No Hub Cast Iron 1/4 Bend	31.58	17.62
<i>For Below Ground Installation, Add</i>	1.32	
<i>For Work In Restricted Working Space, Add</i>	7.93	
22 13 16 00-0284 EA 2" No Hub Cast Iron 1/4 Bend	33.01	18.39
<i>For Below Ground Installation, Add</i>	1.38	
<i>For Work In Restricted Working Space, Add</i>	8.27	
22 13 16 00-0285 EA 3" No Hub Cast Iron 1/4 Bend	38.78	21.05
<i>For Below Ground Installation, Add</i>	1.58	
<i>For Work In Restricted Working Space, Add</i>	9.48	
22 13 16 00-0286 EA 4" No Hub Cast Iron 1/4 Bend	52.43	27.85
<i>For Below Ground Installation, Add</i>	2.09	
<i>For Work In Restricted Working Space, Add</i>	12.53	
22 13 16 00-0287 EA 5" No Hub Cast Iron 1/4 Bend	70.20	30.97
<i>For Below Ground Installation, Add</i>	2.32	
<i>For Work In Restricted Working Space, Add</i>	13.93	
22 13 16 00-0288 EA 6" No Hub Cast Iron 1/4 Bend	81.76	36.92
<i>For Below Ground Installation, Add</i>	2.77	
<i>For Work In Restricted Working Space, Add</i>	16.62	
22 13 16 00-0289 EA 8" No Hub Cast Iron 1/4 Bend	141.68	47.64
<i>For Below Ground Installation, Add</i>	3.57	
<i>For Work In Restricted Working Space, Add</i>	21.44	
22 13 16 00-0290 No Hub Cast Iron 1/8 Bends <small>(22 13 16 00-0262)</small>		
22 13 16 00-0291 EA 1-1/2" No Hub Cast Iron 1/8 Bend	30.48	17.62
<i>For Below Ground Installation, Add</i>	1.32	
<i>For Work In Restricted Working Space, Add</i>	7.93	
22 13 16 00-0292 EA 2" No Hub Cast Iron 1/8 Bend	31.70	18.39
<i>For Below Ground Installation, Add</i>	1.38	
<i>For Work In Restricted Working Space, Add</i>	8.27	
22 13 16 00-0293 EA 3" No Hub Cast Iron 1/8 Bend	37.49	21.05
<i>For Below Ground Installation, Add</i>	1.58	
<i>For Work In Restricted Working Space, Add</i>	9.48	
22 13 16 00-0294 EA 4" No Hub Cast Iron 1/8 Bend	49.53	27.85
<i>For Below Ground Installation, Add</i>	2.09	
<i>For Work In Restricted Working Space, Add</i>	12.53	
22 13 16 00-0295 EA 6" No Hub Cast Iron 1/8 Bend	79.38	41.12
<i>For Below Ground Installation, Add</i>	3.08	
<i>For Work In Restricted Working Space, Add</i>	18.50	
22 13 16 00-0296 EA 8" No Hub Cast Iron 1/8 Bend	128.07	54.01
<i>For Below Ground Installation, Add</i>	4.05	
<i>For Work In Restricted Working Space, Add</i>	24.29	
22 13 16 00-0297 EA 10" No Hub Cast Iron 1/8 Bend	188.50	66.44
<i>For Below Ground Installation, Add</i>	4.98	
<i>For Work In Restricted Working Space, Add</i>	29.89	
22 13 16 00-0298 No Hub Cast Iron Wyes <small>(22 13 16 00-0262)</small>		
22 13 16 00-0299 EA 1-1/2" No Hub Cast Iron Wye	48.71	27.72
<i>For Below Ground Installation, Add</i>	2.08	
<i>For Work In Restricted Working Space, Add</i>	12.46	
22 13 16 00-0300 EA 2" No Hub Cast Iron Wye.....	63.60	37.56
<i>For Below Ground Installation, Add</i>	2.82	
<i>For Work In Restricted Working Space, Add</i>	16.90	
22 13 16 00-0301 EA 3" No Hub Cast Iron Wye.....	71.63	41.12
<i>For Below Ground Installation, Add</i>	3.08	
<i>For Work In Restricted Working Space, Add</i>	18.50	
22 13 16 00-0302 EA 4" No Hub Cast Iron Wye.....	97.10	54.01
<i>For Below Ground Installation, Add</i>	4.05	
<i>For Work In Restricted Working Space, Add</i>	24.29	
22 13 16 00-0303 EA 5" No Hub Cast Iron Wye.....	125.31	60.29
<i>For Below Ground Installation, Add</i>	4.52	
<i>For Work In Restricted Working Space, Add</i>	27.12	
22 13 16 00-0304 EA 6" No Hub Cast Iron Wye.....	148.73	71.58
<i>For Below Ground Installation, Add</i>	5.37	
<i>For Work In Restricted Working Space, Add</i>	32.20	
22 13 16 00-0305 EA 8" No Hub Cast Iron Wye.....	240.16	95.35
<i>For Below Ground Installation, Add</i>	7.15	
<i>For Work In Restricted Working Space, Add</i>	42.88	
22 13 16 00-0306 EA 10" No Hub Cast Iron Wye.....	369.36	105.92
<i>For Below Ground Installation, Add</i>	7.94	
<i>For Work In Restricted Working Space, Add</i>	47.64	
22 13 16 00-0307 No Hub Cast Iron Reducing Wyes <small>(22 13 16 00-0262)</small>		
22 13 16 00-0308 EA 3" x 1-1/2" No Hub Cast Iron Reducing Wye	61.59	35.88
<i>For Below Ground Installation, Add</i>	2.69	
<i>For Work In Restricted Working Space, Add</i>	16.13	
22 13 16 00-0309 EA 3" x 2" No Hub Cast Iron Reducing Wye.....	69.52	41.12
<i>For Below Ground Installation, Add</i>	3.08	
<i>For Work In Restricted Working Space, Add</i>	18.50	
22 13 16 00-0310 EA 4" x 2" No Hub Cast Iron Reducing Wye.....	78.21	45.47
<i>For Below Ground Installation, Add</i>	3.41	
<i>For Work In Restricted Working Space, Add</i>	20.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0311 EA 4" x 3" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.20 3.79 22.73	50.51
22 13 16 00-0312 EA 6" x 2" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.67 4.57 27.41	60.91
22 13 16 00-0313 EA 6" x 3" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	120.58 4.77 28.63	63.66
22 13 16 00-0314 EA 6" x 4" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	139.07 5.58 33.46	74.40
22 13 16 00-0315 EA 8" x 4" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	168.07 5.62 33.72	74.97
22 13 16 00-0316 EA 8" x 6" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	192.26 6.18 37.05	82.41
22 13 16 00-0317 EA 10" x 4" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	277.25 6.58 39.49	87.79
22 13 16 00-0318 EA 10" x 6" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	293.25 7.05 42.27	93.98
22 13 16 00-0319 EA 10" x 8" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	333.40 7.52 45.13	100.36
22 13 16 00-0320 No Hub Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0262)		
22 13 16 00-0321 EA 1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.61 2.42 14.50	32.25
22 13 16 00-0322 EA 2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.89 2.82 16.90	37.56
22 13 16 00-0323 EA 3" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.84 3.08 18.50	41.12
22 13 16 00-0324 EA 4" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.36 4.05 24.29	54.01
22 13 16 00-0325 EA 6" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	180.95 6.23 37.37	83.09
22 13 16 00-0326 EA 8" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	301.33 7.99 47.95	106.60
22 13 16 00-0327 EA 10" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	355.69 9.66 57.96	128.89
22 13 16 00-0328 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0262)		
22 13 16 00-0329 EA 2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.25 2.82 16.90	37.56
22 13 16 00-0330 EA 3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	70.63 3.08 18.50	41.12
22 13 16 00-0331 EA 4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.42 3.41 20.45	45.47
22 13 16 00-0332 EA 4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	91.35 3.79 22.73	50.51
22 13 16 00-0333 EA 6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	120.11 4.57 27.41	60.91
22 13 16 00-0334 EA 6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	131.84 4.77 28.63	63.66
22 13 16 00-0335 EA 6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	148.93 5.58 33.46	74.40
22 13 16 00-0336 EA 8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	186.50 5.62 33.72	74.97
22 13 16 00-0337 EA 8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	234.37 6.18 37.05	82.41
22 13 16 00-0338 No Hub Cast Iron Double Wyes (22 13 16 00-0262)		



	Plumbing	22
	Plumbing Piping	22 10
	Facility Sanitary Sewerage	22 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0339 EA 2" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.16 3.50 21.00	46.70
22 13 16 00-0340 EA 3" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.94 4.26 25.57	56.86
22 13 16 00-0341 EA 4" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	131.71 4.66 27.96	62.18
22 13 16 00-0342 EA 6" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	201.60 6.76 40.57	90.23
22 13 16 00-0343 EA 8" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	361.62 9.09 54.57	121.29
22 13 16 00-0344 No Hub Cast Iron Reducing Double Wyes (22 13 16 00-0262)		
22 13 16 00-0345 EA 3" x 2" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.62 3.88 23.27	51.75
22 13 16 00-0346 EA 4" x 2" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	110.89 4.47 26.80	59.59
22 13 16 00-0347 EA 4" x 3" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	121.71 4.87 29.22	64.96
22 13 16 00-0348 EA 6" x 4" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	173.08 5.96 35.78	79.55
22 13 16 00-0349 No Hub Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0262)		
22 13 16 00-0350 EA 2" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	101.90 4.21 25.23	56.09
22 13 16 00-0351 EA 3" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	120.74 4.66 27.96	62.18
22 13 16 00-0352 EA 4" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	175.98 6.17 37.01	82.32
22 13 16 00-0353 EA 6" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	251.92 9.52 57.14	127.07
22 13 16 00-0354 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0262)		
22 13 16 00-0355 EA 3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.00 3.62 21.71	48.25
22 13 16 00-0356 EA 4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	107.89 4.21 25.23	56.09
22 13 16 00-0357 EA 4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	126.43 4.59 27.56	61.27
22 13 16 00-0358 No Hub Cast Iron Sanitary Tees (22 13 16 00-0262)		
22 13 16 00-0359 EA 1-1/2" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.56 2.04 12.22	27.14
22 13 16 00-0360 EA 2" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.96 2.82 16.90	37.56
22 13 16 00-0361 EA 3" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	70.81 3.08 18.50	41.12
22 13 16 00-0362 EA 4" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.25 4.05 24.29	54.01
22 13 16 00-0363 EA 5" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.70 4.52 27.12	60.29
22 13 16 00-0364 EA 6" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	148.46 5.37 32.20	71.58
22 13 16 00-0365 EA 8" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	263.02 7.15 42.88	95.35



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0366	EA		2" x 1-1/2" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.57 2.30 13.78	30.64
22 13 16 00-0367	EA		3" x 1-1/2" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.23 2.69 16.13	35.88
22 13 16 00-0368			No Hub Cast Iron Reducing Sanitary Tees (22 13 16 00-0262)		
22 13 16 00-0369	EA		3" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.80 2.82 16.90	37.56
22 13 16 00-0370	EA		3" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.54 2.82 16.90	37.56
22 13 16 00-0371	EA		4" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	87.07 3.81 22.86	50.84
22 13 16 00-0372	EA		4" x 3" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.20 3.81 22.86	50.84
22 13 16 00-0373	EA		5" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	111.12 4.29 25.76	57.28
22 13 16 00-0374	EA		5" x 3" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.08 4.29 25.76	57.28
22 13 16 00-0375	EA		5" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.44 4.29 25.76	57.28
22 13 16 00-0376	EA		6" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	118.86 4.47 26.84	59.68
22 13 16 00-0377	EA		8" x 6" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	210.02 6.03 36.16	80.41
22 13 16 00-0378			No Hub Cast Iron Sanitary Tapped Tees (22 13 16 00-0262)		
22 13 16 00-0379	EA		2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.22 1.38 8.27	18.39
22 13 16 00-0380	EA		3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.79 1.58 9.48	21.05
22 13 16 00-0381	EA		4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.18 2.09 12.53	27.85
22 13 16 00-0382			No Hub Cast Iron Cleanout Tees (22 13 16 00-0262)		
22 13 16 00-0383	EA		2" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.89 1.38 8.27	18.39
22 13 16 00-0384	EA		3" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.76 1.58 9.48	21.05
22 13 16 00-0385	EA		4" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.66 2.09 12.53	27.85
22 13 16 00-0386	EA		6" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.56 3.08 18.50	41.12
22 13 16 00-0387			No Hub Cast Iron Two-Way Cleanout Tees (22 13 16 00-0262)		
22 13 16 00-0388	EA		4" No Hub Cast Iron Single Two-Way Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	132.02 4.05 24.29	54.01
22 13 16 00-0389	EA		4" No Hub Cast Iron Double Two-Way Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	170.46 6.15 36.92	82.05
22 13 16 00-0390			No Hub Cast Iron Cleanout Plugs (22 13 16 00-0262)		
22 13 16 00-0391	EA		2" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.25 1.38 8.27	18.39
22 13 16 00-0392	EA		3" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.82 1.58 9.48	21.05
22 13 16 00-0393	EA		4" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.80 2.09 12.53	27.85



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0394 EA 6" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.67 3.08 18.50	41.12
22 13 16 00-0395 EA 8" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	101.55 4.05 24.29	54.01
22 13 16 00-0396 No Hub Cast Iron Sanitary Crosses <small>(22 13 16 00-0262)</small>		
22 13 16 00-0397 EA 1-1/2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.64 2.72 16.33	36.27
22 13 16 00-0398 EA 2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	67.85 2.82 16.90	37.56
22 13 16 00-0399 EA 3" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.83 3.08 18.50	41.12
22 13 16 00-0400 EA 4" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	115.07 4.05 24.29	54.01
22 13 16 00-0401 No Hub Cast Iron Reducing Sanitary Crosses <small>(22 13 16 00-0262)</small>		
22 13 16 00-0402 EA 3" x 2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.66 3.62 21.70	48.25
22 13 16 00-0403 EA 4" x 2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.53 3.72 22.34	49.67
22 13 16 00-0404 EA 4" x 3" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	105.56 3.89 23.32	51.87
22 13 16 00-0405 No Hub Cast Iron Reducers <small>(22 13 16 00-0262)</small>		
22 13 16 00-0406 EA 3" x 2" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.19 2.82 16.90	37.56
22 13 16 00-0407 EA 4" x 2" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.10 3.81 22.86	50.84
22 13 16 00-0408 EA 4" x 3" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.28 3.81 22.86	50.84
22 13 16 00-0409 EA 5" x 2" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	94.53 4.29 25.76	57.28
22 13 16 00-0410 EA 5" x 3" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.73 4.29 25.76	57.28
22 13 16 00-0411 EA 5" x 4" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.20 4.29 25.76	57.28
22 13 16 00-0412 EA 6" x 3" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	110.36 4.77 28.63	63.66
22 13 16 00-0413 EA 6" x 4" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	110.54 4.77 28.63	63.66
22 13 16 00-0414 EA 6" x 5" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	111.08 4.77 28.63	63.66
22 13 16 00-0415 EA 8" x 2" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	153.30 6.67 40.02	88.97
22 13 16 00-0416 EA 8" x 3" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	154.68 6.67 40.02	88.97
22 13 16 00-0417 EA 8" x 4" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	156.90 6.67 40.02	88.97
22 13 16 00-0418 EA 8" x 5" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	159.20 6.67 40.02	88.97
22 13 16 00-0419 EA 8" x 6" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	159.48 6.67 40.02	88.97
22 13 16 00-0420 EA 10" x 4" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	183.45 7.03 42.20	93.85
22 13 16 00-0421 EA 10" x 6" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.86 7.35 44.08	97.97



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0422	EA		10" x 8" No Hub Cast Iron Reducer	216.86	106.35
			<i>For Below Ground Installation, Add</i>	7.97	
			<i>For Work In Restricted Working Space, Add</i>	47.83	
22 13 16 00-0423			No Hub Cast Iron Blind Plugs (22 13 16 00-0262)		
22 13 16 00-0424	EA		1-1/2" No Hub Cast Iron Blind Plug.....	28.65	17.62
			<i>For Below Ground Installation, Add</i>	1.32	
			<i>For Work In Restricted Working Space, Add</i>	7.93	
22 13 16 00-0425	EA		2" No Hub Cast Iron Blind Plug.....	29.68	18.39
			<i>For Below Ground Installation, Add</i>	1.38	
			<i>For Work In Restricted Working Space, Add</i>	8.27	
22 13 16 00-0426	EA		3" No Hub Cast Iron Blind Plug.....	35.37	21.05
			<i>For Below Ground Installation, Add</i>	1.58	
			<i>For Work In Restricted Working Space, Add</i>	9.48	
22 13 16 00-0427	EA		4" No Hub Cast Iron Blind Plug.....	46.84	27.85
			<i>For Below Ground Installation, Add</i>	2.09	
			<i>For Work In Restricted Working Space, Add</i>	12.53	
22 13 16 00-0428	EA		5" No Hub Cast Iron Blind Plug.....	56.63	31.89
			<i>For Below Ground Installation, Add</i>	2.36	
			<i>For Work In Restricted Working Space, Add</i>	14.17	
22 13 16 00-0429	EA		6" No Hub Cast Iron Blind Plug.....	64.89	36.92
			<i>For Below Ground Installation, Add</i>	2.77	
			<i>For Work In Restricted Working Space, Add</i>	16.62	
22 13 16 00-0430	EA		8" No Hub Cast Iron Blind Plug.....	101.40	47.64
			<i>For Below Ground Installation, Add</i>	3.57	
			<i>For Work In Restricted Working Space, Add</i>	21.44	
22 13 16 00-0431	EA		10" No Hub Cast Iron Blind Plug.....	120.02	51.33
			<i>For Below Ground Installation, Add</i>	3.85	
			<i>For Work In Restricted Working Space, Add</i>	23.09	
22 13 16 00-0432			No Hub Cast Iron P-Traps (22 13 16 00-0262)		
22 13 16 00-0433	EA		2" No Hub Cast Iron P-Trap.....	35.40	18.39
			<i>For Below Ground Installation, Add</i>	1.38	
			<i>For Work In Restricted Working Space, Add</i>	8.27	
22 13 16 00-0434	EA		3" No Hub Cast Iron P-Trap.....	49.47	21.05
			<i>For Below Ground Installation, Add</i>	1.58	
			<i>For Work In Restricted Working Space, Add</i>	9.48	
22 13 16 00-0435	EA		4" No Hub Cast Iron P-Trap.....	72.84	27.85
			<i>For Below Ground Installation, Add</i>	2.09	
			<i>For Work In Restricted Working Space, Add</i>	12.53	
22 13 16 00-0436	EA		5" No Hub Cast Iron P-Trap.....	117.85	31.22
			<i>For Below Ground Installation, Add</i>	2.34	
			<i>For Work In Restricted Working Space, Add</i>	14.03	
22 13 16 00-0437	EA		6" No Hub Cast Iron P-Trap.....	126.96	37.23
			<i>For Below Ground Installation, Add</i>	2.79	
			<i>For Work In Restricted Working Space, Add</i>	16.75	
22 13 16 00-0438			No Hub Cast Iron Deep Seal P-Traps (22 13 16 00-0262)		
22 13 16 00-0439	EA		2" No Hub Cast Iron Deep Seal P-Trap	53.73	23.38
			<i>For Below Ground Installation, Add</i>	1.75	
			<i>For Work In Restricted Working Space, Add</i>	10.50	
22 13 16 00-0440	EA		3" No Hub Cast Iron Deep Seal P-Trap	76.45	31.09
			<i>For Below Ground Installation, Add</i>	2.33	
			<i>For Work In Restricted Working Space, Add</i>	13.98	
22 13 16 00-0441	EA		4" No Hub Cast Iron Deep Seal P-Trap	109.44	41.06
			<i>For Below Ground Installation, Add</i>	3.08	
			<i>For Work In Restricted Working Space, Add</i>	18.46	
22 13 16 00-0442			No Hub Cast Iron Closet Flanges (22 13 16 00-0262)		
22 13 16 00-0443	EA		4" No Hub Cast Iron Closet Flange	54.21	27.85
			<i>For Below Ground Installation, Add</i>	2.09	
			<i>For Work In Restricted Working Space, Add</i>	12.53	
22 13 16 00-0444	EA		4" x 2-1/2" No Hub Cast Iron Offset Closet Flange	56.79	27.85
			<i>For Below Ground Installation, Add</i>	2.09	
			<i>For Work In Restricted Working Space, Add</i>	12.53	
22 13 16 00-0445			No Hub Cast Iron Closet Bends (22 13 16 00-0262)		
22 13 16 00-0446	EA		4" x 16" No Hub Cast Iron Closet Bend	90.45	27.85
			<i>For Below Ground Installation, Add</i>	2.09	
			<i>For Work In Restricted Working Space, Add</i>	12.53	
22 13 16 00-0447			No Hub Cast Iron Threaded Adapter (22 13 16 00-0262)		
22 13 16 00-0448	EA		1-1/4" No Hub Cast Iron Threaded Adapter.....	41.75	23.38
			<i>For Below Ground Installation, Add</i>	1.75	
			<i>For Work In Restricted Working Space, Add</i>	10.50	



Plumbing	22	22
Plumbing Piping	22 10	
Facility Sanitary Sewerage	22 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0449 EA 1-1/2" No Hub Cast Iron Threaded Adapter..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.83 1.75 10.50	23.38
22 13 16 00-0450 No Hub Couplings (22 13 16 00-0262) Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Ferenco NH).		
22 13 16 00-0451 EA 1-1/2" No Hub Coupling..... <i>For Medium Duty (Ferenco MD-2000), Add</i> <i>For Heavy Duty (Ferenco HD-4000), Add</i>	5.09 0.66 1.37	
22 13 16 00-0452 EA 2" No Hub Coupling..... <i>For Medium Duty (Ferenco MD-2000), Add</i> <i>For Heavy Duty (Ferenco HD-4000), Add</i>	5.09 0.66 1.37	
22 13 16 00-0453 EA 3" No Hub Coupling..... <i>For Medium Duty (Ferenco MD-2000), Add</i> <i>For Heavy Duty (Ferenco HD-4000), Add</i>	6.04 0.79 1.63	
22 13 16 00-0454 EA 4" No Hub Coupling..... <i>For Medium Duty (Ferenco MD-2000), Add</i> <i>For Heavy Duty (Ferenco HD-4000), Add</i>	7.17 0.93 1.94	
22 13 16 00-0455 EA 5" No Hub Coupling..... <i>For Medium Duty (Ferenco MD-2000), Add</i> <i>For Heavy Duty (Ferenco HD-4000), Add</i>	16.59 2.16 4.48	
22 13 16 00-0456 EA 6" No Hub Coupling..... <i>For Medium Duty (Ferenco MD-2000), Add</i> <i>For Heavy Duty (Ferenco HD-4000), Add</i>	18.23 2.37 4.92	
22 13 16 00-0457 EA 8" No Hub Coupling..... <i>For Medium Duty (Ferenco MD-2000), Add</i> <i>For Heavy Duty (Ferenco HD-4000), Add</i>	34.34 4.46 9.27	
22 13 16 00-0458 EA 10" No Hub Coupling..... <i>For Medium Duty (Ferenco MD-2000), Add</i> <i>For Heavy Duty (Ferenco HD-4000), Add</i>	47.30 6.15 12.77	
22 13 16 00-0459 EA 2" x 1-1/2" No Hub Reducing Coupling.....	6.04	
22 13 16 00-0460 EA 3" x 2" No Hub Reducing Coupling.....	9.37	
22 13 16 00-0461 EA 4" x 2" No Hub Reducing Coupling.....	13.07	
22 13 16 00-0462 EA 4" x 3" No Hub Reducing Coupling.....	11.14	
22 13 16 00-0463 Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts (22 13 16 00-0262) Note: For underground connections. See CSI section 22 13 16 00-0845 for additional FERNCO couplings.		
22 13 16 00-0464 EA 1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	14.89	
22 13 16 00-0465 EA 2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	15.37	
22 13 16 00-0466 EA 3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	16.14	
22 13 16 00-0467 EA 4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	18.83	
22 13 16 00-0468 EA 5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	35.55	
22 13 16 00-0469 EA 6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	48.80	
22 13 16 00-0470 EA 8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	85.50	
22 13 16 00-0471 EA 10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	130.65	
22 13 16 00-0472 Cut And Prepare Existing Pipe In-Place (22 13 16 00-0252) Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0473 EA Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub..... <i>For Work In Restricted Working Space, Add</i>	6.33 1.90	
22 13 16 00-0474 EA Cut And Prepare 2" Cast Iron Pipe, No Hub..... <i>For Work In Restricted Working Space, Add</i>	7.74 2.32	
22 13 16 00-0475 EA Cut And Prepare 3" Cast Iron Pipe, No Hub..... <i>For Work In Restricted Working Space, Add</i>	8.45 2.54	
22 13 16 00-0476 EA Cut And Prepare 4" Cast Iron Pipe, No Hub..... <i>For Work In Restricted Working Space, Add</i>	10.55 3.17	
22 13 16 00-0477 EA Cut And Prepare 6" Cast Iron Pipe, No Hub..... <i>For Work In Restricted Working Space, Add</i>	12.66 3.80	
22 13 16 00-0478 EA Cut And Prepare 8" Cast Iron Pipe, No Hub..... <i>For Work In Restricted Working Space, Add</i>	16.88 5.06	
22 13 16 00-0479 EA Cut And Prepare 10" Cast Iron Pipe, No Hub..... <i>For Work In Restricted Working Space, Add</i>	19.70 5.91	
22 13 16 00-0480 Copper Drain-Waste-Vent (DWV) Pipe (22 13 16) See CSI section 22 11 16 00-0414 for copper and brass fittings.		
22 13 16 00-0481 LF 1-1/4" Hard Drawn DWV Copper Tube/Pipe.....	8.82	3.04
22 13 16 00-0482 LF 1-1/2" Hard Drawn DWV Copper Tube/Pipe.....	10.93	3.40
22 13 16 00-0483 LF 2" Hard Drawn DWV Copper Tube/Pipe.....	16.83	4.19
22 13 16 00-0484 LF 3" Hard Drawn DWV Copper Tube/Pipe.....	33.01	5.81
22 13 16 00-0485 LF 4" Hard Drawn DWV Copper Tube/Pipe.....	44.04	6.55
22 13 16 00-0486 LF 5" Hard Drawn DWV Copper Tube/Pipe.....	119.52	7.52
22 13 16 00-0487 LF 6" Hard Drawn DWV Copper Tube/Pipe.....	149.35	11.67
22 13 16 00-0488 Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16) Note: Aboveground installation. See CSI section 33 31 11 00-0018 for underground installation.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0489			Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies <small>(22 13 16 00-0489)</small> Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
	22 13 16 00-0490	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	13.67	2.72
			<i>For Work In Restricted Working Space, Add</i>	3.73	
	22 13 16 00-0491	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	15.15	3.24
			<i>For Work In Restricted Working Space, Add</i>	4.13	
	22 13 16 00-0492	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	19.62	4.66
			<i>For Work In Restricted Working Space, Add</i>	5.12	
	22 13 16 00-0493	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	22.17	5.05
			<i>For Work In Restricted Working Space, Add</i>	5.69	
	22 13 16 00-0494	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	32.93	6.47
			<i>For Work In Restricted Working Space, Add</i>	7.57	
	22 13 16 00-0495	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	44.55	8.61
			<i>For Work In Restricted Working Space, Add</i>	9.60	
	22 13 16 00-0496	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	61.30	11.53
			<i>For Work In Restricted Working Space, Add</i>	12.51	
22 13 16 00-0497			Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <small>(22 13 16 00-0489)</small> Note: Excludes fittings or hangers.		
22 13 16 00-0498			Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) <small>(22 13 16 00-0497)</small> Note: Excludes fittings or hangers.		
	22 13 16 00-0499	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	4.56 1.21	2.72
	22 13 16 00-0500	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	5.54 1.46	3.24
	22 13 16 00-0501	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	8.35 2.09	4.66
	22 13 16 00-0502	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	9.50 2.27	5.05
	22 13 16 00-0503	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	12.64 2.76	6.14
	22 13 16 00-0504	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	18.17 3.68	8.16
	22 13 16 00-0505	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	25.40 4.91	10.91
22 13 16 00-0506			Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) <small>(22 13 16 00-0497)</small> Note: Excludes fittings or hangers.		
	22 13 16 00-0507	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	4.45 1.21	2.72
	22 13 16 00-0508	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	5.41 1.46	3.24
	22 13 16 00-0509	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	8.12 2.09	4.66
	22 13 16 00-0510	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	9.21 2.27	5.05
	22 13 16 00-0511	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	12.09 2.76	6.14
	22 13 16 00-0512	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	16.79 3.68	8.16
	22 13 16 00-0513	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	23.90 4.91	10.91
22 13 16 00-0514			Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) <small>(22 13 16 00-0489)</small>		
22 13 16 00-0515			Polyvinyl Chloride (PVC) DWV 1/4 Bends <small>(22 13 16 00-0514)</small>		
	22 13 16 00-0516	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	16.92 4.86	10.82
	22 13 16 00-0517	EA	2" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	21.64 6.22	13.80
	22 13 16 00-0518	EA	3" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	30.70 8.36	18.52
	22 13 16 00-0519	EA	4" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	38.43 9.71	21.57



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0520	EA		6" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	78.89 12.63	28.04
	22 13 16 00-0521	EA		8" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	119.69 17.00	37.76
	22 13 16 00-0522	EA		10" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	158.63 22.67	50.32
22 13 16 00-0523	Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <small>(22 13 16 00-0514)</small>					
	22 13 16 00-0524	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	18.95 4.86	10.82
	22 13 16 00-0525	EA		2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	22.80 6.22	13.80
	22 13 16 00-0526	EA		3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	33.70 8.36	18.52
	22 13 16 00-0527	EA		4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	43.93 9.71	21.57
	22 13 16 00-0528	EA		6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	68.26 12.63	28.04
	22 13 16 00-0529	EA		8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	105.72 17.00	37.76
	22 13 16 00-0530	EA		10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	158.38 22.67	50.32
22 13 16 00-0531	Polyvinyl Chloride (PVC) DWV 1/8 Bends <small>(22 13 16 00-0514)</small>					
	22 13 16 00-0532	EA		1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	17.09 4.86	10.82
	22 13 16 00-0533	EA		2" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	21.62 6.22	13.80
	22 13 16 00-0534	EA		3" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	30.45 8.36	18.52
	22 13 16 00-0535	EA		4" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	37.20 9.71	21.57
	22 13 16 00-0536	EA		6" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	75.78 12.63	28.04
	22 13 16 00-0537	EA		8" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	112.45 17.00	37.76
	22 13 16 00-0538	EA		10" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	137.35 22.67	50.32
22 13 16 00-0539	Polyvinyl Chloride (PVC) DWV Sanitary Tees <small>(22 13 16 00-0514)</small>					
	22 13 16 00-0540	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	25.57 7.28	16.20
	22 13 16 00-0541	EA		2" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	32.94 9.33	20.72
	22 13 16 00-0542	EA		3" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	46.69 12.53	27.85
	22 13 16 00-0543	EA		4" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	57.96 14.57	32.38
	22 13 16 00-0544	EA		6" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	117.72 18.95	42.03
	22 13 16 00-0545	EA		8" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	155.54 25.50	56.60
22 13 16 00-0546	Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <small>(22 13 16 00-0514)</small>					
	22 13 16 00-0547	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	28.88 7.97	17.68
	22 13 16 00-0548	EA		2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	32.04 8.65	19.17
	22 13 16 00-0549	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	30.67 8.65	19.17
	22 13 16 00-0550	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	39.71 10.78	23.96
	22 13 16 00-0551	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	41.80 11.46	25.45
	22 13 16 00-0552	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	45.54 12.14	26.94
	22 13 16 00-0553	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	55.47 12.83	28.50
	22 13 16 00-0554	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	63.60 13.89	30.83
	22 13 16 00-0555	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	111.06 17.49	38.79
	22 13 16 00-0556	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	256.56 21.86	48.50
	22 13 16 00-0557	EA		8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	267.34 23.32	51.75
22 13 16 00-0558	Polyvinyl Chloride (PVC) DWV Double Sanitary Tees <small>(22 13 16 00-0514)</small>					

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0559 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	36.27 9.71	21.57
22 13 16 00-0560 EA 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	47.15 12.44	27.59
22 13 16 00-0561 EA 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	71.67 16.71	37.11
22 13 16 00-0562 EA 4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	90.46 19.43	43.13
22 13 16 00-0563 Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees (22 13 16 00-0514)		
22 13 16 00-0564 EA 2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	42.07 11.08	24.62
22 13 16 00-0565 EA 3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	56.14 13.21	29.33
22 13 16 00-0566 EA 3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	62.92 14.57	32.38
22 13 16 00-0567 EA 4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	84.67 15.93	35.37
22 13 16 00-0568 EA 4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	92.67 18.07	40.08
22 13 16 00-0569 Polyvinyl Chloride (PVC) DWV Reducers (22 13 16 00-0514)		
22 13 16 00-0570 EA 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	19.90 5.54	12.30
22 13 16 00-0571 EA 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	26.63 6.61	14.63
22 13 16 00-0572 EA 3" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	28.14 7.28	16.20
22 13 16 00-0573 EA 4" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	34.19 7.97	17.68
22 13 16 00-0574 EA 4" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	38.10 9.03	20.08
22 13 16 00-0575 EA 6" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	75.34 10.49	23.31
22 13 16 00-0576 EA 6" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	69.66 11.17	24.81
22 13 16 00-0577 EA 8" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	133.49 13.36	29.66
22 13 16 00-0578 EA 8" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	122.58 14.81	32.90
22 13 16 00-0579 EA 10" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	158.46 17.65	39.19
22 13 16 00-0580 EA 10" x 8" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	140.86 19.83	44.04
22 13 16 00-0581 Polyvinyl Chloride (PVC) DWV P-Traps (22 13 16 00-0514)		
22 13 16 00-0582 EA 1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	26.81 7.28	16.20
22 13 16 00-0583 EA 2" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	34.54 9.33	20.72
22 13 16 00-0584 EA 3" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	58.93 12.53	27.85
22 13 16 00-0585 EA 4" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	89.46 14.57	32.38
22 13 16 00-0586 EA 6" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	135.42 18.95	42.03
22 13 16 00-0587 Polyvinyl Chloride (PVC) DWV Closet Flanges (22 13 16 00-0514)		
22 13 16 00-0588 EA 4" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	37.23 9.71	21.57
22 13 16 00-0589 EA 4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	33.50 9.03	20.08
22 13 16 00-0590 Polyvinyl Chloride (PVC) DWV Wyes (22 13 16 00-0514)		
22 13 16 00-0591 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	26.87 7.28	16.20
22 13 16 00-0592 EA 2" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	33.69 9.33	20.72
22 13 16 00-0593 EA 3" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	47.65 12.53	27.85
22 13 16 00-0594 EA 4" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	59.53 14.57	32.38
22 13 16 00-0595 EA 6" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	111.83 18.95	42.03
22 13 16 00-0596 EA 8" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	144.35 25.50	56.60
22 13 16 00-0597 EA 10" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	191.22 34.00	75.45



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0598				Polyvinyl Chloride (PVC) DWV Reducing Wyes <small>(22 13 16 00-0514)</small>		
			EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	31.16	17.68
				<i>For Work In Restricted Working Space, Add</i>	7.97	
			EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	33.39	19.17
				<i>For Work In Restricted Working Space, Add</i>	8.65	
			EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	43.12	23.96
				<i>For Work In Restricted Working Space, Add</i>	10.78	
			EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	42.75	25.45
				<i>For Work In Restricted Working Space, Add</i>	11.46	
			EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	51.89	26.94
				<i>For Work In Restricted Working Space, Add</i>	12.14	
			EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	51.55	28.50
				<i>For Work In Restricted Working Space, Add</i>	12.83	
			EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	56.58	30.83
				<i>For Work In Restricted Working Space, Add</i>	13.89	
			EA	6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	100.18	37.30
				<i>For Work In Restricted Working Space, Add</i>	16.81	
			EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	114.76	38.79
				<i>For Work In Restricted Working Space, Add</i>	17.49	
			EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	123.73	48.50
				<i>For Work In Restricted Working Space, Add</i>	21.86	
			EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	144.28	51.75
				<i>For Work In Restricted Working Space, Add</i>	23.32	
			EA	10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	149.06	61.07
				<i>For Work In Restricted Working Space, Add</i>	27.53	
			EA	10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	170.96	64.31
				<i>For Work In Restricted Working Space, Add</i>	28.98	
			EA	10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	191.85	69.17
				<i>For Work In Restricted Working Space, Add</i>	31.17	
22 13 16 00-0613				Polyvinyl Chloride (PVC) DWV Double Wyes <small>(22 13 16 00-0514)</small>		
			EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes.....	37.88	21.57
				<i>For Work In Restricted Working Space, Add</i>	9.71	
			EA	2" Polyvinyl Chloride (PVC) DWV Double Wyes.....	48.52	27.59
				<i>For Work In Restricted Working Space, Add</i>	12.44	
			EA	3" Polyvinyl Chloride (PVC) DWV Double Wyes.....	73.97	37.11
				<i>For Work In Restricted Working Space, Add</i>	16.71	
			EA	4" Polyvinyl Chloride (PVC) DWV Double Wyes.....	101.81	43.13
				<i>For Work In Restricted Working Space, Add</i>	19.43	
			EA	6" Polyvinyl Chloride (PVC) DWV Double Wyes.....	168.11	56.09
				<i>For Work In Restricted Working Space, Add</i>	25.26	
			EA	8" Polyvinyl Chloride (PVC) DWV Double Wyes.....	208.05	75.52
				<i>For Work In Restricted Working Space, Add</i>	34.00	
			EA	10" Polyvinyl Chloride (PVC) DWV Double Wyes.....	302.02	100.64
				<i>For Work In Restricted Working Space, Add</i>	45.33	
22 13 16 00-0621				Polyvinyl Chloride (PVC) DWV Reducing Double Wyes <small>(22 13 16 00-0514)</small>		
			EA	2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes.....	43.38	24.62
				<i>For Work In Restricted Working Space, Add</i>	11.08	
			EA	3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes.....	60.08	29.33
				<i>For Work In Restricted Working Space, Add</i>	13.21	
			EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes.....	62.19	32.38
				<i>For Work In Restricted Working Space, Add</i>	14.57	
			EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes.....	75.31	35.37
				<i>For Work In Restricted Working Space, Add</i>	15.93	
			EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes.....	89.57	40.08
				<i>For Work In Restricted Working Space, Add</i>	18.07	
			EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes.....	122.67	49.61
				<i>For Work In Restricted Working Space, Add</i>	22.34	
			EA	8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes.....	145.16	59.33
				<i>For Work In Restricted Working Space, Add</i>	26.72	
			EA	8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes.....	172.53	65.80
				<i>For Work In Restricted Working Space, Add</i>	29.63	
			EA	10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes.....	185.30	71.89
				<i>For Work In Restricted Working Space, Add</i>	32.38	
			EA	10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes.....	221.73	78.36
				<i>For Work In Restricted Working Space, Add</i>	35.30	
			EA	10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes.....	259.71	88.07
				<i>For Work In Restricted Working Space, Add</i>	39.67	
22 13 16 00-0633				Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <small>(22 13 16 00-0514)</small>		
			EA	1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	28.48	16.20
				<i>For Work In Restricted Working Space, Add</i>	7.28	
			EA	2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	36.20	20.72
				<i>For Work In Restricted Working Space, Add</i>	9.33	
			EA	3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	55.21	27.85
				<i>For Work In Restricted Working Space, Add</i>	12.53	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0637	EA		4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	76.49 14.57	32.38
22 13 16 00-0638			Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends		
22 13 16 00-0639	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	39.41 8.65	19.17
22 13 16 00-0640	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	54.34 10.78	23.96
22 13 16 00-0641	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	49.71 11.46	25.45
22 13 16 00-0642	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	68.33 12.83	28.50
22 13 16 00-0643	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	74.02 13.89	30.83
22 13 16 00-0644			Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0514)</small>		
22 13 16 00-0645	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	39.13 9.71	21.57
22 13 16 00-0646	EA		2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	48.66 12.44	27.59
22 13 16 00-0647	EA		3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	68.23 16.71	37.11
22 13 16 00-0648	EA		4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	130.81 19.43	43.13
22 13 16 00-0649	EA		6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	323.97 25.26	56.09
22 13 16 00-0650			Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0514)</small>		
22 13 16 00-0651	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	59.02 11.08	24.62
22 13 16 00-0652	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	86.02 14.57	32.38
22 13 16 00-0653	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	122.89 15.93	35.37
22 13 16 00-0654	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	121.30 18.07	40.08
22 13 16 00-0655	EA		6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	231.13 22.34	49.61
22 13 16 00-0656			Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <small>(22 13 16 00-0514)</small>		
22 13 16 00-0657	EA		2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	43.39 9.33	20.72
22 13 16 00-0658	EA		3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	65.27 12.53	27.85
22 13 16 00-0659	EA		4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	89.46 14.57	32.38
22 13 16 00-0660	EA		6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	181.94 18.95	42.03
22 13 16 00-0661	EA		8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	232.90 25.50	56.60
22 13 16 00-0662	EA		10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	309.52 34.00	75.45
22 13 16 00-0663			Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <small>(22 13 16 00-0514)</small>		
22 13 16 00-0664	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	18.33 4.86	10.82
22 13 16 00-0665	EA		2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	24.15 6.22	13.80
22 13 16 00-0666	EA		3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	33.13 8.36	18.52
22 13 16 00-0667	EA		4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	44.79 9.71	21.57
22 13 16 00-0668	EA		6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	76.17 12.63	28.04
22 13 16 00-0669	EA		8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	139.74 17.00	37.76
22 13 16 00-0670	EA		10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	233.54 22.66	50.32
22 13 16 00-0671			Polyvinyl Chloride (PVC) Couplings <small>(22 13 16 00-0514)</small>		
22 13 16 00-0672	EA		1-1/2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	16.83 4.86	10.82
22 13 16 00-0673	EA		2" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	21.43 6.22	13.80



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0674	EA		3" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	29.66 8.36	18.52
22 13 16 00-0675	EA		4" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	35.36 9.71	21.57
22 13 16 00-0676	EA		6" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	58.53 12.63	28.04
22 13 16 00-0677	EA		8" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	104.13 17.00	37.76
22 13 16 00-0678	EA		10" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	149.11 22.67	50.32
22 13 16 00-0679			Polyvinyl Chloride (PVC) Male Adapters (22 13 16 00-0514)		
22 13 16 00-0680	EA		1-1/2" Polyvinyl Chloride (PVC) Male Adapters	8.74	5.37
22 13 16 00-0681	EA		2" Polyvinyl Chloride (PVC) Male Adapters	11.94	6.93
22 13 16 00-0682	EA		3" Polyvinyl Chloride (PVC) Male Adapters	18.28	9.26
22 13 16 00-0683	EA		4" Polyvinyl Chloride (PVC) Male Adapters	26.17	10.82
22 13 16 00-0684			Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0488) Note: In place piping.		
22 13 16 00-0685	EA		1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	4.75	
22 13 16 00-0686	EA		2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	5.22	
22 13 16 00-0687	EA		3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	6.65	
22 13 16 00-0688	EA		4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	8.97	
22 13 16 00-0689	EA		6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	12.82	
22 13 16 00-0690	EA		8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	17.09	
22 13 16 00-0691	EA		10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	20.89	
22 13 16 00-0692			Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16) Note: Aboveground installation.		
22 13 16 00-0693			Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies (22 13 16 00-0692) Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0694	LF		1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly	13.67	2.72
			<i>For Work In Restricted Working Space, Add</i>	3.73	
22 13 16 00-0695	LF		2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly	15.15	3.24
			Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	4.13	
22 13 16 00-0696	LF		3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly	19.62	4.66
			Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	5.12	
22 13 16 00-0697	LF		4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly	22.17	5.05
			Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	5.69	
22 13 16 00-0698	LF		6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly	32.93	6.47
			Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	7.57	
22 13 16 00-0699			Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) (22 13 16 00-0692) Note: Excludes fittings or hangers.		
22 13 16 00-0700	LF		1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe.....	4.49	2.72
			<i>For Work In Restricted Working Space, Add</i>	1.21	
22 13 16 00-0701	LF		2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	5.46	3.24
			<i>For Work In Restricted Working Space, Add</i>	1.46	
22 13 16 00-0702	LF		3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	8.23	4.66
			<i>For Work In Restricted Working Space, Add</i>	2.09	
22 13 16 00-0703	LF		4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	9.35	5.05
			<i>For Work In Restricted Working Space, Add</i>	2.27	
22 13 16 00-0704	LF		6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	12.85	6.14
			<i>For Work In Restricted Working Space, Add</i>	2.76	
22 13 16 00-0705			Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) (22 13 16 00-0692)		
22 13 16 00-0706			Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends (22 13 16 00-0705)		
22 13 16 00-0707	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	18.12	10.82
			<i>For Work In Restricted Working Space, Add</i>	4.86	
22 13 16 00-0708	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends.....	23.46	13.80
			<i>For Work In Restricted Working Space, Add</i>	6.22	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0709	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	36.32 8.36	18.52
22 13 16 00-0710	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	48.97 9.71	21.57
22 13 16 00-0711	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	104.01 12.63	28.04
22 13 16 00-0712			Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends (22 13 16 00-0705)		
22 13 16 00-0713	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	20.78 4.86	10.82
22 13 16 00-0714	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	26.06 6.22	13.80
22 13 16 00-0715	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	42.77 8.36	18.52
22 13 16 00-0716	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	61.81 9.71	21.57
22 13 16 00-0717			Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends (22 13 16 00-0705)		
22 13 16 00-0718	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	18.48 4.86	10.82
22 13 16 00-0719	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	23.21 6.22	13.80
22 13 16 00-0720	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	34.99 8.36	18.52
22 13 16 00-0721	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	46.52 9.71	21.57
22 13 16 00-0722	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	106.58 12.63	28.04
22 13 16 00-0723			Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees (22 13 16 00-0705)		
22 13 16 00-0724	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	27.56 7.28	16.20
22 13 16 00-0725	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	36.01 9.33	20.72
22 13 16 00-0726	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	54.31 12.53	27.85
22 13 16 00-0727	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	72.68 14.57	32.38
22 13 16 00-0728	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	193.79 18.95	42.03
22 13 16 00-0729			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees (22 13 16 00-0705)		
22 13 16 00-0730	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	31.77 7.97	17.68
22 13 16 00-0731	EA		2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	36.15 8.65	19.17
22 13 16 00-0732	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	33.54 8.65	19.17
22 13 16 00-0733	EA		3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	45.52 10.78	23.96
22 13 16 00-0734	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	47.88 11.46	25.45
22 13 16 00-0735	EA		4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	75.22 12.14	26.94
22 13 16 00-0736	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	75.18 12.83	28.50
22 13 16 00-0737	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	84.33 13.89	30.83
22 13 16 00-0738	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	204.35 17.49	38.79
22 13 16 00-0739			Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees (22 13 16 00-0705)		
22 13 16 00-0740	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	42.33 9.71	21.57
22 13 16 00-0741	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	55.97 12.44	27.59
22 13 16 00-0742	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	96.47 16.71	37.11
22 13 16 00-0743	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	130.11 19.43	43.13
22 13 16 00-0744			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees (22 13 16 00-0705)		
22 13 16 00-0745	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	48.20 11.08	24.62



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0746	EA			3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	64.82 13.21	29.33
22 13 16 00-0747	EA			3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	73.17 14.57	32.38
22 13 16 00-0748	EA			4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	104.46 15.09	33.49
22 13 16 00-0749	EA			4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	112.69 17.11	37.97
22 13 16 00-0750				Acrylonitrile Butadiene Styrene (ABS) DWV Wyes <small>(22 13 16 00-0705)</small>		
22 13 16 00-0751	EA			1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	30.87 7.28	16.20
22 13 16 00-0752	EA			2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	37.86 9.33	20.72
22 13 16 00-0753	EA			3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	56.75 12.53	27.85
22 13 16 00-0754	EA			4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	76.50 14.57	32.38
22 13 16 00-0755	EA			6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	165.58 18.95	42.03
22 13 16 00-0756				Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <small>(22 13 16 00-0705)</small>		
22 13 16 00-0757	EA			2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	38.31 7.97	17.68
22 13 16 00-0758	EA			2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	40.46 8.65	19.17
22 13 16 00-0759	EA			3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	49.85 11.46	25.45
22 13 16 00-0760	EA			4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	65.18 12.83	28.50
22 13 16 00-0761	EA			4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	72.51 13.89	30.83
22 13 16 00-0762	EA			6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	142.92 17.49	38.79
22 13 16 00-0763				Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <small>(22 13 16 00-0705)</small>		
22 13 16 00-0764	EA			1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	46.40 9.71	21.57
22 13 16 00-0765	EA			2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	59.49 12.44	27.59
22 13 16 00-0766	EA			3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	102.32 16.71	37.11
22 13 16 00-0767	EA			4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	159.23 19.43	43.13
22 13 16 00-0768				Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes <small>(22 13 16 00-0705)</small>		
22 13 16 00-0769	EA			2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	53.40 11.08	24.62
22 13 16 00-0770	EA			3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	76.93 13.21	29.33
22 13 16 00-0771	EA			3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	83.20 14.57	32.38
22 13 16 00-0772	EA			4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	109.74 15.93	35.37
22 13 16 00-0773	EA			4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	135.04 18.07	40.08
22 13 16 00-0774				Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend <small>(22 13 16 00-0705)</small>		
22 13 16 00-0775	EA			1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	34.81 7.28	16.20
22 13 16 00-0776	EA			2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	44.78 9.33	20.72
22 13 16 00-0777	EA			3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	64.32 12.53	27.85
22 13 16 00-0778	EA			4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	90.28 13.80	30.67
22 13 16 00-0779				Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend <small>(22 13 16 00-0705)</small>		
22 13 16 00-0780	EA			2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	39.90 8.65	19.17
22 13 16 00-0781	EA			3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	62.19 10.78	23.96



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0782	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	54.61 11.46	25.45
22 13 16 00-0783	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	79.29 12.83	28.50
22 13 16 00-0784	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	85.87 13.89	30.83
22 13 16 00-0785			Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend <small>(22 13 16 00-0705)</small>		
22 13 16 00-0786	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	66.23 12.44	27.59
22 13 16 00-0787	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	112.84 16.71	37.11
22 13 16 00-0788			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend <small>(22 13 16 00-0705)</small>		
22 13 16 00-0789	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	56.86 11.08	24.62
22 13 16 00-0790	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	104.76 14.57	32.38
22 13 16 00-0791			Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <small>(22 13 16 00-0705)</small>		
22 13 16 00-0792	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	36.67 7.28	16.20
22 13 16 00-0793	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	46.63 9.33	20.72
22 13 16 00-0794	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	68.47 12.53	27.85
22 13 16 00-0795	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	98.49 14.57	32.38
22 13 16 00-0796			Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <small>(22 13 16 00-0705)</small>		
22 13 16 00-0797	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	20.45 4.86	10.82
22 13 16 00-0798	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	27.57 6.22	13.80
22 13 16 00-0799	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	38.38 8.36	18.52
22 13 16 00-0800	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	57.18 9.71	21.57
22 13 16 00-0801	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	110.18 12.63	28.04
22 13 16 00-0802			Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <small>(22 13 16 00-0705)</small>		
22 13 16 00-0803	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	17.66 4.86	10.82
22 13 16 00-0804	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	22.26 6.22	13.80
22 13 16 00-0805	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	32.05 8.36	18.52
22 13 16 00-0806	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	39.30 9.71	21.57
22 13 16 00-0807	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	76.31 12.63	28.04
22 13 16 00-0808			Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <small>(22 13 16 00-0705)</small>		
22 13 16 00-0809	EA		2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	22.16 5.54	12.30
22 13 16 00-0810	EA		3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	33.78 6.61	14.63
22 13 16 00-0811	EA		3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	34.14 7.28	16.20
22 13 16 00-0812	EA		4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	46.01 7.97	17.68
22 13 16 00-0813	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	50.47 9.03	20.08
22 13 16 00-0814			Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <small>(22 13 16 00-0705)</small>		
22 13 16 00-0815	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	31.47 7.28	16.20
22 13 16 00-0816	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	42.73 9.33	20.72



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0817	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	95.11 12.53	27.85
22 13 16 00-0818	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	157.85 14.57	32.38
22 13 16 00-0819			Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <small>(22 13 16 00-0705)</small>		
22 13 16 00-0820	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	42.42 9.71	21.57
22 13 16 00-0821	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	39.53 9.03	20.08
22 13 16 00-0822			Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <small>(22 13 16 00-0705)</small>		
22 13 16 00-0823	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	9.97 2.43	5.37
22 13 16 00-0824	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	13.68 3.11	6.93
22 13 16 00-0825	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	23.58 4.18	9.26
22 13 16 00-0826	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	37.54 4.86	10.82
22 13 16 00-0827			Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings <small>(22 13 16 00-0705)</small>		
22 13 16 00-0828	EA		2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	19.99 5.54	12.30
22 13 16 00-0829	EA		3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	30.35 6.61	14.63
22 13 16 00-0830	EA		3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	29.57 7.28	16.20
22 13 16 00-0831	EA		4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	45.74 7.97	17.68
22 13 16 00-0832	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	41.23 9.03	20.08
22 13 16 00-0833	EA		6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	78.87 10.58	23.49
22 13 16 00-0834			Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings <small>(22 13 16 00-0705)</small>		
22 13 16 00-0835	EA		1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling..... <i>For Work In Restricted Working Space, Add</i>	26.62 4.86	10.82
22 13 16 00-0836	EA		2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling..... <i>For Work In Restricted Working Space, Add</i>	31.84 6.22	13.80
22 13 16 00-0837	EA		3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling..... <i>For Work In Restricted Working Space, Add</i>	39.66 8.36	18.52
22 13 16 00-0838	EA		4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling..... <i>For Work In Restricted Working Space, Add</i>	44.89 9.71	21.57
22 13 16 00-0839			Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe <small>(22 13 16 00-0692)</small>		
			Note: In place piping.		
22 13 16 00-0840	EA		1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	4.75	
22 13 16 00-0841	EA		2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	5.22	
22 13 16 00-0842	EA		3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	6.65	
22 13 16 00-0843	EA		4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	8.97	
22 13 16 00-0844	EA		6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	12.82	
22 13 16 00-0845			Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings <small>(22 13 16)</small>		
22 13 16 00-0846			Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings <small>(22 13 16 00-0845)</small>		
			Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps. Fernco 1056.		
22 13 16 00-0847	EA		1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	8.96	2.81
22 13 16 00-0848	EA		1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	9.04	2.99
22 13 16 00-0849	EA		2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	9.50	3.16
22 13 16 00-0850	EA		3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	10.96	3.35
22 13 16 00-0851	EA		4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	12.39	3.52
22 13 16 00-0852	EA		5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	15.79	3.69
22 13 16 00-0853	EA		6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	19.21	3.87
22 13 16 00-0854	EA		8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	26.09	4.22
22 13 16 00-0855	EA		10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	34.37	4.93
22 13 16 00-0856			Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Couplings <small>(22 13 16 00-0845)</small>		
			Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps. Fernco 1056.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0857 EA 1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	9.55	2.99
22 13 16 00-0858 EA 2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	9.68	3.16
22 13 16 00-0859 EA 3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	12.94	3.35
22 13 16 00-0860 EA 3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	11.48	3.35
22 13 16 00-0861 EA 4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	16.16	3.52
22 13 16 00-0862 EA 4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	15.41	3.52
22 13 16 00-0863 EA 4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	14.02	3.52
22 13 16 00-0864 EA 5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	20.83	3.69
22 13 16 00-0865 EA 5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	18.71	3.69
22 13 16 00-0866 EA 6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	26.02	3.87
22 13 16 00-0867 EA 6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	22.84	3.87
22 13 16 00-0868 EA 6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	23.73	3.87
22 13 16 00-0869 EA 8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	46.77	7.03
22 13 16 00-0870 EA 8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	37.96	7.03
22 13 16 00-0871 EA 10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	48.35	7.91
22 13 16 00-0872 Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Caps (22 13 16)		
Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp. Fernco QC.		
22 13 16 00-0873 EA 1-1/2" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap	31.92	19.00
22 13 16 00-0874 EA 2" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap	34.32	20.19
22 13 16 00-0875 EA 3" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap	39.85	23.14
22 13 16 00-0876 EA 4" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap	52.53	30.60
22 13 16 00-0877 EA 5" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap	63.04	36.59
22 13 16 00-0878 EA 6" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap	72.41	42.21
22 13 16 00-0879 EA 8" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap	98.59	53.47
22 13 16 00-0880 Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (22 13 16)		
Note: Josam 26450 Series.		
22 13 16 00-0881 EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	49.46	14.57
22 13 16 00-0882 EA 2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	52.70	16.20
22 13 16 00-0883 EA 3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	76.94	21.05
22 13 16 00-0884 EA 4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	89.95	24.28
22 13 16 00-0885 EA 5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	104.40	27.53
22 13 16 00-0886 EA 6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	166.03	30.77
22 13 16 00-0887 Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (22 13 16)		
Note: Josam 26440 Series		
22 13 16 00-0888 EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	92.28	14.57
22 13 16 00-0889 EA 2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	95.52	16.20
22 13 16 00-0890 EA 3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	114.68	21.05
22 13 16 00-0891 EA 4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	142.20	24.28
22 13 16 00-0892 EA 5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	190.77	27.53
22 13 16 00-0893 EA 6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	197.24	30.77
22 13 16 00-0894 Cast Iron Vandal Proof Hooded Vent Cap (22 13 16)		
Note: Includes counterflashing collar, deep protective hood and recessed securing screws. Josam 26700 Series.		
22 13 16 00-0895 EA 1-1/2" Cast Iron Vandal Proof Hooded Vent Cap	168.48	14.57
22 13 16 00-0896 EA 2" Cast Iron Vandal Proof Hooded Vent Cap	171.72	16.20
22 13 16 00-0897 EA 3" Cast Iron Vandal Proof Hooded Vent Cap	198.86	21.05
22 13 16 00-0898 EA 4" Cast Iron Vandal Proof Hooded Vent Cap	224.21	24.28
22 13 16 00-0899 EA 5" Cast Iron Vandal Proof Hooded Vent Cap	261.17	27.53
22 13 16 00-0900 EA 6" Cast Iron Vandal Proof Hooded Vent Cap	285.78	30.77
22 13 19 Sanitary Waste Piping Specialties (22 13)		
22 13 19 13 Sanitary Drains (22 13 19)		
22 13 19 13-0001 Round Top Floor Drains (22 13 19 13)		
22 13 19 13-0002 EA 6" Round Top Floor Drain With 1-1/2" Outlet, Bronze Top	247.72	69.62
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	40.00	
For Vandal Proof Screws, Add	11.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0003 EA 6" Round Top Floor Drain With 2" Outlet, Bronze Top.....	274.26	78.04
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0004 EA 6" Round Top Floor Drain With 3" Outlet, Bronze Top.....	281.20	86.33
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0005 EA 6" Round Top Floor Drain With 4" Outlet, Bronze Top.....	298.98	95.26
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0006 EA 9" Round Top Floor Drain With 2" Outlet, Cast Iron Top.....	259.56	78.04
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	48.00	
<i>For Cast Iron Dome Grate, Add</i>	17.00	
<i>For Nikaloy Dome Grate, Add</i>	178.50	
<i>For Bronze Dome Grate, Add</i>	143.00	
<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19 13-0007 EA 9" Round Top Floor Drain With 3" Outlet, Cast Iron Top.....	276.20	86.33
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	48.00	
<i>For Cast Iron Dome Grate, Add</i>	17.00	
<i>For Nikaloy Dome Grate, Add</i>	178.50	
<i>For Bronze Dome Grate, Add</i>	143.00	
<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19 13-0008 EA 9" Round Top Floor Drain With 4" Outlet, Cast Iron Top.....	293.98	95.26
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	48.00	
<i>For Cast Iron Dome Grate, Add</i>	17.00	
<i>For Nikaloy Dome Grate, Add</i>	178.50	
<i>For Bronze Dome Grate, Add</i>	143.00	
<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19 13-0009 EA 9" Round Top Floor Drain With 2" Outlet, Nikaloy Top.....	362.56	78.04
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	48.00	
<i>For Cast Iron Dome Grate, Add</i>	17.00	
<i>For Nikaloy Dome Grate, Add</i>	178.50	
<i>For Bronze Dome Grate, Add</i>	143.00	
<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19 13-0010 EA 9" Round Top Floor Drain With 3" Outlet, Nikaloy Top.....	379.20	86.33
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	48.00	
<i>For Cast Iron Dome Grate, Add</i>	17.00	
<i>For Nikaloy Dome Grate, Add</i>	178.50	
<i>For Bronze Dome Grate, Add</i>	143.00	
<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19 13-0011 EA 9" Round Top Floor Drain With 4" Outlet, Nikaloy Top.....	396.98	95.26
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	48.00	
<i>For Cast Iron Dome Grate, Add</i>	17.00	
<i>For Nikaloy Dome Grate, Add</i>	178.50	
<i>For Bronze Dome Grate, Add</i>	143.00	
<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19 13-0012 EA 9" Round Top Floor Drain With 2" Outlet, Bronze Top.....	347.56	78.04
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	48.00	
<i>For Cast Iron Dome Grate, Add</i>	17.00	
<i>For Nikaloy Dome Grate, Add</i>	178.50	
<i>For Bronze Dome Grate, Add</i>	143.00	
<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19 13-0013 EA 9" Round Top Floor Drain With 3" Outlet, Bronze Top.....	364.11	86.33
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	48.00	
<i>For Cast Iron Dome Grate, Add</i>	17.00	
<i>For Nikaloy Dome Grate, Add</i>	178.50	
<i>For Bronze Dome Grate, Add</i>	143.00	
<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0014 EA 9" Round Top Floor Drain With 4" Outlet, Bronze Top.....	381.98	95.26
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0015 EA 12-5/8" Round Top Floor Drain With 2" Outlet, Cast Iron Top	371.48	77.98
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
22 13 19 13-0016 EA 12-5/8" Round Top Floor Drain With 3" Outlet, Cast Iron Top	388.11	86.33
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
22 13 19 13-0017 EA 12-5/8" Round Top Floor Drain With 4" Outlet, Cast Iron Top	405.98	95.26
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
22 13 19 13-0018 EA 12-5/8" Round Top Floor Drain With 2" Outlet, Nikaloy Top	525.48	77.98
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
22 13 19 13-0019 EA 12-5/8" Round Top Floor Drain With 3" Outlet, Nikaloy Top	542.11	86.33
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
22 13 19 13-0020 EA 12-5/8" Round Top Floor Drain With 4" Outlet, Nikaloy Top	559.98	95.26
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
22 13 19 13-0021 EA 12-5/8" Round Top Floor Drain With 2" Outlet, Bronze Top.....	504.98	77.98
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
22 13 19 13-0022 EA 12-5/8" Round Top Floor Drain With 3" Outlet, Bronze Top.....	521.61	86.33
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0023 EA 12-5/8" Round Top Floor Drain With 4" Outlet, Bronze Top.....	539.48	95.26
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
22 13 19 13-0024 Square Or Rectangular Top Drains (22 13 19 13)		
22 13 19 13-0025 EA 5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	287.98	77.98
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	40.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0026 EA 5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	304.80	86.39
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	40.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0027 EA 5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	322.48	95.26
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	40.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0028 EA 6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	302.98	77.98
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	40.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0029 EA 6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	319.80	86.39
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	40.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0030 EA 6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	337.48	95.26
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	40.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0031 EA 8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	368.98	77.98
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	40.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0032 EA 8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	385.80	86.39
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	40.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0033 EA 8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	403.48	95.26
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	40.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0034 EA 5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top.....	276.98	77.98
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	40.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0035 EA 5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top.....	293.80	86.39
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	40.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0036 EA 5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top.....	311.48	95.26
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	40.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0037 EA 6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top.....	295.98	77.98
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	40.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0038 EA 6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top.....	312.80	86.39
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	40.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0039 EA 6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top.....	330.48	95.26
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	40.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0040 EA 8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top.....	349.48	77.98
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	40.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0041 EA 8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top.....	366.30	86.39
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	40.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0042 EA 8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top.....	383.98	95.26
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	40.00	
For Vandal Proof Screws, Add	11.00	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0043	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top	752.30	86.39
			<i>For Galvanized Cast Iron Parts, Add</i>	212.00	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0044	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top	769.98	95.26
			<i>For Galvanized Cast Iron Parts, Add</i>	212.00	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0045	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top	915.30	86.39
			<i>For Galvanized Cast Iron Parts, Add</i>	212.00	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0046	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top	932.98	95.26
			<i>For Galvanized Cast Iron Parts, Add</i>	212.00	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0047	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top.....	895.80	86.39
			<i>For Galvanized Cast Iron Parts, Add</i>	212.00	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0048	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top.....	913.48	95.26
			<i>For Galvanized Cast Iron Parts, Add</i>	212.00	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0049	EA		5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	372.98	77.98
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0050	EA		5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	389.80	86.39
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0051	EA		5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	407.48	95.26
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0052	EA		5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	450.48	77.98
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0053	EA		5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	467.30	86.39
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0054	EA		5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	484.98	95.26
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0055	EA		5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	468.48	77.98
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0056	EA		5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	485.30	86.39
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0057	EA		5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	502.98	95.26
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0058	EA		5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	607.98	77.98
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0059	EA		5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	624.80	86.39
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0060	EA		5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	642.48	95.26
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0061	EA		5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top.....	356.98	77.98
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0062	EA		5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top.....	373.80	86.39
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0063	EA		5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top.....	391.48	95.26
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0064	EA			5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	422.98 22.50 11.00 120.94	77.98
22 13 19 13-0065	EA			5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	439.80 22.50 11.00 120.94	86.39
22 13 19 13-0066	EA			5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	457.48 22.50 11.00 120.94	95.26
22 13 19 13-0067	EA			5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	440.98 22.50 11.00 120.94	77.98
22 13 19 13-0068	EA			5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	457.80 22.50 11.00 120.94	86.39
22 13 19 13-0069	EA			5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	475.48 22.50 11.00 120.94	95.26
22 13 19 13-0070	EA			5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	554.48 22.50 11.00 120.94	77.98
22 13 19 13-0071	EA			5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	571.30 22.50 11.00 120.94	86.39
22 13 19 13-0072	EA			5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	588.98 22.50 11.00 120.94	95.26
22 13 19 13-0073 Funnel Type Floor Drains <small>(22 13 19 13)</small>						
22 13 19 13-0074	EA			7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	346.78 40.00 -19.50 11.00	69.62
22 13 19 13-0075	EA			7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	363.48 40.00 -19.50 11.00	77.98
22 13 19 13-0076	EA			7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	380.11 40.00 -19.50 11.00	86.33
22 13 19 13-0077	EA			7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	397.98 40.00 -19.50 11.00	95.26
22 13 19 13-0078	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	475.98 15.10 40.00 -19.50 11.00	77.98
22 13 19 13-0079	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	492.61 15.10 40.00 -19.50 11.00	86.33
22 13 19 13-0080	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	510.48 15.10 40.00 -19.50 11.00	95.26
22 13 19 13-0081	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	456.48 15.10 40.00 -19.50 11.00	77.98
22 13 19 13-0082	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	473.11 15.10 40.00 -19.50 11.00	86.33
22 13 19 13-0083	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i> <i>For Vandal Proof Screws, Add</i>	490.98 15.10 40.00 -19.50 11.00	95.26



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19	13-0084		Floor Drain With Sediment Bucket Bottom Outlet ^(22 13 19 13)		
22 13 19	13-0085	EA	12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap.....	632.72	69.62
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
22 13 19	13-0086	EA	12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap.....	649.48	77.98
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
22 13 19	13-0087	EA	12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap.....	666.11	86.33
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
22 13 19	13-0088	EA	12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap.....	683.98	95.26
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
22 13 19	13-0089	EA	12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap.....	702.41	104.46
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
22 13 19	13-0090	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	687.48	77.98
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19	13-0091	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	704.30	86.39
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19	13-0092	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	721.98	95.26
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19	13-0093	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	740.41	104.46
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19	13-0094	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	461.98	77.98
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19	13-0095	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	478.80	86.39
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19	13-0096	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	496.48	95.26
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19	13-0097	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	514.91	104.46
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19	13-0098	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	648.48	77.98
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19	13-0099	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	665.30	86.39
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 19 13-0100	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	682.98	95.26
				<i>For Vandal Proof Screws, Add</i>	29.50	
				<i>For Primer Tap, Add</i>	31.00	
				<i>For Aluminum Bucket, Add</i>	77.50	
				<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
	22 13 19 13-0101	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	701.41	104.46
				<i>For Vandal Proof Screws, Add</i>	29.50	
				<i>For Primer Tap, Add</i>	31.00	
				<i>For Aluminum Bucket, Add</i>	77.50	
				<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
	22 13 19 13-0102			Other Drains <small>(22 13 19 13)</small>		
	22 13 19 13-0103			Shower Drains <small>(22 13 19 13-0102)</small>		
	22 13 19 13-0104	EA		4-1/4" Stainless Steel Shower Drain Strainer	27.56	7.03
				Note: Includes two 2-5/8" screws.		
	22 13 19 13-0105	EA		4-1/4" Brass Shower Drain Strainer	30.54	7.03
				Note: Includes two 2-5/8" screws.		
	22 13 19 13-0106	EA		4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe	63.92	14.07
				Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.		
	22 13 19 13-0107	EA		4" Chrome Finish, Threaded Brass Shower Drain And Gasket	81.02	14.07
				Note: For 2" pipe. Kohler K-9132.		
	22 13 19 13-0108			Acid Resistant Floor Drains <small>(22 13 19 13-0102)</small>		
	22 13 19 13-0109	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top	348.72	69.62
				<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
				<i>For Primer Tap, Add</i>	33.50	
				<i>For Vandal Proof Screws, Add</i>	30.50	
	22 13 19 13-0110	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top	365.48	77.98
				<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
				<i>For Primer Tap, Add</i>	33.50	
				<i>For Vandal Proof Screws, Add</i>	30.50	
	22 13 19 13-0111	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top	382.11	86.33
				<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
				<i>For Primer Tap, Add</i>	33.50	
				<i>For Vandal Proof Screws, Add</i>	30.50	
	22 13 19 13-0112			Rotary And Lever Drains <small>(22 13 19 13-0102)</small>		
	22 13 19 13-0113	EA		1-1/2" Drain, 3" Sink Opening Lever Drain	146.85	46.95
	22 13 19 13-0114	EA		2" Drain, 3" Sink Opening Lever Drain	156.56	51.81
	22 13 19 13-0115	EA		1-1/2" Drain, 3-1/2" Sink Opening Lever Drain	146.85	46.95
	22 13 19 13-0116	EA		2" Drain, 3-1/2" Sink Opening Lever Drain	156.56	51.81
	22 13 19 13-0117	EA		1-1/2" Drain, 3" Sink Opening Twist Drain	146.85	46.95
	22 13 19 13-0118	EA		2" Drain, 3" Sink Opening Twist Drain	156.56	51.81
	22 13 19 13-0119	EA		1-1/2" Drain, 3-1/2" Sink Opening Twist Drain	146.85	46.95
	22 13 19 13-0120	EA		2" Drain, 3-1/2" Sink Opening Twist Drain	156.56	51.81
	22 13 19 13-0121	EA		1-1/2"-2" Drain, 3-1/2" Sink Opening Rotary Twist Drain (Fisher 16100)	197.41	51.81
	22 13 19 13-0122			Floor Receptor <small>(22 13 19 13)</small>		
	22 13 19 13-0123			9" Diameter Round Shallow Receptor <small>(22 13 19 13-0122)</small>		
				Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.		
	22 13 19 13-0124	EA		9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection	418.09	78.04
				<i>For Flange With Seepage Holes, Add</i>	58.50	
				<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00	
				<i>For Trap Primer Connection, Add</i>	38.00	
				<i>For Full Grate With 2" (50 mm) Square Center Opening, Add</i>	36.00	
				<i>For Vandal Proof Secured Grate, Add</i>	33.50	
				<i>For White Acid Resistant Bucket, Add</i>	47.00	
				<i>For Stainless Steel Liner For Bucket, Add</i>	62.50	
	22 13 19 13-0125	EA		9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection	434.98	86.46
				<i>For Flange With Seepage Holes, Add</i>	58.50	
				<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00	
				<i>For Trap Primer Connection, Add</i>	38.00	
				<i>For Full Grate With 2" (50 mm) Square Center Opening, Add</i>	36.00	
				<i>For Vandal Proof Secured Grate, Add</i>	33.50	
				<i>For White Acid Resistant Bucket, Add</i>	47.00	
				<i>For Stainless Steel Liner For Bucket, Add</i>	62.50	
	22 13 19 13-0126	EA		9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection	452.48	95.26
				<i>For Flange With Seepage Holes, Add</i>	58.50	
				<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00	
				<i>For Trap Primer Connection, Add</i>	38.00	
				<i>For Full Grate With 2" (50 mm) Square Center Opening, Add</i>	36.00	
				<i>For Vandal Proof Secured Grate, Add</i>	33.50	
				<i>For White Acid Resistant Bucket, Add</i>	47.00	
				<i>For Stainless Steel Liner For Bucket, Add</i>	62.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0127			Square Top Floor Receptors (22 13 19 13-0122) Note: With acid resistant coating.		
22 13 19 13-0128	EA		8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top .....463.28	463.28	69.62
			<i>For Flange With Seepage Holes, Add</i> .....37.50		
			<i>For Flange With Seepage Holes And Clamp Collar, Add</i> .....69.00		
			<i>For Trap Primer Connection, Add</i> .....39.50		
			<i>For Full Grate With 2" Square Center Opening, Add</i> .....36.00		
			<i>For Vandal Proof Secured Grate, Add</i> .....15.50		
			<i>For White Acid Resistant Bucket, Add</i> .....88.00		
			<i>For Stainless Steel Liner For Bucket, Add</i> .....97.00		
22 13 19 13-0129	EA		8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....480.06	480.06	78.04
			<i>For Flange With Seepage Holes, Add</i> .....37.50		
			<i>For Flange With Seepage Holes And Clamp Collar, Add</i> .....69.00		
			<i>For Trap Primer Connection, Add</i> .....39.50		
			<i>For Full Grate With 2" Square Center Opening, Add</i> .....36.00		
			<i>For Vandal Proof Secured Grate, Add</i> .....15.50		
			<i>For White Acid Resistant Bucket, Add</i> .....88.00		
			<i>For Stainless Steel Liner For Bucket, Add</i> .....97.00		
22 13 19 13-0130	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....496.61	496.61	86.33
			<i>For Flange With Seepage Holes, Add</i> .....37.50		
			<i>For Flange With Seepage Holes And Clamp Collar, Add</i> .....69.00		
			<i>For Trap Primer Connection, Add</i> .....39.50		
			<i>For Full Grate With 2" Square Center Opening, Add</i> .....36.00		
			<i>For Vandal Proof Secured Grate, Add</i> .....15.50		
			<i>For White Acid Resistant Bucket, Add</i> .....88.00		
			<i>For Stainless Steel Liner For Bucket, Add</i> .....97.00		
22 13 19 13-0131	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top.....514.48	514.48	95.26
			<i>For Flange With Seepage Holes, Add</i> .....37.50		
			<i>For Flange With Seepage Holes And Clamp Collar, Add</i> .....69.00		
			<i>For Trap Primer Connection, Add</i> .....39.50		
			<i>For Full Grate With 2" Square Center Opening, Add</i> .....36.00		
			<i>For Vandal Proof Secured Grate, Add</i> .....15.50		
			<i>For White Acid Resistant Bucket, Add</i> .....88.00		
			<i>For Stainless Steel Liner For Bucket, Add</i> .....97.00		
22 13 19 13-0132			Floor Drain Accessories (22 13 19 13)		
22 13 19 13-0133	EA		3" Trap Guard Floor Drain Insert (ProVent TG3H).....58.42	58.42	8.10
			Note: Prevents emission of sewer gases.		
22 13 19 13-0134	EA		2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22).....47.86	47.86	8.10
			Note: Prevents emission of sewer gases.		
22 13 19 13-0135	EA		3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33).....52.09	52.09	8.10
			Note: Prevents emission of sewer gases.		
22 13 19 13-0136	EA		3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP).....62.64	62.64	8.10
			Note: Prevents emission of sewer gases.		
22 13 19 13-0137	EA		3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP).....56.31	56.31	8.10
			Note: Prevents emission of sewer gases.		
22 13 19 13-0138	EA		2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02) .....79.69	79.69	8.10
			Note: Prevents emission of sewer gases.		
22 13 19 13-0139	EA		3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03) .....88.19	88.19	8.10
			Note: Prevents emission of sewer gases.		
22 13 19 13-0140	EA		4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04) .....109.29	109.29	8.10
			Note: Prevents emission of sewer gases.		
22 13 19 26			Grease Removal Devices (22 13 19)		
22 13 19 26-0001			Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26) Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002			Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001) Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003	EA		7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor .....673.26	673.26	48.58
			Note: Josam 60102H.		
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i> .....1,255.55		
22 13 19 26-0004	EA		10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor .....784.63	784.63	109.29
			Note: Josam 60103H.		
			<i>For Flange And Clamp Device, Add</i> .....333.02		
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i> .....1,322.73		
22 13 19 26-0005	EA		15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor .....1,107.87	1,107.87	121.43
			Note: Josam 60104H.		
			<i>For Flange And Clamp Device, Add</i> .....341.12		
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i> .....1,443.35		
22 13 19 26-0006	EA		20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor .....1,335.94	1,335.94	133.57
			Note: Josam 60105H.		
			<i>For Flange And Clamp Device, Add</i> .....349.22		
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i> .....1,558.54		
22 13 19 26-0007	EA		25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor .....1,495.07	1,495.07	145.72
			Note: Josam 60106H.		
			<i>For Flange And Clamp Device, Add</i> .....387.71		
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i> .....1,619.00		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0008 EA 35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60107H. <i>For Flange And Clamp Device, Add</i>	1,834.51 <i>415.10</i>	170.01
22 13 19 26-0009 EA 50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60108H. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	2,388.38 <i>1,775.76</i>	194.29
22 13 19 26-0010 EA 75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60109H. <i>For Flange And Clamp Device, Add</i>	4,667.50 <i>472.25</i>	218.58
22 13 19 26-0011 EA 100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60110H. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	5,265.63 <i>1,885.50</i>	256.91
22 13 19 26-0012 EA 150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60213A. <i>For Flange And Clamp Device, Add</i>	6,506.47 <i>689.72</i>	411.06
22 13 19 26-0013 EA 200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60214A. <i>For Flange And Clamp Device, Add</i>	9,328.92 <i>1,042.05</i>	513.83
22 13 19 26-0014 EA 250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60215A. <i>For Flange And Clamp Device, Add</i>	10,884.16 <i>1,239.83</i>	616.59
22 13 19 26-0015 EA 350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60216A. <i>For Flange And Clamp Device, Add</i>	14,134.02 <i>1,621.31</i>	719.36
22 13 19 26-0016 EA 500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60217A. <i>For Flange And Clamp Device, Add</i>	18,274.76 <i>1,927.58</i>	822.13
22 13 19 26-0017 Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001) Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018 EA 20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A.	1,913.58	133.57
22 13 19 26-0019 EA 35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60117A.	2,461.38	170.01
22 13 19 26-0020 EA 50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Smith 8150.	4,045.45	194.29
22 13 19 26-0021 Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26) Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022 Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0021) Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023 EA 7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60102-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,678.29 <i>1,255.55</i>	48.58
22 13 19 26-0024 EA 10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60103-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,972.73 <i>1,322.73</i>	109.29
22 13 19 26-0025 EA 15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60104-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	2,108.53 <i>1,443.35</i>	121.43
22 13 19 26-0026 EA 20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60105-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	2,570.72 <i>1,558.54</i>	133.57
22 13 19 26-0027 EA 25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	3,096.35 <i>1,619.00</i>	145.72
22 13 19 26-0028 EA 35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	3,204.95 <i>1,775.76</i>	170.01
22 13 19 26-0029 EA 50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	3,658.53 <i>1,885.50</i>	194.29
22 13 19 26-0030 Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0021) Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031 EA 35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60115A-SA.	4,296.04	170.01
22 13 19 26-0032 Automatic Cleaning Stainless Steel Grease Interceptor (22 13 19 26) Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer.		
22 13 19 26-0033 EA 20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor..... Note: Lowe Engineering 20 Greasestopper.	3,677.48	133.57
22 13 19 26-0034 EA 25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Lowe Engineering 25 Greasestopper.	4,272.39	145.72



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 13 19 26-0035	Precast Concrete Grease Interceptor (22 13 19 26)		
	Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0036	EA 1,000 Gallon Pre-Cast Grease Interceptor.....	3,275.49	230.81
22 13 19 26-0037	EA 1,250 Gallon Pre-Cast Grease Interceptor.....	3,749.15	230.81
22 13 19 26-0038	EA 1,500 Gallon Pre-Cast Grease Interceptor.....	4,255.14	263.88
22 13 19 26-0039	EA 2,000 Gallon Pre-Cast Grease Interceptor.....	4,838.85	372.66
22 13 19 26-0040	EA 2,500 Gallon Pre-Cast Grease Interceptor.....	5,444.42	501.39
22 13 19 26-0041	EA 4,000 Gallon Pre-Cast Grease Interceptor.....	8,170.34	659.66
22 13 19 26-0042	EA 5,000 Gallon Pre-Cast Grease Interceptor.....	10,478.44	1,081.76
22 13 19 26-0043	Coated Steel Manual Oil Interceptor (22 13 19 26)		
	Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0044	EA 10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	1,971.22	185.01
22 13 19 26-0045	EA 15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	2,636.89	219.83
22 13 19 26-0046	EA 20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	3,195.32	270.49
22 13 19 26-0047	EA 25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	3,470.34	293.00
22 13 19 26-0048	EA 35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	4,144.45	319.73
22 13 19 26-0049	EA 50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	5,419.68	351.74
22 13 19 26-0050	EA 75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	8,977.65	404.78
22 13 19 26-0051	EA 100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	9,850.11	498.04
22 13 19 26-0052	EA 150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	12,048.90	539.81
22 13 19 26-0053	EA 200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	16,793.47	647.64
22 13 19 26-0054	EA 250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	19,341.25	696.22
22 13 19 26-0055	EA 350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	24,333.51	830.28
22 13 19 26-0056	EA 400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	29,179.04	680.35
22 13 19 26-0057	EA 500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	34,568.18	809.55
22 13 19 33	Backwater Valves (22 13 19)		
22 13 19 33-0001	Cast Iron Body Terminal Backwater Valves (22 13 19 33)		
22 13 19 33-0002	EA 2" Cast Iron Body Terminal Backwater Valve	218.42	18.59
22 13 19 33-0003	EA 3" Cast Iron Body Terminal Backwater Valve	225.54	23.38
22 13 19 33-0004	EA 4" Cast Iron Body Terminal Backwater Valve	324.39	31.09
22 13 19 33-0005	EA 6" Cast Iron Body Terminal Backwater Valve	858.20	42.88
22 13 19 33-0006	EA 8" Cast Iron Body Terminal Backwater Valve	1,050.81	56.43
22 13 19 33-0007	EA 10" Cast Iron Body Terminal Backwater Valve	3,008.43	69.62
22 13 19 33-0008	EA 12" Cast Iron Body Terminal Backwater Valve	3,411.91	90.29
22 13 19 33-0009	Cast Iron Backwater Sewer Line Valve (22 13 19 33)		
	Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010	EA 2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	545.09	44.32
22 13 19 33-0011	EA 3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	824.18	53.76
22 13 19 33-0012	EA 4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,020.93	69.30
22 13 19 33-0013	EA 6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,422.67	77.90
22 13 19 33-0014	EA 8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,964.57	92.32
22 13 19 33-0015	Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve (22 13 19 33)		
	Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016	EA 3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	1,447.87	70.14
22 13 19 33-0017	EA 4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	1,482.59	93.26
22 13 19 33-0018	EA 5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	2,150.29	115.37
22 13 19 33-0019	EA 6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	2,170.34	128.62
22 13 19 33-0020	Polyvinyl Chloride (PVC) Backwater Sewer Line Valve (22 13 19 33)		
	Note: Oatey.		
22 13 19 33-0021	EA 3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900).....	76.30	23.38
22 13 19 33-0022	EA 4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904).....	92.13	31.09
22 13 19 33-0023	EA 6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908).....	258.32	42.88
22 13 19 33-0024	Polyvinyl Chloride (PVC) Extendable Backwater Valves (22 13 19 33)		
22 13 19 33-0025	EA 3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	178.10	46.76
	Note: Includes valve body, flapper assembly and collar.		
22 13 19 33-0026	EA 4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	237.15	62.18
	Note: Includes valve body, flapper assembly and collar.		
22 13 19 33-0027	EA 6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	404.11	85.74
	Note: Includes valve body, flapper assembly and collar.		
22 13 19 36	Air-Admittance Valves (22 13 19)		
22 13 19 36-0001	Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent (22 13 19 36)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 36-0002 EA 1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent.....	86.36	9.07
22 13 19 36-0003 EA 2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent.....	102.25	9.07
22 13 23 Sanitary Waste Interceptors (22 13)		
22 13 23 00-0001 Sediment Bucket Solids Interceptors (22 13 23)		
22 13 23 00-0002 EA 1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180).....	658.15	91.71
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0003 EA 1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184).....	658.96	91.71
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0004 EA 1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO).....	920.53	91.71
Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0005 EA 1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARI0).....	920.53	91.71
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0006 EA 1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030)	979.75	91.71
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0007 Solid Interceptors, Cast Iron With Internal Deep Seal Trap (22 13 23)		
22 13 23 00-0008 EA 1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel.....	275.14	31.37
For Stainless Steel Bucket, Add		
	175.00	
22 13 23 00-0009 EA 2" Inlet Cast Iron Solid Interceptor, Painted Enamel	279.15	33.42
For Stainless Steel Bucket, Add		
	175.00	
22 13 23 00-0010 Sediment Strainers (22 13 23)		
22 13 23 00-0011 EA 2" Strainer, Pump Suction Side	98.44	42.82
22 13 29 Sanitary Sewerage Pumps (22 13)		
Note: Includes extra set of gaskets, bearings and seals.		
22 13 29 13 Wet-Pit-Mounted, Vertical Sewerage Pumps (22 13 29)		
22 13 29 13-0001 Vertical Non-Clog Sewage Pumps (22 13 29 13)		
22 13 29 13-0002 1-1/2" Solids 1,750 RPM Vertical Sewage Pumps (22 13 29 13-0001)		
22 13 29 13-0003 EA 1/2 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,166.81	776.91
22 13 29 13-0004 EA 3/4 HP, Up To 125 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,573.28	776.91
22 13 29 13-0005 EA 1 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,979.75	776.91
22 13 29 13-0006 EA 1-1/2 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	9,367.46	776.91
22 13 29 13-0007 2" Solids 1,750 RPM Vertical Sewage Pumps (22 13 29 13-0001)		
22 13 29 13-0008 EA 3/4 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	9,292.42	776.91
22 13 29 13-0009 EA 1 HP, Up To 100 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	9,448.76	776.91
22 13 29 13-0010 EA 2 HP, Up To 200 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	9,558.19	776.91
22 13 29 13-0011 EA 3 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	10,308.60	776.91
22 13 29 13-0012 EA 5 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	11,043.37	776.91
22 13 29 13-0013 EA 7-1/2 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	12,168.99	776.91
22 13 29 13-0014 EA 10 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	13,294.60	776.91
22 13 29 13-0015 EA 15 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	14,934.19	1,033.90
22 13 29 13-0016 3" Solids 1,750 RPM Vertical Sewage Pumps (22 13 29 13-0001)		
22 13 29 13-0017 EA 2 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	10,075.76	776.91
22 13 29 13-0018 EA 3 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	10,075.76	776.91
22 13 29 13-0019 EA 5 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	10,346.62	776.91
22 13 29 13-0020 EA 7-1/2 HP, Up To 700 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	12,448.26	776.91
22 13 29 13-0021 EA 10 HP, Up To 800 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	12,816.92	776.91
22 13 29 13-0022 EA 15 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	15,063.88	1,033.90
22 13 29 13-0023 EA 20 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	16,001.89	1,033.90
22 13 29 13-0024 Extra Column Assemblies Addition, 5' Or Less (22 13 29 13-0001)		
22 13 29 13-0025 EA 2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	519.49	
22 13 29 13-0026 EA 3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	623.75	
22 13 29 13-0027 EA 4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	697.18	
22 13 29 13-0028 EA 5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	709.88	
22 13 29 13-0029 EA 6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	796.91	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 13 29 13-0030	Float Switches (22 13 29 13-0001) Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031	EA Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps	466.91	
22 13 29 13-0032	EA Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps	490.48	
22 13 29 13-0033	EA Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps	501.36	
22 13 29 13-0034	Square Or Round Steel Sump Covers (22 13 29 13-0001)		
22 13 29 13-0035	EA 24" Steel Sump Covers, Square Or Round.....	437.45	25.91
22 13 29 13-0036	EA 30" Steel Sump Covers, Square Or Round.....	484.33	29.14
22 13 29 13-0037	EA 36" Steel Sump Covers, Square Or Round.....	671.82	38.85
22 13 29 13-0038	EA 40" Steel Sump Covers, Square Or Round.....	973.32	45.34
22 13 29 13-0039	EA 42" Steel Sump Covers, Square Or Round.....	1,043.20	46.95
22 13 29 13-0040	EA 48" Steel Sump Covers, Square Or Round.....	1,115.27	48.58
22 13 29 13-0041	EA 54" Steel Sump Covers, Square Or Round.....	1,420.16	58.29
22 13 29 13-0042	EA 60" Steel Sump Covers, Square Or Round.....	1,921.64	64.76
22 13 29 13-0043	EA 72" Steel Sump Covers, Square Or Round.....	2,436.83	80.96
22 13 29 13-0044	EA 84" Steel Sump Covers, Square Or Round.....	3,095.62	89.05
22 13 29 16	Submersible Sewerage Pumps (22 13 29) Note: Includes 25' of cord with pumps unless otherwise noted.		
22 13 29 16-0001	Submersible Sewage Pumps With Vortex Impeller (22 13 29 16)		
22 13 29 16-0002	Submersible Sewage Pumps With Cast Iron Vortex Impeller (22 13 29 16-0001)		
22 13 29 16-0003	EA 1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	464.72	47.14
22 13 29 16-0004	EA 1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	615.15	47.14
22 13 29 16-0005	EA 1 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	739.84	58.92
22 13 29 16-0006	Submersible Sewage Pumps With Bronze Vortex Impeller (22 13 29 16-0001)		
22 13 29 16-0007	EA 1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	705.49	47.14
22 13 29 16-0008	EA 1 HP Submersible Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	862.73	58.92
22 13 29 16-0009	EA 1-1/2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,032.14	94.97
22 13 29 16-0010	EA 2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,126.49	116.07
22 13 29 16-0011	Submersible Sewage Pumps With Semi-Open Impeller (22 13 29 16)		
22 13 29 16-0012	EA 1 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,549.18	58.92
22 13 29 16-0013	EA 1.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,700.98	97.23
22 13 29 16-0014	EA 2 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,196.87	118.84
22 13 29 16-0015	EA 3 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,552.03	144.05
22 13 29 16-0016	EA 5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,973.88	169.26
22 13 29 16-0017	EA 7.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	3,096.76	194.46
22 13 29 16-0018	Submersible Sewage Pumps Accessories (22 13 29 16)		
22 13 29 16-0019	EA Simplex Single Phase Plug In Controller With NEMA 4X Enclosure For Non-Automatic Submersible Sewage Pump	269.61	52.61
22 13 29 16-0020	EA Simplex Single Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump	652.99	70.15
22 13 29 16-0021	EA Simplex Three Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump.....	856.11	70.15
22 13 29 16-0022	EA Duplex Alarm System And Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump	952.05	87.68
22 13 29 16-0023	EA High-water Alarm For Submersible Sewage Pump.....	209.78	35.07
22 13 29 16-0024	EA Float Switch For Submersible Sewage Pump.....	77.14	17.54
22 13 29 16-0025	EA Rail System With 2" Discharge For Submersible Sewage Pump	399.10	52.61
22 13 29 33	Sewerage Pump Basins And Pits (22 13 29)		
22 13 29 33-0001	Sewage Sump Pump Basin (22 13 29 33)		
22 13 29 33-0002	High Density Polyethylene (HDPE) Basin (22 13 29 33-0001)		
22 13 29 33-0003	EA 18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	93.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 33-0004 EA 18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	121.34	
22 13 29 33-0005 EA 24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	281.07	
22 13 29 33-0006 EA 24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	396.10	
22 13 29 33-0007 EA 30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	511.12	
22 13 29 33-0008 EA 36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	595.09	
22 13 29 33-0009 Fiberglass Basin <small>(22 13 29 33-0001)</small>		
22 13 29 33-0010 EA 18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	168.72	
22 13 29 33-0011 EA 24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	333.98	
22 13 29 33-0012 EA 30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	593.13	
22 13 29 33-0013 EA 36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	795.03	
22 13 29 33-0014 EA 36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	914.95	
22 13 29 33-0015 EA 36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub	966.41	
22 13 29 33-0016 EA 36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub	1,133.59	
22 13 29 33-0017 EA 48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	1,315.59	
22 14 Facility Storm Drainage <small>(22 10)</small>		
22 14 13 Facility Storm Drainage Piping <small>(22 14)</small>		
<small>See CSI section 22 13 16 00-0000 for storm drainage piping.</small>		
22 14 26 Facility Storm Drains <small>(22 14)</small>		
22 14 26 13 Roof Drains <small>(22 14 26)</small>		
22 14 26 13-0001 Cast Iron Roof Drains <small>(22 14 26 13)</small>		
22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome <small>(22 14 26 13-0001)</small>		
<small>Note: Dome free area is 124 square inches.</small>		
22 14 26 13-0003 EA 15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome	361.38	107.96
<i>For Galvanized Iron Parts, Add</i>		197.00
<i>For Deck Clamp, Add</i>		50.00
<i>For Bronze Dome, Add</i>		170.50
<i>For Drain Receiver, Add</i>		75.50
<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>		136.00
22 14 26 13-0004 EA 15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome	415.35	129.53
<i>For Galvanized Iron Parts, Add</i>		197.00
<i>For Deck Clamp, Add</i>		50.00
<i>For Bronze Dome, Add</i>		170.50
<i>For Drain Receiver, Add</i>		75.50
<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>		136.00
22 14 26 13-0005 EA 15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome	469.32	161.91
<i>For Galvanized Iron Parts, Add</i>		197.00
<i>For Deck Clamp, Add</i>		50.00
<i>For Bronze Dome, Add</i>		170.50
<i>For Drain Receiver, Add</i>		75.50
<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>		136.00
22 14 26 13-0006 EA 15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome	612.78	194.29
<i>For Galvanized Iron Parts, Add</i>		197.00
<i>For Deck Clamp, Add</i>		50.00
<i>For Bronze Dome, Add</i>		170.50
<i>For Drain Receiver, Add</i>		75.50
<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>		136.00
22 14 26 13-0007 EA 15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome	639.76	215.86
<i>For Galvanized Iron Parts, Add</i>		197.00
<i>For Deck Clamp, Add</i>		50.00
<i>For Bronze Dome, Add</i>		170.50
<i>For Drain Receiver, Add</i>		75.50
<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>		136.00
22 14 26 13-0008 EA 15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome	723.40	226.67
<i>For Galvanized Iron Parts, Add</i>		197.00
<i>For Deck Clamp, Add</i>		50.00
<i>For Bronze Dome, Add</i>		170.50
<i>For Drain Receiver, Add</i>		75.50
<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>		136.00
22 14 26 13-0009 EA 15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome	895.58	234.77
<i>For Galvanized Iron Parts, Add</i>		197.00
<i>For Deck Clamp, Add</i>		50.00
<i>For Bronze Dome, Add</i>		170.50
<i>For Drain Receiver, Add</i>		75.50
<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>		136.00
22 14 26 13-0010 Cast Iron Roof Drains With Expansion Joint <small>(22 14 26 13-0001)</small>		
<small>Note: With polypropylene dome. Dome free area is 124 square inches.</small>		
22 14 26 13-0011 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome	497.38	107.96
<i>For Galvanized Iron Parts, Add</i>		197.00
<i>For Deck Clamp, Add</i>		50.00
<i>For Drain Receiver, Add</i>		56.00
<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>		136.00

22	Plumbing
22 10	Plumbing Piping
22 14	Facility Storm Drainage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0012 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome	560.85	129.53
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0013 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome	633.32	161.91
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0014 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome	851.28	194.29
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0015 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome	912.76	215.86
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0016 Cast Iron Roof Drains With Flat Bronze Promenade Top (22 14 26 13-0001)		
22 14 26 13-0017 EA 14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top	631.38	107.96
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	75.50	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0018 EA 14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top	685.35	129.53
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	75.50	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0019 EA 14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top	739.32	161.91
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	75.50	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0020 EA 14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top	878.78	194.29
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	75.50	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0021 EA 14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top	905.76	215.86
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	75.50	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0022 Cast Iron Scupper Drain With L-Shaped Bronze Grate (22 14 26 13-0001)		
22 14 26 13-0023 EA Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate	377.35	43.20
For Vandal Proof Grate, Add	11.00	
For Galvanized Iron Parts, Add	49.00	
22 14 26 13-0024 EA Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate	398.94	53.95
For Vandal Proof Grate, Add	11.00	
For Galvanized Iron Parts, Add	49.00	
22 14 26 13-0025 EA Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate	408.75	58.87
For Vandal Proof Grate, Add	11.00	
For Galvanized Iron Parts, Add	49.00	
22 14 26 13-0026 EA Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate	569.56	78.04
For Vandal Proof Grate, Add	11.00	
For Galvanized Iron Parts, Add	98.00	
22 14 26 13-0027 EA Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate	603.98	95.26
For Vandal Proof Grate, Add	11.00	
For Galvanized Iron Parts, Add	98.00	
22 14 26 13-0028 Cast Iron Roof Drain With Flat Cast Iron Grate (22 14 26 13-0001)		
22 14 26 13-0029 EA 9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top	384.38	107.96
For Galvanized Iron Parts, Add	55.00	
For Bronze Grate, Add	78.50	
For Deck Clamp, Add	31.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	72.00	
22 14 26 13-0030 EA 9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top	438.35	129.53
For Galvanized Iron Parts, Add	55.00	
For Bronze Grate, Add	78.50	
For Deck Clamp, Add	31.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	72.00	
22 14 26 13-0031 EA 9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top	492.32	161.91
For Galvanized Iron Parts, Add	55.00	
For Bronze Grate, Add	78.50	
For Deck Clamp, Add	31.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	72.00	



	Plumbing	22
	Plumbing Piping	22 10
	Facility Storm Drainage	22 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0032 Cast Iron Roof Drains With Large Cast Iron Dome <small>(22 14 26 13-0001)</small>		
22 14 26 13-0033 EA 15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome	404.38	107.96
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0034 EA 15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome	458.35	129.53
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0035 EA 15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome	512.32	161.91
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0036 EA 15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome	655.78	194.29
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0037 EA 15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome	682.76	215.86
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0038 EA 15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome	766.40	226.67
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0039 EA 15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome	938.58	234.77
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0040 Aluminum Roof Drains <small>(22 14 26 13)</small>		
22 14 26 13-0041 Aluminum Dome Roof Drains <small>(22 14 26 13-0040)</small>		
22 14 26 13-0042 EA 15" Diameter Roof Drain With 2" Outlet, Aluminum Dome.....	411.88	107.96
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0043 EA 15" Diameter Roof Drain With 3" Outlet, Aluminum Dome.....	465.85	129.53
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0044 EA 15" Diameter Roof Drain With 4" Outlet, Aluminum Dome.....	519.82	161.91
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0045 EA 15" Diameter Roof Drain With 6" Outlet, Aluminum Dome.....	690.26	215.67
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0046 EA 15" Diameter Roof Drain With 8" Outlet, Aluminum Dome.....	774.03	226.67
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0047 EA 15" Diameter Roof Drain With 10" Outlet, Aluminum Dome.....	946.08	234.77
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0048 Retrofit Roof Drains <small>(22 14 26 13)</small>		
22 14 26 13-0049 Copolymer Retrofit Roof Drains With Copolymer Strainer Dome <small>(22 14 26 13-0048)</small>		
22 14 26 13-0050 EA Copolymer Retrofit 3" Roof Drains, With Copolymer Dome	465.46	129.53
22 14 26 13-0051 EA Copolymer Retrofit 4" Roof Drains, With Copolymer Dome	526.95	161.91
22 14 26 13-0052 EA Copolymer Retrofit 5" Roof Drains, With Copolymer Dome	638.01	194.29
22 14 26 13-0053 EA Copolymer Retrofit 6" Roof Drains, With Copolymer Dome	695.08	215.67
22 14 26 13-0054 Copolymer Retrofit Roof Drains With Cast Aluminum Strainer Dome <small>(22 14 26 13-0049)</small>		

22	Plumbing
22 10	Plumbing Piping
22 14	Facility Storm Drainage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0055 EA Copolymer Retrofit Drain, 3", With Cast Aluminum Dome	533.17	129.53
22 14 26 13-0056 EA Copolymer Retrofit Drain, 4", With Cast Aluminum Dome	591.66	161.91
22 14 26 13-0057 EA Copolymer Retrofit Drain, 5", With Cast Aluminum Dome	707.22	194.29
22 14 26 13-0058 EA Copolymer Retrofit Drain, 6", With Cast Aluminum Dome	743.23	215.67
22 14 26 13-0059 Aluminum Retrofit Roof Drains With Cast Aluminum Strainer Dome <small>(22 14 26 13-0048)</small>		
22 14 26 13-0060 EA Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome	468.47	129.53
<i>For Copolymer Strainer Dome, Deduct</i>	-24.00	
22 14 26 13-0061 EA Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome	529.96	161.91
<i>For Copolymer Strainer Dome, Deduct</i>	-24.00	
22 14 26 13-0062 EA Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome	641.02	194.29
<i>For Copolymer Strainer Dome, Deduct</i>	-24.00	
22 14 26 13-0063 EA Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome	674.02	215.67
<i>For Copolymer Strainer Dome, Deduct</i>	-24.00	
22 14 26 13-0064 Bronze Downspout Nozzles <small>(22 14 26 13)</small>		
22 14 26 13-0065 EA 2" Outlet, Bronze Roof Drain Downspout Nozzle	276.71	64.76
22 14 26 13-0066 EA 3" Outlet, Bronze Roof Drain Downspout Nozzle	276.71	64.76
22 14 26 13-0067 EA 4" Outlet, Bronze Roof Drain Downspout Nozzle	276.71	64.76
22 14 26 13-0068 EA 5" Outlet, Bronze Roof Drain Downspout Nozzle	426.91	80.96
22 14 26 13-0069 EA 6" Outlet, Bronze Roof Drain Downspout Nozzle	426.91	80.96
22 14 26 13-0070 EA 8" Outlet, Bronze Roof Drain Downspout Nozzle	550.28	80.96
22 14 26 16 Facility Area Drains <small>(22 14 26)</small>		
22 14 26 16-0001 Area Drain <small>(22 14 26 16)</small>		
22 14 26 16-0002 EA 12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	687.48	77.98
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0003 EA 12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	704.30	86.39
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0004 EA 12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	721.98	95.26
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0005 EA 12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	740.41	104.46
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0006 EA 12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	461.98	77.98
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0007 EA 12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	478.80	86.39
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0008 EA 12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	496.48	95.26
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0009 EA 12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	514.91	104.46
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0010 EA 12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	648.48	77.98
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	101.50	



	Plumbing	22
	Plumbing Piping	22 10
	Facility Storm Drainage	22 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0011	EA		12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	665.30	86.39
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0012	EA		12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	682.98	95.26
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0013	EA		12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	701.41	104.46
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0014	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,283.48	77.98
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0015	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,300.30	86.39
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0016	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,317.98	95.26
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0017	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,336.41	104.46
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0018	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	678.48	77.98
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0019	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	695.30	86.39
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0020	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	712.98	95.26
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0021	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	731.41	104.46
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0022	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,221.98	77.98
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0023	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,238.80	86.39
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0024	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,256.48	95.26
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0025	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,274.91	104.46
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0026	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	362.48	77.98
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0027	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	379.30	86.39
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	

22	Plumbing
22 10	Plumbing Piping
22 14	Facility Storm Drainage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0028 EA 9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	396.98	95.26
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Grate, Add	30.50	
22 14 26 16-0029 EA 9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	259.48	77.98
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Grate, Add	30.50	
22 14 26 16-0030 EA 9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	276.30	86.39
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Grate, Add	30.50	
22 14 26 16-0031 EA 9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	293.98	95.26
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Grate, Add	30.50	
22 14 26 16-0032 EA 9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	347.48	77.98
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Grate, Add	30.50	
22 14 26 16-0033 EA 9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	364.30	86.39
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Grate, Add	30.50	
22 14 26 16-0034 EA 9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	381.98	95.26
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Grate, Add	30.50	
22 14 26 16-0035 EA 12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	888.98	77.98
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	126.00	
For Galvanized Cast Iron Parts, Add	205.00	
22 14 26 16-0036 EA 12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	905.80	86.39
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	126.00	
For Galvanized Cast Iron Parts, Add	205.00	
22 14 26 16-0037 EA 12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	923.48	95.26
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	126.00	
For Galvanized Cast Iron Parts, Add	205.00	
22 14 26 16-0038 EA 12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	613.48	77.98
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	126.00	
For Galvanized Cast Iron Parts, Add	205.00	
22 14 26 16-0039 EA 12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	630.30	86.39
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	126.00	
For Galvanized Cast Iron Parts, Add	205.00	
22 14 26 16-0040 EA 12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	647.98	95.26
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	126.00	
For Galvanized Cast Iron Parts, Add	205.00	
22 14 26 16-0041 EA 12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	840.98	77.98
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	126.00	
For Galvanized Cast Iron Parts, Add	205.00	
22 14 26 16-0042 EA 12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	857.80	86.39
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	126.00	
For Galvanized Cast Iron Parts, Add	205.00	
22 14 26 16-0043 EA 12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	875.48	95.26
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	126.00	
For Galvanized Cast Iron Parts, Add	205.00	
22 14 26 19 Facility Trench Drains (22 14 26)		
22 14 26 19-0001 Trench Drain (22 14 26 19)		
Note: Each section is 39.4" in length.		
22 14 26 19-0002 EA 6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	574.32	77.98
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	66.00	
For Galvanized Cast Iron Parts, Add	65.50	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0003	EA			6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	591.14	86.39
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	66.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0004	EA			6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	608.82	95.26
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	66.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0005	EA			6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	358.27	77.98
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	66.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0006	EA			6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	375.09	86.39
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	66.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0007	EA			6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	392.77	95.26
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	66.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0008	EA			6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	544.88	77.98
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	66.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0009	EA			6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	561.70	86.39
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	66.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0010	EA			6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	579.38	95.26
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	66.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0011	EA			6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	496.01	38.85
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	66.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0012	EA			6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	279.96	38.85
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	66.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0013	EA			6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	466.57	38.85
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	66.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0014	EA			12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	897.70	77.98
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
				<i>For Sediment Bucket, Add</i>	116.00	
				<i>For Galvanized Sediment Bucket, Add</i>	188.50	
				<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0015	EA			12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	914.52	86.39
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
				<i>For Sediment Bucket, Add</i>	116.00	
				<i>For Galvanized Sediment Bucket, Add</i>	188.50	
				<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0016	EA			12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	932.20	95.26
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
				<i>For Sediment Bucket, Add</i>	116.00	
				<i>For Galvanized Sediment Bucket, Add</i>	188.50	
				<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0017	EA			12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	630.36	77.98
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
				<i>For Sediment Bucket, Add</i>	116.00	
				<i>For Galvanized Sediment Bucket, Add</i>	188.50	
				<i>For Galvanized Cast Iron Parts, Add</i>	131.50	

22	Plumbing
22 10	Plumbing Piping
22 14	Facility Storm Drainage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0018 EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	647.18	86.39
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0019 EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	664.86	95.26
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0020 EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	861.13	77.98
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0021 EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	877.95	86.39
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0022 EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	895.63	95.26
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0023 EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	755.24	77.98
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0024 EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	772.06	86.39
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0025 EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	789.74	95.26
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0026 EA 12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	819.38	38.85
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
22 14 26 19-0027 EA 12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	552.04	38.85
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
22 14 26 19-0028 EA 12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	782.81	38.85
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
22 14 26 19-0029 EA 12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	676.92	38.85
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	

22 14 29 Sump Pumps (22 14)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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See CSI section 22 11 16 00-0000 for pipe extensions into well.

22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps (22 14 29)

22 14 29 13-0001	Vertical Mounted Sump Pumps (22 14 29 13)		
	Note: Mounted on steel support plate and supplied with cast iron strainer, 1750 RPM drip-proof motor, 5' column sections.		
22 14 29 13-0002	EA 1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head.....	2,891.94	187.93
22 14 29 13-0003	EA 1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head.....	3,077.15	227.47
22 14 29 13-0004	EA 2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head.....	3,522.86	270.23
22 14 29 13-0005	EA 3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head.....	3,788.04	332.45
22 14 29 13-0006	EA 5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head.....	4,007.24	360.32
22 14 29 13-0007	EA 10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head.....	4,755.46	432.24
22 14 29 13-0008	EA 15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head.....	5,501.42	440.60
22 14 29 13-0009	EA 20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head.....	6,717.09	549.90
22 14 29 13-0010	EA 30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head.....	7,288.12	641.32
22 14 29 13-0011	EA 50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head.....	9,717.97	769.85
22 14 29 13-0012	EA 60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head.....	13,307.61	855.09

22 14 29 13-0013 Extra Column Assemblies (22 14 29 13)

22 14 29 13-0014	EA 1-1/2" Diameter x 5' Long Extra Column Assembly.....	1,200.19	
22 14 29 13-0015	EA 2" Diameter x 5' Long Extra Column Assembly.....	1,313.28	
22 14 29 13-0016	EA 2-1/2" Diameter x 5' Long Extra Column Assembly.....	519.49	
22 14 29 13-0017	EA 3" Diameter x 5' Long Extra Column Assembly.....	1,725.45	
22 14 29 13-0018	EA 4" Diameter x 5' Long Extra Column Assembly.....	1,928.59	
22 14 29 13-0019	EA 5" Diameter x 5' Long Extra Column Assembly.....	709.88	
22 14 29 13-0020	EA 6" Diameter x 5' Long Extra Column Assembly.....	2,204.46	
22 14 29 13-0021	EA 8" Diameter x 5' Long Extra Column Assembly.....	2,412.20	

22 14 29 13-0022 Float Switch (22 14 29 13)

22 14 29 13-0023	EA For Float Switch Copper Coated Float, General Purpose.....	1,332.06	20.40
22 14 29 13-0024	EA For Float Switch Copper Coated Float, Weathertight.....	1,397.27	20.40
22 14 29 13-0025	EA For Float Switch Copper Coated Float, Explosion Proof.....	1,427.36	20.40

22 14 29 13-0026 Support Plate (22 14 29 13)

22 14 29 13-0027	EA 24" Steel Support Plate, Round Or Square.....	437.45	25.91
22 14 29 13-0028	EA 30" Steel Support Plate, Round Or Square.....	484.33	29.14
22 14 29 13-0029	EA 36" Steel Support Plate, Round Or Square.....	671.82	38.85
22 14 29 13-0030	EA 40" Steel Support Plate, Round Or Square.....	973.32	45.34
22 14 29 13-0031	EA 42" Steel Support Plate, Round Or Square.....	1,043.20	46.95
22 14 29 13-0032	EA 48" Steel Support Plate, Round Or Square.....	1,115.20	48.58
22 14 29 13-0033	EA 54" Steel Support Plate, Round Or Square.....	1,420.16	58.29
22 14 29 13-0034	EA 60" Steel Support Plate, Round Or Square.....	1,921.64	64.76
22 14 29 13-0035	EA 72" Steel Support Plate, Round Or Square.....	2,564.99	80.96
22 14 29 13-0036	EA 84" Steel Support Plate, Round Or Square.....	3,095.62	89.05

22 14 29 16 Submersible Sump Pumps (22 14 29)

Note: Includes 25' of cord with pumps unless otherwise noted.

22 14 29 16-0001	Submersible Sump Pump With Vortex Impeller (22 14 29 16)		
22 14 29 16-0002	Submersible Sump Pump With Cast Iron Vortex Impeller (22 14 29 16-0001)		
22 14 29 16-0003	EA 1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	256.11	42.21
22 14 29 16-0004	EA 1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	285.00	42.21
22 14 29 16-0005	EA 1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	418.94	44.67
22 14 29 16-0006	EA 1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	452.68	44.67
22 14 29 16-0007	Submersible Sump Pump With Bronze Vortex Impeller (22 14 29 16-0001)		
22 14 29 16-0008	EA 1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	672.81	44.67
22 14 29 16-0009	EA 1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	731.00	44.67
22 14 29 16-0010	EA 1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	767.86	49.24
22 14 29 16-0011	EA 1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	828.08	49.24
22 14 29 16-0012	EA 1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	864.65	56.28
22 14 29 16-0013	EA 1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	924.88	56.28
22 14 29 16-0014	EA 2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	932.67	66.83
22 14 29 16-0015	EA 2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	982.31	66.83

22	Plumbing
22 10	Plumbing Piping
22 14	Facility Storm Drainage



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 14 29 16-0016	Submersible Sump Pump With Semi-Open Impeller (22 14 29 16)			
22 14 29 16-0017	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	659.00	42.21
22 14 29 16-0018	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	754.19	44.67
22 14 29 16-0019	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	900.26	47.14
22 14 29 16-0020	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	951.37	49.24
22 14 29 16-0021	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	1,085.23	56.28
22 14 29 16-0022	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	1,264.27	66.83

22 14 29 19 Sump-Pump Basins and Pits (22 14 29)
See CSI section 22 13 29 33-0000 for basins and pits.

22 15 General Service Compressed-Air Systems (22 10)

22 15 13 General Service Compressed-Air Piping (22 15)

22 15 13 00-0001 Quick Disconnect, Air-Service (22 15 13)

22 15 13 00-0002 Combination Steel And Brass (22 15 13 00-0001)

22 15 13 00-0003	EA	1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	31.26	9.85
22 15 13 00-0004	EA	3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	34.53	11.96

22 15 13 00-0005 Refrigerated Air Dryers With Ambient Air Filters (22 15 13)

22 15 13 00-0006	EA	3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	529.04	55.23
22 15 13 00-0007	EA	5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	603.84	56.76
22 15 13 00-0008	EA	7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	774.28	58.30
22 15 13 00-0009	EA	10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	903.65	61.36
22 15 13 00-0010	EA	15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,005.06	69.04
22 15 13 00-0011	EA	20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,115.31	78.55
22 15 13 00-0012	EA	30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,584.27	99.72
22 15 13 00-0013	EA	40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,780.37	116.59
22 15 13 00-0014	EA	50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,936.29	124.57
22 15 13 00-0015	EA	60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,103.48	138.07
22 15 13 00-0016	EA	75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,369.75	153.42
22 15 13 00-0017	EA	85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,638.42	168.75
22 15 13 00-0018	EA	100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,773.94	187.16
22 15 13 00-0019	EA	125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,241.52	199.43
22 15 13 00-0020	EA	175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,917.00	207.11
22 15 13 00-0021	EA	200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	4,636.73	214.78
22 15 13 00-0022	EA	250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	5,158.66	222.44
22 15 13 00-0023	EA	300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	5,621.74	230.12
22 15 13 00-0024	EA	400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	6,287.45	245.46
22 15 13 00-0025	EA	500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	7,340.59	306.82
22 15 13 00-0026	EA	600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	9,290.65	368.19
22 15 13 00-0027	EA	800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	10,343.79	429.55
22 15 13 00-0028	EA	1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	12,175.46	490.92

22 15 13 00-0029 Oil And Water Separator For Air Compressor (22 15 13)

22 15 13 00-0030	EA	0-60 SCFM Oil/Water Separator.....	446.96	22.53
22 15 13 00-0031	EA	85 SCFM Oil/Water Separator.....	677.05	26.40
22 15 13 00-0032	EA	190 SCFM Oil/Water Separator.....	791.71	29.91
22 15 13 00-0033	EA	245 SCFM Oil/Water Separator.....	994.81	35.19
22 15 13 00-0034	EA	320 SCFM Oil/Water Separator.....	1,182.30	42.23
22 15 13 00-0035	EA	700 SCFM Oil/Water Separator.....	2,382.39	87.98

22 15 13 00-0036 Heavy Duty Industrial Pressure Regulator (22 15 13)

22 15 13 00-0037	EA	3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	81.07	18.41
22 15 13 00-0038	EA	1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	113.67	24.54
22 15 13 00-0039	EA	3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	198.65	30.69
22 15 13 00-0040	EA	1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	246.08	46.03
22 15 13 00-0041	EA	1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	348.17	53.69
22 15 13 00-0042	EA	1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	363.51	61.36

22 15 13 00-0043 Combination Air System; Filter Regulator Lubricator (22 15 13)

22 15 13 00-0044	EA	3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter.....	313.75	55.23
22 15 13 00-0045	EA	1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter.....	386.45	73.64

22 15 13 00-0046 Heatless Desiccant Air Dryers (22 15 13)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0047 EA 5 SCFM Heatless Desiccant Air Dryer.....	1,955.37	55.23
22 15 13 00-0048 EA 10 SCFM Heatless Desiccant Air Dryer.....	2,353.08	61.36
22 15 13 00-0049 EA 15 SCFM Heatless Desiccant Air Dryer.....	2,373.72	67.50
22 15 13 00-0050 EA 20 SCFM Heatless Desiccant Air Dryer.....	2,711.48	76.70
22 15 13 00-0051 EA 30 SCFM Heatless Desiccant Air Dryer.....	3,740.70	92.05
22 15 13 00-0052 EA 50 SCFM Heatless Desiccant Air Dryer.....	3,681.28	122.73
22 15 13 00-0053 EA 85 SCFM Heatless Desiccant Air Dryer.....	4,949.30	153.42
22 15 13 00-0054 EA 100 SCFM Heatless Desiccant Air Dryer.....	5,243.64	184.09
22 15 13 00-0055 EA 125 SCFM Heatless Desiccant Air Dryer.....	6,001.49	214.78
22 15 13 00-0056 EA 175 SCFM Heatless Desiccant Air Dryer.....	6,891.97	245.46
22 15 13 00-0057 EA 200 SCFM Heatless Desiccant Air Dryer.....	7,401.21	276.14
22 15 13 00-0058 EA 300 SCFM Heatless Desiccant Air Dryer.....	9,062.68	306.82
22 15 13 00-0059 EA 400 SCFM Heatless Desiccant Air Dryer.....	10,056.03	368.19
22 15 13 00-0060 EA 500 SCFM Heatless Desiccant Air Dryer.....	11,621.01	429.55
22 15 13 00-0061 EA 600 SCFM Heatless Desiccant Air Dryer.....	13,410.83	490.92
22 15 13 00-0062 Air Cooled Aftercoolers (22 15 13)		
22 15 13 00-0063 EA 20 SCFM Air-Cooled Aftercooler.....	483.33	38.35
22 15 13 00-0064 EA 35 SCFM Air-Cooled Aftercooler.....	655.32	46.03
22 15 13 00-0065 EA 43 SCFM Air-Cooled Aftercooler.....	718.49	53.69
22 15 13 00-0066 EA 70 SCFM Air-Cooled Aftercooler.....	879.73	61.36
22 15 13 00-0067 EA 125 SCFM Air-Cooled Aftercooler.....	1,232.31	69.04
22 15 13 00-0068 EA 185 SCFM Air-Cooled Aftercooler.....	1,384.00	76.70
22 15 13 00-0069 EA 260 SCFM Air-Cooled Aftercooler.....	2,703.13	92.05
22 15 13 00-0070 EA 365 SCFM Air-Cooled Aftercooler.....	2,821.36	107.39
22 15 13 00-0071 EA 560 SCFM Air-Cooled Aftercooler.....	2,938.63	122.73
22 15 13 00-0072 EA 650 SCFM Air-Cooled Aftercooler.....	3,448.62	138.07
22 15 13 00-0073 EA 750 SCFM Air-Cooled Aftercooler.....	3,769.19	153.42
22 15 13 00-0074 EA 900 SCFM Air-Cooled Aftercooler.....	4,325.12	168.75
22 15 13 00-0075 EA 1,100 SCFM Air-Cooled Aftercooler.....	5,566.05	184.09
22 15 13 00-0076 EA 1,460 SCFM Air-Cooled Aftercooler.....	6,371.19	199.43
22 15 13 00-0077 EA 1,800 SCFM Air-Cooled Aftercooler.....	6,575.28	214.78
22 15 13 00-0078 EA 2,500 SCFM Air-Cooled Aftercooler.....	7,050.84	230.12
22 15 13 00-0079 Compressed Air Coalescing Filters (22 15 13)		
22 15 13 00-0080 1.0 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0079)		
22 15 13 00-0081 EA 10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	165.34	22.87
22 15 13 00-0082 EA 20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	198.83	22.87
22 15 13 00-0083 EA 50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating.....	216.63	26.40
22 15 13 00-0084 EA 75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	249.48	30.26
22 15 13 00-0085 EA 100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	291.69	33.44
22 15 13 00-0086 EA 140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating.....	329.69	40.47
22 15 13 00-0087 EA 175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating.....	382.31	43.98
22 15 13 00-0088 EA 250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating.....	430.85	52.79
22 15 13 00-0089 EA 280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	552.15	70.38
22 15 13 00-0090 EA 350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	631.94	79.17
22 15 13 00-0091 0.01 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0079)		
22 15 13 00-0092 EA 16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating.....	203.61	22.87
22 15 13 00-0093 EA 30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	220.21	26.40
22 15 13 00-0094 EA 60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating.....	252.83	30.26
22 15 13 00-0095 EA 100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating.....	298.39	29.91
22 15 13 00-0096 EA 140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	337.34	40.47
22 15 13 00-0097 EA 180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	383.37	43.98
22 15 13 00-0098 EA 250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	439.47	52.79
22 15 13 00-0099 EA 280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	566.50	70.38
22 15 13 00-0100 EA 350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	651.07	79.17
22 15 13 00-0101 Compressed Air Storage Tanks (22 15 13)		
22 15 13 00-0102 Horizontal Compressed Air Storage Tanks (22 15 13 00-0101)		
22 15 13 00-0103 EA 12 Gallon Horizontal Compressed Air Storage Tank, ASME.....	265.62	49.09
22 15 13 00-0104 EA 15 Gallon Horizontal Compressed Air Storage Tank, ASME.....	353.18	53.69
22 15 13 00-0105 EA 20 Gallon Horizontal Compressed Air Storage Tank, ASME.....	374.06	56.45
22 15 13 00-0106 EA 30 Gallon Horizontal Compressed Air Storage Tank, ASME.....	425.51	61.36
22 15 13 00-0107 EA 60 Gallon Horizontal Compressed Air Storage Tank, ASME.....	556.35	82.84
22 15 13 00-0108 EA 80 Gallon Horizontal Compressed Air Storage Tank, ASME.....	669.07	92.05
22 15 13 00-0109 EA 120 Gallon Horizontal Compressed Air Storage Tank, ASME.....	993.79	107.39
22 15 13 00-0110 EA 200 Gallon Horizontal Compressed Air Storage Tank, ASME.....	1,469.96	122.73
22 15 13 00-0111 EA 240 Gallon Horizontal Compressed Air Storage Tank, ASME.....	1,636.78	130.40
22 15 13 00-0112 EA 325 Gallon Horizontal Compressed Air Storage Tank, ASME.....	2,350.01	138.07
22 15 13 00-0113 EA 400 Gallon Horizontal Compressed Air Storage Tank, ASME.....	3,089.46	161.08
22 15 13 00-0114 EA 660 Gallon Horizontal Compressed Air Storage Tank, ASME.....	4,431.42	191.77
22 15 13 00-0115 Vertical Compressed Air Storage Tanks (22 15 13 00-0101)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0116 EA 10 Gallon Vertical Compressed Air Storage Tank, ASME	328.62	49.09
22 15 13 00-0117 EA 15 Gallon Vertical Compressed Air Storage Tank, ASME	345.50	53.69
22 15 13 00-0118 EA 20 Gallon Vertical Compressed Air Storage Tank, ASME	374.06	56.45
22 15 13 00-0119 EA 30 Gallon Vertical Compressed Air Storage Tank, ASME	440.72	61.36
22 15 13 00-0120 EA 60 Gallon Vertical Compressed Air Storage Tank, ASME	601.97	82.84
22 15 13 00-0121 EA 80 Gallon Vertical Compressed Air Storage Tank, ASME	691.04	92.05
22 15 13 00-0122 EA 120 Gallon Vertical Compressed Air Storage Tank, ASME	946.01	107.39
22 15 13 00-0123 EA 200 Gallon Vertical Compressed Air Storage Tank, ASME	1,371.49	122.73
22 15 13 00-0124 EA 240 Gallon Vertical Compressed Air Storage Tank, ASME	1,511.28	130.40
22 15 13 00-0125 EA 325 Gallon Vertical Compressed Air Storage Tank, ASME	2,042.77	138.07
22 15 13 00-0126 EA 400 Gallon Vertical Compressed Air Storage Tank, ASME	2,612.64	161.08
22 15 13 00-0127 EA 500 Gallon Vertical Compressed Air Storage Tank, ASME	3,396.06	176.43
22 15 13 00-0128 EA 660 Gallon Vertical Compressed Air Storage Tank, ASME	5,614.27	199.43

22 15 19 General Service Packaged Air Compressors And Receivers (22 15)

Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 13 General Service Packaged Reciprocating Air Compressors (22 15 19)

22 15 19 13-0001	Single Stage Compressor (22 15 19 13)		
Note: Includes receiver, reciprocating air cooled, 140 PSIG working pressure, splash lubricated, tank mounted.			
22 15 19 13-0002 EA	1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	1,419.51	217.73
22 15 19 13-0003 EA	3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	1,491.38	251.29
22 15 19 13-0004 EA	1 HP 1-Stage Air Compressor, 2.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	1,705.34	296.76
22 15 19 13-0005 EA	2 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	1,939.15	327.44
22 15 19 13-0006 EA	3 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,353.05	345.85
22 15 19 13-0007 EA	3 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	2,510.18	358.12
22 15 19 13-0008 EA	5 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	2,821.28	409.30
22 15 19 13-0009 EA	5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	3,024.30	433.85
22 15 19 13-0010 EA	7.5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure.....	3,618.42	491.17

22 15 19 13-0011 Two Stage Compressor (22 15 19 13)

Note: With receiver, reciprocating air cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.

22 15 19 13-0012 EA	1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure	2,702.51	382.67
22 15 19 13-0013 EA	2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	2,914.90	450.23
22 15 19 13-0014 EA	3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	3,053.95	491.17
22 15 19 13-0015 EA	5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSI Discharge Pressure	3,519.76	654.89
22 15 19 13-0016 EA	5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	3,776.88	654.89
22 15 19 13-0017 EA	7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	4,095.07	818.61
22 15 19 13-0018 EA	7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	4,328.27	818.61
22 15 19 13-0019 EA	10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	5,540.39	1,012.53
22 15 19 13-0020 EA	10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure	5,958.56	1,043.20
22 15 19 13-0021 EA	15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	6,433.30	1,219.20
22 15 19 13-0022 EA	20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	9,539.93	1,380.09
22 15 19 13-0023 EA	25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	10,274.59	1,559.47
22 15 19 13-0024 EA	30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	11,446.71	1,723.56
22 15 19 13-0025 EA	30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure	12,457.49	1,888.94

22 15 19 19 General Service Packaged Rotary-Screw Air Compressors (22 15 19)

22 15 19 19-0001	Rotary Screw Air Compressor, Base Mounted Without Receiver (22 15 19 19)		
Note: Oil flooded.			
22 15 19 19-0002 EA	3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	4,597.30	561.63
22 15 19 19-0003 EA	5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	5,171.82	748.85
22 15 19 19-0004 EA	7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	6,622.93	938.88
22 15 19 19-0005 EA	10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	7,706.55	1,196.47
22 15 19 19-0006 EA	15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	8,821.59	1,407.61
22 15 19 19-0007 EA	20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	10,666.16	1,583.57
22 15 19 19-0008 EA	25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	11,701.10	1,759.52
22 15 19 19-0009 EA	30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	14,014.47	1,970.66
22 15 19 19-0010 EA	40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	15,386.81	2,111.42
22 15 19 19-0011 EA	50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	17,240.50	2,275.40
22 15 19 19-0012 EA	60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	22,242.96	2,463.33
22 15 19 19-0013 EA	75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	24,637.79	2,604.09
22 15 19 19-0014 EA	100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	39,104.92	2,815.23
22 15 19 19-0015 EA	125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	48,634.05	3,043.97
22 15 19 19-0016 EA	150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	56,408.99	3,276.22
22 15 19 19-0017 EA	220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	73,146.25	3,519.04
22 15 19 19-0018 EA	250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	83,024.32	3,744.25



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 19 19-0019				Rotary Screw Air Compressor, Base Mounted With Receiver <small>(22 15 19 19)</small> Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.		
22 15 19 19-0020	EA			5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	5,754.22	748.85
22 15 19 19-0021	EA			5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	6,098.64	748.85
22 15 19 19-0022	EA			7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	6,896.79	938.88
22 15 19 19-0023	EA			7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	7,273.50	938.88
22 15 19 19-0024	EA			10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	7,857.24	1,196.47
22 15 19 19-0025	EA			10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	8,255.47	1,196.47
22 15 19 19-0026	EA			15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	8,945.97	1,407.61
22 15 19 19-0027	EA			15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	9,376.49	1,407.61
22 15 19 19-0028	EA			20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	15,201.01	1,583.57
22 15 19 19-0029	EA			25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	16,397.40	1,759.52
22 15 19 19-0030	EA			30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	17,486.16	1,970.66

22 30 Plumbing Equipment (22)

22 31 Domestic Water Softeners (22 30)

22 31 16 Commercial Domestic Water Softeners (22 31)

22 31 16 00-0001 **Commercial Water Softeners (Watts Pure Water)** (22 31 16)

22 31 16 00-0002 **Commercial Water Softeners (Watts Pure Water)** (22 31 16 00-0001)

22 31 16 00-0003 **1" Pipe Connection, Commercial Water Softeners (Watts Pure Water)** (22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0004	EA			30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11).....	2,617.80	178.11
22 31 16 00-0005	EA			45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11).....	2,736.30	186.19
22 31 16 00-0006	EA			60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11).....	2,953.78	194.29
22 31 16 00-0007	EA			90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11).....	3,401.18	202.39
22 31 16 00-0008	EA			120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11).....	3,625.27	210.49

22 31 16 00-0009 **1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water)** (22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0010	EA			60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11).....	3,925.08	194.29
22 31 16 00-0011	EA			90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11).....	4,128.28	202.39
22 31 16 00-0012	EA			120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11).....	4,353.47	210.49
22 31 16 00-0013	EA			150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11).....	5,174.86	218.58
22 31 16 00-0014	EA			210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11).....	5,753.15	226.67
22 31 16 00-0015	EA			300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11).....	7,006.84	234.77

22 31 16 00-0016 **2" Pipe Connection, Commercial Water Softeners (Watts Pure Water)** (22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0017	EA			90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11).....	5,965.28	202.39
22 31 16 00-0018	EA			120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11).....	6,182.77	210.49
22 31 16 00-0019	EA			150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11).....	7,006.36	218.58
22 31 16 00-0020	EA			210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11).....	7,584.65	226.67
22 31 16 00-0021	EA			300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11).....	8,906.54	234.77

22	Plumbing
22 30	Plumbing Equipment
22 31	Domestic Water Softeners



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0022 EA 450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11).....	11,750.83	242.87
22 31 16 00-0023 EA 600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11).....	13,748.13	250.96
22 31 16 00-0024 3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0025 EA 300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11).....	14,432.94	234.77
22 31 16 00-0026 EA 450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11).....	16,675.53	242.87
22 31 16 00-0027 EA 600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11).....	18,646.43	250.96
22 31 16 00-0028 EA 900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11).....	23,479.51	259.06
22 31 16 00-0029 EA 1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11).....	25,999.31	267.15
22 31 16 00-0030 Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)		
22 31 16 00-0031 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0030) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032 EA 90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21).....	9,792.17	303.58
22 31 16 00-0033 EA 120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21).....	10,226.75	315.72
22 31 16 00-0034 EA 150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21).....	11,646.94	327.87
22 31 16 00-0035 EA 210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21).....	12,734.92	340.02
22 31 16 00-0036 EA 300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21).....	15,548.82	352.16
22 31 16 00-0037 EA 450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21).....	20,604.50	364.30
22 31 16 00-0038 EA 600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21).....	24,254.38	376.44
22 31 16 00-0039 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0030) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040 EA 300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21).....	26,509.22	352.16
22 31 16 00-0041 EA 450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21).....	30,456.10	364.30
22 31 16 00-0042 EA 600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21).....	34,228.08	376.44
22 31 16 00-0043 EA 900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21).....	43,557.27	388.58
22 31 16 00-0044 EA 1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21).....	48,633.86	400.73
22 31 16 00-0045 Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)		
22 31 16 00-0046 1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0045) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047 EA 30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21).....	3,440.51	267.15
22 31 16 00-0048 EA 45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21).....	3,669.39	279.30
22 31 16 00-0049 EA 60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21).....	4,002.78	291.44
22 31 16 00-0050 EA 90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21).....	4,805.87	303.58
22 31 16 00-0051 EA 120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	5,316.35	315.72
22 31 16 00-0052 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0045) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0053 EA 60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21).....	6,745.08	291.44
22 31 16 00-0054 EA 90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21).....	7,112.57	303.58
22 31 16 00-0055 EA 120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21).....	7,656.05	315.72
22 31 16 00-0056 EA 150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21).....	8,764.94	327.87
22 31 16 00-0057 EA 210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	9,890.32	340.02
22 31 16 00-0058 EA 300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	12,386.32	352.16

22 32 Domestic Water Filtration Equipment (22 30)

22 32 16 Domestic-Water Freestanding Cartridge Filters (22 32)

22 32 16 00-0001 Commercial Water Filters Housings (22 32 16)

22 32 16 00-0002 Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0001)

22 32 16 00-0003 Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0002)

22 32 16 00-0004 EA 25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1).....	1,356.24	114.36
22 32 16 00-0005 EA 30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1).....	1,383.73	123.17
22 32 16 00-0006 EA 60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2).....	1,472.83	131.97
22 32 16 00-0007 EA 90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3).....	1,630.12	140.76
22 32 16 00-0008 EA 120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4).....	1,679.62	149.55
22 32 16 00-0009 EA 150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4).....	2,033.81	158.36
22 32 16 00-0010 EA 250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3).....	5,688.01	167.16
22 32 16 00-0011 EA 300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4).....	6,615.30	175.95
22 32 16 00-0012 EA 500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3).....	8,395.10	184.74
22 32 16 00-0013 EA 600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4).....	9,311.39	193.55

22 32 16 00-0014 Commercial Water Filter Cartridges (22 32 16 00-0002)

22 32 16 00-0015 (Depth) Water Filter Cartridges (22 32 16 00-0014)

22 32 16 00-0016 EA 50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50).....	6.93	1.41
22 32 16 00-0017 EA 20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20).....	6.93	1.41
22 32 16 00-0018 EA 10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10).....	6.93	1.41
22 32 16 00-0019 EA 5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5).....	5.83	1.41
22 32 16 00-0020 EA 1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1).....	7.21	1.41
22 32 16 00-0021 EA 50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50).....	7.21	1.41
22 32 16 00-0022 EA 20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20).....	7.76	1.41
22 32 16 00-0023 EA 5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5).....	9.69	1.41
22 32 16 00-0024 EA 1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1).....	7.76	1.41
22 32 16 00-0025 EA 50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50).....	9.13	1.41
22 32 16 00-0026 EA 20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20).....	9.13	1.41
22 32 16 00-0027 EA 5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5).....	9.13	1.41
22 32 16 00-0028 EA 1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1).....	9.96	1.41
22 32 16 00-0029 EA 50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50).....	12.99	1.41
22 32 16 00-0030 EA 20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20).....	11.89	1.41
22 32 16 00-0031 EA 5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5).....	11.89	1.41
22 32 16 00-0032 EA 1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1).....	12.99	1.41

22 32 16 00-0033 Pleated Water Filter Cartridges (22 32 16 00-0014)

22 32 16 00-0034 EA 50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50).....	12.16	1.41
22 32 16 00-0035 EA 20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20).....	12.16	1.41
22 32 16 00-0036 EA 5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5).....	12.43	1.41
22 32 16 00-0037 EA 1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1).....	13.26	1.41
22 32 16 00-0038 EA 1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB).....	19.86	1.41
22 32 16 00-0039 EA 50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50).....	19.03	1.41
22 32 16 00-0040 EA 20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20).....	19.03	1.41
22 32 16 00-0041 EA 5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5).....	19.03	1.41
22 32 16 00-0042 EA 1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1).....	25.09	1.41
22 32 16 00-0043 EA 1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB).....	35.53	1.41
22 32 16 00-0044 EA 50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50).....	29.76	1.41
22 32 16 00-0045 EA 20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20).....	41.31	1.41
22 32 16 00-0046 EA 5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5).....	42.96	1.41
22 32 16 00-0047 EA 1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1).....	48.46	1.41

22	Plumbing
22 30	Plumbing Equipment
22 32	Domestic Water Filtration Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0048 Commercial Non-Metallic Water Filter Housings (22 32 16 00-0001)		
22 32 16 00-0049 Commercial Non-Metallic Water Filter Housings (22 32 16 00-0048)		
22 32 16 00-0050 EA 150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG).....	1,069.69	105.57
22 32 16 00-0051 Commercial Water Filter Cartridges (22 32 16 00-0048)		
22 32 16 00-0052 Carbon Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0053 EA Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5).....	345.46	1.41
22 32 16 00-0054 (Depth) Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0055 EA 50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50).....	71.83	1.41
22 32 16 00-0056 EA 20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20).....	71.29	1.41
22 32 16 00-0057 EA 5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5).....	71.29	1.41
22 32 16 00-0058 EA 1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1).....	81.73	1.41
22 32 16 00-0059 Pleated Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0060 EA 150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150).....	189.81	1.41
22 32 16 00-0061 EA 50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50).....	178.26	1.41
22 32 16 00-0062 EA 20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20).....	194.21	1.41
22 32 16 00-0063 EA 5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5).....	203.56	1.41
22 32 16 00-0064 EA 1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1).....	216.76	1.41
22 32 16 00-0065 EA 1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB).....	234.91	1.41
22 33 Electric Domestic Water Heaters (22 30)		
22 33 13 Instantaneous Electric Domestic Water Heaters (22 33)		
22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)		
22 33 13 13-0001 Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 13)		
22 33 13 13-0002 EA 3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95).....	251.30	35.17
22 33 13 13-0003 EA 7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P).....	318.25	35.17
22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)		
22 33 13 16-0001 Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 16)		
Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002 EA 3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T).....	336.63	52.76
22 33 13 16-0003 EA 12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12).....	409.45	70.35
22 33 13 16-0004 EA 17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115).....	694.37	123.11
22 33 13 16-0005 EA 26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125).....	1,043.06	140.70
22 33 13 16-0006 EA 12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 12 Plus).....	664.47	70.35
22 33 13 16-0007 EA 14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 15 Plus).....	912.44	105.52
22 33 13 16-0008 EA 19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 20 Plus).....	1,017.10	140.70
22 33 13 16-0009 EA 24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 24 Plus).....	1,053.43	140.70
22 33 13 16-0010 EA 28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 29 Plus).....	1,087.74	140.70
22 33 13 16-0011 EA 36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 36 Plus).....	1,138.20	140.70
22 33 30 Residential, Electric Domestic Water Heaters (22 33)		
22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters (22 33 30)		
22 33 30 13-0001 Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 13)		
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 13-0002 EA 2 Gallon, Small-Capacity, Electric Domestic Water Heater.....	487.97	110.80
22 33 30 13-0003 EA 10 Gallon, Small-Capacity, Electric Domestic Water Heater.....	590.85	117.84
22 33 30 13-0004 EA 20 Gallon, Small-Capacity, Electric Domestic Water Heater.....	690.21	123.11



Plumbing	22	22
Plumbing Equipment	22 30	
Electric Domestic Water Heaters	22 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 33 30 16 Residential, Storage Electric Domestic Water Heaters (22 33 30)

22 33 30 16-0001	Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16)		
	Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0002	EA 30 Gallon, Electric Domestic Water Heater.....	733.62	123.11
22 33 30 16-0003	EA 40 Gallon, Electric Domestic Water Heater.....	695.02	126.63
22 33 30 16-0004	EA 50 Gallon, Electric Domestic Water Heater.....	686.52	130.14
22 33 30 16-0005	EA 55 Gallon, Electric Domestic Water Heater.....	760.26	131.91
22 33 30 16-0006	EA 66 Gallon, Electric Domestic Water Heater.....	1,078.95	135.42
22 33 30 16-0007	EA 80 Gallon, Electric Domestic Water Heater.....	1,100.60	140.70
22 33 30 16-0008	EA 120 Gallon, Electric Domestic Water Heater.....	1,446.96	149.49

22 33 30 16-0009 Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16)

	Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0010	EA 30 Gallon, Low-Boy, Electric Domestic Water Heater.....	783.46	123.11
22 33 30 16-0011	EA 40 Gallon, Low-Boy, Electric Domestic Water Heater.....	750.53	126.63
22 33 30 16-0012	EA 50 Gallon, Low-Boy, Electric Domestic Water Heater.....	793.09	130.14

22 33 30 16-0013 High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservatationist) (22 33 30 16)

	Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0014	EA 40 Gallon, High Efficiency, Electric Domestic Water Heater.....	808.75	126.63
22 33 30 16-0015	EA 50 Gallon, High Efficiency, Electric Domestic Water Heater.....	879.68	130.14
22 33 30 16-0016	EA 66 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,071.13	135.42
22 33 30 16-0017	EA 80 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,161.60	140.70

22 33 30 16-0018 Water Heater Accessories (22 33 30 16)

22 33 30 16-0019	EA 2 Gallon, Expansion Pressure Tank For Water Heaters.....	60.75	7.03
22 33 30 16-0020	EA 4.4 Gallon, Expansion Pressure Tank For Water Heaters.....	71.16	7.03
22 33 30 16-0021	EA 7.6 Gallon, Expansion Pressure Tank For Water Heaters.....	135.51	7.03
22 33 30 16-0022	EA 14 Gallon, Expansion Pressure Tank For Water Heaters.....	180.79	7.03
22 33 30 16-0023	EA 20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	39.46	5.28
22 33 30 16-0024	EA 22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	42.94	5.28
22 33 30 16-0025	EA 24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	45.27	5.28
22 33 30 16-0026	EA 26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	53.39	5.28
22 33 30 16-0027	EA 22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	21.99	5.28
22 33 30 16-0028	EA 24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	23.84	5.28
22 33 30 16-0029	EA 26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	26.46	5.28
22 33 30 16-0030	EA 28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	29.82	5.28

22 33 33 Light-Commercial Electric Domestic Water Heaters (22 33)

22 33 33 00-0001	Removal And Reinstallation Of Water Heater (22 33 33)		
	Note: Includes storage and cleaning.		
22 33 33 00-0002	EA Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon.....	234.50	
22 33 33 00-0003	EA Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon.....	703.48	

22 34 Fuel-Fired Domestic Water Heaters (22 30)

22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34)

22 34 13 00-0001	Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13)		
22 34 13 00-0002	Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)		
	Note: Includes vent connection. Excludes vent.		
22 34 13 00-0003	EA 4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN).....	1,015.73	140.70
22 34 13 00-0004	EA 5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN).....	1,096.19	142.45
22 34 13 00-0005	EA 5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN).....	1,201.14	145.98
22 34 13 00-0006	EA 6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN).....	1,396.89	149.49
22 34 13 00-0007	EA 7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN).....	1,688.74	158.28
22 34 13 00-0008	EA 7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN).....	1,723.71	158.28

22 34 13 00-0009 Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)

22 34 13 00-0010	EA 5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN).....	1,092.67	140.70
22 34 13 00-0011	EA 7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN).....	1,688.74	158.28

22 34 30 Residential Gas Domestic Water Heaters (22 34)

22 Plumbing**22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**22 34 30 13 Residential, Atmospheric, Gas Domestic Water Heaters (22 34 30)**

22 34 30 13-0001 Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 13)		Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.	
22 34 30 13-0002	EA 30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30)	770.34	135.42
22 34 30 13-0003	EA 40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40)	758.51	138.94
22 34 30 13-0004	EA 50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50)	995.33	142.45
22 34 30 13-0005	EA 65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-65)	1,074.58	145.98
22 34 30 13-0006	EA 75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75)	1,170.37	149.49
22 34 30 13-0007	EA 100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100)	1,710.88	158.28

22 34 30 13-0008 Atmospheric, Gas Domestic Water Heaters (22 34 30 13)

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 13-0009	EA 40 Gallon, 40 MBH, Tall, 67% Efficient, Gas Fired Domestic Water Heater (A. O. Smith GCF-40)	1,275.27	138.94
22 34 30 13-0010	EA 50 Gallon, 40 MBH, Tall, 67% Efficient, Energy Star, Gas Fired Domestic Water Heater (A. O. Smith GCF-50)	1,393.13	142.45
22 34 30 13-0011	EA 40 Gallon, 40 MBH, Short, 67% Efficient, Energy Star, Gas Fired Domestic Water Heater (A. O. Smith GCFL-40)	1,242.02	138.94
22 34 30 13-0012	EA 40 Gallon, 40 MBH, 70% Efficient, Gas Fired Domestic Water Heater (A. O. Smith GAHH-40)	1,297.44	138.94
22 34 30 13-0013	EA 50 Gallon, 40 MBH, 70% Efficient, Gas Fired Domestic Water Heater (A. O. Smith GAHH-50)	1,304.47	142.45
22 34 30 13-0014	EA 10 Gallon, 100 MBH, 96% Efficient, Gas Fired Domestic Water Heater (A. O. Smith GDHE-50)	2,567.19	105.52

22 34 30 16 Residential, Direct-Vent, Gas Domestic Water Heaters (22 34 30)

22 34 30 16-0001 Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 16)		Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.	
22 34 30 16-0002	EA 40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40)	1,374.23	138.94
22 34 30 16-0003	EA 50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50)	1,561.49	142.45
22 34 30 16-0004	EA 75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75)	2,018.41	145.98

22 34 30 19 Residential, Power-Vent, Gas Domestic Water Heaters (22 34 30)

22 34 30 19-0001 Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 19)		Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.	
22 34 30 19-0002	EA 40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40)	1,252.51	138.94
22 34 30 19-0003	EA 50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50)	1,303.94	142.45

22 34 36 Commercial Gas Domestic Water Heaters (22 34)

22 34 36 00-0001 Gas Fired Commercial Water Heaters (A.O. Smith BTR) (22 34 36)		Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.	
22 34 36 00-0002	EA 120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	4,401.54	211.05
22 34 36 00-0003	EA 154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	4,692.43	246.22
22 34 36 00-0004	EA 180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	5,812.74	281.39
22 34 36 00-0005	EA 199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	5,016.88	281.39
22 34 36 00-0006	EA 199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	5,780.23	281.39
22 34 36 00-0007	EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A)	7,727.52	309.53
22 34 36 00-0008	EA 250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	5,584.89	316.57
22 34 36 00-0009	EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A)	8,319.40	348.22
22 34 36 00-0010	EA 251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	5,673.09	316.57
22 34 36 00-0011	EA 251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A)	7,930.90	348.22
22 34 36 00-0012	EA 275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	6,275.78	386.92
22 34 36 00-0013	EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A)	8,663.17	425.61
22 34 36 00-0014	EA 305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	7,073.78	386.92
22 34 36 00-0015	EA 305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A)	8,715.67	425.61
22 34 36 00-0016	EA 365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	6,829.17	422.09
22 34 36 00-0017	EA 365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A)	9,622.55	464.30
22 34 36 00-0018	EA 390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	8,708.63	422.09
22 34 36 00-0019	EA 390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A)	11,428.55	464.30
22 34 36 00-0020	EA 500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	11,382.98	457.26
22 34 36 00-0021	EA 150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151)	5,679.39	246.22
22 34 36 00-0022	EA 150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A)	6,820.63	270.84
22 34 36 00-0023	EA 199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201)	5,896.74	281.39
22 34 36 00-0024	EA 199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A)	7,076.52	309.53
22 34 36 00-0025	EA Sidewall Power Vent System For BTR-120 through BTR-200	1,401.69	175.87



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 00-0026 EA Sidewall Power Vent System For BTR-250 through BTR-500.....	1,538.19	175.87
22 34 36 00-0027 Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) <small>(22 34 36)</small>		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 00-0028 EA 90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100).....	3,572.04	211.05
22 34 36 00-0029 EA 120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120).....	5,136.54	211.05
22 34 36 00-0030 EA 154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154).....	6,267.39	246.22
22 34 36 00-0031 EA 180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180).....	6,516.24	281.39
22 34 36 00-0032 EA 199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199).....	6,547.74	281.39
22 34 36 00-0033 EA 199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200).....	6,694.74	281.39
22 34 36 00-0034 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A).....	7,864.02	309.53
22 34 36 00-0035 EA 250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250).....	7,384.59	316.57
22 34 36 00-0036 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A).....	9,096.40	348.22
22 34 36 00-0037 EA 275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275).....	7,724.78	386.92
22 34 36 00-0038 EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A).....	9,482.17	425.61
22 34 36 00-0039 EA 310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310).....	7,892.78	386.92
22 34 36 00-0040 EA 310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A).....	9,587.17	425.61
22 34 36 00-0041 EA 366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366).....	8,855.63	422.09
22 34 36 00-0042 EA 366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A).....	10,420.55	464.30
22 34 36 00-0043 EA 390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400).....	10,756.13	422.09
22 34 36 00-0044 EA 390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A).....	12,415.55	464.30
22 34 36 00-0045 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) <small>(22 34 36)</small>		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 00-0046 EA 76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80).....	2,753.04	211.05
22 34 36 00-0047 EA 100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100).....	3,719.04	211.05
22 34 36 00-0048 EA 120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120).....	4,517.04	211.05
22 34 36 00-0049 EA 120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A).....	6,533.25	232.15
22 34 36 00-0050 EA 150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150).....	6,687.39	246.22
22 34 36 00-0051 EA 150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A).....	8,448.13	270.84
22 34 36 00-0052 EA 199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199).....	6,778.74	281.39
22 34 36 00-0053 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A).....	8,693.52	309.53
22 34 36 00-0054 EA 250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250).....	7,836.09	316.57
22 34 36 00-0055 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A).....	9,547.90	348.22
22 34 36 00-0056 EA 300 MBH Input, 130 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A).....	12,506.17	425.61
22 34 36 00-0057 EA 399.9 MBH Input, 130 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A).....	13,140.05	464.30
22 34 36 00-0058 EA 499.9 MBH Input, 130 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A).....	15,128.43	502.99
22 34 36 00-0059 Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters <small>(22 34 36)</small>		
22 34 36 00-0060 EA 1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+).....	25,055.45	812.65
22 34 36 00-0061 EA 1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+).....	35,558.87	898.19
22 34 36 00-0062 EA 2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+).....	38,607.48	940.96
22 34 36 00-0063 EA 2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+).....	41,811.18	1,026.51
22 34 36 00-0064 Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters <small>(22 34 36)</small>		
22 34 36 00-0065 EA 1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos).....	22,157.51	812.65
22 34 36 00-0066 EA 1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos).....	24,477.98	898.19
22 34 36 00-0067 EA 2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos).....	26,787.42	940.96
22 34 36 00-0068 EA 2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos).....	29,101.23	1,026.51

22 Plumbing**22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 00-0069			Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters <small>(22 34 36)</small>		
22 34 36 00-0070	EA		200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	5,571.58	384.94
22 34 36 00-0071	EA		300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	6,126.73	427.71
22 34 36 00-0072	EA		400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	7,188.30	513.25
22 34 36 00-0073	EA		500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	10,264.08	534.64
22 34 36 00-0074	EA		750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	11,272.97	641.57
22 34 36 00-0075	EA		1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	13,916.97	769.88
22 34 36 00-0076	EA		1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	15,861.83	812.65
22 34 36 00-0077	EA		1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	17,597.74	876.81
22 34 36 00-0078	EA		1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	19,234.50	919.58
22 34 36 00-0079	EA		2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	20,674.59	940.96
22 34 36 00-0080			Patterson Kelly Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters <small>(22 34 36)</small>		
22 34 36 00-0081	EA		700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific).....	18,638.06	641.57
22 34 36 00-0082	EA		1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific).....	20,476.41	769.88
22 34 36 00-0083	EA		1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific).....	27,488.43	876.81
22 34 36 00-0084	EA		1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific).....	28,307.34	919.58
22 34 36 00-0085	EA		2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific).....	29,647.69	940.96
22 34 36 00-0086			Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters <small>(22 34 36)</small>		
22 34 36 00-0087	EA		1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Modufire)	23,673.57	769.88
22 34 36 00-0088	EA		1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Modufire)	28,674.20	876.81
22 34 36 00-0089	EA		2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Modufire)	30,422.32	940.96
22 34 36 00-0090			Laars Mighty Therm Volume Water Heater <small>(22 34 36)</small>		
22 34 36 00-0091	EA		200 MBH Gas Fired Volume Water Heater (Laars MT2V0200)	6,018.83	518.44
22 34 36 00-0092	EA		300 MBH Gas Fired Volume Water Heater (Laars MT2V0300)	6,532.64	583.25
22 34 36 00-0093	EA		400 MBH Gas Fired Volume Water Heater (Laars MT2V0400)	7,568.72	712.85
22 34 36 00-0094	EA		500 MBH Gas Fired Volume Water Heater (Laars MT2V0500)	10,997.82	777.66
22 34 36 00-0095	EA		750 MBH Gas Fired Volume Water Heater (Laars MT2V0750)	12,102.49	907.27
22 34 36 00-0096	EA		1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000)	13,843.63	1,036.87
22 34 36 00-0097	EA		1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250)	15,295.56	1,166.48
22 34 36 00-0098	EA		1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500)	18,274.81	1,296.09
22 34 36 00-0099	EA		1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750)	18,964.89	1,360.89
22 34 36 00-0100	EA		2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000)	20,341.05	1,425.71
22 34 36 00-0101			Laars Mighty Therm Gas Fired Domestic Hot Water Skid Package <small>(22 34 36)</small>		
			Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.		
22 34 36 00-0102	EA		400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400)	47,765.66	876.94
22 34 36 00-0103	EA		1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000)	57,772.65	931.75
22 34 36 00-0104	EA		2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000)	70,218.92	986.55
22 34 36 00-0105	EA		3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000)	83,964.51	1,041.35
22 34 36 00-0106	EA		4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000)	88,007.93	1,096.16
22 34 36 00-0107			Removal And Reinstallation Of Water Heater <small>(22 34 36)</small>		
			Note: Includes storage and cleaning.		
22 34 36 00-0108	EA		Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon	319.76	
22 34 36 00-0109	EA		Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon.....	845.53	
22 34 46			Oil-Fired Domestic Water Heaters <small>(22 34)</small>		
22 34 46 00-0001			Oil-Fired Domestic Water Heaters (Bock) <small>(22 34 46)</small>		
			Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 00-0002	EA		60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E)	1,439.53	135.42
22 34 46 00-0003	EA		104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E)	1,419.00	135.42
22 34 46 00-0004	EA		104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES)	1,484.96	135.42
22 34 46 00-0005	EA		125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E)	1,570.59	138.94
22 34 46 00-0006	EA		140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES)	2,019.36	142.45
22 34 46 00-0007	EA		152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E)	1,693.24	142.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 35 Domestic Water Heat Exchangers (22 30)

22 35 23 Circulating, Domestic Water heat Exchangers (22 35)

22 35 23 00-0001 Steam Driven Water Heaters (22 35 23)

22 35 23 00-0002 Constant Flow (22 35 23 00-0001)

22 35 23 00-0003	EA	30 GPM, 700 LB/Hour Steam Water Heater, Constant Flow	4,122.45	351.74
22 35 23 00-0004	EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Constant Flow	5,149.68	431.02
22 35 23 00-0005	EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Constant Flow	6,597.73	563.70
22 35 23 00-0006	EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Constant Flow	8,925.68	785.16
22 35 23 00-0007	EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Constant Flow	13,157.42	1,293.14
22 35 23 00-0008	EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Constant Flow	14,333.91	1,465.56
22 35 23 00-0009	EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Constant Flow	18,832.19	1,691.03
22 35 23 00-0010	EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Constant Flow	22,662.80	1,998.53

22 35 23 00-0011 Variable Flow (22 35 23 00-0001)

22 35 23 00-0012	EA	30 GPM, 700 LB/Hour Steam Water Heater, Variable Flow	6,195.36	685.90
22 35 23 00-0013	EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Variable Flow	7,015.94	837.50
22 35 23 00-0014	EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Variable Flow	8,948.39	1,082.94
22 35 23 00-0015	EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Variable Flow	11,726.35	1,510.94
22 35 23 00-0016	EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Variable Flow	17,472.95	2,526.92
22 35 23 00-0017	EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Variable Flow	21,292.80	2,782.77
22 35 23 00-0018	EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Variable Flow	24,662.00	3,256.85
22 35 23 00-0019	EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Variable Flow	31,252.66	3,890.97

22 40 Plumbing Fixtures (22)

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

22 41 Residential Plumbing Fixtures (22 40)

22 41 39 Residential Faucets, Supplies, And Trim (22 41)

22 41 39 00-0001 Kitchen Faucets (22 41 39)

22 41 39 00-0002	EA	Chrome Single Handle Kitchen Faucet (Delta 100WF)	118.17	32.38
22 41 39 00-0003	EA	Chrome Single Handle Kitchen Faucet With Spray (Delta 400WF)	136.13	32.38
22 41 39 00-0004	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300WF)	136.13	32.38
22 41 39 00-0005	EA	Chrome Two Handle Kitchen Faucet, Three Hole Installation 8" Center (Delta 2102-LHP+H215)	131.17	32.38
22 41 39 00-0006	EA	Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402-LHP+H215)	140.82	32.38

22 41 39 00-0007 Lavatory Faucets (22 41 39)

22 41 39 00-0008	EA	Chrome Single Acrylic Handle Bath Faucet (Delta 502WF)	107.47	23.31
		<i>For Faucet With Brass Pop-Up, Add</i>	11.00	
22 41 39 00-0009	EA	Chrome Single Lever Handle Bath Faucet (Delta 500WF)	107.47	23.31
		<i>For Faucet With Brass Pop-Up, Add</i>	11.00	
22 41 39 00-0010	EA	Chrome Two Handle Bath Faucet With Acrylic Handles (Delta 2502)	77.93	23.31
		<i>For Faucet With Brass Pop-Up, Add</i>	16.50	
		<i>For Faucet With Plastic Pop-Up, Add</i>	14.00	

22 41 39 00-0011 Bath And Shower Faucets (22 41 39)

22 41 39 00-0012	EA	Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501)	139.75	28.10
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00	
22 41 39 00-0013	EA	Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502)	164.32	28.10
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00	
22 41 39 00-0014	EA	Two-Knob Handle Chrome Shower Only, Ceramic Valving (American Standard 3275.301)	113.92	28.10
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	75.00	
		<i>For Faucet With Lever Handles, Add</i>	8.10	
22 41 39 00-0015	EA	Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard 3275.302)	129.04	28.10
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	75.00	
		<i>For Faucet With Lever Handles, Add</i>	8.10	
22 41 39 00-0016	EA	Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard 3375.302)	142.27	28.10
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	75.00	
		<i>For Faucet With Lever Handles, Add</i>	8.10	
22 41 39 00-0017	EA	Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602)	158.02	17.59
22 41 39 00-0018	EA	Wall Mount, Hand Shower With Hose (Delta 55011)	131.71	17.59
22 41 39 00-0019	EA	Wall Mount, Hand Shower Unit With Hose (Alsons 62001 DS)	161.35	17.59

22 41 39 00-0020 Laundry Faucets (22 41 39)

22 41 39 00-0021	EA	Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123)	92.77	20.68
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22 Plumbing**22 40 Plumbing Fixtures****22 41 Residential Plumbing Fixtures**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 41 39 00-0022		Laundry/Wash Basin Faucets (22 41 39)			
22 41 39 00-0023	EA	Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121).....	93.51		20.68
22 41 39 00-0024	EA	Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121+RP25695).....	133.11		22.80
22 41 39 00-0025		Other Faucets (22 41 39)			
22 41 39 00-0026	EA	Sillcock, Compact, Brass, IPS Or Copper To Hose	20.25		5.28
22 42		Commercial Plumbing Fixtures (22 40)			
Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.					
22 42 13		Commercial Water Closets, Urinals, And Bidets (22 42)			
22 42 13 13		Commercial Water Closets (22 42 13)			
22 42 13 13-0001		Vitreous China Water Closets (22 42 13 13)			
Note: With a 2" ball pass.					
22 42 13 13-0002		Floor Mounted Elongated Vitreous China Water Closets (22 42 13 13-0001)			
Note: Includes wax seal and toilet seat. Excludes flush valve.					
22 42 13 13-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™).....	406.50		67.35
22 42 13 13-0004	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Colorado).....	402.45		67.35
22 42 13 13-0005	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo®).....	484.86		67.35
22 42 13 13-0006	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™).....	627.60		67.35
22 42 13 13-0007	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet™).....	561.41		67.35
22 42 13 13-0008	EA	1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E).....	429.62		67.35
22 42 13 13-0009		Wall Hung Elongated Vitreous China Water Closets (22 42 13 13-0001)			
Note: Includes wax seal and toilet seat. Excludes flush valve.					
22 42 13 13-0010	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Aftwall®).....	469.22		82.90
22 42 13 13-0011	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Aftwall® ADA Retrofit).....	582.25		82.90
22 42 13 13-0012	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™).....	737.15		82.90
22 42 13 13-0013	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV).....	520.42		82.90
22 42 13 13-0014	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL).....	470.47		82.90
22 42 13 13-0015	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2059-A).....	502.83		82.90
22 42 13 13-0016		Floor Mounted Elongated Handicapped Water Closets (22 42 13 13-0001)			
Note: Includes wax seal and toilet seat. Excludes flush valve.					
22 42 13 13-0017	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA).....	412.13		67.35
22 42 13 13-0018	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®).....	422.03		67.35
22 42 13 13-0019	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®).....	465.71		67.35
22 42 13 13-0020	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron).....	519.75		67.35
22 42 13 13-0021	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA).....	517.50		67.35
22 42 13 13-0022	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA).....	689.96		67.35
22 42 13 13-0023	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA).....	581.89		67.35
22 42 13 13-0024	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN).....	456.62		67.35
22 42 13 13-0025	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn HET Z5667-BWL).....	433.89		67.35
22 42 13 13-0026		Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets (22 42 13 13-0001)			
Note: Includes wax seal and toilet seat. Excludes flush valve.					
22 42 13 13-0027	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™).....	433.91		67.35
22 42 13 13-0028	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™).....	417.07		67.35



Plumbing	22	22
Plumbing Fixtures	22 40	
Commercial Plumbing Fixtures	22 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0029 EA 2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	487.33	67.35
22 42 13 13-0030 Stainless Steel Water Closets (22 42 13 13)		
22 42 13 13-0031 EA Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS)	2,458.43	145.72
22 42 13 13-0032 EA Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS)	2,592.73	145.72
22 42 13 13-0033 Water Closet Carriers (22 42 13 13)		
22 42 13 13-0034 Pipe Grip Adaptor Type, Water Closet Carriers (22 42 13 13-0033)		
Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 13-0035 EA Pipe Grip Adaptor Type, Water Closet Carrier	349.20	34.20
22 42 13 13-0036 No-Hub, Water Closet Carriers (22 42 13 13-0033)		
Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0037 EA Vertical Close With Offset, No-Hub, Single Water Closet Carrier	540.75	34.20
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-46.99	
For Positioning Frame, Add	30.44	
For Supply Pipe Support, Add	31.14	
For Vandal Proof Trim, Add	40.00	
For Auxiliary Inlet, Add	132.29	
For Special Duty 500 LB Carrier, Add	223.12	
22 42 13 13-0038 EA Vertical Close On Stack, No-Hub, Single Water Closet Carrier	540.75	34.20
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-46.99	
For Positioning Frame, Add	30.44	
For Supply Pipe Support, Add	31.14	
For Vandal Proof Trim, Add	40.00	
For Auxiliary Inlet, Add	132.29	
For Special Duty 500 LB Carrier, Add	223.12	
22 42 13 13-0039 EA Horizontal Adjustable, No-Hub, Single Water Closet Carrier	590.57	34.20
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-46.99	
For Positioning Frame, Add	30.44	
For Supply Pipe Support, Add	31.14	
For Vandal Proof Trim, Add	40.00	
For Auxiliary Inlet, Add	132.29	
For Horizontal No Hub Cast Long Barrel, Add	135.96	
For Carrier For Wide Chase Installations, Add	179.14	
For Special Duty 1,000 LB Carrier, Add	223.13	
22 42 13 13-0040 EA Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier	654.42	34.20
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-46.99	
For Positioning Frame, Add	30.44	
For Supply Pipe Support, Add	31.14	
For Vandal Proof Trim, Add	40.00	
For 4" Branch, Add	104.38	
For Auxiliary Inlet, Add	132.29	
For Carrier For Wide Chase Installations, Add	179.14	
For Double 4" Branches, Add	209.46	
For Special Duty 1,000 LB Carrier, Add	223.13	
22 42 13 13-0041 EA Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier	900.15	50.19
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-94.01	
For Positioning Frame, Add	65.74	
For Supply Pipe Support, Add	67.15	
For Vandal Proof Trim, Add	80.00	
For Auxiliary Inlet, Add	142.01	
For Special Duty 500 LB Carrier, Add	446.24	
22 42 13 13-0042 EA Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	925.42	50.19
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-94.01	
For Positioning Frame, Add	65.74	
For Supply Pipe Support, Add	67.15	
For Vandal Proof Trim, Add	80.00	
For Auxiliary Inlet, Add	142.01	
For Special Duty 500 LB Carrier, Add	446.24	
22 42 13 13-0043 EA Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	1,126.79	50.19
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-94.01	
For Positioning Frame, Add	65.74	
For Supply Pipe Support, Add	67.15	
For Vandal Proof Trim, Add	80.00	
For 4" Branch, Add	109.24	
For Auxiliary Inlet, Add	142.01	
For Double 4" Branches, Add	219.18	
For Carrier For Wide Chase Installations, Add	387.42	
For Special Duty 1,000 LB Carrier, Add	446.25	
22 42 13 13-0044 EA Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier	1,060.83	50.19
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-94.01	
For Positioning Frame, Add	65.74	
For Supply Pipe Support, Add	67.15	
For Vandal Proof Trim, Add	80.00	
For Horizontal No Hub Cast Long Barrel, Add	140.82	
For Carrier For Wide Chase Installations, Add	387.42	
For Special Duty 1,000 LB Carrier, Add	446.25	

22	Plumbing
22 40	Plumbing Fixtures
22 42	Commercial Plumbing Fixtures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0045			Hub And Spigot, Water Closet Carriers (22 42 13 13-0033) Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0046	EA		Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier.....	540.75	34.20
			For Positioning Frame, Add	30.44	
			For Supply Pipe Support, Add	31.14	
			For Vandal Proof Trim, Add	40.00	
			For Hanger Type Closet Adapter, Add	100.34	
			For Auxiliary Inlet, Add	132.29	
22 42 13 13-0047	EA		Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier.....	540.75	34.20
			For Positioning Frame, Add	30.44	
			For Supply Pipe Support, Add	31.14	
			For Vandal Proof Trim, Add	40.00	
			For Auxiliary Inlet, Add	132.29	
			For Special Duty 500 LB Carrier, Add	223.13	
22 42 13 13-0048	EA		Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier.....	678.27	34.20
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-46.99	
			For Positioning Frame, Add	30.44	
			For Supply Pipe Support, Add	31.14	
			For Vandal Proof Trim, Add	40.00	
			For 4" Branch, Add	104.38	
			For Auxiliary Inlet, Add	132.29	
			For Carrier For Wide Chase Installations, Add	179.14	
			For Double 4" Branches, Add	209.46	
			For Special Duty 1,000 LB Carrier, Add	223.13	
22 42 13 13-0049	EA		Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier.....	900.15	50.19
			For Positioning Frame, Add	65.74	
			For Supply Pipe Support, Add	67.15	
			For Vandal Proof Trim, Add	80.00	
			For Auxiliary Inlet, Add	142.01	
			For Hanger Type Closet Adapter, Add	200.67	
22 42 13 13-0050	EA		Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier.....	1,150.65	50.19
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-94.01	
			For Positioning Frame, Add	65.74	
			For Supply Pipe Support, Add	67.15	
			For Vandal Proof Trim, Add	80.00	
			For 4" Branch, Add	109.24	
			For Auxiliary Inlet, Add	142.01	
			For Double 4" Branches, Add	219.18	
			For Carrier For Wide Chase Installations, Add	387.42	
			For Special Duty 1,000 LB Carrier, Add	446.25	
22 42 13 13-0051			Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers (22 42 13 13-0033) Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.		
22 42 13 13-0052	EA		Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier.....	417.96	34.20
			For Positioning Frame, Add	30.44	
			For Supply Pipe Support, Add	31.14	
			For Vandal Proof Trim, Add	40.00	
			For Hanger Type Closet Adapter, Add	100.34	
22 42 13 13-0053			Institutional Water Closet Carriers (22 42 13 13-0033) Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.		
22 42 13 13-0054	EA		Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier.....	1,476.22	50.19
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-94.01	
			For Positioning Frame, Add	65.74	
			For Supply Pipe Support, Add	67.15	
			For Vandal Proof Trim, Add	80.00	
			For Auxiliary Inlet, Add	142.01	
22 42 13 13-0055			Removal And Reinstallation Of Fixtures And Trim (22 42 13 13) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 13-0056	EA		Removal And Reinstallation Of Wall Hung Water Closet With Tank.....	296.43	
22 42 13 13-0057	EA		Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve.....	296.43	
22 42 13 13-0058	EA		Removal And Reinstallation Of Floor Mount Water Closet With Tank.....	228.06	
22 42 13 13-0059	EA		Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve.....	228.06	
22 42 13 16			Commercial Urinals (22 42 13)		
22 42 13 16-0001			Vitreous China Urinals (22 42 13 16) Note: Excludes flush valve unless indicated otherwise.		
22 42 13 16-0002			Wall Hung Urinals (22 42 13 16-0001)		
22 42 13 16-0003	EA		Washout, Wall Hung, Vitreous China Urinal (American Standard Maybrook™).....	364.75	69.30
22 42 13 16-0004	EA		Washout, Wall Hung, Vitreous China Urinal (American Standard Decorum™).....	379.16	69.30
22 42 13 16-0005	EA		Washout, Wall Hung, Vitreous China Urinal With Top Spud (American Standard Washbrook®).....	447.60	69.30
22 42 13 16-0006	EA		Blowout, Wall Hung, Vitreous China Urinal (American Standard Lynbrook™).....	490.38	69.30
22 42 13 16-0007	EA		Siphon Jet, Wall Hung, Vitreous China Urinal (American Standard Trimbrook™).....	446.25	69.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 16-0008 EA Siphon Jet, Wall Hung, Vitreous China Urinal (American Standard Allbrook™)	376.29	69.30
22 42 13 16-0009 EA Washout, Wall Hung, Vitreous China Urinal (Toto® UT447E Or UT447EV).....	458.43	69.30
22 42 13 16-0010 EA Washout, Wall Hung, Vitreous China Urinal (Toto® UT104E Or UT104EV).....	391.46	69.30
22 42 13 16-0011 EA Washout, Wall Hung, Vitreous China Urinal (Zurn Z5798)	424.00	69.30
22 42 13 16-0012 EA 0.125 To 0.5 GPF, HEU, Washout, Wall Hung, Vitreous China Urinal (Sloan SU-1009-A)	386.68	69.30
22 42 13 16-0013 EA 1.0 GPF, HEU, Washout, Wall Hung, Vitreous China Urinal (Sloan SU-1006-A)	385.26	69.30
22 42 13 16-0014 Floor Mounted Urinals (22 42 13 16-0001)		
22 42 13 16-0015 EA Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™)	617.23	87.43
22 42 13 16-0016 Waterfree Urinals (22 42 13 16-0001)		
22 42 13 16-0017 EA Waterfree, Wall Hung, Vitreous China Urinal (American Standard Small FloWise® Flush-Free)	347.43	48.58
<i>For Colored Fixtures, Add</i>	66.90	
<i>For >1, Deduct</i>	-21.15	
22 42 13 16-0018 EA Waterfree, Wall Hung, Vitreous China Urinal (American Standard Medium FloWise® Flush-Free)	389.76	48.58
<i>For Colored Fixtures, Add</i>	66.90	
<i>For >1, Deduct</i>	-25.97	
22 42 13 16-0019 EA Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free).....	410.92	48.58
<i>For Colored Fixtures, Add</i>	66.90	
<i>For >1, Deduct</i>	-28.39	
22 42 13 16-0020 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-1000)	599.92	48.58
<i>For Colored Fixtures, Add</i>	66.90	
<i>For >1, Deduct</i>	-49.93	
22 42 13 16-0021 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000)	551.78	48.58
<i>For Colored Fixtures, Add</i>	66.90	
<i>For >1, Deduct</i>	-44.45	
22 42 13 16-0022 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000)	429.96	48.58
<i>For Colored Fixtures, Add</i>	66.90	
<i>For >1, Deduct</i>	-30.56	
22 42 13 16-0023 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000)	429.96	48.58
<i>For Colored Fixtures, Add</i>	66.90	
<i>For >1, Deduct</i>	-30.56	
22 42 13 16-0024 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000)	525.67	48.58
<i>For Colored Fixtures, Add</i>	66.90	
<i>For >1, Deduct</i>	-41.47	
22 42 13 16-0025 EA Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000).....	781.51	48.58
<i>For >1, Deduct</i>	-70.63	
22 42 13 16-0026 Stainless Steel Urinals (22 42 13 16)		
22 42 13 16-0027 EA Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1).....	2,533.97	145.72
22 42 13 16-0028 EA 5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C).....	3,288.47	178.11
22 42 13 16-0029 Urinal Carriers (22 42 13 16)		
22 42 13 16-0030 Floor Mounted, Urinal Carriers (22 42 13 16-0029)		
<i>Note: Includes adjustable supporting rods, structural uprights and welded feet.</i>		
22 42 13 16-0031 EA Floor Mounted Hanger Plate Type, Single Urinal Carrier.....	304.57	24.62
<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	14.73	
22 42 13 16-0032 EA Floor Mounted Bearing Plate Type, Single Urinal Carrier	331.23	24.62
<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	14.73	
22 42 13 16-0033 Wall Mounted, Urinal Carriers (22 42 13 16-0029)		
<i>Note: Includes wall plate and adjustable supporting rods.</i>		
22 42 13 16-0034 EA Wall Mounted Hanger Plate Type, Single Urinal Carrier.....	138.28	24.62
<i>For Up To 6-1/2" Extension Sleeves And Hardware, Add</i>	14.73	
22 42 13 16-0035 Removal And Reinstallation Of Fixtures And Trim (22 42 13 16)		
<i>Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.</i>		
22 42 13 16-0036 EA Removal And Reinstallation Of Wall Hung Urinal With Flush Valve	295.04	
22 42 16 Commercial Lavatories And Sinks (22 42)		
22 42 16 13 Commercial Lavatories (22 42 16)		
22 42 16 13-0001 Lavatories (22 42 16 13)		
<i>Note: Includes trap, drain and supply valves. Excludes faucets.</i>		
22 42 16 13-0002 Wall Hung Lavatories (22 42 16 13-0001)		
22 42 16 13-0003 EA 19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	357.38	43.39
22 42 16 13-0004 EA 20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	372.69	43.39
22 42 16 13-0005 EA 22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™)	469.35	43.39
22 42 16 13-0006 EA 18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™)	329.46	43.39
22 42 16 13-0007 EA 19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™)	286.68	43.39
22 42 16 13-0008 EA 20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™)	336.66	43.39
22 42 16 13-0009 EA 20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®)	357.12	43.39
22 42 16 13-0010 EA 27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users).....	417.26	43.39



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0011			Countertop Lavatories (22 42 16 13-0001)		
22 42 16 13-0012	EA		20" x 18" Vitreous China Countertop Lavatory (Kohler® Pennington®)	327.31	52.46
22 42 16 13-0013	EA		21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval)	332.80	52.46
22 42 16 13-0014	EA		19" Diameter Enameled Steel Countertop Lavatory (American Standard Colony Round™)	311.63	52.46
22 42 16 13-0015	EA		19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™).....	348.12	52.46
22 42 16 13-0016	EA		19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™).....	364.39	52.46
22 42 16 13-0017	EA		24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®).....	458.23	56.67
22 42 16 13-0018			Undercounter Lavatories (22 42 16 13-0001)		
22 42 16 13-0019	EA		15" x 12" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	333.07	52.46
22 42 16 13-0020	EA		17" x 14" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	312.81	52.46
22 42 16 13-0021	EA		19" x 16" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	312.81	52.46
22 42 16 13-0022	EA		21" x 17" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	337.40	52.46
22 42 16 13-0023	EA		15" x 12" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®)	323.62	52.46
22 42 16 13-0024	EA		17" x 14" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®)	319.88	52.46
22 42 16 13-0025	EA		19" x 15" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®).....	323.69	52.46
22 42 16 13-0026	EA		21" x 17" Oval Vitreous China Undercounter Lavatory (Crane Tiara™).....	312.24	52.46
22 42 16 13-0027	EA		18" x 12" Rectangular Vitreous China Undercounter Lavatory (Kohler® Ladena®)	407.58	52.46
22 42 16 13-0028	EA		21" x 14" Rectangular Vitreous China Undercounter Lavatory (Kohler® Ladena®)	407.58	52.46
22 42 16 13-0029			Pedestal Lavatories (22 42 16 13-0001)		
22 42 16 13-0030	EA		19" x 21" x 34" High Vitreous China Pedestal Sink (American Standard Colony™)	360.60	124.67
22 42 16 13-0031			Pre-Molded Culture Marble Lavatory Vanity (22 42 16 13-0001)		
			Note: Includes splash. Single sink, center or offset. Bowl is either oval, shell shape or rectangular.		
22 42 16 13-0032	EA		17" x 20" Pre-Molded Culture Marble Vanity Top With Lavatory.....	164.60	40.48
			<i>For Colored Fixtures, Add</i>	24.26	
22 42 16 13-0033	EA		18" x 24" Pre-Molded Culture Marble Vanity Top With Lavatory.....	196.29	48.58
			<i>For Colored Fixtures, Add</i>	28.76	
22 42 16 13-0034	EA		18" x 30" Pre-Molded Culture Marble Vanity Top With Lavatory.....	212.86	51.81
			<i>For Colored Fixtures, Add</i>	31.69	
22 42 16 13-0035	EA		18" x 36" Pre-Molded Culture Marble Vanity Top With Lavatory.....	227.10	55.05
			<i>For Colored Fixtures, Add</i>	33.94	
22 42 16 13-0036	EA		19" x 25" Pre-Molded Culture Marble Vanity Top With Lavatory.....	200.17	48.58
			<i>For Colored Fixtures, Add</i>	29.88	
22 42 16 13-0037	EA		19" x 31" Pre-Molded Culture Marble Vanity Top With Lavatory.....	215.17	51.81
			<i>For Colored Fixtures, Add</i>	32.36	
22 42 16 13-0038	EA		19" x 37" Pre-Molded Culture Marble Vanity Top With Lavatory.....	228.64	55.05
			<i>For Colored Fixtures, Add</i>	34.39	
22 42 16 13-0039	EA		19" x 43" Pre-Molded Culture Marble Vanity Top With Lavatory.....	251.29	56.67
			<i>For Colored Fixtures, Add</i>	40.01	
22 42 16 13-0040	EA		19" x 49" Pre-Molded Culture Marble Vanity Top With Lavatory.....	270.07	58.29
			<i>For Colored Fixtures, Add</i>	44.52	
22 42 16 13-0041	EA		22" x 25" Pre-Molded Culture Marble Vanity Top With Lavatory.....	215.70	48.58
			<i>For Colored Fixtures, Add</i>	34.39	
22 42 16 13-0042	EA		22" x 31" Pre-Molded Culture Marble Vanity Top With Lavatory.....	241.57	51.81
			<i>For Colored Fixtures, Add</i>	40.01	
22 42 16 13-0043	EA		22" x 37" Pre-Molded Culture Marble Vanity Top With Lavatory.....	255.81	55.05
			<i>For Colored Fixtures, Add</i>	42.26	
22 42 16 13-0044	EA		22" x 43" Pre-Molded Culture Marble Vanity Top With Lavatory.....	271.48	56.67
			<i>For Colored Fixtures, Add</i>	45.87	
22 42 16 13-0045	EA		22" x 49" Pre-Molded Culture Marble Vanity Top With Lavatory.....	285.60	58.29
			<i>For Colored Fixtures, Add</i>	49.02	
22 42 16 13-0046	EA		22" x 55" Pre-Molded Culture Marble Vanity Top With Lavatory.....	304.50	61.52
			<i>For Colored Fixtures, Add</i>	52.62	
22 42 16 13-0047			Solid Surface Multi-Station Lavatory Systems (22 42 16 13-0001)		
			Note: ADA compliant. Includes integral faucets.		
22 42 16 13-0048	EA		2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2)	3,441.21	90.48
			<i>For Integral Liquid Soap Dispenser, Add</i>	171.00	
			<i>For Integral Photovoltaic Power Panels, Add</i>	563.00	
22 42 16 13-0049	EA		3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3)	5,041.65	90.48
			<i>For Integral Liquid Soap Dispenser, Add</i>	171.00	
			<i>For Integral Photovoltaic Power Panels, Add</i>	657.00	
22 42 16 13-0050	EA		12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12)	235.89	30.16
22 42 16 13-0051	EA		18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18)	291.40	30.16
22 42 16 13-0052	EA		36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36)	574.12	30.16
22 42 16 13-0053			Stainless Steel Lavatories (22 42 16 13-0001)		
22 42 16 13-0054	EA		18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1).....	1,274.09	113.34
22 42 16 13-0055			Lavatory Carriers (22 42 16 13)		



Plumbing	22	22
Plumbing Fixtures	22 40	
Commercial Plumbing Fixtures	22 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0056 Floor Mounted, Lavatory Carriers <small>(22 42 16 13-0055)</small>		
22 42 16 13-0057 Floor Mounted Plate Type, Lavatory Carriers <small>(22 42 16 13-0056)</small> Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 16 13-0058 EA Floor Mounted Hanger Plate Type, Single Lavatory Carrier 304.57	304.57	24.62
For Up To 4" Extension Sleeves And Hardware, Add	14.73	
For Valve Plate For Attaching To Upright, Add	52.41	
For Corner Carrier, Add	102.03	
22 42 16 13-0059 EA Floor Mounted Bearing Plate Type, Single Lavatory Carrier 331.23	331.23	24.62
For Up To 4" Extension Sleeves And Hardware, Add	14.73	
For Valve Plate For Attaching To Upright, Add	52.41	
22 42 16 13-0060 EA Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier 378.24	378.24	24.62
For Up To 4" Extension Sleeves And Hardware, Add	29.47	
For Valve Plate For Attaching To Upright, Add	104.83	
22 42 16 13-0061 EA Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier 432.27	432.27	24.62
For Up To 4" Extension Sleeves And Hardware, Add	29.47	
For Valve Plate For Attaching To Upright, Add	104.83	
22 42 16 13-0062 Floor Mounted, Lavatory Carriers With Arms <small>(22 42 16 13-0056)</small> Note: Includes leveling and securing screws, structural uprights and welded feet.		
22 42 16 13-0063 EA Floor Mounted, Single Lavatory Carrier With Concealed Arms 391.18	391.18	29.14
For Up To 6-1/2" Extension Sleeves And Hardware, Add	14.73	
For Concealed Arm Carrier For Wheelchair Lavatory, Add	20.35	
For Valve Plate For Attaching To Upright, Add	53.71	
For 2" Chrome Plated Escutcheons, Add	49.82	
For 4" Or 6" Chrome Plated Escutcheons, Add	90.51	
22 42 16 13-0064 EA Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms 520.29	520.29	29.14
For Up To 4-1/2" Extension Sleeves And Hardware, Add	14.73	
For Vandal Proof Trim, Add	40.00	
For Valve Plate For Attaching To Upright, Add	53.71	
For Heavy Duty Carrier, Add	51.22	
22 42 16 13-0065 EA Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms 519.58	519.58	29.14
For Up To 6-1/2" Extension Sleeves And Hardware, Add	29.47	
For Concealed Arm Carrier For Wheelchair Lavatory, Add	40.70	
For Valve Plate For Attaching To Upright, Add	107.41	
For 2" Chrome Plated Escutcheons, Add	99.63	
For 4" Or 6" Chrome Plated Escutcheons, Add	181.02	
22 42 16 13-0066 EA Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms 766.57	766.57	29.14
For Up To 4-1/2" Extension Sleeves And Hardware, Add	29.47	
For Vandal Proof Trim, Add	80.00	
For Valve Plate For Attaching To Upright, Add	107.41	
For Heavy Duty Carrier, Add	102.44	
22 42 16 13-0067 Wall Mounted, Lavatory Carriers <small>(22 42 16 13-0055)</small>		
22 42 16 13-0068 Wall Mounted Plate Type, Lavatory Carriers <small>(22 42 16 13-0067)</small> Note: Includes wall plate and adjustable supporting rods.		
22 42 16 13-0069 EA Wall Mounted Hanger Plate Type, Single Lavatory Carrier 138.28	138.28	24.62
For Double Plate Carrier, Add	40.74	
22 42 16 13-0070 Wall Mounted Plate Type, Lavatory Carriers With Arms <small>(22 42 16 13-0067)</small> Note: Includes wall plate and leveling and securing screws.		
22 42 16 13-0071 EA Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms 227.70	227.70	29.14
For Up To 4" Extension Sleeves And Hardware, Add	14.73	
For 2" Chrome Plated Escutcheons, Add	49.82	
22 42 16 13-0072 EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms 266.99	266.99	29.14
For Movable Mounting Brackets, Deduct	-37.89	
For Up To 4" Extension Sleeves And Hardware, Add	14.73	
For 2" Chrome Plated Escutcheons, Add	49.82	
For 4" Or 6" Chrome Plated Escutcheons, Add	90.51	
22 42 16 13-0073 EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms 388.38	388.38	29.14
For Up To 4-1/2" Extension Sleeves And Hardware, Add	14.73	
For Vandal Proof Trim, Add	40.00	
22 42 16 13-0074 Removal And Reinstallation Of Lavatory And Trim <small>(22 42 16 13)</small> Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 13-0075 EA Removal And Reinstallation Of Wall Hung Lavatory With Faucet 190.48	190.48	
22 42 16 16 Commercial Sinks <small>(22 42 16)</small>		
22 42 16 16-0001 Sinks <small>(22 42 16 16)</small> Note: Includes drain, trap and supply valves. Excludes faucets.		
22 42 16 16-0002 Kitchen Sinks <small>(22 42 16 16-0001)</small>		
22 42 16 16-0003 EA 25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®) 454.96	454.96	60.88
22 42 16 16-0004 EA 22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®) 602.05	602.05	69.30
22 42 16 16-0005 EA 15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517) 641.09	641.09	59.59
For 18 Gauge, Add	199.11	
22 42 16 16-0006 EA 17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722) 659.83	659.83	59.59
For 18 Gauge, Add	208.48	

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0007	EA		22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222).....	702.01	59.59
			<i>For 18 Gauge, Add</i>	229.57	
22 42 16 16-0008	EA		25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522).....	737.89	60.88
			<i>For 18 Gauge, Add</i>	243.63	
22 42 16 16-0009	EA		31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122).....	946.96	69.30
			<i>For 18 Gauge, Add</i>	335.80	
22 42 16 16-0010	EA		33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321).....	969.50	69.30
			<i>For 18 Gauge, Add</i>	346.96	
22 42 16 16-0011	EA		15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710).....	944.93	59.59
22 42 16 16-0012	EA		17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210).....	966.02	59.59
22 42 16 16-0013	EA		22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210).....	1,019.14	59.59
22 42 16 16-0014	EA		25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210).....	1,088.60	60.88
22 42 16 16-0015	EA		31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210).....	1,328.92	69.30
22 42 16 16-0016			Undermount Kitchen Sinks <small>(22 42 16 16-0001)</small>		
22 42 16 16-0017	EA		21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99).....	832.39	59.59
22 42 16 16-0018	EA		21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99).....	830.11	59.59
22 42 16 16-0019	EA		21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99).....	840.20	59.59
22 42 16 16-0020	EA		21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99).....	893.32	59.59
22 42 16 16-0021			Multi-Station Wash Sink, Wall Mounted <small>(22 42 16 16-0001)</small>		
			Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 16-0022	EA		36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	1,239.37	105.24
			Note: Excludes faucets.		
22 42 16 16-0023	EA		48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	1,648.16	113.34
			Note: Excludes faucets.		
22 42 16 16-0024	EA		60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	1,891.52	121.43
			Note: Excludes faucets.		
22 42 16 16-0025	EA		72" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,065.28	129.53
			Note: Excludes faucets.		
22 42 16 16-0026	EA		48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	1,791.61	80.96
			Note: Excludes faucets.		
22 42 16 16-0027	EA		62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	1,991.17	89.05
			Note: Excludes faucets.		
22 42 16 16-0028	EA		80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,186.53	97.15
			Note: Excludes faucets.		
22 42 16 16-0029	EA		102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,425.37	109.29
			Note: Excludes faucets.		
22 42 16 16-0030	EA		27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain.....	2,367.27	178.11
			Note: Includes sensor operated spray heads.		
22 42 16 16-0031			Laundry Sinks <small>(22 42 16 16-0001)</small>		
22 42 16 16-0032	EA		23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1).....	420.71	69.30
22 42 16 16-0033	EA		40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II).....	485.11	69.30
22 42 16 16-0034	EA		22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1).....	419.47	69.30
22 42 16 16-0035	EA		24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210).....	647.05	69.30
22 42 16 16-0036	EA		48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220).....	920.95	77.72
22 42 16 16-0037			Refinish Sink/Lavatory <small>(22 42 16 16-0001)</small>		
22 42 16 16-0038	EA		Refinish Sink/Lavatory.....	158.96	
22 42 16 16-0039			Service Sinks <small>(22 42 16 16-0001)</small>		
22 42 16 16-0040	EA		22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™).....	669.39	104.27
22 42 16 16-0041	EA		24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™).....	704.51	104.27
22 42 16 16-0042	EA		28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™).....	875.49	137.95
22 42 16 16-0043	EA		12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F).....	363.25	97.15
22 42 16 16-0044	EA		24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424).....	419.32	97.15
22 42 16 16-0045	EA		36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624).....	461.34	116.57
22 42 16 16-0046	EA		24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010).....	455.32	97.15
22 42 16 16-0047	EA		36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010).....	512.25	116.57
22 42 16 16-0048	EA		24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24).....	524.87	97.15
22 42 16 16-0049	EA		36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624).....	647.00	116.57
22 42 16 16-0050			Stainless Steel Sink And Drainboard <small>(22 42 16 16-0001)</small>		
22 42 16 16-0051	EA		24" x 24" Stainless Steel Sink With One Compartment And Drainboard , 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L).....	2,550.02	161.91



Plumbing	22	22
Plumbing Fixtures	22 40	
Commercial Plumbing Fixtures	22 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0052 Sink Carriers (22 42 16 16)		
22 42 16 16-0053 Floor Mounted, Sink Carriers (22 42 16 16-0052) Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
22 42 16 16-0054 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling.....	441.39	24.62
For Vandal Proof Trim, Add	40.00	
For Valve Plate For Attaching To Upright, Add	52.41	
22 42 16 16-0055 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting.....	682.05	24.62
For Vandal Proof Trim, Add	40.00	
For Auxiliary Vent, Add	119.08	
22 42 16 16-0056 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms.....	853.26	24.62
For Up To 4" Extension Sleeves And Hardware, Add	30.17	
For Vandal Proof Trim, Add	40.00	
22 42 16 16-0057 Removal And Reinstallation Of Sink And Trim (22 42 16 16) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 16-0058 EA Removal And Reinstallation Of Wall Hung Service Sink With Faucet.....	261.15	
22 42 19 Commercial Bathtubs (22 42)		
22 42 19 00-0001 Recessed Alcove Bathtubs (22 42 19)		
22 42 19 00-0002 Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0003 EA 54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™).....	964.77	180.04
22 42 19 00-0004 EA 60" x 30" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Villager®).....	520.93	180.04
22 42 19 00-0005 EA 60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®).....	826.46	180.04
22 42 19 00-0006 EA 60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®).....	968.24	180.04
22 42 19 00-0007 EA 66" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®).....	1,246.40	180.04
22 42 19 00-0008 EA 66-1/4" x 32" x 16", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (American Standard Spectra™).....	1,067.66	180.04
22 42 19 00-0009 Porcelain Enameled Steel, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0010 EA 60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®).....	426.89	180.04
22 42 19 00-0011 EA 60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®).....	436.80	180.04
22 42 19 00-0012 Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0013 EA 60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™).....	631.77	180.04
22 42 19 00-0014 Acrylic, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0015 EA 60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®).....	650.51	180.04
22 42 19 00-0016 EA 60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	770.25	180.04
22 42 19 00-0017 EA 66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	785.71	180.04
22 42 19 00-0018 EA 72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	776.21	180.04
22 42 19 00-0019 EA 72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®).....	810.40	180.04
22 42 19 00-0020 Bathtub Refinishing (22 42 19 00-0001)		
22 42 19 00-0021 EA Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel.....	361.65	
22 42 19 00-0022 Tub And Shower Combinations (22 42 19)		
22 42 19 00-0023 Acrylic Tub And Shower Combination (22 42 19 00-0022)		
22 42 19 00-0024 EA 1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta 226032).....	681.84	65.14
For 2 Piece Enclosure, Deduct	-149.44	
22 42 19 00-0025 Fiberglass Tub And Shower Combination (22 42 19 00-0022)		
22 42 19 00-0026 EA 1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG).....	533.87	65.14
22 42 19 00-0027 EA 2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P).....	424.96	43.43
22 42 19 00-0028 EA 4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P).....	846.93	98.33
22 42 19 00-0029 EA 3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872).....	1,769.38	195.36
For 2 Piece Enclosure, Deduct	-368.68	
22 42 23 Commercial Showers (22 42)		
22 42 23 00-0001 Shower Enclosures (22 42 23)		
Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.		
22 42 23 00-0002 Stainless Steel Shower Enclosure (22 42 23 00-0001)		
22 42 23 00-0003 EA 36" x 36" x 82" Stainless Steel Interior And Exterior Shower Enclosure, Single Access Front Opening (Crane Plumbing, Fiat S86 Commander).....	2,774.85	104.46

22	Plumbing
22 40	Plumbing Fixtures
22 42	Commercial Plumbing Fixtures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0004 EA 36" x 38" x 82" Stainless Steel Interior And Exterior Shower Enclosure, Double Access Walk Through (Crane Plumbing, Fiat S91 Commander).....	2,774.85	104.46
22 42 23 00-0005 EA 37" x 37" x 82" Stainless Steel Interior And Exterior Shower Enclosure, Double Access Corner Opening (Crane Plumbing, Fiat S92 Commander).....	2,774.85	104.46
22 42 23 00-0006 EA 38" x 38" x 82" Stainless Steel Interior And Exterior Shower Enclosure, Single Access Front Opening Corner (Crane Plumbing, Fiat S101 Commander).....	2,774.85	104.46
22 42 23 00-0007 Powder Coated Or Baked Enamel Steel Shower Enclosure (22 42 23 00-0001)		
22 42 23 00-0008 EA 39" x 39" x 82" Baked Enamel Wonder Wall Steel Shower Enclosure (Crane Plumbing, Fiat S115 Commander).....	3,280.16	104.46
22 42 23 00-0009 EA 39" x 48" x 82" Baked Enamel Wonder Wall Steel Shower Enclosure (Crane Plumbing, Fiat S125 Commander).....	4,297.66	104.46
22 42 23 00-0010 EA 32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	808.91	104.46
22 42 23 00-0011 EA 36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	808.91	104.46
22 42 23 00-0012 EA 40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	1,192.91	104.46
22 42 23 00-0013 EA 40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions).....	1,306.91	104.46
22 42 23 00-0014 Solid Plastic Core High Density Polymer (HDP) Shower Enclosure (22 42 23 00-0001)		
22 42 23 00-0015 EA 32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	1,294.91	104.46
22 42 23 00-0016 EA 36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	1,294.91	104.46
22 42 23 00-0017 EA 40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	1,834.91	104.46
22 42 23 00-0018 EA 40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions).....	2,044.91	104.46
22 42 23 00-0019 1 Piece Shower Units (22 42 23)		
22 42 23 00-0020 EA 1 Piece, 32" x 32" x 73" Fiberglass Shower With Drain (Swanstone FS03232).....	612.56	65.14
22 42 23 00-0021 EA 1 Piece, 36" x 36" x 73" Fiberglass Shower With Drain (Swanstone FS03636).....	680.41	65.14
22 42 23 00-0022 Personnel Type Shower Receptors (22 42 23)		
22 42 23 00-0023 Acrylic Shower Receptors (22 42 23 00-0022)		
22 42 23 00-0024 EA 36" x 36" Acrylic Shower Receptor.....	328.92	26.39
22 42 23 00-0025 EA 42" x 42" Acrylic Shower Receptor.....	349.01	26.39
22 42 23 00-0026 EA 48" x 48" Acrylic Shower Receptor.....	389.14	26.39
22 42 23 00-0027 EA 60" x 60" Acrylic Shower Receptor.....	473.63	31.66
22 42 23 00-0028 EA 48" x 32" Acrylic Shower Receptor.....	329.86	26.39
22 42 23 00-0029 EA 48" x 36" Acrylic Shower Receptor.....	356.29	26.39
22 42 23 00-0030 EA 48" x 42" Acrylic Shower Receptor.....	405.46	26.39
22 42 23 00-0031 EA 60" x 32" Acrylic Shower Receptor.....	448.62	31.66
22 42 23 00-0032 EA 60" x 36" Acrylic Shower Receptor.....	452.02	31.66
22 42 23 00-0033 EA 60" x 42" Acrylic Shower Receptor.....	455.14	31.66
22 42 23 00-0034 EA 60" x 48" Acrylic Shower Receptor.....	504.00	31.66
22 42 23 00-0035 EA 36" x 36" Acrylic Corner Shower Receptor.....	490.01	26.39
22 42 23 00-0036 EA 42" x 42" Acrylic Corner Shower Receptor.....	565.86	26.39
22 42 23 00-0037 Molded Stone Shower Receptors (22 42 23 00-0022)		
22 42 23 00-0038 EA 32" x 32" Molded Stone Shower Receptor (Fiat 32WL).....	212.05	26.39
22 42 23 00-0039 EA 34" x 34" Molded Stone Shower Receptor (Fiat 34WL).....	223.39	26.39
22 42 23 00-0040 EA 36" x 36" Molded Stone Shower Receptor (Fiat 36WL).....	224.65	26.39
22 42 23 00-0041 EA 42" x 42" Molded Stone Shower Receptor (Fiat 4242WL).....	280.72	26.39
22 42 23 00-0042 EA 42" x 34" Molded Stone Shower Receptor (Fiat 42WL).....	246.70	26.39
22 42 23 00-0043 EA 48" x 32" Molded Stone Shower Receptor (Fiat 4832WL).....	262.45	26.39
22 42 23 00-0044 EA 48" x 34" Molded Stone Shower Receptor (Fiat 48WL).....	264.34	26.39
22 42 23 00-0045 EA 54" x 34" Molded Stone Shower Receptor (Fiat 54WL).....	305.23	31.66
22 42 23 00-0046 EA 60" x 34" Molded Stone Shower Receptor (Fiat 60WL).....	317.20	31.66
22 42 23 00-0047 EA 36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC).....	249.85	26.39
22 42 23 00-0048 EA 38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC).....	256.78	26.39
22 42 23 00-0049 Precast Terrazzo Shower Receptors (22 42 23 00-0022)		
22 42 23 00-0050 EA 30" x 30" Precast Terrazzo Shower Receptor.....	417.43	26.39
22 42 23 00-0051 EA 32" x 32" Precast Terrazzo Shower Receptor.....	434.44	26.39
22 42 23 00-0052 EA 34" x 34" Precast Terrazzo Shower Receptor.....	450.19	26.39
22 42 23 00-0053 EA 36" x 36" Precast Terrazzo Shower Receptor.....	452.08	26.39
22 42 23 00-0054 EA 40" x 40" Precast Terrazzo Shower Receptor.....	496.81	26.39
22 42 23 00-0055 EA 42" x 42" Precast Terrazzo Shower Receptor.....	519.49	26.39
22 42 23 00-0056 EA 48" x 48" Precast Terrazzo Shower Receptor.....	738.73	26.39
22 42 23 00-0057 EA 36" x 32" Precast Terrazzo Shower Receptor.....	446.41	26.39
22 42 23 00-0058 EA 42" x 32" Precast Terrazzo Shower Receptor.....	455.44	26.39
22 42 23 00-0059 EA 42" x 34" Precast Terrazzo Shower Receptor.....	471.61	26.39
22 42 23 00-0060 EA 42" x 36" Precast Terrazzo Shower Receptor.....	491.77	26.39
22 42 23 00-0061 EA 32" x 48" Precast Terrazzo Shower Receptor.....	493.66	26.39
22 42 23 00-0062 EA 48" x 34" Precast Terrazzo Shower Receptor.....	519.49	26.39
22 42 23 00-0063 EA 48" x 36" Precast Terrazzo Shower Receptor.....	538.39	26.39
22 42 23 00-0064 EA 54" x 32" Precast Terrazzo Shower Receptor.....	545.32	26.39
22 42 23 00-0065 EA 60" x 30" Precast Terrazzo Shower Receptor.....	740.33	31.66
22 42 23 00-0066 EA 60" x 32" Precast Terrazzo Shower Receptor.....	811.81	31.66
22 42 23 00-0067 EA 60" x 34" Precast Terrazzo Shower Receptor.....	815.32	31.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0068 EA 60" x 36" Precast Terrazzo Shower Receptor.....	818.81	31.66
22 42 23 00-0069 EA 32" x 32" Precast Terrazzo Corner Shower Receptor.....	454.60	26.39
22 42 23 00-0070 EA 34" x 34" Precast Terrazzo Corner Shower Receptor.....	455.44	26.39
22 42 23 00-0071 EA 36" x 36" Precast Terrazzo Corner Shower Receptor.....	457.12	26.39
22 42 23 00-0072 EA 40" x 40" Precast Terrazzo Corner Shower Receptor.....	552.25	26.39
22 42 23 00-0073 EA 36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,021.60	26.39
22 42 23 00-0074 EA 60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,135.57	31.66
22 42 23 00-0075 EA 60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,184.71	31.66
22 42 23 00-0076 Shower Receptors Accessories (22 42 23 00-0022)		
22 42 23 00-0077 SF Polyvinyl Chloride (PVC) Shower Pan Liner	2.55	
22 42 23 00-0078 Removal And Reinstallation Of Fixtures And Trim (22 42 23)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 23 00-0079 EA Removal And Reinstallation Of Shower Head	31.66	
22 42 33 Wash Fountains (22 42)		
22 42 33 00-0001 Circular Wash Fountain, Deep Bowl (22 42 33)		
Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0002 EA 36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD).....	6,021.91	105.56
<i>For Metal Soap Dispenser, Add</i>		
	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>		
	100.00	
22 42 33 00-0003 EA 36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD).....	3,237.57	105.56
<i>For Metal Soap Dispenser, Add</i>		
	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>		
	100.00	
22 42 33 00-0004 EA 36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE).....	5,630.23	105.56
<i>For Metal Soap Dispenser, Add</i>		
	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>		
	100.00	
22 42 33 00-0005 EA 54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD).....	7,682.79	120.64
<i>For Metal Soap Dispenser, Add</i>		
	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>		
	100.00	
22 42 33 00-0006 EA 54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD).....	3,735.85	120.64
<i>For Metal Soap Dispenser, Add</i>		
	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>		
	100.00	
22 42 33 00-0007 EA 54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE).....	6,747.43	120.64
<i>For Metal Soap Dispenser, Add</i>		
	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>		
	100.00	
22 42 33 00-0008 Semi-Circular Wash Fountain, Deep Bowl (22 42 33)		
Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0009 EA 36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD).....	5,255.01	90.48
<i>For Metal Soap Dispenser, Add</i>		
	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>		
	100.00	
22 42 33 00-0010 EA 36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD).....	2,957.21	90.48
<i>For Metal Soap Dispenser, Add</i>		
	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>		
	100.00	
22 42 33 00-0011 EA 36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE).....	4,266.69	90.48
<i>For Metal Soap Dispenser, Add</i>		
	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>		
	100.00	
22 42 33 00-0012 EA 54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD).....	6,451.16	105.56
<i>For Metal Soap Dispenser, Add</i>		
	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>		
	100.00	
22 42 33 00-0013 EA 54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD).....	3,569.12	105.56
<i>For Metal Soap Dispenser, Add</i>		
	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>		
	100.00	
22 42 33 00-0014 EA 54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE).....	5,076.01	105.56
<i>For Metal Soap Dispenser, Add</i>		
	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>		
	100.00	
22 42 39 Commercial Faucets, Supplies, And Trim (22 42)		
22 42 39 00-0001 Kitchen Faucets (22 42 39)		
22 42 39 00-0002 EA Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST).....	127.34	32.38
22 42 39 00-0003 EA Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST)	143.80	32.38
22 42 39 00-0004 EA Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST)	152.90	32.38
22 42 39 00-0005 EA Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440-SS-DST).....	174.77	32.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0006 EA Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24).....	118.64	32.38
22 42 39 00-0007 EA Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24).....	130.24	32.38
22 42 39 00-0008 EA Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF).....	169.33	32.38
22 42 39 00-0009 EA Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF).....	120.27	32.38
22 42 39 00-0010 EA Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF).....	115.88	32.38
22 42 39 00-0011 EA Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF).....	137.35	32.38
22 42 39 00-0012 EA Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24).....	236.77	32.38
22 42 39 00-0013 EA Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24).....	259.82	32.38
22 42 39 00-0014 EA Wall Mount Kitchen Faucet, Two Handle, 11" Long Swing Spout (Delta 28T6943).....	218.32	32.38
22 42 39 00-0015 EA Wall Mount Kitchen Faucet, 8" Center, With 14" Double Joint Spout (Delta 28T4433).....	192.93	32.38
22 42 39 00-0016 EA Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP).....	244.67	35.17
22 42 39 00-0017 EA Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP).....	243.54	35.17
22 42 39 00-0018 EA Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP).....	181.52	35.17
22 42 39 00-0019 EA Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR).....	420.73	32.38
22 42 39 00-0020 EA Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK).....	532.59	32.38
22 42 39 00-0021 EA Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB).....	569.87	32.38
22 42 39 00-0022 EA Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR).....	420.73	32.38
22 42 39 00-0023 EA Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK).....	532.59	32.38
22 42 39 00-0024 EA Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB).....	569.87	32.38
22 42 39 00-0025 Lavatory Faucets (22 42 39)		
22 42 39 00-0026 EA Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST).....	155.09	23.31
22 42 39 00-0027 EA 4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501-WF).....	107.47	23.31
22 42 39 00-0028 EA 4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2521-LHP+H25).....	133.52	23.31
22 42 39 00-0029 EA 4" Centerset Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 2530-LHP+H24).....	146.51	23.31
22 42 39 00-0030 EA Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3543-LHP+H24).....	180.06	23.31
22 42 39 00-0031 EA Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3530-LHP+H24).....	209.86	23.31
22 42 39 00-0032 EA Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104).....	127.92	23.31
22 42 39 00-0033 EA Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002).....	194.99	23.31
22 42 39 00-0034 EA Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665).....	140.38	23.31
22 42 39 00-0035 EA Easy-Push Metering Faucet Wash-Up Fitting (Speakman S-4123).....	122.54	23.31
22 42 39 00-0036 EA Easy-Push Metering 4" Centerset Faucet (Speakman S-4141-LD).....	198.14	23.31
22 42 39 00-0037 EA 3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710).....	143.65	23.31
22 42 39 00-0038 EA 3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712).....	173.57	23.31
22 42 39 00-0039 EA 4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805).....	170.03	23.31
22 42 39 00-0040 EA 4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104).....	138.81	23.31
22 42 39 00-0041 Bath And Shower Faucets (22 42 39)		
22 42 39 00-0042 Bath And Shower Faucets With Valve Body (22 42 39 00-0041)		
22 42 39 00-0043 EA Single Lever Handle Chrome Tub Filler, Pressure-Balance (American Standard T480 500).....	143.53	28.10
22 42 39 00-0044 EA Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501).....	168.10	28.10
22 42 39 00-0045 EA Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502).....	183.85	28.10
22 42 39 00-0046 EA Two Lever Handle, Chrome Tub Filler (American Standard 3275.505).....	132.82	28.10
For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0047 EA Two Lever Handle, Chrome Shower Only (American Standard 3275.501).....	139.12	28.10
For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0048 EA Two Lever Handle, Chrome Shower And Tub Filler (American Standard 3275.502).....	157.39	28.10
For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0049 EA Three Lever Handle, Chrome Shower And Tub Filler (American Standard 3375.502).....	178.18	28.10
For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0050 Shower Valves And Trim (22 42 39)		
See CSI section 22 41 39 00-0011 for residential shower valves and heads.		
22 42 39 00-0051 EA Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319).....	232.59	43.71
22 42 39 00-0052 EA Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP).....	520.94	43.71
22 42 39 00-0053 EA Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP).....	362.09	43.71
22 42 39 00-0054 EA Senior Institutional Shower Head (Symmons® 4-150).....	139.59	28.10
22 42 39 00-0055 EA Universal Institutional Shower Head (Symmons® 4-151).....	233.40	28.10
22 42 39 00-0056 EA Fre-Flo Institutional Shower Head (Symmons® 4-295).....	164.29	28.10
22 42 39 00-0057 EA Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385).....	123.84	28.10
22 42 39 00-0058 EA Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X).....	412.07	42.10
22 42 39 00-0059 EA Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X).....	428.72	48.58
22 42 39 00-0060 EA Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X).....	535.25	48.58
22 42 39 00-0061 EA Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X).....	551.08	51.81



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0062	EA Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S).....	722.30	43.71
	<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
	<i>For Recessed Soap Dish, Add</i>	108.12	
	<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
	<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0063	EA Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807).....	859.01	43.71
	<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
	<i>For Recessed Soap Dish, Add</i>	108.12	
	<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
	<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0064	EA Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S).....	584.48	43.71
	<i>For Hand Spray, Hose And Wall Hooks, Add</i>	19.32	
	<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	78.39	
	<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0065	EA Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS).....	883.04	43.71
	<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0066	EA Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS).....	947.39	43.71
	<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
	<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0067	EA Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931).....	1,748.97	43.71
	<i>For Recessed Soap Dish, Add</i>	83.94	
	<i>For Pressure Balance And Metering Combination, Add</i>	227.79	
22 42 39 00-0068	EA Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921).....	1,527.62	43.71
	<i>For Recessed Soap Dish, Add</i>	83.94	
	<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0069	EA Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231).....	766.14	43.71
22 42 39 00-0070	EA Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS).....	1,176.78	43.71
	<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
	<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0071	EA Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60).....	765.10	43.71
22 42 39 00-0072	EA Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS).....	762.84	43.71
	<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
22 42 39 00-0073	EA Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4).....	563.06	38.85
22 42 39 00-0074	EA Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500).....	435.25	28.10
22 42 39 00-0075	Service Sink Faucets <small>(22 42 39)</small>		
22 42 39 00-0076	EA 2-1/4" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet, Lever Handles (Kohler® Knoxford®).....	256.29	53.92
22 42 39 00-0077	EA 4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet, Lever Handles (Kohler® Kinlock™).....	309.27	53.92
22 42 39 00-0078	EA 3" Spout, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8340.235).....	221.45	53.92
22 42 39 00-0079	EA 3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8340.243).....	238.46	53.92
22 42 39 00-0080	EA 6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012).....	247.28	53.92
22 42 39 00-0081	EA 6" Spout With Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8345.101).....	323.13	75.58
22 42 39 00-0082	EA 6" Spout With Vacuum Break And Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8345.110).....	362.00	86.14
22 42 39 00-0083	EA 12" Spout With Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8345.115).....	417.44	86.14
22 42 39 00-0084	EA 44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-LCP).....	458.00	86.14
22 42 39 00-0085	Laboratory Faucets And Fittings <small>(22 42 39)</small>		
22 42 39 00-0086	EA Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927).....	125.55	22.93
22 42 39 00-0087	EA Hot And Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 929).....	205.40	32.38
22 42 39 00-0088	EA Hot And Cold Faucet With Vacuum Breaker, Single Deck Mount Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 930).....	266.02	32.38
22 42 39 00-0089	EA Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933).....	163.79	30.24
22 42 39 00-0090	EA Hot And Cold Wall Mount, 6" Spout With Aerator, Laboratory Faucet (Chicago Faucet 940).....	222.61	43.13
22 42 39 00-0091	EA Hot And Cold Wall Mount, 6" Spout With Aerator And Vacuum Breaker, Laboratory Faucet (Chicago Faucet 940-VBE7-CP).....	301.65	43.13
22 42 39 00-0092	EA Hot And Cold Faucet, Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 946).....	241.28	32.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0093 EA Hot And Cold Wall Mount, Gooseneck Spout With Aerator Laboratory Faucet (Chicago Faucet 942)	236.97	43.13
22 42 39 00-0094 EA Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP)	155.15	24.90
22 42 39 00-0095 EA Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP)	218.60	35.17
22 42 39 00-0096 EA Deck Mount Lavatory Faucet, 4" Center Set, Lever Handles (Chicago Faucet 802)	168.50	35.17
22 42 39 00-0097 EA Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 895-317CP)	205.68	35.17
22 42 39 00-0098 EA Gas Ball Valve, Removable Nozzle, Less Index Button (Chicago Faucet 909-LESS216-28CP)	51.49	21.63
22 42 39 00-0099 EA Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP)	53.80	21.63
22 42 39 00-0100 EA Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP)	334.02	38.85
22 42 39 00-0101 EA Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP)	429.52	38.85
22 42 39 00-0102 EA Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP)	516.52	38.85
22 42 39 00-0103 EA Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332- E22E7CP)	456.78	38.85
22 42 39 00-0104 EA Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM)	543.89	38.85
22 42 39 00-0105 EA Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA)	84.94	21.37
22 42 39 00-0106 EA 90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA)	118.22	25.64
22 42 39 00-0107 EA 180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA)	118.22	25.64
22 42 39 00-0108 EA Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA)	151.52	29.92
22 42 39 00-0109 EA Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA)	184.80	34.20
22 42 39 00-0110 Gooseneck Faucets With Independent Eyewash (22 42 39)		
22 42 39 00-0111 EA Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA)	547.54	24.28
22 42 39 00-0112 EA Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL)	594.07	22.67
22 42 39 00-0113 EA 8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800- CA-8)	767.57	24.28
22 42 39 00-0114 EA Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST)	810.88	24.28
22 42 39 00-0115 EA Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW)	986.83	16.20
22 42 39 00-0116 EA Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP)	1,186.61	40.48
22 42 39 00-0117 EA Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TV)	1,659.11	40.48
22 42 39 00-0118 EA 8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW)	1,714.24	40.48
22 42 39 00-0119 EA Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101)	152.69	24.62
22 42 39 00-0120 EA Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200)	166.94	24.62
22 42 39 00-0121 EA Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201)	179.40	24.62
22 42 39 00-0122 EA 6 Gallon Capacity, Tempering Valve (WaterSaver AP3600)	750.13	16.20
22 42 39 00-0123 Bubblers And Glass Fillers (22 42 39)		
22 42 39 00-0124 EA Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP)	221.31	22.93
22 42 39 00-0125 EA Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP)	197.33	30.24
22 42 39 00-0126 EA 7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP)	218.30	22.93
22 42 39 00-0127 EA Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP)	135.06	32.86
22 42 39 00-0128 EA Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF)	259.04	24.90
22 42 39 00-0129 EA Self Closing Lever Handle Drinking Bubbler, 1/2" IPS (Haws 5057LF)	283.30	24.90
22 42 39 00-0130 EA Push Button Bubbler, 1/2" OD (Haws 5017LF)	262.50	24.90
22 42 39 00-0131 EA Push Button Bubbler, 3/8" NPT (Haws 5010-6427)	218.72	24.90
22 42 39 00-0132 Electronic Infrared Sensor Faucets (22 42 39)		
22 42 39 00-0133 EA Electronic Lavatory Faucet (American Standard 6055.205.002)	404.78	54.01
For Faucet With Temperature Control, Add	40.00	
22 42 39 00-0134 EA Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002)	408.56	54.01
For Faucet With Temperature Control, Add	40.00	
22 42 39 00-0135 EA Electronic Gooseneck Faucets (Chicago Faucet 116.103.AB.1)	547.60	58.67
22 42 39 00-0136 EA Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1)	570.62	54.01
22 42 39 00-0137 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880)	846.93	58.67
22 42 39 00-0138 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT)	1,059.94	58.67
22 42 39 00-0139 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187)	990.09	58.67
22 42 39 00-0140 EA Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM)	691.36	54.01
22 42 39 00-0141 EA Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60)	827.51	54.01
22 42 39 00-0142 Other Trim (22 42 39)		
22 42 39 00-0143 EA Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330)	11.71	3.52
22 42 39 00-0144 EA 1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP)	68.42	10.55
22 42 39 00-0145 EA Basket Strainer Assembly (American Standard 055781-0070A)	29.31	8.79
22 42 39 00-0146 EA 1-1/4" Grid Strainer Tailpiece (Chicago Faucet 327-XCP)	31.61	8.79
22 42 39 00-0147 EA 1-1/2" Grid Strainer Tailpiece (Chicago Faucet 327-X1-1/2TPCP)	70.57	8.79
22 42 39 00-0148 EA 1-1/4" Chrome Plated Cast P-Trap With Or Without Cleanout	83.34	18.39
22 42 39 00-0149 EA 1-1/2" Chrome Plated Cast P-Trap With Or Without Cleanout	84.92	19.43
22 42 39 00-0150 EA 1-1/2" Cast Brass P-Trap With Cleanout	140.96	19.43
22 42 39 00-0151 EA Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Lav Guard 102)	40.61	9.71
22 42 39 00-0152 EA Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus)	42.50	9.71
22 42 39 00-0153 EA Lavatory Protective Enclosure (IPS Truebro Lav Shield)	106.94	9.71
22 42 39 00-0154 EA 36" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard)	131.28	9.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0155 EA 42" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard).....	148.96	9.71
22 42 39 00-0156 Removal And Reinstallation Of Fixtures And Trim (22 42 39) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 39 00-0157 EA Removal And Reinstallation Of Faucet.....	56.28	
22 42 43 Flushometers (22 42)		
22 42 43 00-0001 Water Closet Flush Valves (22 42 43)		
22 42 43 00-0002 EA Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL).....	169.95	22.08
22 42 43 00-0003 EA Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6).....	164.82	22.08
22 42 43 00-0004 EA Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111).....	190.86	22.08
22 42 43 00-0005 EA Concealed Manual Water Closet Flush Valve, Back Spud (Sloan Royal-140).....	263.21	22.08
22 42 43 00-0006 EA Concealed Manual Water Closet Flush Valve, Top Spud (Sloan Royal-142).....	292.57	22.08
22 42 43 00-0007 EA Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S).....	533.61	22.08
22 42 43 00-0008 EA Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S).....	534.84	22.08
22 42 43 00-0009 EA Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S).....	564.45	22.08
22 42 43 00-0010 EA Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113).....	524.69	22.08
22 42 43 00-0011 EA Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115).....	233.26	12.95
Note: "Green", 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.		
22 42 43 00-0012 EA Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110).....	466.78	22.08
22 42 43 00-0013 EA Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89AM).....	259.77	22.08
22 42 43 00-0014 EA Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X).....	228.02	22.08
22 42 43 00-0015 EA Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A).....	229.49	19.43
22 42 43 00-0016 EA Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X).....	249.44	19.43
22 42 43 00-0017 EA Exposed Infrared Water Closet Flush Valve 1.28 GPF (Toto EcoPower TET1LN).....	541.26	22.08
22 42 43 00-0018 EA Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32).....	592.87	22.08
22 42 43 00-0019 EA Concealed Infrared Water Closet Flush Valve, Back Spud 1.28 GPF (Toto EcoPower TET2LN31 Or TET3LN31).....	754.19	22.08
22 42 43 00-0020 EA Concealed Infrared Water Closet Flush Valve, Top Spud 1.28 GPF (Toto EcoPower TET2LN32 Or TET3LN32).....	754.19	22.08
22 42 43 00-0021 EA Exposed Manual Water Closet Flush Valve (Zurn Z6000AV).....	160.44	22.08
22 42 43 00-0022 EA Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS).....	490.10	22.08
22 42 43 00-0023 EA Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV).....	485.72	22.08
22 42 43 00-0024 EA Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A).....	240.74	19.43
22 42 43 00-0025 EA 6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451).....	74.79	3.52
22 42 43 00-0026 EA Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28).....	358.75	22.08
22 42 43 00-0027 EA Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET).....	182.74	22.08
22 42 43 00-0028 EA Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET).....	499.72	22.08
22 42 43 00-0029 Urinal Flush Valves (22 42 43)		
22 42 43 00-0030 EA Exposed Manual Urinal Flush Valve, 3/4" Top Spud (Sloan Regal 186 XL).....	158.45	22.08
Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0031 EA Exposed Manual Urinal Flush Valve, 1-1/4" Top Spud (Sloan Regal 180).....	170.94	22.08
Note: 1.0, 1.5 or 3.5 GPF.		
22 42 43 00-0032 EA Concealed Manual Urinal Flush Valve, Back Spud (Sloan Royal 195).....	230.59	22.08
Note: 1.0 or 1.5 GPF.		
22 42 43 00-0033 EA Concealed Manual Urinal Flush Valve, Top Spud (Sloan Royal 197).....	279.73	22.08
Note: 1.0 or 1.5 GPF.		
22 42 43 00-0034 EA Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S).....	441.71	22.08
Note: 1.0 or 1.5 GPF.		
22 42 43 00-0035 EA Concealed Infrared Urinal Flush Valve, Back Spud (Sloan Royal 195-WB-ES-S).....	594.62	22.08
Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0036 EA Concealed Infrared Urinal Flush Valve, Top Spud (Sloan Royal 197-WB-ES-S).....	667.45	22.08
Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0037 EA Exposed Battery Powered Urinal Flush Valve, Top Spud (Sloan G2 Opt+8186-1).....	434.40	22.08
Note: 1.0 GPF.		
22 42 43 00-0038 EA Exposed Infrared Urinal Flush Valve (Toto EcoPower TEU1LN).....	541.26	22.08
Note: 0.5 GPF.		
22 42 43 00-0039 EA Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12).....	589.55	22.08
Note: 0.5 GPF.		
22 42 43 00-0040 EA Concealed Infrared Urinal Flush Valve, 0.5 GPF (Toto EcoPower TEU2LN21 Or TEU3LN21).....	929.31	22.08
Note: 0.5 GPF.		
22 42 43 00-0041 EA Exposed Manual Urinal Flush Valve, 3/4" Top Spud (Zurn Z6003AV).....	190.07	22.08
Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0042 EA Exposed Solar/Battery Powered Urinal Flush Valve, Top Spud (Sloan Solis 8186-0.13).....	326.37	22.08
Note: 0.13 GPF.		
22 42 43 00-0043 EA Exposed Manual Urinal Flush Valve, 3/4" Top Spud (Zurn Z6003AV-ULF).....	181.89	22.08
Note: 0.125 GPF.		
22 42 43 00-0044 EA Exposed Battery Powered Urinal Flush Valve, Top Spud (Zurn ZTR6203-ULF).....	468.73	22.08
Note: 0.125 GPF.		
22 42 43 00-0045 EA Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS).....	471.65	22.08
Note: 0.125 GPF.		
22 42 43 00-0046 Removal And Reinstallation Of Fixtures And Trim (22 42 43) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 43 00-0047 EA Removal And Reinstallation Of Flush Valve.....	87.94	

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 43 00-0048 Plumbing Control Transformers (22 42 43)		
22 42 43 00-0049 EA 6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6).....	34.23	
22 42 46 Chemical Toilets (22 42)		
Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.		
22 42 46 00-0001 Standard Chemical Toilets (22 42 46)		
22 42 46 00-0002 Small Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0003 EA Chemical Toilet, Small Tank 7,000 Uses/Year.....	2,738.69	647.64
For Extra Urinal, Add	92.53	
22 42 46 00-0004 Medium Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0005 EA Chemical Toilet, Medium Tank 13,000 Uses/Year.....	3,251.88	771.35
For Extra Urinal, Add	109.31	
22 42 46 00-0006 Large Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0007 EA Chemical Toilet, Large Tank 28,000 Uses/Year.....	4,030.22	874.97
For Extra Urinal, Add	158.23	
22 43 Healthcare Plumbing Fixtures (22 40)		
22 43 13 Healthcare Water Closets (22 43)		
22 43 13 00-0001 Healthcare Water Closets (22 43 13)		
22 43 13 00-0002 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA).....	526.95	67.35
22 43 13 00-0003 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA).....	421.58	67.35
22 43 16 Healthcare Sinks (22 43)		
22 43 16 00-0001 Healthcare Sinks (22 43 16)		
Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.		
22 43 16 00-0002 EA 25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard).....	794.16	43.39
For Stainless Steel Rim Guards (Three Sides), Add	71.60	
22 43 16 00-0003 EA 29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard).....	850.97	124.67
For Stainless Steel Rim Guards (Three Sides), Add	71.60	
For Pedestal Base, Add	328.26	
22 43 16 00-0004 EA 28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard).....	762.64	43.39
For Painted Bracket Supports, Add	114.53	
22 43 16 00-0005 EA 20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard).....	668.08	43.39
22 43 39 Healthcare Faucets (22 43)		
22 43 39 00-0001 Medical Faucet Spouts (22 43 39)		
22 43 39 00-0002 EA Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522).....	65.08	9.71
22 43 39 00-0003 Electronic Proximity Medical Faucets (22 43 39)		
22 43 39 00-0004 EA DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU).....	374.02	47.54
For Hard Wired AC Powered, Add	16.30	
22 43 39 00-0005 Foot And Knee Faucet Controls (22 43 39)		
22 43 39 00-0006 EA Single Supply Metering Pedal Valve (Chicago Faucet 628).....	253.41	86.39
22 43 39 00-0007 EA Double Supply Metering Pedal Valve (Chicago Faucet 625).....	296.88	86.39
22 43 39 00-0008 EA Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP).....	631.94	86.39
22 43 39 00-0009 EA Double Knee Actuated Metering Mixing Valve (American Standard 7676).....	431.85	86.39
22 43 39 00-0010 Centerset Medical Faucets (22 43 39)		
22 43 39 00-0011 EA Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04).....	344.90	47.54
22 43 39 00-0012 EA Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04).....	348.84	47.54
22 43 39 00-0013 EA Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04).....	348.44	47.54
22 43 39 00-0014 EA Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04).....	311.04	47.54
22 43 39 00-0015 EA Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04).....	297.65	47.54



	Plumbing	22
	Plumbing Fixtures	22 40
	Healthcare Plumbing Fixtures	22 43

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 39 00-0016 Bedpan Washers <small>(22 43 39)</small>		
22 43 39 00-0017 EA Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675).....	819.19	86.39
22 43 39 00-0018 EA Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676).....	777.97	86.39
22 43 39 00-0019 EA Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685).....	765.76	86.39
22 43 39 00-0020 EA Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686).....	753.88	86.39
22 43 43 Healthcare Plumbing Fixture Flushometers <small>(22 43)</small>		
22 43 43 00-0001 Healthcare Plumbing Fixture Flushometers <small>(22 43 43)</small>		
22 43 43 00-0002 EA Exposed Manual Service Sink Flush Valve (Sloan Royal-117).....	148.09	22.08
22 43 43 00-0003 EA Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW).....	332.02	22.08
22 43 46 Patient Care Fixtures <small>(22 43)</small>		
22 43 46 00-0001 Modular Patient Care Units <small>(22 43 46)</small>		
22 43 46 00-0002 EA 47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV).....	9,983.27	129.53
<i>For SDB Single Temperature Dialysis Box, Add</i>	725.14	
<i>For DDB Dual Temperature Dialysis Box, Add</i>	770.18	
<i>For BWSEV Bedpan Washer With Elevated Valve, Add</i>	574.57	
<i>For LOCK Flush Valve Lockout Device, Add</i>	408.74	
22 43 46 00-0003 EA 31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB).....	7,871.44	113.34
<i>For SDB Single Temperature Dialysis Box, Add</i>	725.14	
<i>For DDB Dual Temperature Dialysis Box, Add</i>	770.18	
<i>For BWSEV Bedpan Washer With Elevated Valve, Add</i>	574.57	
<i>For LOCK Flush Valve Lockout Device, Add</i>	408.74	
22 43 46 00-0004 Patient Care Plumbing Accessories <small>(22 43 46)</small>		
22 43 46 00-0005 EA One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920).....	949.95	17.59
22 43 46 00-0006 EA Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919).....	1,046.12	17.59
22 45 Emergency Plumbing Fixtures <small>(22 45)</small>		
22 45 13 Emergency Showers <small>(22 45)</small>		
22 45 13 00-0001 Emergency Drench Showers <small>(22 45 13)</small>		
22 45 13 00-0002 Emergency Drench Showers (Haws) <small>(22 45 13 00-0001)</small>		
Note: Includes one pull rod.		
22 45 13 00-0003 EA Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122).....	455.05	113.34
22 45 13 00-0004 EA Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123).....	525.92	113.34
22 45 13 00-0005 EA Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC).....	565.29	113.34
22 45 13 00-0006 EA Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130).....	683.42	113.34
22 45 13 00-0007 EA Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H).....	927.55	113.34
22 45 13 00-0008 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100).....	723.68	129.53
22 45 13 00-0009 EA Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP).....	791.50	145.72
22 45 13 00-0010 EA Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169).....	716.69	145.72
22 45 13 00-0011 EA Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163).....	732.44	145.72
22 45 13 00-0012 EA Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164).....	1,027.75	145.72
22 45 13 00-0013 Emergency Drench Showers (Speakman) <small>(22 45 13 00-0001)</small>		
Note: Includes one pull rod.		
22 45 13 00-0014 EA Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220).....	378.50	113.34
22 45 13 00-0015 EA Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227).....	389.84	113.34
22 45 13 00-0016 EA Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253).....	612.49	129.53
22 45 13 00-0017 Emergency Drench Showers (Guardian) <small>(22 45 13 00-0001)</small>		
Note: Includes one pull rod.		
22 45 13 00-0018 EA All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994).....	2,823.35	113.34
22 45 13 00-0019 Emergency Drench Showers (WaterSaver) <small>(22 45 13 00-0001)</small>		
Note: Includes one pull rod.		
22 45 13 00-0020 EA Emergency Shower, Vertically Mounted (WaterSaver ES635).....	434.57	113.34

22	Plumbing
22 40	Plumbing Fixtures
22 45	Emergency Plumbing Fixtures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 13 00-0021 EA Emergency Shower, Horizontally Mounted (WaterSaver ES643)	443.66	113.34
22 45 13 00-0022 EA All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691)	888.89	113.34
22 45 13 00-0023 EA Emergency Shower, Recess Mounted (WaterSaver ES629)	673.70	145.72
22 45 13 00-0024 EA Emergency Shower, Semi-Concealed (WaterSaver ES658)	879.41	145.72
22 45 16 Eyewash Equipment (22 45)		
22 45 16 00-0001 Emergency Eyewash Equipment (22 45 16)		
22 45 16 00-0002 Emergency Eyewash Equipment (Haws) (22 45 16 00-0001)		
22 45 16 00-0003 EA Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620)	211.22	3.24
22 45 16 00-0004 EA Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP)	964.75	145.72
22 45 16 00-0005 Emergency Eyewash Equipment (WaterSaver) (22 45 16 00-0001)		
22 45 16 00-0006 EA Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805)	392.36	32.38
22 45 16 00-0007 EA Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH)	392.36	32.38
22 45 16 00-0008 EA Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806)	399.25	32.38
22 45 16 00-0009 EA Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH)	399.25	32.38
22 45 16 00-0010 EA Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822)	525.71	32.38
22 45 16 00-0011 EA Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848)	596.95	32.38
22 45 16 00-0012 EA Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849)	596.95	32.38
22 45 16 00-0013 EA Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893)	1,093.83	32.38
22 45 16 00-0014 EA Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH)	1,093.83	32.38
22 45 16 00-0015 EA Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895)	1,143.96	32.38
22 45 16 00-0016 EA Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH)	1,143.96	32.38
22 45 16 00-0017 EA Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898)	1,407.75	32.38
22 45 16 00-0018 EA Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899)	1,407.75	32.38
22 45 16 00-0019 EA Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808)	746.47	113.34
22 45 16 00-0020 EA Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810)	736.75	113.34
22 45 16 00-0021 EA Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814)	545.10	113.34
22 45 16 00-0022 EA Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC)	747.21	113.34
22 45 16 00-0023 EA Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P)	472.95	113.34
22 45 23 Personal Eyewash Equipment (22 45)		
22 45 23 00-0001 Portable Eyewash Equipment (22 45 23)		
22 45 23 00-0002 Portable Eyewash Equipment (Bradley) (22 45 23 00-0001)		
22 45 23 00-0003 EA Portable (Wall Mounted) Heated Gravity-Fed Emergency Eye/Face Wash (Bradley S19-921H)	1,269.61	9.71
22 45 26 Eye/Face Wash Equipment (22 45)		
22 45 26 00-0001 Emergency Eye/Face Wash Equipment (22 45 26)		
22 45 26 00-0002 Emergency Eye/Face Wash Equipment (Haws) (22 45 26 00-0001)		
22 45 26 00-0003 EA Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460)	504.47	80.96
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0004 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324)	498.36	113.34
22 45 26 00-0005 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B)	486.55	113.34
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0006 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT)	533.01	113.34
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0007 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B)	537.73	113.34
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0008 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT)	593.65	113.34
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0009 EA Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC)	817.29	113.34
22 45 26 00-0010 EA Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B)	1,565.42	113.34
22 45 26 00-0011 EA Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271)	613.44	129.53
22 45 26 00-0012 EA Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461)	704.00	129.53
22 45 26 00-0013 EA Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777)	1,617.50	129.53
22 45 26 00-0014 EA Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611)	430.95	32.38
22 45 26 00-0015 EA Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612)	415.20	32.38
22 45 26 00-0016 EA Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH)	434.88	32.38



	Plumbing	22
	Plumbing Fixtures	22 40
	Emergency Plumbing Fixtures	22 45

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 26 00-0017 EA Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610).....	549.07	32.38
22 45 26 00-0018 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC).....	1,316.07	161.91
22 45 26 00-0019 EA Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM).....	1,609.62	129.53
22 45 26 00-0020 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC).....	1,646.82	161.91
22 45 26 00-0021 EA Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM).....	1,948.25	129.53
22 45 26 00-0022 Emergency Eye/Face Wash Equipment (Speakman) (22 45 26 00-0001)		
22 45 26 00-0023 EA Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495).....	425.75	113.34
22 45 26 00-0024 EA Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496).....	521.77	129.53
22 45 26 00-0025 Emergency Eye/Face Wash Equipment (WaterSaver) (22 45 26 00-0001)		
22 45 26 00-0026 EA Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724).....	671.93	113.34
22 45 26 00-0027 EA Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC).....	874.04	113.34
22 45 26 00-0028 EA Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727).....	848.34	113.34
22 45 26 00-0029 EA Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765).....	787.03	113.34
22 45 26 00-0030 EA Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774).....	412.42	32.38
22 45 26 00-0031 EA Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH).....	412.42	32.38
22 45 26 00-0032 EA Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775).....	400.46	32.38
22 45 26 00-0033 EA Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH).....	400.46	32.38
22 45 26 00-0034 EA Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778).....	605.94	32.38
22 45 26 00-0035 EA Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779).....	605.94	32.38
22 45 29 Hand-Held Emergency Drench Hoses (22 45)		
22 45 29 00-0001 Hand-Held Emergency Eye/Face/Body Wash With Hose (22 45 29)		
22 45 29 00-0002 Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) (22 45 29 00-0001)		
22 45 29 00-0003 EA Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904).....	458.96	40.48
22 45 29 00-0004 EA Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905).....	529.84	40.48
22 45 29 00-0005 Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver) (22 45 29 00-0001)		
22 45 29 00-0006 EA Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020).....	321.99	40.48
22 45 29 00-0007 EA Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025).....	297.98	40.48
22 45 29 00-0008 EA Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014).....	439.21	40.48
22 45 29 00-0009 EA Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022).....	412.50	40.48
22 45 29 00-0010 EA Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026).....	422.06	40.48
22 45 29 00-0011 EA Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028).....	548.00	40.48
22 45 29 00-0012 EA Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB).....	631.76	40.48
22 45 29 00-0013 EA Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041).....	603.36	40.48
22 45 33 Combination Emergency Fixture Units (22 45)		
22 45 33 00-0001 Emergency Shower With Eye/Face Wash (22 45 33)		
22 45 33 00-0002 Emergency Shower With Eye/Face Wash (Haws) (22 45 33 00-0001)		
22 45 33 00-0003 EA Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330).....	2,724.41	210.49
22 45 33 00-0004 EA Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP).....	1,826.66	210.49
22 45 33 00-0005 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309).....	1,255.72	210.49
22 45 33 00-0006 EA Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158).....	2,031.41	210.49
22 45 33 00-0007 EA Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP).....	1,476.22	210.49
22 45 33 00-0008 EA Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC).....	1,385.66	210.49
22 45 33 00-0009 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317).....	1,176.97	210.49
22 45 33 00-0010 EA Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336).....	1,960.53	210.49
22 45 33 00-0011 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC).....	2,153.47	210.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 33 00-0012 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW)	2,196.78	210.49
22 45 33 00-0013 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC).....	2,460.59	210.49
22 45 33 00-0014 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD).....	2,614.16	210.49
22 45 33 00-0015 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW).....	2,570.85	210.49
22 45 33 00-0016 EA Floor Mounted, 120 VAC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP)	3,870.22	210.49
22 45 33 00-0017 EA Floor Mounted, 220 VAC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V).....	4,082.85	210.49
22 45 33 00-0018 EA Floor Mounted, C1D1 Rated, 120 VAC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1).....	8,689.72	210.49
22 45 33 00-0019 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325).....	1,176.97	210.49
22 45 33 00-0020 EA Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP)	1,338.41	210.49
22 45 33 00-0021 Emergency Shower With Eye/Face Wash (Speakman) (22 45 33 00-0001)		
22 45 33 00-0022 EA Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690)	1,001.83	210.49
22 45 33 00-0023 Emergency Shower With Eye/Face Wash (WaterSaver) (22 45 33 00-0001)		
22 45 33 00-0024 EA All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994).....	2,854.65	175.87
22 45 33 00-0025 EA Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC).....	2,915.56	175.87
22 45 33 00-0026 EA Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902)	1,198.97	175.87
22 45 33 00-0027 EA Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P)	1,104.21	175.87
22 45 33 00-0028 EA Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC).....	1,401.08	175.87
22 45 36 Emergency Fixture Water-Tempering Equipment (22 45)		
22 45 36 00-0001 Emergency Fixture Water-Tempering Equipment (22 45 36)		
22 45 36 00-0002 Emergency Fixture Water-Tempering Equipment (Haws) (22 45 36 00-0001)		
22 45 36 00-0003 EA 10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW).....	486.52	40.48
22 45 36 00-0004 EA 12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE).....	718.84	40.48
22 45 36 00-0005 EA 31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E).....	1,061.40	40.48
22 45 36 00-0006 EA 78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E).....	1,254.34	40.48
22 45 36 00-0007 EA 31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H).....	1,781.96	40.48
22 45 36 00-0008 EA 12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE).....	1,880.40	40.48
22 45 36 00-0009 EA 74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE)	3,167.96	40.48
22 45 36 00-0010 EA 78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF).....	3,809.77	40.48
22 45 36 00-0011 EA 1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B)	545.58	40.48
22 45 39 Emergency Plumbing Fixture Accessories (22 45)		
22 45 39 00-0001 Emergency Plumbing Fixture Accessories (22 45 39)		
22 45 39 00-0002 Emergency Plumbing Fixture Accessories (Haws) (22 45 39 00-0001)		
22 45 39 00-0003 EA Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220).....	124.35	12.95
22 45 39 00-0004 EA Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W).....	175.53	12.95
22 45 39 00-0005 EA Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS)	183.41	12.95
22 45 39 00-0006 EA Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS)	206.59	4.86
22 45 39 00-0007 EA Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102).....	211.22	3.24
22 45 39 00-0008 EA 3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020).....	229.51	6.47
22 45 39 00-0009 EA Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFX)	392.46	48.58
22 45 39 00-0010 EA Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP)	412.29	21.09
22 45 39 00-0011 EA Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT)	617.05	21.09
22 45 39 00-0012 EA Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037).....	718.84	48.58
22 45 39 00-0013 EA Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP)	1,384.86	21.09
22 45 39 00-0014 EA 1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5).....	1,518.69	70.28
22 45 39 00-0015 EA 1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001).....	1,550.19	70.28



Plumbing	22	22
Plumbing Fixtures	22 40	
Emergency Plumbing Fixtures	22 45	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 39 00-0016 EA 1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP)	2,896.82	70.28
22 45 39 00-0017 EA 1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1)	5,534.95	70.28
22 45 39 00-0018 Emergency Plumbing Fixture Accessories (Speakman) (22 45 39 00-0001)		
22 45 39 00-0019 EA Privacy Curtain For Emergency Showers	671.90	48.58
Note: Curtain includes stainless steel curtain rod and mounting accessories.		
22 45 39 00-0020 Emergency Plumbing Fixture Accessories (WaterSaver) (22 45 39 00-0001)		
22 45 39 00-0021 EA Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC).....	85.23	10.55
22 46 Security Plumbing Fixtures (22 40)		
22 46 13 Security Water Closets And Urinals (22 46)		
22 46 13 13 Security Water Closets (22 46 13)		
22 46 13 13-0001 Security Water Closets (22 46 13 13)		
22 46 13 13-0002 EA Security Water Closet, Integral Seat, Back Supply And Flush Valve, Wall Hung, Wall Outlet, Cast Aluminum (Acorn 1675).....	2,121.51	161.91
For Angled Toilet, Add	16.19	
For Offset Toilet, Add	195.96	
22 46 13 13-0003 EA Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Wall Outlet, Cast Aluminum (Acorn 1684).....	2,584.57	161.91
For Angled Toilet, Add	16.19	
For Offset Toilet, Add	242.27	
22 46 13 13-0004 EA Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Floor Outlet, Cast Aluminum (Acorn 1695).....	2,625.14	161.91
For Angled Toilet, Add	16.19	
For Offset Toilet, Add	246.32	
22 46 13 13-0005 EA Recessed Tissue Holder For Security Water Closet, Stainless Steel (Acorn 1840).....	231.17	32.38
22 46 13 16 Security Urinals (22 46 13)		
22 46 13 16-0001 Security Urinals (22 46 13 16)		
22 46 13 16-0002 EA Security Urinal, Back Supply And Flush, Wall Hung, Stainless Steel (Acorn 1700).....	2,534.00	145.72
22 46 13 16-0003 EA Security Urinal, Back Supply And Flush, Stall, Stainless Steel (Acorn 1720)	4,321.45	207.05
22 46 13 19 Security Combination Toilet - Lavatory (22 46 13)		
22 46 13 19-0001 Security Combination Toilet - Lavatory (22 46 13 19)		
22 46 13 19-0002 EA 15" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1415).....	3,896.19	200.77
For Angled Toilet, Add	20.08	
For Offset Toilet, Add	369.54	
For 15" Mirror/Shelf Module, Add	750.77	
For AC Duplex Outlet Option, Add	70.15	
For Intercom Option, Add	115.15	
For 15" Wide Light/Ventilation Module, Add	755.46	
22 46 13 19-0003 EA 18" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1418).....	4,012.15	210.49
For Angled Toilet, Add	21.05	
For Offset Toilet, Add	380.17	
For 18" Mirror/Shelf Module, Add	785.49	
For AC Duplex Outlet Option, Add	72.10	
For Intercom Option, Add	117.10	
For 18" Wide Light/Ventilation Module, Add	776.29	
22 46 13 19-0004 EA 20" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1420).....	4,098.72	220.20
For Angled Toilet, Add	22.02	
For Offset Toilet, Add	387.85	
For 20" Mirror/Shelf Module, Add	830.20	
For AC Duplex Outlet Option, Add	74.04	
For Intercom Option, Add	119.04	
For 20" Wide Light/Ventilation Module, Add	807.12	
22 46 13 19-0005 EA 26" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1426).....	4,389.56	229.92
For Angled Toilet, Add	22.99	
For Offset Toilet, Add	415.96	
For 26" Mirror/Shelf Module, Add	864.92	
For AC Duplex Outlet Option, Add	75.98	
For Intercom Option, Add	120.98	
For 26" Wide Light/Ventilation Module, Add	832.95	

22	Plumbing
22 40	Plumbing Fixtures
22 46	Security Plumbing Fixtures



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 13 19-0006	EA	28" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Floor Mounted, Stainless Steel (Acorn 1428)	7,146.79	239.63
		<i>For Angled Toilet, Add</i>	23.96	
		<i>For Offset Toilet, Add</i>	690.72	
		<i>For 28" Mirror/Shelf Module, Add</i>	894.63	
		<i>For AC Duplex Outlet Option, Add</i>	77.93	
		<i>For Intercom Option, Add</i>	122.93	
		<i>For 28" Wide Light/Ventilation Module, Add</i>	858.78	
22 46 16		Security Lavatories And Sinks (22 46)		
22 46 16 13		Security Lavatories (22 46 16)		
22 46 16 13-0001		Security Lavatories (22 46 16 13)		
22 46 16 13-0002	EA	20" Security Lavatory, Wall Hung, Push Button Filler Valve, Rectangular Bowl, Stainless Steel (Acorn 1650)	1,530.89	113.34
		<i>For Shelf, Add</i>	69.00	
22 46 16 13-0003	EA	18" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Stainless Steel (Acorn 1655)	1,557.75	113.34
		<i>For Shelf, Add</i>	69.00	
22 46 16 13-0004	EA	13" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Corner Mount, Stainless Steel (Acorn 1660)	1,784.57	113.34
		<i>For Shelf, Add</i>	69.00	
22 46 16 13-0005	EA	18" Security Lavatory, Wall Hung, Push Button Filler Valve, Multi Sided Bowl, Stainless Steel (Acorn 1656)	1,557.75	113.34
		<i>For Shelf, Add</i>	69.00	
22 46 16 16		Security Sinks (22 46 16)		
22 46 16 16-0001		Security Sinks (22 46 16 16)		
22 46 16 16-0002	EA	22" x 16" x 10" Security Service Sink, With Soap Dish, Stainless Steel (Acorn 1642)	3,332.70	172.60
22 46 19		Security Showers (22 46)		
22 46 19 00-0001		Security Showers (22 46 19)		
22 46 19 00-0002	EA	30" Security Shower, Stainless Steel, Knock-Down (Acorn 1730-3M-KD)	518.11	259.06
22 46 19 00-0003	EA	32" Security Shower, Stainless Steel, Knock-Down (Acorn 1732-3M-KD)	518.11	259.06
22 46 19 00-0004	EA	36" Security Shower, Stainless Steel, Knock-Down (Acorn 1736-3M-KD)	518.11	259.06
22 46 19 00-0005	EA	36" ADA Security Shower, Stainless Steel, Front Access (Acorn 1736-ADA-3M-FA)	518.11	259.06
22 46 19 00-0006	EA	Security Shower Package For Built-in, Hot And Cold Faucets, Mixing Valve, Rectangular Soap Dish, Stainless Steel (Acorn 1741)	527.68	86.46
22 46 19 00-0007	EA	Security Shower Head With Mixing Valves And Piping Assembly In Wall (Acorn 1743)	393.60	45.34
22 46 43		Security Plumbing Fixture Flushometers (22 46)		
22 46 43 00-0001	EA	Concealed Manual Water Closet Flush Valve, With Pushbutton Control (Sloan 601 AFD ESM)	395.39	22.08
		Note: Anti-flood device (AFD), solenoid operated with module plug 24V (ESM).		
22 46 43 00-0002	EA	Concealed Manual Urinal Flush Valve, 1-1/2" Backinlet, With Pushbutton Control (Sloan 609 ESM)	394.94	22.08
		Note: Solenoid operated with module plug 24V (ESM).		
22 46 43 00-0003	EA	Concealed Manual Urinal Flush Valve, 3/4" Backinlet, With Pushbutton Control (Sloan 613 ESM)	381.93	22.08
		Note: Solenoid operated with module plug 24V (ESM).		
22 46 56		Security Drinking Fountains (22 46)		
22 46 56 00-0001		Security Drinking Fountain (22 46 56)		
22 46 56 00-0002	EA	Security Drinking Fountain, Wall Hung, Push Button Filler Valve, Rectangular Bowl, Stainless Steel (Acorn 1672)	1,546.09	113.34
22 47		Drinking Fountains And Water Coolers (22 40)		
22 47 13		Drinking Fountains (22 47)		
22 47 13 00-0001		Indoor Drinking Fountains (22 47 13)		
22 47 13 00-0002		Face Mounted Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0003	EA	Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S)	1,380.81	105.24
22 47 13 00-0004	EA	Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP)	2,032.09	113.34
22 47 13 00-0005	EA	Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E)	1,837.33	105.24
22 47 13 00-0006	EA	Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP)	2,196.50	113.34
22 47 13 00-0007	EA	Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFS)	907.06	105.24
22 47 13 00-0008	EA	Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSBP)	1,091.22	113.34
22 47 13 00-0009	EA	Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE)	1,033.35	105.24
22 47 13 00-0010	EA	Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP)	1,261.93	113.34



Plumbing	22	22
Plumbing Fixtures	22 40	
Drinking Fountains And Water Coolers	22 47	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0011 Wall Mounted Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0012 EA Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701).....	931.15	113.34
22 47 13 00-0013 EA Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF).....	1,348.04	113.34
22 47 13 00-0014 EA Bi-Level, Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8LWF).....	1,849.77	113.34
22 47 13 00-0015 Semi-Recessed Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0016 EA Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801).....	1,267.00	121.43
22 47 13 00-0017 EA Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C).....	2,791.33	121.43
22 47 13 00-0018 Fully Recessed Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0019 EA Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400).....	1,355.41	129.53
22 47 13 00-0020 EA Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403).....	2,524.86	129.53
22 47 13 00-0021 Countertop Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0022 EA Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000).....	548.50	80.96
22 47 13 00-0023 EA Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000).....	526.48	80.96
22 47 13 00-0024 EA Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028).....	647.12	80.96
22 47 13 00-0025 Bowl And Bracket Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0026 EA Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A).....	456.91	80.96
22 47 13 00-0027 EA Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540).....	559.18	80.96
22 47 13 00-0028 Multi-Station Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0029 EA Stainless Steel Two Station Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020).....	2,626.13	129.53
22 47 13 00-0030 EA Stainless Steel Three Station Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030).....	3,320.01	129.53
22 47 13 00-0031 EA Marblyte, Face-Mounted Two Station Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120).....	2,501.87	129.53
22 47 13 00-0032 EA White Enameled Iron Two Station Indoor Drinking Fountains With Bubblers (Haws 1430).....	2,099.52	129.53
22 47 13 00-0033 EA White Enameled Iron Three Station Indoor Drinking Fountains With Bubblers (Haws 1435).....	2,661.35	129.53
22 47 13 00-0034 EA Stainless Steel, Bi-Level Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4).....	2,290.61	165.23
22 47 13 00-0035 EA Cast Aluminum Two Station Indoor Drinking Fountains With Bubblers (Haws 1441).....	2,750.86	129.53
22 47 13 00-0036 EA Cast Aluminum Three Station Indoor Drinking Fountains With Bubblers (Haws 1408).....	2,702.85	129.53
22 47 13 00-0037 Outdoor Drinking Fountains (22 47 13)		
22 47 13 00-0038 Face Mounted (22 47 13 00-0037)		
22 47 13 00-0039 EA Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR).....	1,174.75	129.53
22 47 13 00-0040 EA Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEFP-FR).....	1,294.32	129.53
22 47 13 00-0041 EA Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592).....	1,242.40	129.53
22 47 13 00-0042 EA Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR).....	1,854.43	129.53
22 47 13 00-0043 Free Standing (22 47 13 00-0037)		
22 47 13 00-0044 EA Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715).....	2,296.08	121.43
22 47 13 00-0045 EA Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR).....	3,250.31	121.43
22 47 13 00-0046 EA Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710).....	2,292.91	121.43
22 47 13 00-0047 EA Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR).....	3,189.36	121.43
22 47 13 00-0048 EA Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720).....	3,438.80	129.53
22 47 13 00-0049 EA Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR).....	3,502.52	129.53
22 47 13 00-0050 EA Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591).....	1,263.96	121.43
22 47 13 00-0051 EA Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590).....	2,226.85	121.43
22 47 13 00-0052 EA Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR).....	3,181.09	121.43
22 47 13 00-0053 EA Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595).....	3,751.10	129.53
22 47 13 00-0054 EA Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR).....	5,291.41	129.53
22 47 16 Pressure Water Coolers (22 47)		
22 47 16 00-0001 Indoor Water Coolers (22 47 16)		

22 Plumbing**22 40 Plumbing Fixtures****22 47 Drinking Fountains And Water Coolers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 47 16 00-0002		Face Mounted Indoor Water Coolers (22 47 16 00-0001)			
22 47 16 00-0003	EA	Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q).....	2,638.75		129.53
22 47 16 00-0004	EA	Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q).....	2,822.04		129.53
22 47 16 00-0005		Wall Mounted Indoor Water Coolers (22 47 16 00-0001)			
22 47 16 00-0006	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q).....	1,218.80		129.53
22 47 16 00-0007	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q).....	1,266.00		129.53
22 47 16 00-0008	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q).....	1,413.90		129.53
22 47 16 00-0009	EA	Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS).....	1,470.54		129.53
22 47 16 00-0010	EA	Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA).....	1,070.91		129.53
22 47 16 00-0011	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS).....	1,251.84		129.53
22 47 16 00-0012	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS).....	969.43		129.53
22 47 16 00-0013	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS).....	1,637.82		194.29
22 47 16 00-0014		Simulated Recessed Indoor Water Coolers (22 47 16 00-0001)			
22 47 16 00-0015	EA	Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q).....	1,467.25		129.53
22 47 16 00-0016		Fully Recessed Indoor Water Coolers (22 47 16 00-0001)			
22 47 16 00-0017	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q).....	2,908.67		145.72
22 47 16 00-0018	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762).....	3,570.78		145.72
22 47 16 00-0019	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700).....	4,193.37		145.72
22 47 16 00-0020		Free Standing Indoor Water Coolers (22 47 16 00-0001)			
22 47 16 00-0021	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q).....	1,180.91		113.34
22 47 16 00-0022	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q).....	1,272.95		113.34
22 47 16 00-0023	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q).....	1,453.09		113.34
22 47 16 00-0024	EA	Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q).....	1,623.80		113.34
22 47 16 00-0025		Bottled Water Coolers (22 47 16 00-0001)			
22 47 16 00-0026	EA	Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water.....	394.89		64.76
22 47 16 00-0027	EA	Free-Standing Bottled Water Cooler With Chilled Or Hot Water.....	479.42		64.76
22 47 16 00-0028		Multi-Station Indoor Water Coolers (22 47 16 00-0001)			
22 47 16 00-0029	EA	Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q).....	2,884.70		194.29
22 47 16 00-0030	EA	Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semi Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q).....	4,471.42		194.29
22 47 16 00-0031	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS).....	1,784.93		194.29
22 47 16 00-0032		Outdoor Water Coolers (22 47 16)			
22 47 16 00-0033		Wall Mounted Outdoor Water Coolers (22 47 16 00-0032)			
22 47 16 00-0034	EA	Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS).....	1,293.49		80.96
22 47 16 00-0035	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS).....	2,257.61		80.96
22 47 16 00-0036		Free Standing Outdoor Water Coolers (22 47 16 00-0032)			
22 47 16 00-0037	EA	Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q).....	2,141.10		121.43
22 47 16 00-0038	EA	Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q).....	2,581.64		121.43
22 47 16 00-0039		Removal And Reinstallation Of Fixtures And Trim (22 47 16)			
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.			
22 47 16 00-0040	EA	Removal And Reinstallation Of Wall Hung Water Cooler.....	316.40		
22 47 16 00-0041	EA	Removal And Reinstallation Of Floor Mount Water Cooler.....	70.35		
22 47 19		Water-Station Water Coolers (22 47)			



Plumbing	22	22
Plumbing Fixtures	22 40	
Drinking Fountains And Water Coolers	22 47	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 19 00-0001 Bottle Filler <small>(22 47 19)</small>		
22 47 19 00-0002 EA Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF).....	3,124.70	129.53
For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0003 EA Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK).....	3,975.02	129.53
For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0004 EA Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1)	5,115.18	145.72
For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0005 EA Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2)	5,534.26	145.72
For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0006 EA Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3)	5,953.35	145.72
For Stainless Steel Carrier, Add	205.00	
22 47 23 Remote Water Coolers <small>(22 47)</small>		
22 47 23 00-0001 Remote Chillers <small>(22 47 23)</small>		
22 47 23 00-0002 EA 1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q).....	746.66	43.71
22 47 23 00-0003 EA 5 GPH Remote Chiller (Halsey-Taylor SJ5-Q).....	1,144.99	48.58
22 47 23 00-0004 EA 8 GPH Remote Chiller (Halsey-Taylor SJ8-Q).....	975.53	56.67
22 47 23 00-0005 EA 10 GPH Remote Chiller (Halsey-Taylor SJ10-Q).....	1,259.98	64.76
22 47 23 00-0006 EA 19 GPH Remote Chiller (Halsey-Taylor SJ19-Q).....	1,976.12	97.15
22 47 23 00-0007 EA 30 GPH Remote Chiller (Halsey-Taylor SJ30-Q).....	2,142.55	105.24
22 47 26 Fixture Carriers <small>(22 47)</small>		
22 47 26 00-0001 Water Cooler Carriers <small>(22 47 26)</small>		
22 47 26 00-0002 Floor Mounted, Water Cooler Carriers <small>(22 47 26 00-0001)</small>		
Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003 EA Floor Mounted Hanger Plate Type, Single Water Cooler Carrier	304.57	24.62
For Up To 4" Extension Sleeves And Hardware, Add	14.73	
For Bi-Level Carrier, Add	168.49	
22 47 26 00-0004 EA Floor Mounted Bearing Plate Type, Single Water Cooler Carrier	331.23	24.62
For Up To 4" Extension Sleeves And Hardware, Add	14.73	
For Bi-Level Carrier, Add	168.49	
22 50 Pool And Fountain Plumbing Systems <small>(22)</small>		
22 51 Swimming Pool Plumbing Systems <small>(22 50)</small>		
22 51 13 Swimming Pool Piping <small>(22 51)</small>		
22 51 13 00-0001 Swimming Pool Gutters <small>(22 51 13)</small>		
22 51 13 00-0002 LF Swimming Pool Gutters, Stainless.....	214.96	14.57
22 51 13 00-0003 Pool Drains <small>(22 51 13)</small>		
22 51 13 00-0004 Cast Iron Pool Drain With Bottom Outlet <small>(22 51 13 00-0003)</small>		
Note: Large square top and 24" loose set round super-flo grate.		
22 51 13 00-0005 EA Cast Iron Pool Drain, 4" - 8" Bottom Outlet, Large Square Top And 24" Super-Flo Grate	1,290.95	40.80
For Polished Bronze Top, Add	769.60	
For Chromium Plated Top, Add	805.00	
For Galvanized Top, Add	276.40	
For Vandal Proof Construction, Add	57.20	
22 51 13 00-0006 Cast Iron Pool Drain With Waterproof Flange <small>(22 51 13 00-0003)</small>		
Note: Bottom outlet 14" square top and loose set square flange.		
22 51 13 00-0007 EA Cast Iron Pool Drain, 2" - 4" Bottom Outlet With Waterproof Flange And 14" Square Top	396.31	40.80
For Clamp Device, Add	13.80	
For Galvanized Top, Add	38.10	
For Polished Bronze Top, Add	133.50	
For Chromium Plated Top, Add	146.90	
For Hinge Grate, Add	28.60	
For Supplementary Strainer, Add	7.00	
For Threaded Outlet, Add	9.50	
For Vandal Proof Construction, Add	17.10	
For Ground Screw, Add	18.30	
22 51 13 00-0008 Pool Supply Fittings <small>(22 51 13)</small>		
22 51 13 00-0009 Cast Iron Pool Supply Fittings <small>(22 51 13 00-0008)</small>		
Note: Includes polished bronze head and anchor flange and adjustable V-ported valve insert and threaded inlet.		
22 51 13 00-0010 EA Cast Iron Pool Fitting For 2" Pipe.....	498.90	72.86
For Galvanized Head, Add	26.30	
For Vandal Proof Construction, Add	11.50	
For Grounding Screw, Add	18.30	

22 Plumbing**22 50 Pool And Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 13 00-0011 EA Cast Iron Pool Fitting For 3" Pipe.....	498.90	72.86
For Chromium Plated Head, Add	11.50	
For Galvanized Head, Add	26.30	
For Vandal Proof Construction, Add	11.50	
For Grounding Screw, Add	18.30	
22 51 16 Swimming Pool Pumps (22 51)		
22 51 16 00-0001 Variable Speed Pool Pumps (22 51 16)		
22 51 16 00-0002 EA 3 HP, Variable Speed Pool Pump With Vacuum Release (Pentair INTELLIFLO VS+SVRS 11017)	1,547.93	275.25
22 51 16 00-0003 EA Variable Speed Pool Pump (Hayward EcoStar SVRS SP3400VSP)	1,689.48	275.25
22 51 16 00-0004 EA Variable Speed Pool Pump With Vacuum Release (Hayward EcoStar SVRS SP3400VSPVR)	1,879.47	275.25
22 51 16 00-0005 Electric Powered Portable Vacuum Cleaner Pump (22 51 16)		
Note: Includes 75' of 3 wire electric safety cord.		
22 51 16 00-0006 EA 1 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	278.90	32.38
22 51 16 00-0007 EA 1-1/2 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	539.35	32.38
22 51 16 00-0008 Gasoline Driven Portable Vacuum Cleaner Pump (22 51 16)		
22 51 16 00-0009 EA 3 HP Gasoline Driven Portable Vacuum Cleaner Pump	2,270.79	32.38
22 51 19 Swimming Pool Water Treatment Equipment (22 51)		
22 51 19 00-0001 Condensing Pool Water Heater (22 51 19)		
22 51 19 00-0002 EA 372 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN400)	20,398.85	464.30
22 51 19 00-0003 EA 467 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN501)	22,245.28	557.16
22 51 19 00-0004 EA 567 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN601)	24,391.16	603.59
22 51 19 00-0005 EA 660 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN701)	29,924.41	650.02
22 51 19 00-0006 EA 773 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN801)	31,049.09	696.45
22 51 19 00-0007 EA 967 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1015)	46,970.41	835.74
22 51 19 00-0008 EA 1,257 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1320)	60,108.80	882.17
22 51 19 00-0009 EA 1,450 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1520)	62,547.47	951.81
22 51 19 00-0010 Non Condensing Pool Water Heater (22 51 19)		
22 51 19 00-0011 EA 500 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0502)	11,136.20	603.59
22 51 19 00-0012 EA 650 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0652)	11,871.41	650.02
22 51 19 00-0013 EA 750 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0752)	12,928.01	696.45
22 51 19 00-0014 EA 990 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0992)	17,047.78	835.74
22 51 19 00-0015 EA 1,260 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN1262)	19,717.72	882.17
22 51 19 00-0016 EA 1,440 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN1442)	21,053.66	951.81
22 51 19 00-0017 EA 1,800 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN1802)	20,884.04	998.24
22 51 19 00-0018 EA 2,070 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN2072)	26,950.95	1,021.46
22 51 19 00-0019 Swimming Pool Heaters (22 51 19)		
Note: Excludes wiring, external piping, base or pad. Commercial pools.		
22 51 19 00-0020 Electric Pool Heaters (22 51 19 00-0019)		
22 51 19 00-0021 EA 12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool	2,756.78	129.53
22 51 19 00-0022 EA 18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool	3,082.77	139.24
22 51 19 00-0023 EA 24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool	3,422.65	161.91
22 51 19 00-0024 EA 30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool	3,616.28	194.29
22 51 19 00-0025 EA 36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool	3,961.03	272.01
22 51 19 00-0026 EA 60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool	4,517.18	388.58
22 51 19 00-0027 Gas Fired Pool Heaters (22 51 19 00-0019)		
22 51 19 00-0028 EA 120 MBH Output Gas Fired Pool Heater	2,833.73	300.12
22 51 19 00-0029 EA 180 MBH Output Gas Fired Pool Heater	3,257.62	356.39
22 51 19 00-0030 EA 240 MBH Output Gas Fired Pool Heater	4,224.69	625.25
22 51 19 00-0031 EA 300 MBH Output Gas Fired Pool Heater	5,036.14	750.30
22 51 19 00-0032 EA 360 MBH Output Gas Fired Pool Heater	5,320.36	834.71
22 51 19 00-0033 EA 400 MBH Output Gas Fired Pool Heater	6,255.61	1,031.06
22 51 19 00-0034 EA 500 MBH Output Gas Fired Pool Heater	10,116.59	1,237.27
22 51 19 00-0035 EA 600 MBH Output Gas Fired Pool Heater	11,740.64	1,374.74
22 51 19 00-0036 EA 750 MBH Output Gas Fired Pool Heater	13,246.18	1,484.72
22 51 19 00-0037 EA 1,000 MBH Output Gas Fired Pool Heater	17,004.24	1,752.80



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0038				Surge Tanks <small>(22 51 19)</small> Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.		
				22 51 19 00-0039 EA 1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	10,573.91	500.60
				22 51 19 00-0040 EA 1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	11,839.25	500.60
				22 51 19 00-0041 EA 2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	14,322.99	642.82
				22 51 19 00-0042 EA 5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	19,039.17	1,037.45
22 51 19 00-0043				Diatomite Type Filter System <small>(22 51 19)</small>		
				22 51 19 00-0044 EA 35,000 Gallon Filter System, Diatomite	8,556.49	1,712.76
				22 51 19 00-0045 EA 45,000 Gallon Filter System, Diatomite	10,194.53	2,055.31
22 51 19 00-0046				Silver Recovery System, X-Ray Film Processing <small>(22 51 19)</small>		
				22 51 19 00-0047 EA 20 Gallon/Day Capacity, Silver Recovery System	1,262.18	219.83
				22 51 19 00-0048 EA 40 Gallon/Day Capacity, Silver Recovery System	1,857.37	293.15
22 51 19 00-0049				Inline Water Filter <small>(22 51 19)</small> Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
				22 51 19 00-0050 EA 2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body.....	163.54	64.76
				22 51 19 00-0051 EA 6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body	302.88	97.15
22 51 19 00-0052				Swimming Pool Chlorinators <small>(22 51 19)</small>		
				22 51 19 00-0053 EA Swimming Pool Chlorinator, 50-100 PPD, Direct Cylinder Mounted Gas Chlorinator.....	867.30	92.61
22 51 23				Swimming Pool Equipment Controls <small>(22 51)</small>		
22 51 23 00-0001				Pentair Acu Drive XS Pool Pump Variable Frequency Drive <small>(22 51 23)</small>		
				22 51 23 00-0002 EA 3 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01).....	2,521.67	134.94
				22 51 23 00-0003 EA 5 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01).....	2,708.11	151.81
				22 51 23 00-0004 EA 7-1/2 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01).....	3,244.23	189.76
				22 51 23 00-0005 EA 10 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01).....	3,452.09	226.45
				22 51 23 00-0006 EA 15 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01).....	3,696.54	263.56
				22 51 23 00-0007 EA 20 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01).....	4,189.73	301.09
				22 51 23 00-0008 EA 3 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01).....	2,524.83	134.94
				22 51 23 00-0009 EA 5 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01).....	2,662.73	151.81
				22 51 23 00-0010 EA 7-1/2 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01).....	2,872.69	189.76
				22 51 23 00-0011 EA 10 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01).....	3,091.11	226.45
				22 51 23 00-0012 EA 15 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01).....	3,644.82	263.56
				22 51 23 00-0013 EA 20 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01).....	4,049.35	301.09
				22 51 23 00-0014 EA 3 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01FB).....	3,254.18	134.94
				22 51 23 00-0015 EA 5 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01FB).....	3,741.45	151.81
				22 51 23 00-0016 EA 7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01FB).....	4,160.40	189.76
				22 51 23 00-0017 EA 10 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01FB).....	4,487.54	226.45
				22 51 23 00-0018 EA 15 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01FB).....	5,282.96	263.56
				22 51 23 00-0019 EA 20 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01FB).....	5,956.63	301.09
				22 51 23 00-0020 EA 3 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01FB).....	3,493.78	134.94
				22 51 23 00-0021 EA 5 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01FB).....	3,634.00	151.81
				22 51 23 00-0022 EA 7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01FB).....	3,840.58	189.76
				22 51 23 00-0023 EA 10 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01FB).....	4,060.06	226.45
				22 51 23 00-0024 EA 15 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01FB).....	4,633.83	263.56
				22 51 23 00-0025 EA 20 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01FB).....	5,071.07	301.09
				22 51 23 00-0026 EA 1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12).....	2,400.12	134.94

22 Plumbing**22 50 Pool And Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0027	EA	3/4 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12).....	2,439.91	134.94
22 51 23 00-0028	EA	1 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12).....	2,464.49	134.94
22 51 23 00-0029	EA	1-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12).....	2,530.72	134.94
22 51 23 00-0030	EA	2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12).....	2,630.78	134.94
22 51 23 00-0031	EA	3 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12).....	2,708.39	134.94
22 51 23 00-0032	EA	5 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12).....	2,900.11	151.81
22 51 23 00-0033	EA	7-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12).....	3,458.37	189.76
22 51 23 00-0034	EA	10 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12).....	3,701.16	226.45
22 51 23 00-0035	EA	15 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12).....	3,953.04	263.56
22 51 23 00-0036	EA	20 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12).....	4,491.51	301.09
22 51 23 00-0037	EA	25 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12).....	5,897.92	375.31
22 51 23 00-0038	EA	30 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12).....	6,510.62	413.26
22 51 23 00-0039	EA	40 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12).....	7,698.13	451.21
22 51 23 00-0040	EA	50 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12).....	8,957.07	527.12
22 51 23 00-0041	EA	60 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12).....	9,811.07	565.07
22 51 23 00-0042	EA	1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12).....	2,449.70	134.94
22 51 23 00-0043	EA	3/4 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12).....	2,501.10	134.94
22 51 23 00-0044	EA	1 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12).....	2,565.76	134.94
22 51 23 00-0045	EA	1-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12).....	2,621.34	134.94
22 51 23 00-0046	EA	2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12).....	2,677.98	134.94
22 51 23 00-0047	EA	3 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12).....	2,737.75	134.94
22 51 23 00-0048	EA	5 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12).....	2,880.18	151.81
22 51 23 00-0049	EA	7-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12).....	3,092.35	189.76
22 51 23 00-0050	EA	10 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12).....	3,316.06	226.45
22 51 23 00-0051	EA	15 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12).....	4,029.18	263.56
22 51 23 00-0052	EA	20 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12).....	4,443.05	301.09
22 51 23 00-0053	EA	25 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12).....	4,900.13	375.31
22 51 23 00-0054	EA	30 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12).....	5,541.68	413.26
22 51 23 00-0055	EA	40 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12).....	6,255.43	451.21
22 51 23 00-0056	EA	50 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12).....	7,664.18	527.12
22 51 23 00-0057	EA	60 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12).....	8,419.22	565.07
22 51 23 00-0058	EA	75 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12).....	9,438.90	603.03
22 51 23 00-0059	EA	100 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12).....	11,178.18	638.87
22 51 23 00-0060	EA	125 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12).....	12,887.09	674.72
22 51 23 00-0061	EA	150 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12).....	13,979.35	754.84
22 51 23 00-0062	EA	200 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12).....	16,316.04	826.52
22 51 23 00-0063	EA	1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12FB).....	3,460.96	134.94
22 51 23 00-0064	EA	3/4 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12FB).....	3,500.75	134.94
22 51 23 00-0065	EA	1 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12FB).....	3,525.33	134.94
22 51 23 00-0066	EA	1-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12FB).....	3,591.56	134.94
22 51 23 00-0067	EA	2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12FB).....	3,691.62	134.94
22 51 23 00-0068	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12FB).....	3,769.23	134.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0069 EA 5 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12FB).....	3,960.95	151.81
22 51 23 00-0070 EA 7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12FB).....	4,399.11	189.76
22 51 23 00-0071 EA 10 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12FB).....	4,764.56	226.45
22 51 23 00-0072 EA 15 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12FB).....	5,581.24	263.56
22 51 23 00-0073 EA 20 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12FB).....	6,307.67	301.09
22 51 23 00-0074 EA 25 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12FB).....	7,426.43	375.31
22 51 23 00-0075 EA 30 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12FB).....	8,176.01	413.26
22 51 23 00-0076 EA 40 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12FB).....	10,440.04	451.21
22 51 23 00-0077 EA 50 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12FB).....	13,761.73	527.12
22 51 23 00-0078 EA 60 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12FB).....	15,123.60	565.07
22 51 23 00-0079 EA 1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12FB).....	3,445.91	134.94
22 51 23 00-0080 EA 3/4 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12FB).....	3,497.29	134.94
22 51 23 00-0081 EA 1 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12FB).....	3,561.96	134.94
22 51 23 00-0082 EA 1-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12FB).....	3,617.54	134.94
22 51 23 00-0083 EA 2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12FB).....	3,674.17	134.94
22 51 23 00-0084 EA 3 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12FB).....	3,733.95	134.94
22 51 23 00-0085 EA 5 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12FB).....	3,876.38	151.81
22 51 23 00-0086 EA 7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12FB).....	4,087.48	189.76
22 51 23 00-0087 EA 10 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12FB).....	4,311.18	226.45
22 51 23 00-0088 EA 15 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12FB).....	5,045.92	263.56
22 51 23 00-0089 EA 20 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12FB).....	5,493.22	301.09
22 51 23 00-0090 EA 25 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12FB).....	6,021.48	375.31
22 51 23 00-0091 EA 30 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12FB).....	6,785.82	413.26
22 51 23 00-0092 EA 40 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12FB).....	8,033.42	451.21
22 51 23 00-0093 EA 50 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12FB).....	9,244.34	527.12
22 51 23 00-0094 EA 60 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12FB).....	10,290.59	565.07
22 51 23 00-0095 EA 75 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12FB).....	11,946.57	603.03
22 51 23 00-0096 EA 100 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12FB).....	15,745.57	638.87
22 51 23 00-0097 EA 125 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12FB).....	17,416.81	674.72
22 51 23 00-0098 EA 150 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12FB).....	21,875.99	754.84
22 51 23 00-0099 EA 200 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12FB).....	25,701.05	826.52
22 51 23 00-0100 EA 380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 3 Year Extended Warranty (Pentair AD-EWW136).....	235.67	
22 51 23 00-0101 EA 380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 3 Year Extended Warranty (Pentair AD-EWW236).....	376.07	
22 51 23 00-0102 EA 380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 6 Year Extended Warranty (Pentair AD-EWW172).....	416.18	
22 51 23 00-0103 EA 380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 6 Year Extended Warranty (Pentair AD-EWW272).....	707.02	
22 51 23 00-0104 EA 380+ Volt AC, 50 To 125 HP, 260 Volt AC, 30 To 60 HP, 6 Year Extended Warranty (Pentair AD-EWW372).....	1,348.84	
22 51 23 00-0105 EA 3" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4203KIT).....	846.25	
22 51 23 00-0106 EA 4" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4204KIT).....	884.86	
22 51 23 00-0107 EA 6" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4206KIT).....	965.79	
22 51 23 00-0108 EA 8" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4208KIT).....	1,036.02	
22 51 23 00-0109 EA 3" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-03KIT).....	1,209.99	
22 51 23 00-0110 EA 4" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-04KIT).....	1,246.28	
22 51 23 00-0111 EA 6" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-06KIT).....	1,323.50	
22 51 23 00-0112 EA 8" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-08KIT).....	1,391.54	
22 51 23 00-0113 EA 10" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-10KIT).....	1,663.08	
22 51 23 00-0114 EA 12" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-12KIT).....	1,670.11	

22 Plumbing**22 50 Pool And Fountain Plumbing Systems**

22 51 Swimming Pool Plumbing Systems



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
22 51 23 00-0115		Eco-Flow-E Aquatic Variable Frequency Drive And Options ^(22 51 23)			
22 51 23 00-0116		Eco-Flow-E Aquatic Variable Frequency Drive ^(22 51 23 00-0115)			
22 51 23 00-0117	EA	2 HP, 480 Volt, 3 Phase, 4 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-04-12-4).....	2,008.27		112.46
		<i>For Bypass Panel, Add</i>	467.35		
22 51 23 00-0118	EA	3 HP, 480 Volt, 3 Phase, 6 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-06-12-4).....	2,010.17		112.46
		<i>For Bypass Panel, Add</i>	467.35		
22 51 23 00-0119	EA	5 HP, 480 Volt, 3 Phase, 8 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-4).....	2,048.43		126.51
		<i>For Bypass Panel, Add</i>	467.35		
22 51 23 00-0120	EA	7-1/2 HP, 480 Volt, 3 Phase, 12 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-4)	2,132.57		158.14
		<i>For Bypass Panel, Add</i>	467.35		
22 51 23 00-0121	EA	10 HP, 480 Volt, 3 Phase, 16 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-4).....	2,310.88		188.71
		<i>For Bypass Panel, Add</i>	467.35		
22 51 23 00-0122	EA	15 HP, 480 Volt, 3 Phase, 24 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-4).....	2,574.12		219.63
		<i>For Bypass Panel, Add</i>	550.79		
22 51 23 00-0123	EA	20 HP, 480 Volt, 3 Phase, 30 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-30-12-4).....	3,031.84		250.91
		<i>For Bypass Panel, Add</i>	550.79		
22 51 23 00-0124	EA	25 HP, 480 Volt, 3 Phase, 39 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-39-12-4).....	3,169.12		314.16
		<i>For Bypass Panel, Add</i>	550.79		
22 51 23 00-0125	EA	30 HP, 480 Volt, 3 Phase, 45 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-45-12-4).....	3,783.28		345.44
		<i>For Bypass Panel, Add</i>	550.79		
22 51 23 00-0126	EA	40 HP, 480 Volt, 3 Phase, 61 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-61-12-4).....	3,906.56		376.37
		<i>For Bypass Panel, Add</i>	668.42		
22 51 23 00-0127	EA	1/2 HP, 208/230 Volt, 1 Phase (1 HP, 208/230 Volt, 3 Phase) 8 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-2)	1,997.51		112.46
		<i>For Bypass Panel, Add</i>	467.35		
22 51 23 00-0128	EA	1 HP, 208/230 Volt, 1 Phase (2 HP, 208/230 Volt, 3 Phase) 12 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-2)	2,000.04		112.46
		<i>For Bypass Panel, Add</i>	467.35		
22 51 23 00-0129	EA	1-1/2 HP, 208/230 Volt, 1 Phase (3 HP, 208/230 Volt, 3 Phase) 16 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-2)	2,012.07		112.46
		<i>For Bypass Panel, Add</i>	467.35		
22 51 23 00-0130	EA	5 HP, 208/230 Volt, 1 Phase, 24 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-2)	2,058.56		126.51
		<i>For Bypass Panel, Add</i>	550.79		
22 51 23 00-0131	EA	3 HP, 208/230 Volt, 1 Phase (7-1/2 HP, 208/230 Volt, 3 Phase) 32 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-32-12-2)	2,241.50		158.14
		<i>For Bypass Panel, Add</i>	550.79		
22 51 23 00-0132	EA	5 HP, 208/230 Volt, 1 Phase (10 HP, 208/230 Volt, 3 Phase) 46 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-46-12-2)	2,502.14		188.71
		<i>For Bypass Panel, Add</i>	550.79		
22 51 23 00-0133	EA	7-1/2 HP, 208/230 Volt, 1 Phase (15 HP, 208/230 Volt, 3 Phase) 60 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-60-12-2)	2,963.60		219.63
		<i>For Bypass Panel, Add</i>	668.42		
22 51 23 00-0134	EA	10 HP, 208/230 Volt, 1 Phase (20 HP, 208/230 Volt, 3 Phase) 74 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-74-12-2)	3,038.18		250.91
		<i>For Bypass Panel, Add</i>	668.42		
22 51 23 00-0135	EA	25 HP, 208/230 Volt, 1 Phase, 88 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-88-12-2)	3,711.86		314.16
		<i>For Bypass Panel, Add</i>	902.58		
22 51 23 00-0136	EA	15 HP, 208/230 Volt, 1 Phase (30 HP, 208/230 Volt, 3 Phase) 124 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-124-12-2)	3,836.48		345.44
		<i>For Bypass Panel, Add</i>	1,236.80		
22 51 23 00-0137		Eco-Flow-E Aquatic Variable Frequency Drive Options ^(22 51 23 00-0115)			
22 51 23 00-0138	EA	0 To 30 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-30)	284.86		52.71
22 51 23 00-0139	EA	0 To 100 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-100)	284.86		52.71
22 51 23 00-0140	EA	Lightning Arrestor (H2Flow LA).....	297.00		35.14
22 51 23 00-0141	EA	2 HP, 480 Volt, (3/4 HP, 208/230 Volt) Load Reactor (TCI V1K4A00).....	328.01		15.81
22 51 23 00-0142	EA	3 HP, 480 Volt, (1 To 1-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K6A00)	339.12		17.57
22 51 23 00-0143	EA	5 HP, 480 Volt, (2 HP, 208/230 Volt) Load Reactor (TCI V1K8A00).....	347.71		19.33
22 51 23 00-0144	EA	7-1/2 HP, 480 Volt, (3 HP, 208/230 Volt) Load Reactor (TCI V1K12A00).....	363.25		21.09
22 51 23 00-0145	EA	10 HP, 480 Volt, (5 HP, 208/230 Volt) Load Reactor (TCI V1K16A00).....	370.56		22.84
22 51 23 00-0146	EA	15 HP, 480 Volt, (7-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K25A00).....	482.38		24.60
22 51 23 00-0147	EA	20 HP, 480 Volt, Load Reactor (TCI V1K27A00)	502.99		26.36
22 51 23 00-0148	EA	25 HP, 480 Volt, (10 HP, 208/230 Volt) Load Reactor (TCI V1K35A00).....	525.51		28.11
22 51 23 00-0149	EA	30 HP, 480 Volt, (15 HP, 208/230 Volt) Load Reactor (TCI V1K45A00).....	547.38		29.87
22 51 23 00-0150	EA	40 HP, 480 Volt, (20 HP, 208/230 Volt) Load Reactor (TCI V1K55A00).....	566.72		31.63
22 51 23 00-0151	EA	25 To 30 HP, 208/230 Volt, Load Reactor (TCI V1K80A00)	776.70		33.38
22 51 23 00-0152	EA	1 HP, 208/230 Volt, Line Reactor (TCI KDRA25L).....	102.90		17.57
22 51 23 00-0153	EA	2 HP, 208/230 Volt, Line Reactor (TCI KDRA27L).....	110.22		19.33
22 51 23 00-0154	EA	3 HP, 208/230 Volt, Line Reactor (TCI KDRA28L).....	123.23		21.09
22 51 23 00-0155	EA	5 HP, 208/230 Volt, Line Reactor (TCI KDRB22L).....	160.94		22.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0156 EA 7-1/2 HP, 208/230 Volt, Line Reactor (TCI KDRB23L)	180.29	24.60
22 51 23 00-0157 EA 10 HP, 208/230 Volt, Line Reactor (TCI KDRD25L)	186.97	26.36
22 51 23 00-0158 EA 15 HP, 208/230 Volt, Line Reactor (TCI KDRD24L)	193.66	28.11
22 51 23 00-0159 EA 20 HP, 208/230 Volt, Line Reactor (TCI KDRD26L)	205.40	29.87
22 51 23 00-0160 EA 25 HP, 208/230 Volt, Line Reactor (TCI KDRC22L)	258.31	31.63
22 51 23 00-0161 EA 30 HP, 208/230 Volt, Line Reactor (TCI KDRF24L)	265.63	33.38
22 51 23 00-0162 EA 1 HP, 480 Volt, Line Reactor (TCI KDRA8L)	103.54	17.57
22 51 23 00-0163 EA 2 HP, 480 Volt, Line Reactor (TCI KDRA1L)	114.02	19.33
22 51 23 00-0164 EA 3 HP, 480 Volt, Line Reactor (TCI KDRA2L)	125.13	21.09
22 51 23 00-0165 EA 5 HP, 480 Volt, Line Reactor (TCI KDRA3L)	131.81	22.84
22 51 23 00-0166 EA 7-1/2 HP, 480 Volt, Line Reactor (TCI KDRA4L)	137.86	24.60
22 51 23 00-0167 EA 10 HP, 480 Volt, Line Reactor (TCI KDRA5L)	171.77	26.36
22 51 23 00-0168 EA 15 HP, 480 Volt, Line Reactor (TCI KDRB2L)	179.09	28.11
22 51 23 00-0169 EA 20 HP, 480 Volt, Line Reactor (TCI KDRB1L)	188.30	29.87
22 51 23 00-0170 EA 25 HP, 480 Volt, Line Reactor (TCI KDRD1L)	194.98	31.63
22 51 23 00-0171 EA 30 HP, 480 Volt, Line Reactor (TCI KDRD2L)	233.96	33.38
22 51 23 00-0172 EA 40 HP, 480 Volt, Line Reactor (TCI KDRC1L)	254.57	35.14
22 51 23 00-0173 EA Models 04 To 30, 304 SS Metric To English Conduit Adaptor Kit	41.64	
22 51 23 00-0174 EA Models 32 To 46, 304 SS Metric To English Conduit Adaptor Kit	56.27	
22 51 23 00-0175 EA Models 60 To 74, 304 SS Metric To English Conduit Adaptor Kit	69.65	
22 51 23 00-0176 Pool Flow Meters <small>(22 51 23)</small>		
22 51 23 00-0177 EA 20 To 110 GPM, 1-1/2" Retrofit Kit FlowVis For Existing Jandy Or Praher Valve Flow Meter (H2Flow FVJ-R-15)	75.56	12.95
22 51 23 00-0178 EA 20 To 110 GPM, 2" x 2-1/2" Retrofit Kit FlowVis For Existing Jandy® Or Praher Valve Flow Meter (H2Flow FVJ-R)	75.56	12.95
22 51 23 00-0179 EA 20 To 110 GPM, 1-1/2" Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C-15)	119.00	24.28
22 51 23 00-0180 EA 20 To 110 GPM, 2" x 2-1/2" Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C)	101.46	25.91
22 51 23 00-0181 Paddlewheel Flow Sensors <small>(22 51 23)</small>		
22 51 23 00-0182 EA 1/2" To 4" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-PO)	498.22	40.59
Note: Includes 25' of cable (extendable to 200').		
22 51 23 00-0183 EA 1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-PO)	655.91	40.59
22 51 23 00-0184 EA 1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-PO)	655.91	40.59
22 51 23 00-0185 EA 1/2" To 4" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-PO)	680.61	40.59
22 51 23 00-0186 EA 1/2" To 4" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-PO)	707.21	40.59
22 51 23 00-0187 EA 1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-TO)	757.56	40.59
22 51 23 00-0188 EA 1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-TO)	757.56	40.59
22 51 23 00-0189 EA 1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-TO)	788.91	40.59
22 51 23 00-0190 EA 1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-TO)	819.30	40.59
22 51 23 00-0191 EA >4" To 8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P1)	520.07	40.59
Note: Includes 25' of cable (extendable to 200').		
22 51 23 00-0192 EA >4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-P1)	680.61	40.59
22 51 23 00-0193 EA >4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-P1)	680.61	40.59
22 51 23 00-0194 EA >4" To 8" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-P1)	707.21	40.59
22 51 23 00-0195 EA >4" To 8" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-P1)	731.91	40.59
22 51 23 00-0196 EA >8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P2)	540.02	40.59
Note: Includes 25' of cable (extendable to 200').		
22 51 23 00-0197 EA 2" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S020)	164.83	
22 51 23 00-0198 EA 4" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S040)	227.91	
22 51 23 00-0199 EA 6" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S060)	280.55	
22 51 23 00-0200 EA 8" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S080)	344.57	
22 51 23 00-0201 EA 10" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S100)	455.16	
22 51 23 00-0202 EA 12" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S120)	462.19	
22 51 23 00-0203 EA 24 Volt DC, Power Supply 7.5 Watt, 300 mA (Signet 7300-7524)	166.42	11.24
22 51 23 00-0204 EA 24 Volt DC, Power Supply 15 Watt, 600 mA (Signet 7300-1524)	226.27	11.24
22 51 23 00-0205 EA 24 Volt DC, Power Supply 30 Watt, 1.3 Amp (Signet 7300-3024)	277.57	11.24
22 51 23 00-0206 EA 24 Volt DC, Power Supply 50 Watt, 2.1 Amp (Signet 7300-5024)	349.76	11.24
22 51 23 00-0207 EA 24 Volt DC, Power Supply 100 Watt, 4.2 Amp (Signet 7300-1024)	482.76	11.24

22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities (22)

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities (22 60)

22 66 53 Laboratory Chemical-Waste And Vent Piping (22 66)

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities**

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0001 Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings ^(22 66 53)		
22 66 53 00-0002 Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings ^(22 66 53 00-0001)		
22 66 53 00-0003 Schedule 40 Polypropylene Acid Resistant DWV Pipe ^(22 66 53 00-0002)		
22 66 53 00-0004 LF 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	9.15	3.69
For Schedule 80, Add	1.87	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	1.60	
For Work In Restricted Working Space, Add	1.67	
22 66 53 00-0005 LF 2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	11.11	4.14
For Schedule 80, Add	2.52	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	2.16	
For Work In Restricted Working Space, Add	1.88	
22 66 53 00-0006 LF 3" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	17.82	6.02
For Schedule 80, Add	4.56	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	3.90	
For Work In Restricted Working Space, Add	2.72	
22 66 53 00-0007 LF 4" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	24.21	7.84
For Schedule 80, Add	6.46	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	5.53	
For Work In Restricted Working Space, Add	3.53	
22 66 53 00-0008 LF 6" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	39.68	11.53
For Schedule 80, Add	11.65	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	9.97	
For Work In Restricted Working Space, Add	5.18	
22 66 53 00-0009 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends ^(22 66 53 00-0002)		
22 66 53 00-0010 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	35.35	13.93
For Work In Restricted Working Space, Add	6.27	
22 66 53 00-0011 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	45.52	18.39
For Work In Restricted Working Space, Add	8.27	
22 66 53 00-0012 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	62.08	21.05
For Work In Restricted Working Space, Add	9.48	
22 66 53 00-0013 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	90.32	27.85
For Work In Restricted Working Space, Add	12.53	
22 66 53 00-0014 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	180.98	41.12
For Work In Restricted Working Space, Add	18.50	
22 66 53 00-0015 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends ^(22 66 53 00-0002)		
22 66 53 00-0016 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	35.11	13.93
For Work In Restricted Working Space, Add	6.27	
22 66 53 00-0017 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	44.87	18.39
For Work In Restricted Working Space, Add	8.27	
22 66 53 00-0018 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	63.33	21.05
For Work In Restricted Working Space, Add	9.48	
22 66 53 00-0019 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	77.78	27.85
For Work In Restricted Working Space, Add	12.53	
22 66 53 00-0020 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	161.54	41.12
For Work In Restricted Working Space, Add	18.50	
22 66 53 00-0021 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees ^(22 66 53 00-0002)		
22 66 53 00-0022 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	62.62	29.79
For Work In Restricted Working Space, Add	13.40	
22 66 53 00-0023 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	77.84	37.56
For Work In Restricted Working Space, Add	16.90	
22 66 53 00-0024 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	104.73	41.12
For Work In Restricted Working Space, Add	18.50	
22 66 53 00-0025 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	145.43	54.01
For Work In Restricted Working Space, Add	24.29	
22 66 53 00-0026 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	257.75	86.39
For Work In Restricted Working Space, Add	38.86	
22 66 53 00-0027 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees ^(22 66 53 00-0002)		
22 66 53 00-0028 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	77.81	37.56
For Work In Restricted Working Space, Add	16.90	
22 66 53 00-0029 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	101.73	41.12
For Work In Restricted Working Space, Add	18.50	
22 66 53 00-0030 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	99.06	41.12
For Work In Restricted Working Space, Add	18.50	
22 66 53 00-0031 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	138.58	54.01
For Work In Restricted Working Space, Add	24.29	
22 66 53 00-0032 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	141.16	54.01
For Work In Restricted Working Space, Add	24.29	
22 66 53 00-0033 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	238.67	86.39
For Work In Restricted Working Space, Add	38.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0034 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug <small>(22 66 53 00-0002)</small>		
22 66 53 00-0035 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	71.39	29.79
For Work In Restricted Working Space, Add	13.40	
22 66 53 00-0036 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	79.96	37.56
For Work In Restricted Working Space, Add	16.90	
22 66 53 00-0037 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	111.23	41.12
For Work In Restricted Working Space, Add	18.50	
22 66 53 00-0038 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	148.42	54.01
For Work In Restricted Working Space, Add	24.29	
22 66 53 00-0039 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	220.75	86.39
For Work In Restricted Working Space, Add	38.86	
22 66 53 00-0040 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes <small>(22 66 53 00-0002)</small>		
22 66 53 00-0041 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	67.55	29.79
For Work In Restricted Working Space, Add	13.40	
22 66 53 00-0042 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	82.40	37.56
For Work In Restricted Working Space, Add	16.90	
22 66 53 00-0043 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	107.45	41.12
For Work In Restricted Working Space, Add	18.50	
22 66 53 00-0044 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	147.68	54.01
For Work In Restricted Working Space, Add	24.29	
22 66 53 00-0045 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	298.92	86.39
For Work In Restricted Working Space, Add	38.86	
22 66 53 00-0046 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes <small>(22 66 53 00-0002)</small>		
22 66 53 00-0047 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	88.43	37.56
For Work In Restricted Working Space, Add	16.90	
22 66 53 00-0048 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	104.36	41.12
For Work In Restricted Working Space, Add	18.50	
22 66 53 00-0049 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	104.36	41.12
For Work In Restricted Working Space, Add	18.50	
22 66 53 00-0050 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	145.01	54.01
For Work In Restricted Working Space, Add	24.29	
22 66 53 00-0051 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	145.01	54.01
For Work In Restricted Working Space, Add	24.29	
22 66 53 00-0052 EA 6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	263.46	86.39
For Work In Restricted Working Space, Add	38.86	
22 66 53 00-0053 EA 6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	265.53	86.39
For Work In Restricted Working Space, Add	38.86	
22 66 53 00-0054 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	239.54	86.39
For Work In Restricted Working Space, Add	38.86	
22 66 53 00-0055 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses <small>(22 66 53 00-0002)</small>		
22 66 53 00-0056 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	84.00	37.24
For Work In Restricted Working Space, Add	16.75	
22 66 53 00-0057 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	104.14	46.95
For Work In Restricted Working Space, Add	21.12	
22 66 53 00-0058 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	144.59	51.42
For Work In Restricted Working Space, Add	23.13	
22 66 53 00-0059 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	202.26	67.48
For Work In Restricted Working Space, Add	30.36	
22 66 53 00-0060 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	362.91	107.96
For Work In Restricted Working Space, Add	48.57	
22 66 53 00-0061 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends <small>(22 66 53 00-0002)</small>		
22 66 53 00-0062 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend.....	61.02	29.79
For Work In Restricted Working Space, Add	13.40	
22 66 53 00-0063 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	80.22	37.56
For Work In Restricted Working Space, Add	16.90	
22 66 53 00-0064 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	92.26	41.12
For Work In Restricted Working Space, Add	18.50	
22 66 53 00-0065 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	128.52	54.01
For Work In Restricted Working Space, Add	24.29	
22 66 53 00-0066 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend.....	73.11	37.56
For Work In Restricted Working Space, Add	16.90	
22 66 53 00-0067 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend.....	89.40	41.12
For Work In Restricted Working Space, Add	18.50	
22 66 53 00-0068 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	90.55	41.12
For Work In Restricted Working Space, Add	18.50	
22 66 53 00-0069 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	124.26	54.01
For Work In Restricted Working Space, Add	24.29	
22 66 53 00-0070 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	124.99	54.01
For Work In Restricted Working Space, Add	24.29	

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0071 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps (22 66 53 00-0002)		
22 66 53 00-0072 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	72.33 15.54	34.59
22 66 53 00-0073 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	96.40 20.45	45.47
22 66 53 00-0074 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	148.05 27.76	61.73
22 66 53 00-0075 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	211.06 35.33	78.56
22 66 53 00-0076 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters (22 66 53 00-0002)		
22 66 53 00-0077 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	34.67 6.27	13.93
22 66 53 00-0078 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	41.92 8.27	18.39
22 66 53 00-0079 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	49.36 9.48	21.05
22 66 53 00-0080 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	67.40 12.53	27.85
22 66 53 00-0081 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	100.04 18.50	41.12
22 66 53 00-0082 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters (22 66 53 00-0002)		
22 66 53 00-0083 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	32.94 6.27	13.93
22 66 53 00-0084 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	43.23 8.27	18.39
22 66 53 00-0085 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	51.76 9.48	21.05
22 66 53 00-0086 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	69.75 12.53	27.85
22 66 53 00-0087 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings (22 66 53 00-0002)		
22 66 53 00-0088 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	30.79 6.27	13.93
22 66 53 00-0089 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	39.37 8.27	18.39
22 66 53 00-0090 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	45.92 9.48	21.05
22 66 53 00-0091 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	60.73 12.53	27.85
22 66 53 00-0092 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	89.23 18.50	41.12
22 66 53 00-0093 Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53) Note: Acid resistant. ASTM A518.		
22 66 53 00-0094 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe (22 66 53 00-0093)		
22 66 53 00-0095 LF 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	61.32	5.77
22 66 53 00-0096 LF 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	86.23	7.19
22 66 53 00-0097 LF 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	117.23	8.29
22 66 53 00-0098 LF 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	192.30	11.65
22 66 53 00-0099 LF 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	338.87	15.57
22 66 53 00-0100 LF 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	598.74	19.64
22 66 53 00-0101 LF 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,067.01	26.45
22 66 53 00-0102 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings (22 66 53 00-0093)		
22 66 53 00-0103 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps (22 66 53 00-0102)		
22 66 53 00-0104 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	247.00	49.09
22 66 53 00-0105 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	322.14	54.01
22 66 53 00-0106 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	521.51	64.64
22 66 53 00-0107 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	775.18	76.98
22 66 53 00-0108 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,776.80	125.11
22 66 53 00-0109 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends (22 66 53 00-0102)		
22 66 53 00-0110 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	145.35	49.09
22 66 53 00-0111 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	188.60	54.01
22 66 53 00-0112 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	236.48	64.64
22 66 53 00-0113 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	617.71	76.98
22 66 53 00-0114 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	1,397.49	125.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0115 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	2,120.05	155.87
22 66 53 00-0116 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	3,110.50	187.45
22 66 53 00-0117 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends (22 66 53 00-0102)		
22 66 53 00-0118 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	145.35	49.09
22 66 53 00-0119 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	188.60	54.01
22 66 53 00-0120 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	236.48	64.64
22 66 53 00-0121 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	454.26	76.98
22 66 53 00-0122 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	1,186.20	125.11
22 66 53 00-0123 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	1,731.66	155.87
22 66 53 00-0124 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	2,453.03	187.45
22 66 53 00-0125 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends (22 66 53 00-0102)		
22 66 53 00-0126 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	145.35	49.09
22 66 53 00-0131 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	188.60	54.01
22 66 53 00-0128 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	236.33	64.57
22 66 53 00-0129 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps (22 66 53 00-0102)		
22 66 53 00-0130 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	197.17	49.09
22 66 53 00-0131 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	346.06	54.01
22 66 53 00-0132 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	387.97	64.64
22 66 53 00-0133 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees (22 66 53 00-0102)		
22 66 53 00-0134 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	205.82	73.44
22 66 53 00-0135 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	257.60	81.41
22 66 53 00-0136 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	357.04	97.21
22 66 53 00-0137 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	592.02	115.68
22 66 53 00-0138 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	1,798.49	187.82
22 66 53 00-0139 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	2,551.12	234.53
22 66 53 00-0140 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees (22 66 53 00-0102)		
22 66 53 00-0141 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	193.27	70.40
22 66 53 00-0142 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	224.96	75.58
22 66 53 00-0143 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	250.84	78.23
22 66 53 00-0144 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	287.00	86.39
22 66 53 00-0145 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	307.07	89.11
22 66 53 00-0146 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	336.87	91.78
22 66 53 00-0147 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	419.50	100.10
22 66 53 00-0148 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	464.91	102.67
22 66 53 00-0149 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	519.82	107.40
22 66 53 00-0150 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees (22 66 53 00-0102)		
22 66 53 00-0151 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	233.69	73.44
22 66 53 00-0152 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	281.20	81.22
22 66 53 00-0153 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	382.94	97.21
22 66 53 00-0154 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees (22 66 53 00-0102)		
22 66 53 00-0155 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	221.16	70.40
22 66 53 00-0156 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	275.31	78.63
22 66 53 00-0157 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	331.36	89.38
22 66 53 00-0158 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	355.21	92.03
22 66 53 00-0159 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes (22 66 53 00-0102)		
22 66 53 00-0160 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	203.96	73.57
22 66 53 00-0161 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	279.53	81.41
22 66 53 00-0162 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	356.93	97.15
22 66 53 00-0163 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	595.34	115.25
22 66 53 00-0164 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	2,248.66	187.64
22 66 53 00-0165 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes (22 66 53 00-0102)		
22 66 53 00-0166 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	209.20	70.40
22 66 53 00-0167 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	224.93	75.58
22 66 53 00-0168 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	237.57	78.69
22 66 53 00-0169 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	265.07	86.39
22 66 53 00-0170 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	275.33	89.24

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0171 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	329.30	92.03
22 66 53 00-0172 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	441.29	100.22
22 66 53 00-0173 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	522.71	102.67
22 66 53 00-0174 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	545.73	107.40
22 66 53 00-0175 EA 8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,325.25	151.37
22 66 53 00-0176 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,430.41	156.38
22 66 53 00-0177 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,747.32	164.38
22 66 53 00-0178 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0102)</small>		
22 66 53 00-0179 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	241.62	73.44
22 66 53 00-0180 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	287.18	81.22
22 66 53 00-0181 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	422.80	97.21
22 66 53 00-0182 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	647.38	115.37
22 66 53 00-0183 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0102)</small>		
22 66 53 00-0184 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	201.23	70.40
22 66 53 00-0185 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	232.91	75.58
22 66 53 00-0186 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	257.37	78.63
22 66 53 00-0187 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	279.02	86.39
22 66 53 00-0188 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	321.40	89.38
22 66 53 00-0189 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	363.15	91.97
22 66 53 00-0190 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	467.16	100.22
22 66 53 00-0191 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	580.56	102.73
22 66 53 00-0192 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	635.68	107.58
22 66 53 00-0193 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers <small>(22 66 53 00-0102)</small>		
22 66 53 00-0194 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	125.12	46.25
22 66 53 00-0195 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	136.96	48.83
22 66 53 00-0196 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	152.81	51.42
22 66 53 00-0197 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	242.95	57.00
22 66 53 00-0198 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	254.82	59.65
22 66 53 00-0199 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	275.70	64.22
22 66 53 00-0200 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	356.80	69.13
22 66 53 00-0201 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	517.39	93.85
22 66 53 00-0202 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	551.24	101.79
22 66 53 00-0203 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers <small>(22 66 53 00-0102)</small>		
22 66 53 00-0204 EA 2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	333.33	107.96
22 66 53 00-0205 EA 2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	436.98	107.96
22 66 53 00-0206 EA 3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	446.28	107.96
22 66 53 00-0207 EA 4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	503.70	143.22
22 66 53 00-0208 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps <small>(22 66 53 00- 0102)</small>		
22 66 53 00-0209 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	364.60	49.09
22 66 53 00-0210 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	439.75	54.01
22 66 53 00-0211 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	535.47	64.64
22 66 53 00-0212 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	1,568.49	76.98
22 66 53 00-0213 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs <small>(22 66 53 00-0102)</small>		
22 66 53 00-0214 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	183.22	49.09
22 66 53 00-0215 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	230.45	54.01
22 66 53 00-0216 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	316.21	64.64
22 66 53 00-0217 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	406.09	76.98
22 66 53 00-0218 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	786.93	107.40
22 66 53 00-0219 Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0093)</small>		
Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0220 LB Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	1.55	
22 66 53 00-0221 LB Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	36.54	
22 66 53 00-0222 Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small>		
Note: ASTM A518.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0223				Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe <small>(22 66 53 00-0222)</small>		
			LF	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	48.63	4.34
			LF	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	55.34	4.79
			LF	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	76.29	6.02
			LF	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	96.16	7.00
22 66 53 00-0228				Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings <small>(22 66 53 00-0222)</small>		
22 66 53 00-0229				Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps <small>(22 66 53 00-0228)</small>		
			EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	181.14	34.39
			EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	195.82	38.85
			EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	267.56	42.88
			EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	322.89	51.81
22 66 53 00-0234				Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends <small>(22 66 53 00-0228)</small>		
			EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	103.40	34.39
			EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	123.46	38.47
			EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	158.16	43.00
			EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	206.69	51.42
			EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	120.25	36.33
22 66 53 00-0240				Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends <small>(22 66 53 00-0228)</small>		
			EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	103.40	34.39
			EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	123.46	38.47
			EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	158.16	43.00
			EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	206.69	51.42
22 66 53 00-0245				Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends <small>(22 66 53 00-0228)</small>		
			EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	121.34	34.39
			EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	151.36	38.47
			EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	231.91	43.00
			EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	260.51	51.42
22 66 53 00-0250				Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends <small>(22 66 53 00-0228)</small>		
			EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	117.36	34.39
			EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	139.40	38.47
			EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	213.97	43.00
			EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	242.57	51.42
22 66 53 00-0255				Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends <small>(22 66 53 00-0228)</small>		
			EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend.....	177.25	51.75
22 66 53 00-0257				Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees <small>(22 66 53 00-0228)</small>		
			EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	145.36	51.75
			EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	179.08	58.29
			EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	234.92	64.96
			EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	353.77	77.78
22 66 53 00-0262				Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees <small>(22 66 53 00-0228)</small>		
			EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	167.82	56.09
			EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	204.28	60.49
			EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee.....	217.44	62.62
			EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	233.13	69.11
			EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	256.03	71.04
			EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	277.20	73.18
22 66 53 00-0269				Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes <small>(22 66 53 00-0228)</small>		
			EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	145.61	51.94
			EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	171.11	58.29
			EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	226.95	64.96
			EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	353.77	77.78

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0274 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <small>(22 66 53 00-0228)</small>		
22 66 53 00-0275 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	162.28	56.41
22 66 53 00-0276 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	198.28	60.42
22 66 53 00-0277 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	207.77	62.82
22 66 53 00-0278 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	233.45	69.30
22 66 53 00-0279 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	256.61	71.44
22 66 53 00-0280 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	271.49	73.38
22 66 53 00-0281 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes <small>(22 66 53 00-0228)</small>		
22 66 53 00-0282 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	217.33	69.17
22 66 53 00-0283 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	276.12	77.85
22 66 53 00-0284 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	352.36	86.14
22 66 53 00-0285 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	458.24	103.55
22 66 53 00-0286 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	239.42	73.25
22 66 53 00-0287 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	267.80	77.59
22 66 53 00-0288 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	318.12	81.86
22 66 53 00-0289 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	351.17	90.67
22 66 53 00-0290 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	421.85	95.26
22 66 53 00-0291 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses <small>(22 66 53 00-0228)</small>		
22 66 53 00-0292 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	241.19	69.17
22 66 53 00-0293 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	283.94	77.72
22 66 53 00-0294 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	404.92	86.59
22 66 53 00-0295 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	564.05	103.69
22 66 53 00-0296 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	259.31	73.25
22 66 53 00-0297 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	337.54	77.59
22 66 53 00-0298 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	355.94	81.86
22 66 53 00-0299 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	381.03	90.61
22 66 53 00-0300 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	483.14	94.88
22 66 53 00-0301 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0228)</small>		
22 66 53 00-0302 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	161.05	51.55
22 66 53 00-0303 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	187.05	58.29
22 66 53 00-0304 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	226.95	64.96
22 66 53 00-0305 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	375.69	77.78
22 66 53 00-0306 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0228)</small>		
22 66 53 00-0307 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	177.83	56.15
22 66 53 00-0308 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	198.54	60.62
22 66 53 00-0309 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	215.74	62.82
22 66 53 00-0310 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	291.26	69.30
22 66 53 00-0311 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	298.47	71.44
22 66 53 00-0312 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	333.28	73.38
22 66 53 00-0313 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0228)</small>		
22 66 53 00-0314 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	255.00	69.04
22 66 53 00-0315 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	319.77	77.65
22 66 53 00-0316 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	458.27	86.33
22 66 53 00-0317 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	550.42	103.89
22 66 53 00-0318 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0228)</small>		
22 66 53 00-0319 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	277.25	73.25
22 66 53 00-0320 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	331.54	77.53
22 66 53 00-0321 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	345.97	81.86
22 66 53 00-0322 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	385.02	90.61
22 66 53 00-0323 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	483.14	94.88



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0324		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers <small>(22 66 53 00-0228)</small>		
	22 66 53 00-0325	EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	120.80	36.73
	22 66 53 00-0326	EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	136.00	38.85
	22 66 53 00-0327	EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	159.66	45.34
	22 66 53 00-0328	EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	188.15	43.07
	22 66 53 00-0329	EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	199.35	45.21
	22 66 53 00-0330	EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	210.56	47.35
22 66 53 00-0331		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees <small>(22 66 53 00-0228)</small>		
	22 66 53 00-0332	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	111.11	30.24
	22 66 53 00-0333	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	129.02	34.20
	22 66 53 00-0334	EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	151.70	38.73
	22 66 53 00-0335	EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	274.02	47.15
22 66 53 00-0336		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs <small>(22 66 53 00-0228)</small>		
	22 66 53 00-0337	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	49.71	17.22
	22 66 53 00-0338	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	58.74	19.23
	22 66 53 00-0339	EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	64.13	21.50
	22 66 53 00-0340	EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	82.42	25.71
22 66 53 00-0341		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps <small>(22 66 53 00-0228)</small>		
	22 66 53 00-0342	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	200.77	34.20
	22 66 53 00-0343	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	207.17	38.47
	22 66 53 00-0344	EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	255.83	43.00
	22 66 53 00-0345	EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	326.29	51.42
	22 66 53 00-0346	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	278.35	36.79
	22 66 53 00-0347	EA 2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	382.50	41.06
	22 66 53 00-0348	EA 3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	462.61	45.34
	22 66 53 00-0349	EA 4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	575.28	54.01
22 66 53 00-0350		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps <small>(22 66 53 00-0228)</small>		
	22 66 53 00-0351	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	371.46	39.06
	22 66 53 00-0352	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	585.01	43.20
	22 66 53 00-0353	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	387.18	38.85
	22 66 53 00-0354	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	585.01	43.20
22 66 53 00-0355		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps <small>(22 66 53 00-0228)</small>		
	22 66 53 00-0356	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	345.32	38.85
	22 66 53 00-0357	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	405.62	43.20
	22 66 53 00-0358	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap	399.14	38.85
	22 66 53 00-0359	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	874.03	43.20
	22 66 53 00-0360	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	521.23	43.20
22 66 53 00-0361		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends <small>(22 66 53 00-0228)</small>		
	22 66 53 00-0362	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	145.49	34.59
	22 66 53 00-0363	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	189.84	38.85
22 66 53 00-0364		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters <small>(22 66 53 00-0228)</small>		
	22 66 53 00-0365	EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	74.73	25.91
	22 66 53 00-0366	EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	135.78	28.10
	22 66 53 00-0367	EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	100.40	32.38
22 66 53 00-0368		Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter <small>(22 66 53 00-0228)</small>		
	22 66 53 00-0369	EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	139.00	36.85
	22 66 53 00-0370	EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	151.94	38.85
	22 66 53 00-0371	EA 1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	169.13	40.99
	22 66 53 00-0372	EA 1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	181.42	45.21
	22 66 53 00-0373	EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	169.16	41.06
	22 66 53 00-0374	EA 2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	178.35	43.20
	22 66 53 00-0375	EA 2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	192.62	47.35
	22 66 53 00-0376	EA 3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	217.49	45.34
	22 66 53 00-0377	EA 4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	268.33	54.01

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0378 Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings (22 66 53 00-0228)		
22 66 53 00-0379 EA 1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	47.84	
22 66 53 00-0380 EA 2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	55.81	
22 66 53 00-0381 EA 3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	59.80	
22 66 53 00-0382 EA 4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	65.78	
22 66 53 00-0383 Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings (22 66 53 00-0228)		
22 66 53 00-0384 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet.....	354.80	17.29
22 66 53 00-0385 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper.....	134.54	8.61
22 66 53 00-0386 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow.....	250.15	8.61
22 66 53 00-0387 Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates (22 66 53 00-0228)		
22 66 53 00-0388 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer.....	1,273.66	86.39
22 66 53 00-0389 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer.....	1,571.14	90.74
22 66 53 00-0390 EA Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain.....	1,053.42	8.61
22 66 83 Chemical-Waste Tanks (22 66)		
22 66 83 16 Chemical-Waste Neutralization Tanks (22 66 83)		
22 66 83 16-0001 Acid Neutralization Tank (22 66 83 16)		
22 66 83 16-0002 Polyethylene Acid Neutralization Tank (22 66 83 16-0001)		
22 66 83 16-0003 EA 5 Gallon Capacity Polyethylene Acid Neutralization Tank.....	313.05	131.91
22 66 83 16-0004 EA 15 Gallon Capacity Polyethylene Acid Neutralization Tank.....	560.58	182.91
22 66 83 16-0005 EA 30 Gallon Capacity Polyethylene Acid Neutralization Tank.....	701.55	263.81
22 66 83 16-0006 EA 55 Gallon Capacity Polyethylene Acid Neutralization Tank.....	902.21	351.74
22 66 83 16-0007 EA 100 Gallon Capacity Polyethylene Acid Neutralization Tank.....	1,154.94	422.09
22 66 83 16-0008 EA 150 Gallon Capacity Polyethylene Acid Neutralization Tank.....	1,573.42	527.61
22 66 83 16-0009 EA 200 Gallon Capacity Polyethylene Acid Neutralization Tank.....	1,822.46	659.52
22 66 83 16-0010 EA 275 Gallon Capacity Polyethylene Acid Neutralization Tank.....	2,358.42	791.42
22 66 83 16-0011 EA 350 Gallon Capacity Polyethylene Acid Neutralization Tank.....	2,683.77	949.70
22 66 83 16-0012 Polypropylene Acid Neutralization Tank (22 66 83 16-0001)		
22 66 83 16-0013 EA 5 Gallon Capacity Polypropylene Acid Neutralization Tank.....	505.10	131.91
22 66 83 16-0014 EA 15 Gallon Capacity Polypropylene Acid Neutralization Tank.....	864.66	182.91
22 66 83 16-0015 EA 30 Gallon Capacity Polypropylene Acid Neutralization Tank.....	1,380.71	263.81
22 66 83 16-0016 EA 55 Gallon Capacity Polypropylene Acid Neutralization Tank.....	1,820.10	351.74
22 66 83 16-0017 EA 100 Gallon Capacity Polypropylene Acid Neutralization Tank.....	2,300.24	422.09
22 66 83 16-0018 EA 150 Gallon Capacity Polypropylene Acid Neutralization Tank.....	2,609.11	527.61
22 66 83 16-0019 EA 200 Gallon Capacity Polypropylene Acid Neutralization Tank.....	2,853.58	659.52
22 66 83 16-0020 EA 275 Gallon Capacity Polypropylene Acid Neutralization Tank.....	4,158.88	791.42
22 66 83 16-0021 EA 350 Gallon Capacity Polypropylene Acid Neutralization Tank.....	4,508.24	949.70
22 66 83 16-0022 Chemical Dilution Trap (22 66 83 16)		
22 66 83 16-0023 EA 1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap..... Note: 1-1/2" top inlet and side outlet with anti siphon.	274.23	43.96
22 66 83 16-0024 EA 1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap..... Note: 1-1/2" top inlet and side outlet with anti siphon.	282.71	43.96
22 66 83 16-0025 EA 2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap..... Note: 1-1/2" top inlet and side outlet with anti siphon.	291.19	43.96
22 66 83 16-0026 EA 5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap..... Note: 1-1/2" top inlet and side outlet with anti siphon.	320.00	52.76

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Building knowledge

Job Order Contract Construction Task Catalog®

Book 2 of 2 CSI Divisions 23 - 43 December 2016

County of Los Angeles
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CTC Information:

- ☑ This Construction Task Catalog® was developed and customized by The Gordian Group, Inc. specifically for **County of Los Angeles Internal Services Department**, priced locally using current labor, material and equipment costs, and published in December 2016.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **County of Los Angeles Internal Services Department**. Use of The Gordian Group's CTC and other proprietary information and software for any other purpose or any other entity is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

- ☑ The tasks in this Construction Task Catalog are organized using CSI's *MasterFormat*.



The Unit Prices Include:

LABOR COSTS:

- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 1/2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the task; disposal of excess material; and time for lunch and breaks.
- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and excludes an allowance for Social Security and Medicare taxes,

worker's compensation, unemployment insurance and employee benefits.

- ☑ Labor costs are based on workers familiar with and skilled in the performance of the task following OSHA requirements.

EQUIPMENT COSTS:

- ☑ Equipment costs include all equipment required to accomplish the task. Mobilization is included for all equipment except large equipment (e.g. cranes, pile drivers, bulldozers, excavators, backhoes, bobcats etc.), which exclude mobilization.
- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

MATERIAL COSTS:

- ☑ Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- ☑ Material costs include manufacturer's and/or fabricator's shop drawings.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.

Complete and In-Place Construction:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than

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- 2 ½ stories, the contractor will be paid for such crane or lifting equipment as a separate task.
- ☑ Unit prices for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.
 - ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) that are required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or relocating or reinstalling existing material and equipment.
 - ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the task description states otherwise.
 - ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, flashing, pitch pockets, skylights, curbs, roofing, etc. include sealant and caulking.
 - ☑ Unit prices include testing, calibration, balancing and the like required to ensure proper installation, construction and performance (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing, others as required). Use of owner supplied materials, equipment or tying into existing equipment/piping may justify testing, balancing, etc.

Demolition:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 ½ stories into a truck, dumpster, or to an owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).

- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The description "replace" includes the demolition of the existing item and the installation of the new item.
- ☑ The descriptions "remove and relocate" or "remove and reinstall" includes the removal, cleaning of item and installation of the existing item in either the same location or another location.
- ☑ The description "reinstall" includes the cleaning and installation of the existing item.
- ☑ Salvageable materials remain the property of the Owner and shall be turned over as directed when specified in the Job Order.

The Adjustment Factors Include:

BUSINESS COSTS:

- ☑ Overhead costs, including, unless specifically excluded in the Contract Documents, but not limited to;
 - home office overhead
 - insurance, bonds, and indemnification
 - project meetings, training, management and supervision
 - mobilization and close-out for the contract and each Job Order and
 - project office staff and equipment.
- ☑ Profit.
- ☑ Subcontractor's overhead and profit.

- All taxes for which a waiver is not available including material sales tax and equipment rental.
- Employee or Subcontractor's wage rates that exceed the prevailing wage rates.
- Fringe benefits that exceed the labor rate allowances.
- Payroll taxes, worker's compensation, insurance costs and any other payment mandated by law in connection with labor.
- Cost of financing the work.
- Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.

CONSTRUCTION RELATED COSTS:

- Services required to obtain filings and permits.
- Preparation and modification of proposals, sketches, drawings, submittals, as-built drawings, CADD drawings, microfilm, and other project records.
- Incidental engineering and architectural services.
- Office trailer and portable toilets for Contractor's use.
- Construction vehicles such as pick-up trucks, utility trucks, vans, flat bed trucks, tractors, trailers, etc.
- Storage devices or items such as gang boxes and containers for Contractor's tools, equipment and materials.
- Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- Meeting Owner security requirements.
- Excess waste including roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, siding, concrete, etc. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.

- Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, wall or ceiling attached or fastened devices or furnishings, safes or other furniture requiring disassembly).
- Sealing, windows, and openings with plastic to contain construction dust and debris within the work area.
- Daily clean-up.
- Final professional project clean-up.
- Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- Costs resulting from productivity loss.
- Working in extreme temperatures (below or above normal) or adverse conditions such as excessive rain, wind, sleet or snow.
- Differences in project size; complexity and location.
- All costs for other than discreet items of work specifically required to complete a particular Job Order.

PRICE VARIATIONS:

- Contractors may find differences in labor, equipment and material costs due to certain economic factors. Variations in labor cost can also result from labor efficiency, labor restrictions, working conditions and local work rules. Variations in material costs can also result from the quantity of material purchased, the existing relationship with suppliers, and because the materials have been discontinued or have become obsolete.
- While diligent effort is made to provide accurate and reliable up-to-date pricing, it is the responsibility of the Contractor to review and analyze the unit prices, and to calculate their Adjustment Factors accordingly, prior to bidding.

GENERAL COSTS:

- This list is not exhaustive and is intended to provide general examples of cost items to be included in the

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Contractor's Adjustment Factor as defined in the Contract.

- The only compensation to be paid to a Contractor for the unit price tasks will be:

Published Unit Price	X	Installation (or Demolition) Quantity	X	Appropriate Adjustment Factor
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- No additional payments of any kind whatsoever will be made. All costs not included in the unit prices must be part of the Adjustment Factors.

General Interpretations:

WORKING HEIGHT:

- Typical working height for work other than masonry is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.
- Typical working height for masonry work is up to 4' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for masonry work below 4'.

FIELD ENGINEERING:

- Surveying tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical controls. If the Owner provides horizontal and vertical control points within or adjacent to the project site, any other surveying required to complete the work is considered construction staking or layout and the cost thereof is included in the appropriate task.

ASSEMBLIES:

- Assembly unit prices take precedence over individual component pricing.

TESTING:

- Contractor will be paid for testing existing material, as required by the technical specifications and as directed by the Owner (record tests) at the unit price for the appropriate task. The cost of process quality control testing routinely performed by the Contractor is included in the unit prices for the individual tasks.

MISCELLANEOUS:

- For the purpose of calculating the quantity of a task, quantities are calculated on a per project basis. The quantity so determined shall be used for the task and all appropriate modifiers, unless the task states otherwise.
- Whenever there are alternative tasks that may be selected to complete work the Contractor shall select the most practical and economical tasks available (e.g. rental of equipment by weeks or months rather than days or painting by roller or spray rather than brush).
- Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories tasks and for certain electrical conduit and conduit accessories tasks. Only those tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated tasks. A non pre-priced task will not be allowed because of Restricted Working Space for any CTC task.
- Confined Working Space is defined according to the OSHA definition 29 CFR 1926.21(b)(6)(i): "Any space having limited means of egress, which is subject to accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, including, but not limited to, storage

tanks, process vessels, bins, boilers, ventilation and exhaust duct, sewers, underground vaults, tunnels, pipelines and open top spaces more than 4 feet in depth such as pits and tubs." The Contractor shall conform to all OSHA and Owner requirements for working in Confined Working Spaces. Required ventilation and air monitoring equipment tasks shall be priced from the CTC.

- ☑ Whenever a material, article or piece of equipment is identified in the CTC or in the specifications by reference to manufacturers' or vendors' names, trade names, catalogue numbers, or make, the identification is intended to establish a standard. Any material, article or equipment of another manufacturer or vendor which performs satisfactorily the duties imposed by the general design may be considered equally acceptable provided that, in the opinion of the Owner, the material, article or equipment so proposed is of equal quality, substance and function. The Contractor shall not provide, furnish or install any proposed material, article or equipment without the prior written approval of the Owner. The burden of proof and all costs related thereto concerning the "or equal" nature of the substitute item, whether approved or disapproved, shall be borne by the Contractor.

SPECIFICATIONS:

- ☑ Specifications for tasks shall be interpreted as follows: All labor, material, equipment, spare parts, services, and work required by a specification shall be considered part of the unit price, unless the task description or technical specifications state otherwise.

Useful Information:

UNIT OF MEASURE DEFINITIONS:

ACR – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted

Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Hundred Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** - Ground Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** - Loose (Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT** – Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM** - Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLF** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

MATERIAL WEIGHTS:

EARTHEN MATERIAL

- ☑ The following engineering values for establishing shrink/swell factors shall be used unless otherwise directed by the Owner.

Material	Material Weight (Lbs Per CY)		
	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240

Using The Construction Task Catalog®

Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170
Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

1 Square Foot = 144 Square Inches = .0929 Square Meters

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

BULK FACTORS FOR DEMOLITION:

The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.

- **Asphalt** = 1.25
- **Concrete** = 1.40

CONVERSIONS:

1 Acre = 43,560 Square Feet = 4046.8 Square Meters

1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

Sheet Metal Thickness (inches)				
Gage No.	Steel Sheet	Galvanized Steel Sheet	Stainless Steel Sheet	Aluminum Sheet
10	.135	.138	.141	
11	.120	.123	.125	
12	.105	.108	.109	
13	.090	.093	.094	.072
14	.075	.079	.078	.064
15	.067	.071	.070	.057
16	.060	.064	.063	.051
17	.054	.058	.056	.045
18	.048	.052	.050	.040
19	.042	.046	.044	.036
20	.036	.040	.038	.032
21	.033	.037	.034	.028
22	.030	.034	.031	.025
23	.027	.031	.028	.023
24	.024	.028	.025	.020
25	.021	.025	.022	.018
26	.018	.022	.019	.017

STANDARD GEOMETRY:

Circle

- Circumference = 2 π radius = π diameter
- Area = π radius² = π (diameter² / 4)

Cylinder

- Volume = (π radius²)height
- Surface Area = 2 π radius²+(2 π radius)height

Sphere

- Volume = $(4 \pi \text{ radius}^3) / 3$
- Surface Area = $4 \pi \text{ radius}^2$

$\pi = 3.14159$

United Inch

- The industry standard for measuring windows is the United Inch or UI. The UI is determined by adding the width and the height in inches.

TRADEMARKS

- Gordian JOC Solution, JOC Complete Solution, JOC Complete Solution Plus, PROGEN, eGordian, ezIQc, Construction Task Catalog, Catalog of Construction Tasks, DMAP, The Standard for Job Order Contracting and 6 Phase Development and Implementation Process are either registered trademarks or trademarks of The Gordian Group, Inc. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 Heating, Ventilating, And Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

23 01 Operation and Maintenance of HVAC Systems ⁽²³⁾

23 01 10 Operation and Maintenance of Facility Fuel Systems ^(23 01)

23 01 10 91 Facility Fuel Systems Restoration ^(23 01 10)

23 01 10 91-0001 AQMD Permit Costs ^(23 01 10 91)

23 01 10 91-0002	EA	Processing Fee - 5 To 20 Million	4,887.05
23 01 10 91-0003	EA	Processing Fee - 5 To 20 Million, Duplicate (Same Model Number)	2,443.53
23 01 10 91-0004	EA	Permit To Operate - 5 To 20 Million, (Annual Fee)	967.76
23 01 10 91-0005	EA	Processing Fee - 2 To 5 Million	1,898.09
23 01 10 91-0006	EA	Processing Fee - 2 To 5 Million, Duplicate (Same Model Number)	949.04
23 01 10 91-0007	EA	Permit To Operate - 2 To 5 Million, (Annual Fee)	287.56

23 01 10 91-0008 Purge Gas Systems ^(23 01 10 91)

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0009	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	324.95
23 01 10 91-0010	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	464.11
23 01 10 91-0011	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	487.23
23 01 10 91-0012	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	537.26
23 01 10 91-0013	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	972.99
23 01 10 91-0014	EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems	436.66
23 01 10 91-0015	EA	>100' To 250', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems	627.23
23 01 10 91-0016	EA	>250' To 500', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems	663.41
23 01 10 91-0017	EA	>500' To 1,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems	741.30
23 01 10 91-0018	EA	>1,000' To 2,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems	1,347.26
23 01 10 91-0019	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems	516.27
23 01 10 91-0020	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems	758.59
23 01 10 91-0021	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems	1,723.11
23 01 10 91-0022	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems	2,689.44
23 01 10 91-0023	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems	5,053.13

23 01 20 Operation and Maintenance of HVAC Piping and Pumps ^(23 01)

23 01 20 91 HVAC Piping And Pumps Restoration ^(23 01 20)

23 01 20 91-0001 Lock Out/Tag Out System ^(23 01 20 91)

23 01 20 91-0002	EA	Up To 1", Lock Out/Tag Out Valve	17.59
23 01 20 91-0003	EA	>1" To 3", Lock Out/Tag Out Valve	21.10
23 01 20 91-0004	EA	>3" To 6", Lock Out/Tag Out Valve	24.62
23 01 20 91-0005	EA	>6" To 10", Lock Out/Tag Out Valve	28.14
23 01 20 91-0006	EA	>10" To 14", Lock Out/Tag Out Valve	35.17
23 01 20 91-0007	EA	Lock Out/Tag Out Padlock System	14.07
23 01 20 91-0008	EA	Lock Out/Tag Out Tag	2.46

23 01 20 91-0009 Freeze Pipe Using CO2 Kit ^(23 01 20 91)

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010	EA	Up To 2" Freeze Pipe Using CO2 Kit	108.88
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23 01 20 91-0011 Freeze Pipe Using Nitrogen ^(23 01 20 91)

Note: For use on any water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 4" Pipe Freezing Using Nitrogen	980.38
Note: For each location. Includes freezing on each side of valve or fitting.			
23 01 20 91-0013	EA	>4" To 12" Pipe Freezing Using Nitrogen	1,960.76
Note: For each location. Includes freezing on each side of valve or fitting.			

23 01 20 91-0014 Water/Chlorine Pipe Disinfection/Flush/Testing ^(23 01 20 91)

Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".

23 01 20 91-0015	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing	1.17
23 01 20 91-0016	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing	1.61
23 01 20 91-0017	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing	2.49
23 01 20 91-0018	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing	3.44
23 01 20 91-0019	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing	4.25
23 01 20 91-0020	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing	5.37
23 01 20 91-0021	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing	7.08
23 01 20 91-0022	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing	8.49

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 20 Operation and Maintenance of HVAC Piping and Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 01 20 91-0023	Shut Down Existing Piping System <small>(23 01 20 91)</small>		
23 01 20 91-0024	EA Shut Down Existing Interior Piping System.....	144.53	
	Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.		

23 01 20 91-0025	Purge Liquid Systems <small>(23 01 20 91)</small>		
	Note: Includes collection and refilling/bleeding of system.		
23 01 20 91-0026	EA Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System.....	231.58	
23 01 20 91-0027	EA >100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System.....	330.74	
23 01 20 91-0028	EA >250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System.....	396.29	
23 01 20 91-0029	EA >500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System.....	418.94	
23 01 20 91-0030	EA >1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System.....	799.78	
23 01 20 91-0031	EA Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	308.25	
23 01 20 91-0032	EA >100 To 250', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	439.88	
23 01 20 91-0033	EA >250 To 500', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	523.67	
23 01 20 91-0034	EA >500 To 1,000', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	556.81	
23 01 20 91-0035	EA >1,000 To 2,000', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	1,072.87	
23 01 20 91-0036	EA Up To 100', >4" To 10" Diameter Pipe, Purge Liquid System.....	380.03	
23 01 20 91-0037	EA >100 To 250', >4" To 10" Diameter Pipe, Purge Liquid System.....	543.06	
23 01 20 91-0038	EA >250 To 500', >4" To 10" Diameter Pipe, Purge Liquid System.....	1,471.08	
23 01 20 91-0039	EA >1,000 To 2,000', >4" To 10" Diameter Pipe, Purge Liquid System.....	2,334.53	

23 01 20 91-0040	Add-A-Valve Emergency Shut Off Device <small>(23 01 20 91)</small>		
23 01 20 91-0041	EA 1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD).....	201.01	
23 01 20 91-0042	EA 3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD).....	252.93	
23 01 20 91-0043	EA 1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD).....	349.77	
23 01 20 91-0044	EA 1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD).....	533.64	
23 01 20 91-0045	EA 1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD).....	658.38	
23 01 20 91-0046	EA 2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD).....	992.28	

23 01 30 Operation and Maintenance of HVAC Air Distribution (23 01)**23 01 30 51 HVAC Air-Distribution System Cleaning** (23 01 30)

23 01 30 51-0001	Special Cleaning Of Ductwork <small>(23 01 30 51)</small>		
	Note: Includes sealing registers, grilles, diffusers as required.		
23 01 30 51-0002	LF Up To 2 SF Cross Section, Clean Supply/Return Ductwork.....	2.17	
	<i>For Exhaust Ductwork, Add</i>	0.54	
23 01 30 51-0003	LF >2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork.....	2.71	
	<i>For Exhaust Ductwork, Add</i>	0.68	
23 01 30 51-0004	LF >4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork.....	3.64	
	<i>For Exhaust Ductwork, Add</i>	0.91	
23 01 30 51-0005	LF >8 SF Cross Section, Clean Supply/Return Ductwork.....	5.16	
	<i>For Exhaust Ductwork, Add</i>	1.29	
23 01 30 51-0006	SF Clean Duct Dampers.....	7.30	
23 01 30 51-0007	SF Clean Duct Fire Dampers.....	14.59	
23 01 30 51-0008	SF Clean Louver.....	5.84	
23 01 30 51-0009	EA Clean Turning Vane Set.....	17.52	
23 01 30 51-0010	EA Clean Grille/Diffuser/Register.....	17.52	
	Note: Includes removal and reinstallation.		
23 01 30 51-0011	LF Clean Linear Diffuser.....	4.37	
	Note: Includes removal and reinstallation.		
23 01 30 51-0012	EA Cut Access For Cleaning Duct And Install Duct Insulated Access Doors.....	61.89	
	<i>For Stainless Steel, Add</i>	45.00	
23 01 30 51-0013	EA Clean Variable Air Volume (VAV) Unit.....	52.54	
23 01 30 51-0014	EA Clean Fan Powered Induction Unit (PIU) Unit.....	70.06	
23 01 30 51-0015	EA Clean Fan Coil Unit (FCU) Unit.....	70.06	
23 01 30 51-0016	EA Clean Supply Or Return Fan.....	140.12	
23 01 30 51-0017	EA Clean Exhaust Fan.....	122.60	
23 01 30 51-0018	EA Clean Duct Coil.....	105.08	
23 01 30 51-0019	SF Clean Air Handling Unit Interior Housing, HEPA Vacuum.....	3.51	
	Note: Excluding fan and coils.		
23 01 30 51-0020	EA Clean Air Handling Unit Fan.....	140.12	
23 01 30 51-0021	EA Clean Air Handling Unit Coil.....	210.18	
23 01 30 51-0022	SF Clean Equipment Surfaces, Rust Reform And Prime.....	1.86	
23 01 30 51-0023	SF Clean Interior Equipment Surfaces, Rust Reform And Prime.....	2.21	
23 01 30 51-0024	SF HEPA Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms.....	0.40	
23 01 30 51-0025	EA Cleaning Of Ductwork Minimum Set-up Charge.....	499.19	
	Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
23 01 30 51-0026	SF Apply Antimicrobial Agent To Ductwork And Surfaces After Cleaning.....	0.28	

23 01 50 Operation and Maintenance of Central Heating Equipment (23 01)**23 01 50 61 Central Heating Equipment Repair** (23 01 50)**23 01 50 61-0001 Boiler Repairs** (23 01 50 61)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0002			Setup And Maintenance <small>(23 01 50 61-0001)</small>		
23 01 50 61-0003	EA		Set-up Charge For Boiler Fire Side Maintenance Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	1,517.65	
23 01 50 61-0004	EA		Close-up Charge For Boiler Fire Side Maintenance Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.	1,636.16	
			<i>For Burner Seals, Add</i> <i>Note: Used when burner must be removed from door for maintenance.</i>	551.77	
23 01 50 61-0005	EA		Setup Charge For Boiler Water Side Maintenance Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.	2,023.53	
23 01 50 61-0006	EA		Up To 100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	1,011.77	
23 01 50 61-0007	EA		>100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	2,023.53	
23 01 50 61-0008	EA		Removal And Replacement Of Handhole.....	63.24	
23 01 50 61-0009	EA		Removal And Replacement Of Manhole.....	189.70	
23 01 50 61-0010	SF		Sheet Metal Jacket Patch.....	8.16	
23 01 50 61-0011			Boiler Tube Replacement <small>(23 01 50 61-0001)</small>		
23 01 50 61-0012	EA		Removal Of Up To 2" Boiler Tube.....	151.76	
23 01 50 61-0013	EA		Removal Of >2" To 3" Boiler Tube.....	189.71	
23 01 50 61-0014	EA		Removal Of >3" To 4" Boiler Tube.....	265.58	
23 01 50 61-0015	LF		Place 1-1/2" Boiler Tube Into Position For Termination.....	4.83	
23 01 50 61-0016	LF		Place 2" Boiler Tube Into Position For Termination.....	5.59	
23 01 50 61-0017	LF		Place 2-1/2" Boiler Tube Into Position For Termination.....	6.37	
23 01 50 61-0018	LF		Place 3" Boiler Tube Into Position For Termination.....	8.96	
23 01 50 61-0019	LF		Place 3-1/2" Boiler Tube Into Position For Termination.....	10.44	
23 01 50 61-0020	LF		Place 4" Boiler Tube Into Position For Termination.....	13.26	
23 01 50 61-0021	EA		1-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	18.97	
23 01 50 61-0022	EA		2" Rolled Boiler Tube Termination (2 Per New Tube).....	28.46	
23 01 50 61-0023	EA		2-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	37.94	
23 01 50 61-0024	EA		3" Rolled Boiler Tube Termination (2 Per New Tube).....	47.43	
23 01 50 61-0025	EA		3-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	56.91	
23 01 50 61-0026	EA		4" Rolled Boiler Tube Termination (2 Per New Tube).....	66.40	
23 01 50 61-0027	EA		1-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	56.91	
23 01 50 61-0028	EA		2" Welded Boiler Tube Termination (2 Per New Tube).....	75.88	
23 01 50 61-0029	EA		2-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	94.85	
23 01 50 61-0030	EA		3" Welded Boiler Tube Termination (2 Per New Tube).....	113.82	
23 01 50 61-0031	EA		3-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	132.79	
23 01 50 61-0032	EA		4" Welded Boiler Tube Termination (2 Per New Tube).....	151.76	
23 01 50 61-0033	EA		Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced.....	205.05	
23 01 50 61-0034			Cast Iron Boiler Section Replacement <small>(23 01 50 61-0001)</small>		
23 01 50 61-0035	EA		Replace Front Section Of Weil McLain Model 80 Cast Iron Boiler.....	1,866.47	
23 01 50 61-0036	EA		Replace Rear Section Of Weil McLain Model 80 Cast Iron Boiler.....	1,337.48	
23 01 50 61-0037	EA		Replace Inside Section Of Weil McLain Model 80 Cast Iron Boiler.....	1,575.41	
23 01 50 61-0038	EA		Replace Front Section Of Weil McLain Model 88 Cast Iron Boiler.....	3,531.97	
23 01 50 61-0039	EA		Replace Rear Section Of Weil McLain Model 88 Cast Iron Boiler.....	2,705.00	
23 01 50 61-0040	EA		Replace Inside Section Of Weil McLain Model 88 Cast Iron Boiler.....	2,975.26	
23 01 50 61-0041	EA		Replace Front Section Of Weil McLain Model 94 Cast Iron Boiler.....	5,850.74	
23 01 50 61-0042	EA		Replace Rear Section Of Weil McLain Model 94 Cast Iron Boiler.....	4,709.50	
23 01 50 61-0043	EA		Replace Inside Section Of Weil McLain Model 94 Cast Iron Boiler.....	4,792.99	
23 01 50 61-0044			Cast Iron Grate Replacement <small>(23 01 50 61-0001)</small>		
23 01 50 61-0045	SF		Replace Cast Iron Boiler Grates, Prepared From Casting Mold Note: Includes support, linkages and removal of existing.	99.03	
23 01 50 61-0046	EA		Prepare Cast Iron Boiler Grate Mold..... Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.	1,544.88	
23 01 50 61-0047			Replacement Or Conversion Of Boiler Burners <small>(23 01 50 61-0001)</small>		
23 01 50 61-0048	EA		700 MBH Max Input Burner With 2" Boiler Connection, Screwed..... <i>For 12 PPM Burner, Add</i>	5,529.09 880.24	690.58
23 01 50 61-0049	EA		2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed..... <i>For 12 PPM Burner, Add</i>	7,952.22 1,311.16	854.98
23 01 50 61-0050	EA		2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed..... <i>For 12 PPM Burner, Add</i>	9,397.75 1,541.18	1,035.80
23 01 50 61-0051	EA		3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged..... <i>For 12 PPM Burner, Add</i>	11,065.79 1,849.09	1,114.51
23 01 50 61-0052			Video Inspection Of Boiler Tubing <small>(23 01 50 61-0001)</small>		
23 01 50 61-0053	EA		Initial Set Up For Boiler Tubing Video Camera Inspection.....	294.20	
23 01 50 61-0054	LF		Boiler Tubing Inspection.....	0.36	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 50 Operation and Maintenance of Central Heating Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 01 50 61-0055	Boiler And Chiller Water Treatment <small>(23 01 50 61)</small>		
	Note: 3 LB chemical per 50 gallon system water.		
23 01 50 61-0056	LB	Boil Out Boiler And System With Caustic Soda	0.85
	Note: Includes disposal after treatment.		
23 01 50 61-0057	LB	Boil Out Boiler And System With Trisodium Phosphate.....	1.27
	Note: Includes disposal after treatment.		
23 01 50 61-0058	GAL	Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required.....	79.33

23 01 60 Operation and Maintenance of Central Cooling Equipment (23 01)**23 01 60 71 Refrigerant Recovery/Recycling** (23 01 60)

23 01 60 71-0001	Refrigerant Recovery, Reclaim And Recycling <small>(23 01 60 71)</small>		
23 01 60 71-0002	LB	Recovery Of Refrigerant	5.52
23 01 60 71-0003	LB	Recovery And Recharging Of Refrigerant.....	10.34
	Note: Includes cleaning refrigerant gas prior to recharging.		

23 05 Common Work Results For HVAC (23)**23 05 13 Common Motor Requirements For HVAC Equipment** (23 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001	Premium Efficient, Motors <small>(23 05 13)</small>		
	Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation.		
23 05 13 00-0002	Premium Efficient, Open Drip Proof Motors <small>(23 05 13 00-0001)</small>		
	Note: NEMA premium efficiency, open drip proof, three phase AC motors.		
23 05 13 00-0003	Steel Frame, Premium Efficient, Open Drip Proof Motors <small>(23 05 13 00-0002)</small>		
23 05 13 00-0004	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	362.71
23 05 13 00-0005	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	410.71
23 05 13 00-0006	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	481.52
23 05 13 00-0007	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	404.42
23 05 13 00-0008	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	429.59
23 05 13 00-0009	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	563.35
23 05 13 00-0010	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	475.23
23 05 13 00-0011	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	460.28
23 05 13 00-0012	EA	2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	575.94
23 05 13 00-0013	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	481.52
23 05 13 00-0014	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	496.47
23 05 13 00-0015	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	733.30
23 05 13 00-0016	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	525.58
23 05 13 00-0017	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	543.68
23 05 13 00-0018	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	960.68
23 05 13 00-0019	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	834.01
23 05 13 00-0020	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	799.39
23 05 13 00-0021	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,151.88
23 05 13 00-0022	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	953.60
23 05 13 00-0023	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	967.76
23 05 13 00-0024	EA	10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,498.85
23 05 13 00-0025	EA	15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,354.87
23 05 13 00-0026	EA	15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,370.61
23 05 13 00-0027	EA	15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,021.29
23 05 13 00-0028	EA	20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,591.70
23 05 13 00-0029	EA	20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,720.73
23 05 13 00-0030	EA	20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,460.32
23 05 13 00-0031	EA	25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,911.14
23 05 13 00-0032	EA	25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,097.61
23 05 13 00-0033	EA	25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,971.74
23 05 13 00-0034	EA	30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,254.97
23 05 13 00-0035	EA	30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,293.52
23 05 13 00-0036	EA	30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,099.99
23 05 13 00-0037	EA	40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,905.65
23 05 13 00-0038	EA	40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,992.20
23 05 13 00-0039	EA	50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,164.51
23 05 13 00-0040	EA	50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,302.20
23 05 13 00-0041	EA	60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,004.03
23 05 13 00-0042	EA	60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,157.45
23 05 13 00-0043	EA	75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,252.68
23 05 13 00-0044	EA	75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,103.18
23 05 13 00-0045	EA	100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,614.60
23 05 13 00-0046	EA	100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,937.19
23 05 13 00-0047	EA	125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,046.58
23 05 13 00-0048	EA	125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,283.41
23 05 13 00-0049	EA	150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	8,692.57
23 05 13 00-0050	Cast Iron Frame, Premium Efficient, Open Drip Proof Motors <small>(23 05 13 00-0002)</small>		
23 05 13 00-0051	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	4,416.31



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0052	EA			50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	5,346.31	
23 05 13 00-0053	EA			60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	6,787.72	
23 05 13 00-0054	EA			75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	7,557.21	
23 05 13 00-0055	EA			100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	8,318.05	
23 05 13 00-0056	EA			125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	8,982.90	
23 05 13 00-0057	EA			150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	8,090.66	
23 05 13 00-0058	EA			150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	10,579.31	
23 05 13 00-0059	EA			200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	9,850.74	
23 05 13 00-0060	EA			200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	10,110.38	
23 05 13 00-0061	EA			200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	13,906.69	
23 05 13 00-0062				Premium Efficient, TEFC Motors <small>(23 05 13 00-0001)</small>		
				Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.		
23 05 13 00-0063				Steel Frame, Premium Efficient, TEFC Motors <small>(23 05 13 00-0062)</small>		
23 05 13 00-0064	EA			1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor.....	424.09	
23 05 13 00-0065	EA			1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	467.36	
23 05 13 00-0066	EA			1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	556.27	
23 05 13 00-0067	EA			1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	480.73	
23 05 13 00-0068	EA			1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	485.46	
23 05 13 00-0069	EA			2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	526.37	
23 05 13 00-0070	EA			2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	503.55	
23 05 13 00-0071	EA			3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	583.81	
23 05 13 00-0072	EA			3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	556.27	
23 05 13 00-0073	EA			3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	893.02	
23 05 13 00-0074	EA			5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	647.54	
23 05 13 00-0075	EA			5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	608.98	
23 05 13 00-0076	EA			5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,008.68	
23 05 13 00-0077	EA			7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	970.12	
23 05 13 00-0078	EA			7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	878.07	
23 05 13 00-0079	EA			10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	983.50	
23 05 13 00-0080	EA			10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	991.37	
23 05 13 00-0081				Cast Iron Frame, Premium Efficient, TEFC Motors <small>(23 05 13 00-0062)</small>		
23 05 13 00-0082	EA			1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	605.05	
23 05 13 00-0083	EA			1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	677.43	
23 05 13 00-0084	EA			1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	638.88	
23 05 13 00-0085	EA			1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	627.08	
23 05 13 00-0086	EA			1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	806.47	
23 05 13 00-0087	EA			2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	671.93	
23 05 13 00-0088	EA			2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	656.98	
23 05 13 00-0089	EA			2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	819.06	
23 05 13 00-0090	EA			3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	725.43	
23 05 13 00-0091	EA			3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	745.89	
23 05 13 00-0092	EA			3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,020.48	
23 05 13 00-0093	EA			5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	893.02	
23 05 13 00-0094	EA			5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	746.67	
23 05 13 00-0095	EA			5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,184.13	
23 05 13 00-0096	EA			7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,033.86	
23 05 13 00-0097	EA			7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	996.09	
23 05 13 00-0098	EA			7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,688.47	
23 05 13 00-0099	EA			10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,211.67	
23 05 13 00-0100	EA			10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,117.26	
23 05 13 00-0101	EA			10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,927.66	
23 05 13 00-0102	EA			15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,669.59	
23 05 13 00-0103	EA			15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,527.97	
23 05 13 00-0104	EA			15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,571.26	
23 05 13 00-0105	EA			20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,832.46	
23 05 13 00-0106	EA			20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,852.91	
23 05 13 00-0107	EA			20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	3,423.37	
23 05 13 00-0108	EA			25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,391.09	
23 05 13 00-0109	EA			25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,423.34	
23 05 13 00-0110	EA			25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	3,873.42	
23 05 13 00-0111	EA			30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,841.13	
23 05 13 00-0112	EA			30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,874.97	
23 05 13 00-0113	EA			30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	4,474.53	
23 05 13 00-0114	EA			40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	3,894.66	
23 05 13 00-0115	EA			40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	3,759.33	
23 05 13 00-0116	EA			40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	5,576.05	
23 05 13 00-0117	EA			50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	4,260.52	
23 05 13 00-0118	EA			50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	4,108.67	
23 05 13 00-0119	EA			50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	6,738.16	
23 05 13 00-0120	EA			60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	5,985.19	
23 05 13 00-0121	EA			60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	5,912.02	
23 05 13 00-0122	EA			60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	8,178.79	
23 05 13 00-0123	EA			75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	6,963.18	
23 05 13 00-0124	EA			75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	6,912.82	
23 05 13 00-0125	EA			75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	9,524.21	
23 05 13 00-0126	EA			100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	8,584.77	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 05 Common Work Results For HVAC

23 05 13 Common Motor Requirements For HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 13 00-0127	EA		125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	10,628.09	
23 05 13 00-0128	EA		150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	12,225.30	
23 05 13 00-0129	EA		200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,364.63	

23 05 13 00-0130 Premium Efficient, Severe Duty Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.

23 05 13 00-0131	EA		1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	628.65	
23 05 13 00-0132	EA		1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	690.81	
23 05 13 00-0133	EA		1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	763.20	
23 05 13 00-0134	EA		1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,072.41	
23 05 13 00-0135	EA		1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	715.20	
23 05 13 00-0136	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	704.19	
23 05 13 00-0137	EA		1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	893.02	
23 05 13 00-0138	EA		1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,334.41	
23 05 13 00-0139	EA		2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	748.25	
23 05 13 00-0140	EA		2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	734.87	
23 05 13 00-0141	EA		2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	904.82	
23 05 13 00-0142	EA		2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,682.97	
23 05 13 00-0143	EA		3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	885.15	
23 05 13 00-0144	EA		3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	930.00	
23 05 13 00-0145	EA		3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,306.09	
23 05 13 00-0146	EA		3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,825.38	
23 05 13 00-0147	EA		5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,088.93	
23 05 13 00-0148	EA		5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	946.52	
23 05 13 00-0149	EA		5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,323.40	
23 05 13 00-0150	EA		5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,905.65	
23 05 13 00-0151	EA		7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,420.96	
23 05 13 00-0152	EA		7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,192.00	
23 05 13 00-0153	EA		7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,893.83	
23 05 13 00-0154	EA		7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,322.66	
23 05 13 00-0155	EA		10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,513.02	
23 05 13 00-0156	EA		10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,427.26	
23 05 13 00-0157	EA		10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,460.32	
23 05 13 00-0158	EA		10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,875.78	
23 05 13 00-0159	EA		15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,935.53	
23 05 13 00-0160	EA		15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,818.29	
23 05 13 00-0161	EA		15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,820.68	
23 05 13 00-0162	EA		15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,174.00	
23 05 13 00-0163	EA		20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,258.12	
23 05 13 00-0164	EA		20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,950.48	
23 05 13 00-0165	EA		20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,832.50	
23 05 13 00-0166	EA		20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,898.64	
23 05 13 00-0167	EA		25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,713.67	
23 05 13 00-0168	EA		25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,552.38	
23 05 13 00-0169	EA		25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,004.81	
23 05 13 00-0170	EA		30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,308.49	
23 05 13 00-0171	EA		30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,030.75	
23 05 13 00-0172	EA		30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,162.98	
23 05 13 00-0173	EA		40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,545.34	
23 05 13 00-0174	EA		40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,965.47	
23 05 13 00-0175	EA		40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,435.24	
23 05 13 00-0176	EA		50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,763.29	
23 05 13 00-0177	EA		50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,654.71	
23 05 13 00-0178	EA		50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,854.60	
23 05 13 00-0179	EA		60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,912.82	
23 05 13 00-0180	EA		60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,238.54	
23 05 13 00-0181	EA		60 HP, 1,800 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,362.92	
23 05 13 00-0182	EA		75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,727.95	
23 05 13 00-0183	EA		75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,289.70	
23 05 13 00-0184	EA		75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,395.22	
23 05 13 00-0185	EA		100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,713.83	
23 05 13 00-0186	EA		100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,569.06	
23 05 13 00-0187	EA		100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	12,533.72	
23 05 13 00-0188	EA		125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,414.11	
23 05 13 00-0189	EA		125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,312.61	
23 05 13 00-0190	EA		125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	14,159.25	
23 05 13 00-0191	EA		150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,381.11	
23 05 13 00-0192	EA		150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,252.86	
23 05 13 00-0193	EA		150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	15,964.17	
23 05 13 00-0194	EA		200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	15,845.37	
23 05 13 00-0195	EA		200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	15,942.93	
23 05 13 00-0196	EA		200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	20,911.57	

23 05 13 00-0197 Premium Efficient, Explosion Proof Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, explosion proof, three phase AC motors.

23 05 13 00-0198	EA		1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	838.73	
23 05 13 00-0199	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	868.63	
23 05 13 00-0200	EA		2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	947.31	
23 05 13 00-0201	EA		3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,170.76	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 05 13 00-0202	EA		5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,298.22	
	23 05 13 00-0203	EA		7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,789.18	
	23 05 13 00-0204	EA		10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,826.16	
	23 05 13 00-0205	EA		15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,472.13	
	23 05 13 00-0206	EA		20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,818.32	
	23 05 13 00-0207	EA		25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	3,702.68	
	23 05 13 00-0208	EA		30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	4,155.88	
	23 05 13 00-0209	EA		40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	5,434.43	
	23 05 13 00-0210	EA		50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	6,120.52	
	23 05 13 00-0211	EA		60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	8,561.96	
	23 05 13 00-0212	EA		75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	10,051.37	
	23 05 13 00-0213	EA		100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	12,244.18	
	23 05 13 00-0214	EA		125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	16,003.51	
	23 05 13 00-0215	EA		150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	18,260.05	
	23 05 13 00-0216			Motor Mounting (23 05 13)		
				Note: Includes handling and motor installation on mounting base. Excludes mounting base.		
	23 05 13 00-0217	EA		1/2 HP Motor Mounting	110.29	56.12
	23 05 13 00-0218	EA		3/4 HP Motor Mounting	127.08	70.15
	23 05 13 00-0219	EA		1 HP Motor Mounting	135.94	70.15
	23 05 13 00-0220	EA		1-1/2 HP Motor Mounting	146.14	70.15
	23 05 13 00-0221	EA		2 HP Motor Mounting	157.99	84.17
	23 05 13 00-0222	EA		3 HP Motor Mounting	182.67	84.17
	23 05 13 00-0223	EA		5 HP Motor Mounting	216.50	140.29
	23 05 13 00-0224	EA		7-1/2 HP Motor Mounting	278.36	140.29
	23 05 13 00-0225	EA		10 HP Motor Mounting	365.35	245.51
	23 05 13 00-0226	EA		15 HP Motor Mounting	449.65	245.51
	23 05 13 00-0227	EA		20 HP Motor Mounting	531.41	350.73
	23 05 13 00-0228	EA		25 HP Motor Mounting	602.62	350.73
	23 05 13 00-0229	EA		30 HP Motor Mounting	730.68	350.73
	23 05 13 00-0230	EA		40 HP Motor Mounting	823.31	526.09
	23 05 13 00-0231	EA		50 HP Motor Mounting	913.36	526.09
	23 05 13 00-0232	EA		75 HP Motor Mounting	1,102.92	771.60
	23 05 13 00-0233	EA		100 HP Motor Mounting	1,328.51	771.60
	23 05 13 00-0234	EA		125 HP Motor Mounting	1,623.73	1,052.18
	23 05 13 00-0235	EA		150 HP Motor Mounting	1,885.64	1,052.18
	23 05 13 00-0236	EA		200 HP Motor Mounting	2,164.98	1,262.62
	23 05 13 00-0237			Motor Couplings (23 05 13)		
	23 05 13 00-0238	EA		5 To 15 HP, MGD Coupling (MagnaDrive MGE-07)	2,557.26	42.77
	23 05 13 00-0239	EA		>15 To 50 HP, MGD Coupling (MagnaDrive MGE-11)	3,334.52	64.15
	23 05 13 00-0240	EA		>50 To 100 HP, MGD Coupling (MagnaDrive MGE-15)	5,796.37	85.55
	23 05 16			Expansion Fittings And Loops For HVAC Piping (23 05)		
	23 05 16 00-0001			Stainless Steel Bellows Type Expansion Joints (23 05 16)		
				Note: Includes internal sleeves and external covers.		
	23 05 16 00-0002			Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)		
				Note: Carbon steel ends. Includes internal sleeves and external covers.		
	23 05 16 00-0003	EA		1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	136.87	56.73
				For 300 LB Rating, Add	5.84	
	23 05 16 00-0004	EA		3/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	153.45	63.98
				For 300 LB Rating, Add	6.39	
	23 05 16 00-0005	EA		1" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	179.98	73.34
				For 300 LB Rating, Add	8.34	
	23 05 16 00-0006	EA		1-1/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	203.54	81.86
				For 300 LB Rating, Add	10.01	
	23 05 16 00-0007	EA		1-1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	220.39	87.98
				For 300 LB Rating, Add	11.11	
	23 05 16 00-0008	EA		2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	253.66	103.53
				For 300 LB Rating, Add	11.67	
	23 05 16 00-0009			Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)		
				Note: Carbon steel ends. Includes internal sleeves and external covers.		
	23 05 16 00-0010	EA		1-1/4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	605.44	56.71
				For 300 LB Rating, Add	133.75	
	23 05 16 00-0011	EA		1-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	655.26	68.05
				For 300 LB Rating, Add	142.50	
	23 05 16 00-0012	EA		2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	678.10	86.38
				For 300 LB Rating, Add	142.52	
	23 05 16 00-0013	EA		2-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	730.15	93.96
				For 300 LB Rating, Add	153.08	
	23 05 16 00-0014	EA		3" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	799.57	110.17
				For 300 LB Rating, Add	165.42	
	23 05 16 00-0015	EA		4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	945.17	184.69
				For 300 LB Rating, Add	178.43	
	23 05 16 00-0016	EA		5" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,312.31	198.82
				For 300 LB Rating, Add	266.04	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 16 Expansion Fittings And Loops For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0017 EA 6" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,188.50	220.92
For 300 LB Rating, Add	227.84	
23 05 16 00-0018 EA 8" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,531.96	282.28
For 300 LB Rating, Add	295.33	
23 05 16 00-0019 EA 10" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,957.63	343.64
For 300 LB Rating, Add	382.02	
23 05 16 00-0020 EA 12" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,593.99	260.31
For 300 LB Rating, Add	518.17	
23 05 16 00-0021 Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)		
Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0022 EA 1-1/4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	585.19	77.77
For 300 LB Rating, Add	107.43	
23 05 16 00-0023 EA 1-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	614.65	78.41
For 300 LB Rating, Add	114.45	
23 05 16 00-0024 EA 2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	620.06	81.01
For 300 LB Rating, Add	114.47	
23 05 16 00-0025 EA 2-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	668.67	88.33
For 300 LB Rating, Add	122.95	
23 05 16 00-0026 EA 3" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	740.52	103.88
For 300 LB Rating, Add	133.14	
23 05 16 00-0027 EA 4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	986.55	206.85
For 300 LB Rating, Add	143.32	
23 05 16 00-0028 EA 5" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,269.35	207.84
For 300 LB Rating, Add	213.68	
23 05 16 00-0029 EA 6" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,191.91	230.12
For 300 LB Rating, Add	183.00	
23 05 16 00-0030 EA 8" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,473.94	262.95
For 300 LB Rating, Add	237.20	
23 05 16 00-0031 EA 10" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,870.39	322.17
For 300 LB Rating, Add	306.84	
23 05 16 00-0032 EA 12" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,445.76	390.53
For 300 LB Rating, Add	416.19	
23 05 17 Sleeves and Sleeve Seals for HVAC Piping (23 05)		
23 05 17 00-0001 Wall Seals And Sleeves (23 05 17)		
Note: Up to 12" walls. Excludes drilling hole.		
23 05 17 00-0002 Ductile Iron Wall Sleeve (23 05 17 00-0001)		
Note: Includes rubber gasket seal.		
23 05 17 00-0003 EA 3" Ductile Iron Wall Sleeve With Rubber Gasket Seal	77.88	30.83
23 05 17 00-0004 EA 4" Ductile Iron Wall Sleeve With Rubber Gasket Seal	96.61	36.01
23 05 17 00-0005 EA 6" Ductile Iron Wall Sleeve With Rubber Gasket Seal	118.31	43.20
23 05 17 00-0006 EA 8" Ductile Iron Wall Sleeve With Rubber Gasket Seal	167.14	64.76
23 05 17 00-0007 EA 10" Ductile Iron Wall Sleeve With Rubber Gasket Seal	214.18	86.33
23 05 17 00-0008 EA 12" Ductile Iron Wall Sleeve With Rubber Gasket Seal	263.68	107.96
23 05 17 00-0009 Steel Pipe Sleeves (23 05 17 00-0001)		
Note: Includes link seals 12" length.		
23 05 17 00-0010 EA 2" Steel Pipe Sleeve With Link Seals.....	78.86	31.36
23 05 17 00-0011 EA 2-1/2" Steel Pipe Sleeve With Link Seals.....	94.41	34.00
23 05 17 00-0012 EA 3" Steel Pipe Sleeve With Link Seals.....	109.46	36.63
23 05 17 00-0013 EA 4" Steel Pipe Sleeve With Link Seals.....	133.99	43.95
23 05 17 00-0014 EA 6" Steel Pipe Sleeve With Link Seals.....	188.39	54.88
23 05 17 00-0015 EA 10" Steel Pipe Sleeve With Link Seals.....	346.36	65.88
23 05 17 00-0016 EA 13.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	394.34	82.36
23 05 17 00-0017 EA 17.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	545.14	101.34
23 05 17 00-0018 EA 23.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	744.66	131.77
23 05 17 00-0019 EA 29.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	782.63	164.71
23 05 19 Meters And Gages For HVAC Piping (23 05)		
23 05 19 00-0001 Thermometers (23 05 19)		
23 05 19 00-0002 Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers		
(23 05 19 00-0001)		
Note: Various ranges.		
23 05 19 00-0003 EA 2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	70.75	22.53
23 05 19 00-0004 EA 2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	83.55	22.53
23 05 19 00-0005 EA 3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	83.55	22.53
23 05 19 00-0006 Liquid Filled Industrial Union Connection Type Thermometers (23 05 19 00-0001)		
Note: Various ranges.		
23 05 19 00-0007 EA 7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	96.35	22.53
23 05 19 00-0008 EA 9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	96.35	22.53
23 05 19 00-0009 EA 12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	123.11	22.53
23 05 19 00-0010 EA 7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	99.84	22.53
23 05 19 00-0011 EA 9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	105.66	22.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0012 EA 12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	126.61	22.53
23 05 19 00-0013 Liquid Filled Industrial Separable Socket Type Thermometers <small>(23 05 19 00-0001)</small>		
<small>Note: Various ranges. Socket connection for thermowell.</small>		
23 05 19 00-0014 EA 7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	96.35	22.53
23 05 19 00-0015 EA 9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	96.35	22.53
23 05 19 00-0016 EA 12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	123.11	22.53
23 05 19 00-0017 EA 7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	111.48	22.53
23 05 19 00-0018 EA 9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	123.11	22.53
23 05 19 00-0019 EA 12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	126.08	22.53
23 05 19 00-0020 1" NPT, 304 Stainless Steel Thermowells <small>(23 05 19 00-0001)</small>		
23 05 19 00-0021 EA 4" Long, 1" NPT, 304 Stainless Steel Thermowell	120.61	42.23
23 05 19 00-0022 EA 8" Long, 1" NPT, 304 Stainless Steel Thermowell	120.55	42.23
23 05 19 00-0023 Pressure Gauges <small>(23 05 19)</small>		
23 05 19 00-0024 Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges <small>(23 05 19 00-0023)</small>		
23 05 19 00-0025 EA 2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	25.05	8.79
23 05 19 00-0026 EA 4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	31.91	8.79
23 05 19 00-0027 Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges <small>(23 05 19 00-0023)</small>		
23 05 19 00-0028 EA 3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	90.05	8.79
23 05 19 00-0029 EA 4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	90.05	8.79
23 05 19 00-0030 EA 6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	114.66	8.79
23 05 19 00-0031 EA 8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	259.57	8.79
23 05 19 00-0032 Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges <small>(23 05 19 00-0023)</small>		
<small>Note: Liquid filled.</small>		
23 05 19 00-0033 EA 2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	76.33	8.79
23 05 19 00-0034 EA 4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	170.25	8.79
23 05 19 00-0035 Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges <small>(23 05 19 00-0023)</small>		
23 05 19 00-0036 EA 4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	225.91	8.79
23 05 19 00-0037 EA 6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	225.91	8.79
23 05 19 00-0038 EA 8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	225.91	8.79
23 05 19 00-0039 Gauge Accessories <small>(23 05 19 00-0023)</small>		
23 05 19 00-0040 EA Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer)	43.27	7.04
23 05 19 00-0041 EA 1/4" Snubber Valve	29.41	7.04
23 05 19 00-0042 EA 1/4" Female Pipe Thread, Brass Gauge Cock.....	18.97	10.56
23 05 19 00-0043 EA 1/4" Male Pipe Thread, Brass Gauge Cock	17.04	10.56
23 05 19 00-0044 EA 1/4" Pressure Pigtail Steam Siphon	18.56	10.56
23 05 19 00-0045 EA 1/4" x 3" Long Black Steel Nipple	4.09	3.52
23 05 19 00-0046 EA 1/4" Steel Thread-O-Let.....	45.47	17.60
23 05 19 00-0047 EA 1/4", 300 LB, Black Steel Union.....	31.34	7.04
23 05 19 00-0048 EA 1/4", Black Steel Coupling	14.72	7.04
23 05 19 00-0049 EA 1/4", 300 LB, Black Steel Plug	8.60	4.22
23 05 19 00-0050 EA 1/4", 150 LB, Black Steel Cap.....	8.81	4.22
23 05 19 00-0051 LF 1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	4.55	
23 05 19 00-0052 LF 1/4" Schedule 80, Plain End, Black Steel Pipe	4.50	
23 05 19 00-0053 LF 1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	4.48	
23 05 19 00-0054 EA 1/4" Threaded, 800 LB, Forged Steel, Ball Valve	52.10	
23 05 19 00-0055 Valve Lock Covers <small>(23 05 19)</small>		
23 05 19 00-0056 EA Valve Lock Cover.....	47.08	10.77
23 05 19 00-0057 Sight Flow Indicator <small>(23 05 19)</small>		
23 05 19 00-0058 Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator <small>(23 05 19 00-0057)</small>		
23 05 19 00-0059 EA 1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	89.73	10.24
23 05 19 00-0060 EA 3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	93.74	10.78
23 05 19 00-0061 EA 1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	101.33	11.33
23 05 19 00-0062 EA 3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	113.92	15.27
23 05 19 00-0063 EA 1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	136.20	18.50

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 19 Meters And Gages For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0064 EA 1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	154.87	23.42
23 05 19 00-0065 EA 1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	218.41	27.08
23 05 19 00-0066 EA 2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	242.34	32.01
23 05 19 00-0067 Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (23 05 19 00-0057)		
23 05 19 00-0068 EA 1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	116.14	10.24
23 05 19 00-0069 EA 3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	119.56	10.78
23 05 19 00-0070 EA 1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	128.91	11.33
23 05 19 00-0071 EA 3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	137.39	15.27
23 05 19 00-0072 EA 1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	146.17	18.50
23 05 19 00-0073 EA 1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	158.98	23.42
23 05 19 00-0074 EA 1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	298.22	27.08
23 05 19 00-0075 EA 2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	319.79	32.01
23 05 19 00-0076 Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (23 05 19 00-0057)		
23 05 19 00-0077 EA 1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	167.19	10.24
23 05 19 00-0078 EA 3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	176.48	10.78
23 05 19 00-0079 EA 1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	191.70	11.33
23 05 19 00-0080 EA 3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	208.98	15.27
23 05 19 00-0081 EA 1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	240.06	18.50
23 05 19 00-0082 EA 1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	254.63	23.42
23 05 19 00-0083 EA 1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	509.47	27.08
23 05 19 00-0084 EA 2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	536.91	32.01
23 05 19 00-0085 Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators (23 05 19 00-0057)		
23 05 19 00-0086 EA 1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	114.38	10.24
23 05 19 00-0087 EA 3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	118.97	10.78
23 05 19 00-0088 EA 1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	125.98	11.33
23 05 19 00-0089 EA 3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	136.80	15.27
23 05 19 00-0090 EA 1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	145.59	18.50
23 05 19 00-0091 EA 1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	158.98	23.42
23 05 19 00-0092 EA 1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	294.70	27.08
23 05 19 00-0093 EA 2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	315.10	32.01
23 05 19 00-0094 Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators (23 05 19 00-0057)		
23 05 19 00-0095 EA 1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	166.02	10.24
23 05 19 00-0096 EA 3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	178.82	10.78
23 05 19 00-0097 EA 1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	195.22	11.33
23 05 19 00-0098 EA 3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	208.98	15.27
23 05 19 00-0099 EA 1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	240.06	18.50
23 05 19 00-0100 EA 1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	256.97	23.42
23 05 19 00-0101 EA 1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	509.47	27.08
23 05 19 00-0102 EA 2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	536.91	32.01
23 05 19 00-0103 Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators (23 05 19 00-0057)		
23 05 19 00-0104 EA 1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	244.76	18.50
23 05 19 00-0105 EA 1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	275.75	23.42
23 05 19 00-0106 EA 1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	313.48	27.08
23 05 19 00-0107 EA 2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	352.66	32.01



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0108		Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators <small>(23 05 19 00-0057)</small>		
23 05 19 00-0109	EA	1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	540.00	73.87
23 05 19 00-0110	EA	2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	604.58	93.77
23 05 19 00-0111	EA	3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	886.85	110.10
23 05 19 00-0112	EA	4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	1,340.65	184.58
23 05 19 00-0113	EA	6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	2,157.40	220.81
23 05 19 00-0114		Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators <small>(23 05 19 00-0057)</small>		
23 05 19 00-0115	EA	1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F).....	413.76	52.76
23 05 19 00-0116	EA	1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F).....	488.40	61.56
23 05 19 00-0117	EA	1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F).....	527.97	73.87
23 05 19 00-0118	EA	2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F).....	661.79	93.77
23 05 19 00-0119	EA	3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F).....	956.97	110.10
23 05 19 00-0120	EA	4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F).....	1,416.64	184.58
23 05 19 00-0121		Venturi Flowmeters <small>(23 05 19)</small>		
23 05 19 00-0122		Threaded, Brass, Venturi Flowmeters <small>(23 05 19 00-0121)</small>		
23 05 19 00-0123	EA	3/4" Threaded, Brass, Venturi Flowmeter.....	139.82	47.85
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
23 05 19 00-0124	EA	1" Threaded, Brass, Venturi Flowmeter.....	156.39	57.43
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
23 05 19 00-0125	EA	1-1/4" Threaded, Brass, Venturi Flowmeter.....	172.70	63.84
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
23 05 19 00-0126	EA	1-1/2" Threaded, Brass, Venturi Flowmeter.....	194.59	71.79
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
23 05 19 00-0127	EA	2" Threaded, Brass, Venturi Flowmeter.....	230.17	82.07
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
23 05 19 00-0128	EA	2-1/2" Threaded, Brass, Venturi Flowmeter.....	317.14	112.04
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
23 05 19 00-0129		Butt Weld, Carbon Steel, Venturi Flowmeters <small>(23 05 19 00-0121)</small>		
23 05 19 00-0130	EA	3" Butt Weld, Carbon Steel, Venturi Flowmeter.....	560.32	98.83
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
		<i>For Flanged Ends, Add</i>	126.93	
23 05 19 00-0131	EA	4" Butt Weld, Carbon Steel, Venturi Flowmeter.....	757.02	118.59
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
		<i>For Flanged Ends, Add</i>	181.94	
23 05 19 00-0132	EA	5" Butt Weld, Carbon Steel, Venturi Flowmeter.....	985.56	148.24
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
		<i>For Flanged Ends, Add</i>	241.17	
23 05 19 00-0133	EA	6" Butt Weld, Carbon Steel, Venturi Flowmeter.....	1,193.18	197.65
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
		<i>For Flanged Ends, Add</i>	279.25	
23 05 19 00-0134	EA	8" Butt Weld, Carbon Steel, Venturi Flowmeter.....	1,695.36	237.19
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
		<i>For Flanged Ends, Add</i>	427.35	
23 05 19 00-0135	EA	10" Butt Weld, Carbon Steel, Venturi Flowmeter.....	2,684.37	296.49
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
		<i>For Flanged Ends, Add</i>	731.99	
23 05 19 00-0136	EA	12" Butt Weld, Carbon Steel, Venturi Flowmeter.....	3,999.42	416.06
		<i>For Portable Venturi Flow Meter, Add</i>	995.00	
		<i>For Flanged Ends, Add</i>	1,108.56	
23 05 19 00-0137		Turbine Flowmeter <small>(23 05 19)</small>		
23 05 19 00-0138	EA	Saddle Mount Turbine Flowmeter.....	379.71	52.79
23 05 19 00-0139		Water Flow Switches <small>(23 05 19)</small>		
23 05 19 00-0140	EA	Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1).....	154.50	20.74
23 05 19 00-0141	EA	Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1).....	159.81	20.74
23 05 19 00-0142	EA	Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1).....	204.65	20.74
23 05 19 00-0143	EA	Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1).....	211.44	20.74
23 05 19 00-0144	EA	Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1).....	166.60	20.74
23 05 19 00-0145	EA	Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1).....	172.79	20.74
23 05 19 00-0146	EA	Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1).....	216.75	20.74
23 05 19 00-0147	EA	Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1).....	222.94	20.74
23 05 19 00-0148	EA	Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1).....	422.34	20.74
23 05 19 00-0149	EA	Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1).....	428.34	20.74
23 05 19 00-0150	EA	Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1).....	485.34	20.74
23 05 19 00-0151	EA	Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1).....	493.59	20.74
23 05 19 00-0152	EA	Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1).....	436.59	20.74
23 05 19 00-0153	EA	Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1).....	444.84	20.74
23 05 19 00-0154	EA	Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1).....	499.59	20.74
23 05 19 00-0155	EA	Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1).....	508.59	20.74

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 19 Meters And Gages For HVAC Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 05 23 General-Duty Valves For HVAC Piping (23 05)****23 05 23 00-0001 Gate Valves (23 05 23)****23 05 23 00-0002 125 LB Threaded, Brazed Or Soldered Bronze Gate Valves (23 05 23 00-0001)**

Note: 125 psi steam, basic rating. 200 psi cold working pressure. Class 125 (threaded).

23 05 23 00-0003	EA 1/4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	32.09	7.03
	For 150 LB Rating, Add	1.16	
	For 200 LB Rating, Add	1.74	
	For 250 LB Rating, Add	2.90	
	For 300 LB Rating, Add	4.06	
	For Work In Restricted Working Space, Add	6.15	
23 05 23 00-0004	EA 3/8" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	33.16	7.03
	For 150 LB Rating, Add	1.16	
	For 200 LB Rating, Add	1.74	
	For 250 LB Rating, Add	2.90	
	For 300 LB Rating, Add	4.06	
	For Work In Restricted Working Space, Add	6.47	
23 05 23 00-0005	EA 1/2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	34.30	7.03
	For 150 LB Rating, Add	1.16	
	For 200 LB Rating, Add	1.74	
	For 250 LB Rating, Add	2.90	
	For 300 LB Rating, Add	4.06	
	For Work In Restricted Working Space, Add	6.81	
23 05 23 00-0006	EA 3/4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	44.43	7.74
	For 150 LB Rating, Add	1.38	
	For 200 LB Rating, Add	2.08	
	For 250 LB Rating, Add	3.46	
	For 300 LB Rating, Add	4.84	
	For Work In Restricted Working Space, Add	9.18	
23 05 23 00-0007	EA 1" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	57.94	8.79
	For 150 LB Rating, Add	2.09	
	For 200 LB Rating, Add	3.14	
	For 250 LB Rating, Add	5.23	
	For 300 LB Rating, Add	7.32	
	For Work In Restricted Working Space, Add	11.11	
23 05 23 00-0008	EA 1-1/4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	75.09	9.35
	For 150 LB Rating, Add	2.82	
	For 200 LB Rating, Add	4.23	
	For 250 LB Rating, Add	7.05	
	For 300 LB Rating, Add	9.87	
	For Work In Restricted Working Space, Add	14.07	
23 05 23 00-0009	EA 1-1/2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	89.64	10.83
	For 150 LB Rating, Add	3.55	
	For 200 LB Rating, Add	5.33	
	For 250 LB Rating, Add	8.88	
	For 300 LB Rating, Add	12.44	
	For Work In Restricted Working Space, Add	16.23	
23 05 23 00-0010	EA 2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	112.49	12.80
	For 150 LB Rating, Add	4.85	
	For 200 LB Rating, Add	7.28	
	For 250 LB Rating, Add	12.14	
	For 300 LB Rating, Add	16.99	
	For Work In Restricted Working Space, Add	19.19	
23 05 23 00-0011	EA 2-1/2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	224.79	17.29
	For 150 LB Rating, Add	13.84	
	For 200 LB Rating, Add	20.77	
	For 250 LB Rating, Add	34.61	
	For 300 LB Rating, Add	48.45	
	For Chain Operated Type, Add	62.30	
	For Work In Restricted Working Space, Add	25.91	
23 05 23 00-0012	EA 3" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	265.13	20.08
	For 150 LB Rating, Add	16.55	
	For 200 LB Rating, Add	24.82	
	For 250 LB Rating, Add	41.37	
	For 300 LB Rating, Add	57.92	
	For Chain Operated Type, Add	74.47	
	For Work In Restricted Working Space, Add	29.89	
23 05 23 00-0013	EA 4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	507.58	22.67
	For 150 LB Rating, Add	39.42	
	For 200 LB Rating, Add	59.14	
	For 250 LB Rating, Add	98.56	
	For 300 LB Rating, Add	137.98	
	For Chain Operated Type, Add	177.41	
	For Work In Restricted Working Space, Add	34.00	

23 05 23 00-0014 200 PSI, Non Rising Stem, Crimped Bronze Gate Valves (23 05 23 00-0001)

Note: 200 psi cold working pressure.

23 05 23 00-0015	EA 1/2" 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	68.28	7.03
	For Work In Restricted Working Space, Add	4.75	
23 05 23 00-0016	EA 3/4" 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	76.94	7.74
	For Work In Restricted Working Space, Add	5.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0017 EA 1" 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve <i>For Work In Restricted Working Space, Add</i>	100.88 6.47	8.79
23 05 23 00-0018 EA 1-1/4" 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve <i>For Work In Restricted Working Space, Add</i>	136.93 7.13	9.35
23 05 23 00-0019 EA 1-1/2" 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve <i>For Work In Restricted Working Space, Add</i>	158.61 7.92	10.83
23 05 23 00-0020 EA 2" 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve <i>For Work In Restricted Working Space, Add</i>	217.80 9.50	12.80
23 05 23 00-0021 Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small> Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0022 EA 1-1/2" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.43 6.06 10.61 10.61 16.23	10.83
23 05 23 00-0023 EA 2" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	179.74 23.16 40.53 40.53 19.19	12.80
23 05 23 00-0024 EA 2-1/2" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	260.49 34.83 60.95 60.95 25.91	17.29
23 05 23 00-0025 EA 3" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	328.13 45.70 79.97 79.97 29.89	20.08
23 05 23 00-0026 EA 4" 125 LB Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	728.40 123.01 215.27 215.27 34.00	22.67
23 05 23 00-0027 Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small> Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0028 EA 1-1/2" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, ASTM A182, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	253.22 46.59 80.33 206.94 80.33 27.77	73.87
23 05 23 00-0029 EA 2" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, ASTM A182, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	285.27 48.73 84.02 226.65 84.02 35.17	93.77
23 05 23 00-0030 EA 2-1/2" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, ASTM A182, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	319.35 58.46 100.80 260.48 100.80 35.33	93.90
23 05 23 00-0031 EA 3" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, ASTM A182, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	389.79 73.08 126.00 320.89 126.00 41.34	110.10
23 05 23 00-0032 EA 4" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, ASTM A182, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	567.31 97.44 168.01 451.66 168.01 69.39	184.58
23 05 23 00-0033 EA 5" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, ASTM A182, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	684.80 126.66 218.39 560.79 218.39 74.41	198.73
23 05 23 00-0034 EA 6" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, ASTM A182, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	814.50 155.88 268.75 676.00 268.75 83.10	220.81

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0035	EA		8" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,240.87	282.15
			<i>For 150 LB Rating, Add</i>	258.21	
			<i>For 250 LB Rating, Add</i>	445.19	
			<i>For 300 LB Rating, ASTM A182, Add</i>	1,065.63	
			<i>For Chain Operated Type, Add</i>	445.19	
			<i>For Work In Restricted Working Space, Add</i>	105.15	
23 05 23 00-0036	EA		10" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,605.24	343.48
			<i>For 150 LB Rating, Add</i>	341.01	
			<i>For 250 LB Rating, Add</i>	587.95	
			<i>For 300 LB Rating, ASTM A182, Add</i>	1,390.57	
			<i>For Chain Operated Type, Add</i>	587.95	
			<i>For Work In Restricted Working Space, Add</i>	128.81	
23 05 23 00-0037	EA		12" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,200.36	417.09
			<i>For 150 LB Rating, Add</i>	487.18	
			<i>For 250 LB Rating, Add</i>	839.97	
			<i>For 300 LB Rating, ASTM A182, Add</i>	1,940.15	
			<i>For Chain Operated Type, Add</i>	839.97	
			<i>For Work In Restricted Working Space, Add</i>	156.13	
23 05 23 00-0038 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>					
Note: 125 psi steam, basic rating. 200 psi cold working pressure.					
23 05 23 00-0039	EA		1-1/2" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	222.08	10.83
			<i>For 175 LB Rating, Add</i>	83.99	
			<i>For 250 LB Rating, Add</i>	125.98	
			<i>For Work In Restricted Working Space, Add</i>	16.23	
23 05 23 00-0040	EA		2" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	281.09	12.80
			<i>For 175 LB Rating, Add</i>	108.57	
			<i>For 250 LB Rating, Add</i>	162.86	
			<i>For Work In Restricted Working Space, Add</i>	19.19	
23 05 23 00-0041	EA		2-1/2" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	331.20	17.29
			<i>For 175 LB Rating, Add</i>	122.43	
			<i>For 250 LB Rating, Add</i>	183.64	
			<i>For Work In Restricted Working Space, Add</i>	25.91	
23 05 23 00-0042	EA		3" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	369.81	20.08
			<i>For 175 LB Rating, Add</i>	135.09	
			<i>For 250 LB Rating, Add</i>	202.63	
			<i>For Work In Restricted Working Space, Add</i>	29.89	
23 05 23 00-0043	EA		4" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	486.40	22.67
			<i>For 175 LB Rating, Add</i>	186.53	
			<i>For 250 LB Rating, Add</i>	279.80	
			<i>For Work In Restricted Working Space, Add</i>	34.00	
23 05 23 00-0044 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>					
Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".					
23 05 23 00-0045	EA		1-1/2" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	324.17	73.87
			<i>For 150 LB Rating, Add</i>	34.74	
			<i>For 175 LB Rating, Add</i>	71.80	
			<i>For 250 LB Rating, Add</i>	150.55	
			<i>For Chain Operated Type, Add</i>	115.81	
			<i>For Work In Restricted Working Space, Add</i>	27.77	
23 05 23 00-0046	EA		2" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	355.73	93.77
			<i>For 150 LB Rating, Add</i>	35.77	
			<i>For 175 LB Rating, Add</i>	73.93	
			<i>For 250 LB Rating, Add</i>	155.02	
			<i>For Chain Operated Type, Add</i>	119.25	
			<i>For Work In Restricted Working Space, Add</i>	35.17	
23 05 23 00-0047	EA		2-1/2" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	364.03	93.90
			<i>For 150 LB Rating, Add</i>	36.94	
			<i>For 175 LB Rating, Add</i>	76.35	
			<i>For 250 LB Rating, Add</i>	160.08	
			<i>For Chain Operated Type, Add</i>	123.14	
			<i>For Work In Restricted Working Space, Add</i>	35.33	
23 05 23 00-0048	EA		3" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	408.77	110.10
			<i>For 150 LB Rating, Add</i>	40.65	
			<i>For 175 LB Rating, Add</i>	84.00	
			<i>For 250 LB Rating, Add</i>	176.13	
			<i>For Chain Operated Type, Add</i>	135.49	
			<i>For Work In Restricted Working Space, Add</i>	41.34	
23 05 23 00-0049	EA		4" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	559.91	184.58
			<i>For 150 LB Rating, Add</i>	49.29	
			<i>For 175 LB Rating, Add</i>	101.87	
			<i>For 250 LB Rating, Add</i>	213.60	
			<i>For Chain Operated Type, Add</i>	164.31	
			<i>For Work In Restricted Working Space, Add</i>	69.39	
23 05 23 00-0050	EA		5" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	706.52	198.73
			<i>For 150 LB Rating, Add</i>	68.77	
			<i>For 175 LB Rating, Add</i>	142.13	
			<i>For 250 LB Rating, Add</i>	298.02	
			<i>For Chain Operated Type, Add</i>	229.25	
			<i>For Work In Restricted Working Space, Add</i>	74.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0051 EA 6" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	800.61	220.81
<i>For 150 LB Rating, Add</i>	78.54	
<i>For 175 LB Rating, Add</i>	162.32	
<i>For 250 LB Rating, Add</i>	340.35	
<i>For Chain Operated Type, Add</i>	261.81	
<i>For Work In Restricted Working Space, Add</i>	83.10	
23 05 23 00-0052 EA 8" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,236.06	282.15
<i>For 150 LB Rating, Add</i>	132.84	
<i>For 175 LB Rating, Add</i>	274.53	
<i>For 250 LB Rating, Add</i>	575.62	
<i>For Chain Operated Type, Add</i>	442.79	
<i>For Work In Restricted Working Space, Add</i>	105.15	
23 05 23 00-0053 EA 10" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,792.24	343.48
<i>For 150 LB Rating, Add</i>	204.43	
<i>For 175 LB Rating, Add</i>	422.50	
<i>For 250 LB Rating, Add</i>	885.88	
<i>For Chain Operated Type, Add</i>	681.45	
<i>For Work In Restricted Working Space, Add</i>	128.81	
23 05 23 00-0054 EA 12" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	2,247.77	417.09
<i>For 150 LB Rating, Add</i>	259.10	
<i>For 175 LB Rating, Add</i>	535.48	
<i>For 250 LB Rating, Add</i>	1,122.77	
<i>For Chain Operated Type, Add</i>	863.67	
<i>For Work In Restricted Working Space, Add</i>	156.13	
23 05 23 00-0055 Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves <small>(23 05 23 00-0001)</small>		
Note: 800 psig at 850 degrees F.		
23 05 23 00-0056 EA 1/4" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	68.63	11.33
<i>For Work In Restricted Working Space, Add</i>	6.15	
23 05 23 00-0057 EA 1/2" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	70.84	11.33
<i>For Work In Restricted Working Space, Add</i>	6.81	
23 05 23 00-0058 EA 3/4" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	85.19	15.27
<i>For Work In Restricted Working Space, Add</i>	9.18	
23 05 23 00-0059 EA 1" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	103.37	18.50
<i>For Work In Restricted Working Space, Add</i>	11.11	
23 05 23 00-0060 EA 1-1/4" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	153.93	23.42
<i>For Work In Restricted Working Space, Add</i>	14.07	
23 05 23 00-0061 EA 1-1/2" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	181.50	27.08
<i>For Work In Restricted Working Space, Add</i>	16.23	
23 05 23 00-0062 EA 2" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	226.56	32.01
<i>For Work In Restricted Working Space, Add</i>	19.19	
23 05 23 00-0063 Ball Valves <small>(23 05 23)</small>		
23 05 23 00-0064 Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves <small>(23 05 23 00-0063)</small>		
Note: 125 LB WSP.		
23 05 23 00-0065 EA 1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	28.08	7.03
<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
<i>For Full Port, Add</i>	2.42	
<i>For Work In Restricted Working Space, Add</i>	6.81	
23 05 23 00-0066 EA 3/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	38.86	7.74
<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
<i>For Full Port, Add</i>	3.72	
<i>For Work In Restricted Working Space, Add</i>	9.18	
23 05 23 00-0067 EA 1" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	48.20	8.79
<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
<i>For Full Port, Add</i>	5.03	
<i>For Work In Restricted Working Space, Add</i>	11.11	
23 05 23 00-0068 EA 1-1/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	65.65	9.35
<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
<i>For Full Port, Add</i>	8.44	
<i>For Work In Restricted Working Space, Add</i>	14.07	
23 05 23 00-0069 EA 1-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	78.06	10.83
<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
<i>For Full Port, Add</i>	10.78	
<i>For Work In Restricted Working Space, Add</i>	16.23	
23 05 23 00-0070 EA 2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	93.95	12.80
<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
<i>For Full Port, Add</i>	13.50	
<i>For Work In Restricted Working Space, Add</i>	19.19	
23 05 23 00-0071 EA 2-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	227.93	17.29
<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
<i>For Full Port, Add</i>	63.71	
<i>For Work In Restricted Working Space, Add</i>	25.91	
23 05 23 00-0072 EA 3" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	263.00	20.08
<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
<i>For Full Port, Add</i>	73.51	
<i>For Work In Restricted Working Space, Add</i>	29.89	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0073	EA		4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	336.05 2.63 100.22 34.00	22.67
23 05 23 00-0074			Screwed, 150 LB, Full Port, Carbon Steel Ball Valves (23 05 23 00-0063)		
23 05 23 00-0075	EA		1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	30.79 6.15	7.03
23 05 23 00-0076	EA		1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	33.88 6.81	7.03
23 05 23 00-0077	EA		3/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	46.75 9.18	7.74
23 05 23 00-0078	EA		1" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	58.77 11.11	8.79
23 05 23 00-0079	EA		1-1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	84.05 14.07	9.35
23 05 23 00-0080	EA		1-1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	101.17 16.23	10.83
23 05 23 00-0081	EA		2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	128.75 19.19	12.80
23 05 23 00-0082			Flanged, 150 LB, Full Port, Carbon Steel Ball Valves (23 05 23 00-0063)		
23 05 23 00-0083	EA		4" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	842.69 69.39	184.58
23 05 23 00-0084	EA		6" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	1,402.66 83.10	220.81
23 05 23 00-0085	EA		8" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	3,000.06 105.15	282.15
23 05 23 00-0086			Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves (23 05 23 00-0063)		
23 05 23 00-0087	EA		1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.75 2.41 6.81	7.03
23 05 23 00-0088	EA		3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.10 3.01 9.18	7.74
23 05 23 00-0089	EA		1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.92 3.90 11.11	8.79
23 05 23 00-0090	EA		1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.33 5.03 14.07	9.35
23 05 23 00-0091	EA		1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.29 7.31 16.23	10.83
23 05 23 00-0092	EA		2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.20 9.06 19.19	12.80
23 05 23 00-0093	EA		2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.02 16.80 25.91	17.29
23 05 23 00-0094	EA		3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	151.79 26.09 29.89	20.08
23 05 23 00-0095	EA		4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	213.05 45.83 34.00	22.67
23 05 23 00-0096			Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0063)		
23 05 23 00-0097	EA		1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.91 7.28 9.22	10.55
23 05 23 00-0098	EA		3/8" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.52 7.28 9.70	10.55
23 05 23 00-0099	EA		1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.22 7.28 10.21	10.55
23 05 23 00-0100	EA		3/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.04 7.72 13.76	11.61
23 05 23 00-0101	EA		1" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.95 11.43 16.66	13.19
23 05 23 00-0102	EA		1-1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	105.13 15.65 21.11	14.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0103 EA 1-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	127.42 20.81 24.35	16.25
23 05 23 00-0104 EA 2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	171.19 33.87 28.78	19.21
23 05 23 00-0105 EA 2-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	312.18 62.19 38.86	25.94
23 05 23 00-0106 EA 3" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	439.49 130.51 44.84	30.11
23 05 23 00-0107 Crimped Bronze, Ball Valves <small>(23 05 23 00-0063)</small>		
23 05 23 00-0108 Crimped Bronze, 250 PSI, Ball Valves <small>(23 05 23 00-0107)</small> Note: Nibco®		
23 05 23 00-0109 EA 1/2" Crimped Bronze, 250 PSI, Ball Valve <i>For Work In Restricted Working Space, Add</i>	47.51 4.75	7.03
23 05 23 00-0110 EA 3/4" Crimped Bronze, 250 PSI, Ball Valve <i>For Work In Restricted Working Space, Add</i>	61.21 5.41	7.74
23 05 23 00-0111 EA 1" Crimped Bronze, 250 PSI, Ball Valve <i>For Work In Restricted Working Space, Add</i>	78.38 6.47	8.79
23 05 23 00-0112 EA 1-1/4" Crimped Bronze, 250 PSI, Ball Valve <i>For Work In Restricted Working Space, Add</i>	125.40 7.13	9.35
23 05 23 00-0113 EA 1-1/2" Crimped Bronze, 250 PSI, Ball Valve <i>For Work In Restricted Working Space, Add</i>	165.19 7.92	10.83
23 05 23 00-0114 EA 2" Crimped Bronze, 250 PSI, Ball Valve <i>For Work In Restricted Working Space, Add</i>	248.06 9.50	12.80
23 05 23 00-0115 Crimped Bronze, 200 PSI, Full Port Ball Valves <small>(23 05 23 00-0107)</small>		
23 05 23 00-0116 EA 1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	46.32	7.03
23 05 23 00-0117 EA 3/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	60.90	7.74
23 05 23 00-0118 EA 1" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	74.32	8.79
23 05 23 00-0119 EA 1-1/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	109.50	9.35
23 05 23 00-0120 EA 1-1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	145.11	10.83
23 05 23 00-0121 EA 2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	221.29	12.80
23 05 23 00-0122 Crimped Bronze, 250 PSI, Full Port Ball Valves <small>(23 05 23 00-0107)</small>		
23 05 23 00-0123 EA 1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	55.39	7.03
23 05 23 00-0124 EA 3/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	67.50	7.74
23 05 23 00-0125 EA 1" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	84.87	8.79
23 05 23 00-0126 EA 1-1/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	142.47	9.35
23 05 23 00-0127 EA 1-1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	216.02	10.83
23 05 23 00-0128 EA 2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	303.73	12.80
23 05 23 00-0129 Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves <small>(23 05 23 00-0107)</small>		
23 05 23 00-0130 EA 1/2" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	52.92	7.03
23 05 23 00-0131 EA 3/4" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	65.19	7.74
23 05 23 00-0132 EA 1" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	79.59	8.79
23 05 23 00-0133 Globe Valves <small>(23 05 23)</small>		
23 05 23 00-0134 Threaded Or Sweated, 125 LB, Bronze Body, Globe Valves <small>(23 05 23 00-0133)</small>		
23 05 23 00-0135 EA 1/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.91 4.10 5.02 5.94 7.27 6.81	7.03
23 05 23 00-0136 EA 1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.70 4.10 5.02 5.94 7.27 6.15	7.03
23 05 23 00-0137 EA 3/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.27 6.11 7.49 8.87 10.84 6.47	7.03
23 05 23 00-0138 EA 1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.41 6.11 7.49 8.87 10.84 30.76 6.81	7.03

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0139 EA 3/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	51.96	7.39
For 150 LB Rating, Add	6.62	
For 200 LB Rating, Add	8.12	
For 250 LB Rating, Add	9.62	
For 300 LB Rating, Add	11.75	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	35.74	
For Work In Restricted Working Space, Add	9.18	
23 05 23 00-0140 EA 1" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	65.91	7.39
For 150 LB Rating, Add	8.95	
For 200 LB Rating, Add	10.97	
For 250 LB Rating, Add	13.00	
For 300 LB Rating, Add	15.88	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	46.58	
For Work In Restricted Working Space, Add	11.11	
23 05 23 00-0141 EA 1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	96.78	9.35
For 150 LB Rating, Add	15.46	
For 200 LB Rating, Add	18.95	
For 250 LB Rating, Add	22.45	
For 300 LB Rating, Add	27.43	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	73.63	
For Work In Restricted Working Space, Add	14.07	
23 05 23 00-0142 EA 1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	125.39	10.83
For 150 LB Rating, Add	22.10	
For 200 LB Rating, Add	27.09	
For 250 LB Rating, Add	32.08	
For 300 LB Rating, Add	39.20	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	100.05	
For Work In Restricted Working Space, Add	16.23	
23 05 23 00-0143 EA 2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	147.75	12.80
For 150 LB Rating, Add	25.98	
For 200 LB Rating, Add	31.84	
For 250 LB Rating, Add	37.71	
For 300 LB Rating, Add	46.09	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	117.76	
For Work In Restricted Working Space, Add	19.19	
23 05 23 00-0144 EA 2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	170.84	17.29
For 150 LB Rating, Add	26.19	
For 200 LB Rating, Add	32.11	
For 250 LB Rating, Add	38.02	
For 300 LB Rating, Add	46.47	
For Work In Restricted Working Space, Add	25.91	
23 05 23 00-0145 EA 3" Globe Valve, Bronze, Threaded Or Soldered, 125 LB.....	288.93	20.08
For 150 LB Rating, Add	58.68	
For 200 LB Rating, Add	71.93	
For 250 LB Rating, Add	85.18	
For 300 LB Rating, Add	104.11	
For Work In Restricted Working Space, Add	29.89	
23 05 23 00-0146 Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves <small>(23 05 23 00-0133)</small>		
23 05 23 00-0147 EA 2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	211.18	12.80
For 150 LB Rating, Add	45.64	
For 200 LB Rating, Add	55.95	
For 250 LB Rating, Add	66.25	
For 300 LB Rating, Add	80.98	
For Chain Operated Type, Add	122.94	
For Work In Restricted Working Space, Add	19.19	
23 05 23 00-0148 EA 2-1/2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	264.82	17.29
For 150 LB Rating, Add	55.33	
For 200 LB Rating, Add	67.82	
For 250 LB Rating, Add	80.31	
For 300 LB Rating, Add	98.16	
For Chain Operated Type, Add	149.02	
For Work In Restricted Working Space, Add	25.91	
23 05 23 00-0149 EA 3" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	313.80	20.08
For 150 LB Rating, Add	66.39	
For 200 LB Rating, Add	81.38	
For 250 LB Rating, Add	96.37	
For 300 LB Rating, Add	117.79	
For Chain Operated Type, Add	178.82	
For Work In Restricted Working Space, Add	29.89	
23 05 23 00-0150 EA 4" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	398.85	22.67
For 150 LB Rating, Add	88.52	
For 200 LB Rating, Add	108.51	
For 250 LB Rating, Add	128.49	
For 300 LB Rating, Add	157.05	
For Chain Operated Type, Add	238.43	
For Work In Restricted Working Space, Add	33.99	
23 05 23 00-0151 Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves <small>(23 05 23 00-0133)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0152 EA 2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	254.88	93.77
<i>For 150 LB Rating, Add</i>	42.67	
<i>For 250 LB Rating, Add</i>	61.94	
<i>For Chain Operated Type, Add</i>	68.82	
<i>For Work In Restricted Working Space, Add</i>	35.17	
23 05 23 00-0153 EA 2-1/2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	285.55	93.90
<i>For 150 LB Rating, Add</i>	52.02	
<i>For 250 LB Rating, Add</i>	75.51	
<i>For Chain Operated Type, Add</i>	83.90	
<i>For Work In Restricted Working Space, Add</i>	35.33	
23 05 23 00-0154 EA 3" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	339.15	110.10
<i>For 150 LB Rating, Add</i>	62.42	
<i>For 250 LB Rating, Add</i>	90.61	
<i>For Chain Operated Type, Add</i>	100.68	
<i>For Work In Restricted Working Space, Add</i>	41.34	
23 05 23 00-0155 EA 4" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	499.77	184.58
<i>For 150 LB Rating, Add</i>	83.23	
<i>For 250 LB Rating, Add</i>	120.81	
<i>For Chain Operated Type, Add</i>	134.24	
<i>For Work In Restricted Working Space, Add</i>	69.39	
23 05 23 00-0156 EA 5" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	621.37	198.73
<i>For 150 LB Rating, Add</i>	115.74	
<i>For 250 LB Rating, Add</i>	168.00	
<i>For Chain Operated Type, Add</i>	186.67	
<i>For Work In Restricted Working Space, Add</i>	74.41	
23 05 23 00-0157 EA 6" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	748.92	220.81
<i>For 150 LB Rating, Add</i>	146.30	
<i>For 250 LB Rating, Add</i>	212.36	
<i>For Chain Operated Type, Add</i>	235.96	
<i>For Work In Restricted Working Space, Add</i>	83.10	
23 05 23 00-0158 EA 8" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,076.20	282.15
<i>For 150 LB Rating, Add</i>	224.97	
<i>For 250 LB Rating, Add</i>	326.57	
<i>For Chain Operated Type, Add</i>	362.86	
<i>For Work In Restricted Working Space, Add</i>	105.15	
23 05 23 00-0159 EA 10" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,534.70	343.48
<i>For 150 LB Rating, Add</i>	342.66	
<i>For 250 LB Rating, Add</i>	497.41	
<i>For Chain Operated Type, Add</i>	552.68	
<i>For Work In Restricted Working Space, Add</i>	128.81	
23 05 23 00-0160 EA 12" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	2,612.05	417.09
<i>For 150 LB Rating, Add</i>	648.40	
<i>For 250 LB Rating, Add</i>	941.23	
<i>For Chain Operated Type, Add</i>	1,045.81	
<i>For Work In Restricted Working Space, Add</i>	156.13	
23 05 23 00-0161 Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valves (23 05 23 00-0133)		
23 05 23 00-0162 EA 1/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	32.70	7.03
<i>For 150 LB Rating, Add</i>	3.10	
<i>For 200 LB Rating, Add</i>	3.80	
<i>For 300 LB Rating, Add</i>	5.50	
<i>For Work In Restricted Working Space, Add</i>	6.81	
23 05 23 00-0163 EA 1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	30.49	7.03
<i>For 150 LB Rating, Add</i>	3.10	
<i>For 200 LB Rating, Add</i>	3.80	
<i>For 300 LB Rating, Add</i>	5.50	
<i>For Work In Restricted Working Space, Add</i>	6.15	
23 05 23 00-0164 EA 3/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	31.56	7.03
<i>For 150 LB Rating, Add</i>	3.10	
<i>For 200 LB Rating, Add</i>	3.80	
<i>For 300 LB Rating, Add</i>	5.50	
<i>For Work In Restricted Working Space, Add</i>	6.47	
23 05 23 00-0165 EA 1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	33.37	7.03
<i>For 150 LB Rating, Add</i>	3.31	
<i>For 200 LB Rating, Add</i>	4.05	
<i>For 300 LB Rating, Add</i>	5.87	
<i>For Work In Restricted Working Space, Add</i>	6.81	
23 05 23 00-0166 EA 3/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	45.39	7.39
<i>For 150 LB Rating, Add</i>	4.59	
<i>For 200 LB Rating, Add</i>	5.62	
<i>For 300 LB Rating, Add</i>	8.14	
<i>For Work In Restricted Working Space, Add</i>	9.18	
23 05 23 00-0167 EA 1" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	56.45	7.39
<i>For 150 LB Rating, Add</i>	6.02	
<i>For 200 LB Rating, Add</i>	7.38	
<i>For 300 LB Rating, Add</i>	10.68	
<i>For Work In Restricted Working Space, Add</i>	11.11	
23 05 23 00-0168 EA 1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	75.74	9.35
<i>For 150 LB Rating, Add</i>	8.94	
<i>For 200 LB Rating, Add</i>	10.96	
<i>For 300 LB Rating, Add</i>	15.86	
<i>For Work In Restricted Working Space, Add</i>	14.07	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0169 EA 1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	87.74	10.83
For 150 LB Rating, Add	10.43	
For 200 LB Rating, Add	12.78	
For 300 LB Rating, Add	18.50	
For Work In Restricted Working Space, Add	16.23	
23 05 23 00-0170 EA 2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	114.60	12.80
For 150 LB Rating, Add	15.70	
For 200 LB Rating, Add	19.25	
For 300 LB Rating, Add	27.86	
For Work In Restricted Working Space, Add	19.19	
23 05 23 00-0171 EA 2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	185.17	18.79
For 150 LB Rating, Add	28.32	
For 200 LB Rating, Add	34.72	
For 300 LB Rating, Add	50.25	
For Work In Restricted Working Space, Add	28.14	
23 05 23 00-0172 EA 3" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	262.95	21.81
For 150 LB Rating, Add	47.97	
For 200 LB Rating, Add	58.80	
For 300 LB Rating, Add	85.10	
For Work In Restricted Working Space, Add	32.47	
23 05 23 00-0173 Flanged, 125 LB, Iron Body, Angle Globe Valves (23 05 23 00-0133)		
23 05 23 00-0174 EA 2" Flanged, 125 LB, Iron Body, Angle Globe Valve	471.38	93.77
For 250 LB Rating, Add	212.48	
For Chain Operated Type, Add	138.11	
For Work In Restricted Working Space, Add	35.17	
23 05 23 00-0175 EA 2-1/2" Flanged, 125 LB, Iron Body, Angle Globe Valve	536.58	93.90
For 250 LB Rating, Add	251.30	
For Chain Operated Type, Add	163.34	
For Work In Restricted Working Space, Add	35.33	
23 05 23 00-0176 EA 3" Flanged, 125 LB, Iron Body, Angle Globe Valve	631.35	110.10
For 250 LB Rating, Add	296.13	
For Chain Operated Type, Add	192.48	
For Work In Restricted Working Space, Add	41.34	
23 05 23 00-0177 EA 4" Flanged, 125 LB, Iron Body, Angle Globe Valve	936.24	184.58
For 250 LB Rating, Add	422.96	
For Chain Operated Type, Add	274.93	
For Work In Restricted Working Space, Add	69.39	
23 05 23 00-0178 EA 5" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,511.41	198.73
For 250 LB Rating, Add	758.03	
For Chain Operated Type, Add	492.72	
For Work In Restricted Working Space, Add	74.41	
23 05 23 00-0179 EA 6" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,540.38	220.81
For 250 LB Rating, Add	758.03	
For Chain Operated Type, Add	492.72	
For Work In Restricted Working Space, Add	83.10	
23 05 23 00-0180 EA 8" Flanged, 125 LB, Iron Body, Angle Globe Valve	2,823.17	282.15
For 250 LB Rating, Add	1,483.61	
For Chain Operated Type, Add	964.35	
For Work In Restricted Working Space, Add	105.15	
23 05 23 00-0181 Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves (23 05 23 00-0133)		
Note: 800 PSIG at 850 degrees F.		
23 05 23 00-0182 EA 1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	84.48	11.40
For Work In Restricted Working Space, Add	6.15	
23 05 23 00-0183 EA 1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	86.69	11.40
For Work In Restricted Working Space, Add	6.81	
23 05 23 00-0184 EA 3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	103.38	15.34
For Work In Restricted Working Space, Add	9.18	
23 05 23 00-0185 EA 1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	127.44	18.50
For Work In Restricted Working Space, Add	11.11	
23 05 23 00-0186 EA 1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	201.88	23.42
For Work In Restricted Working Space, Add	14.07	
23 05 23 00-0187 EA 1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	241.38	27.08
For Work In Restricted Working Space, Add	16.23	
23 05 23 00-0188 EA 2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	305.23	32.01
For Work In Restricted Working Space, Add	19.19	
23 05 23 00-0189 Triple Duty Valves (23 05 23)		
Note: Valves function as a shut-off, check valve and calibrated balancing valve.		
23 05 23 00-0190 Straight Pattern, Triple Duty Valves (23 05 23 00-0189)		
Note: Bell & Gossett 3DX and 3DS-S Series.		
23 05 23 00-0191 EA 1" Threaded, Straight Pattern, Triple Duty Valve	199.50	7.39
23 05 23 00-0192 EA 1-1/4" Threaded, Straight Pattern, Triple Duty Valve	230.83	9.35
23 05 23 00-0193 EA 1-1/2" Threaded, Straight Pattern, Triple Duty Valve	250.33	10.83
23 05 23 00-0194 EA 2" Flanged, Straight Pattern, Triple Duty Valve.....	650.74	93.77
23 05 23 00-0195 EA 2-1/2" Flanged, Straight Pattern, Triple Duty Valve	734.04	93.90
23 05 23 00-0196 EA 3" Flanged, Straight Pattern, Triple Duty Valve.....	803.15	110.10
23 05 23 00-0197 EA 4" Flanged, Straight Pattern, Triple Duty Valve.....	1,647.85	184.58
23 05 23 00-0198 EA 5" Flanged, Straight Pattern Triple Duty Valve.....	1,919.07	198.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0199 EA 6" Flanged, Straight Pattern, Triple Duty Valve	2,558.19	220.81
23 05 23 00-0200 EA 8" Flanged, Straight Pattern, Triple Duty Valve	3,447.27	282.15
23 05 23 00-0201 EA 10" Flanged, Straight Pattern, Triple Duty Valve	5,543.64	343.48
23 05 23 00-0202 Flanged, Angle Pattern, Triple Duty Valves (23 05 23 00-0189)		
Note: Bell & Gossett 3D-S Series.		
23 05 23 00-0203 EA 2" Flanged, Angle Pattern, Triple Duty Valve.....	635.41	93.77
23 05 23 00-0204 EA 2-1/2" Flanged, Angle Pattern, Triple Duty Valve	715.64	93.90
23 05 23 00-0205 EA 3" Flanged, Angle Pattern, Triple Duty Valve.....	787.82	110.10
23 05 23 00-0206 EA 4" Flanged, Angle Pattern, Triple Duty Valve.....	1,607.99	184.58
23 05 23 00-0207 EA 5" Flanged, Angle Pattern, Triple Duty Valve.....	1,870.01	198.73
23 05 23 00-0208 EA 6" Flanged, Angle Pattern, Triple Duty Valve.....	2,098.28	220.81
23 05 23 00-0209 EA 8" Flanged, Angle Pattern, Triple Duty Valve.....	3,229.58	282.15
23 05 23 00-0210 EA 10" Flanged, Angle Pattern, Triple Duty Valve.....	4,320.26	343.48
23 05 23 00-0211 Balanced, Straight Pattern, Triple Duty Valves (23 05 23 00-0189)		
Note: Bell & Gossett 3DS-B Series.		
23 05 23 00-0212 EA 3" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	735.69	110.10
23 05 23 00-0213 EA 4" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	1,470.01	184.58
23 05 23 00-0214 EA 5" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	1,713.64	198.73
23 05 23 00-0215 EA 6" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	2,279.18	220.81
23 05 23 00-0216 EA 8" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	3,067.07	282.15
23 05 23 00-0217 EA 10" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	4,908.95	343.48
23 05 23 00-0218 EA 12" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	7,400.88	417.09
23 05 23 00-0219 EA 14" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	8,997.28	490.68
23 05 23 00-0220 EA 16" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	11,281.03	539.76
23 05 23 00-0221 Grooved Straight Pattern, Triple Duty Valves (23 05 23 00-0189)		
Note: Bell & Gossett 3DS-G Series.		
23 05 23 00-0222 EA 2" Grooved, Straight Pattern, Triple Duty Valve.....	700.23	17.38
23 05 23 00-0223 EA 2-1/2" Grooved, Straight Pattern, Triple Duty Valve.....	834.60	20.72
23 05 23 00-0224 EA 3" Grooved, Straight Pattern, Triple Duty Valve.....	971.91	22.48
23 05 23 00-0225 EA 4" Grooved, Straight Pattern, Triple Duty Valve.....	1,615.65	24.22
23 05 23 00-0226 EA 5" Grooved, Straight Pattern, Triple Duty Valve.....	1,870.95	31.28
23 05 23 00-0227 EA 6" Grooved, Straight Pattern Triple Duty Valve.....	2,494.61	40.11
23 05 23 00-0228 EA 8" Grooved, Straight Pattern Triple Duty Valve.....	3,393.60	50.91
23 05 23 00-0229 EA 10" Grooved, Straight Pattern Triple Duty Valve.....	5,359.60	57.04
23 05 23 00-0230 EA 12" Grooved, Straight Pattern Triple Duty Valve.....	8,513.74	69.56
23 05 23 00-0231 Plug Valves (23 05 23)		
23 05 23 00-0232 Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated (23 05 23 00-0231)		
Note: Includes wrench.		
23 05 23 00-0233 EA 1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	116.29	7.03
23 05 23 00-0234 EA 3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	124.18	7.74
23 05 23 00-0235 EA 1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	156.41	8.79
23 05 23 00-0236 EA 1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	188.25	9.35
23 05 23 00-0237 EA 1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	207.87	10.83
23 05 23 00-0238 EA 2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	245.41	12.80
23 05 23 00-0239 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	364.27	17.29
23 05 23 00-0240 EA 3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	443.46	20.08
23 05 23 00-0241 Plug Valves, Lubricated, Semisteel Flanged (23 05 23 00-0231)		
Note: Wrench operated for 4", gear operated for 6" and 10".		
23 05 23 00-0242 EA 2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	264.23	93.77
23 05 23 00-0243 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	311.37	93.90
23 05 23 00-0244 EA 3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	381.09	110.10
23 05 23 00-0245 EA 4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	560.75	184.58
23 05 23 00-0246 EA 6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,155.88	220.81
23 05 23 00-0247 EA 8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,933.89	282.15
23 05 23 00-0248 EA 10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	3,068.01	343.48
23 05 23 00-0249 EA 12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	4,525.56	417.09
23 05 23 00-0250 Plug Valves, Forged Steel, Screwed (23 05 23 00-0231)		
23 05 23 00-0251 EA 1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	423.04	7.03
23 05 23 00-0252 EA 3/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	501.27	7.74
23 05 23 00-0253 EA 1" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	567.63	8.79
23 05 23 00-0254 EA 1-1/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	682.00	9.35
23 05 23 00-0255 EA 1-1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	794.00	10.83
23 05 23 00-0256 EA 2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,041.79	12.80
23 05 23 00-0257 Plug Valves, Eccentric, Cast Iron Flanged (23 05 23 00-0231)		
23 05 23 00-0258 EA 4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	625.45	184.58
23 05 23 00-0259 EA 6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	952.87	220.81

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0260 EA 8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,292.59	282.15
23 05 23 00-0261 EA 10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,823.75	343.48
23 05 23 00-0262 EA 12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,350.33	417.09
23 05 23 00-0263 Foot Valves (23 05 23)		
23 05 23 00-0264 Single Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0263)		
23 05 23 00-0265 EA 1" Single Poppet Foot Valve, Metal To Metal Seat Construction	49.04	17.60
23 05 23 00-0266 EA 1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction	55.42	19.70
23 05 23 00-0267 EA 1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction	68.67	22.53
23 05 23 00-0268 EA 2" Single Poppet Foot Valve, Metal To Metal Seat Construction	87.43	25.34
23 05 23 00-0269 EA 2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction	187.11	41.52
23 05 23 00-0270 EA 3" Single Poppet Foot Valve, Metal To Metal Seat Construction	237.17	50.68
23 05 23 00-0271 Double Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0263)		
23 05 23 00-0272 EA 1" Double Poppet Foot Valve, Metal To Metal Seat Construction	49.04	17.60
23 05 23 00-0273 EA 1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction	91.00	19.70
23 05 23 00-0274 EA 1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction	89.20	22.53
23 05 23 00-0275 EA 2" Double Poppet Foot Valve, Metal To Metal Seat Construction	117.53	25.34
23 05 23 00-0276 EA 3" Double Poppet Foot Valve, Metal To Metal Seat Construction	224.42	41.52
23 05 23 00-0277 EA 4" Double Poppet Foot Valve, Metal To Metal Seat Construction	300.49	49.97
23 05 23 00-0278 Float Valves (23 05 23)		
23 05 23 00-0279 Float Valve Assembly For Maintaining Liquid Level In Tanks (23 05 23 00-0278)		
23 05 23 00-0280 Single Seat, Bronze Construction (23 05 23 00-0279)		
Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0281 EA Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve	93.89	14.78
23 05 23 00-0282 EA Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve	108.11	17.59
23 05 23 00-0283 EA Inlet Size 1", Maximum PSI 100, Single Seat Float Valve	137.06	19.00
23 05 23 00-0284 EA Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve	222.92	23.92
23 05 23 00-0285 EA Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve	229.95	27.43
23 05 23 00-0286 Double Seat, Bronze Construction (23 05 23 00-0279)		
Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0287 EA Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve	454.08	14.78
23 05 23 00-0288 EA Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve	459.70	17.59
23 05 23 00-0289 EA Pipe Size 1" Maximum PSI 150, Double Seat Float Valve	529.35	19.00
23 05 23 00-0290 EA Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve	587.45	23.92
23 05 23 00-0291 EA Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve	671.67	27.43
23 05 23 00-0292 EA Pipe Size 2" Maximum PSI 150, Double Seat Float Valve	878.35	32.36
23 05 23 00-0293 EA Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve	1,025.90	43.39
23 05 23 00-0294 EA Pipe Size 3" Maximum PSI 150, Double Seat Float Valve	1,232.46	49.87
23 05 23 00-0295 Float Valve Single Seated Balanced For Air Oil Or Water (23 05 23 00-0278)		
Note: Includes arm, ball and bracket.		
23 05 23 00-0296 Brass Body Threaded Ends (23 05 23 00-0295)		
23 05 23 00-0297 EA 1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	108.24	19.07
23 05 23 00-0298 EA 3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	121.97	21.18
23 05 23 00-0299 EA 1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	147.87	23.42
23 05 23 00-0300 EA 1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	236.80	37.85
23 05 23 00-0301 EA 1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	252.00	43.13
23 05 23 00-0302 EA 2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	289.24	53.47
23 05 23 00-0303 Cast Iron Body Flanged (23 05 23 00-0295)		
23 05 23 00-0304 EA 2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket	2,830.70	93.90
23 05 23 00-0305 EA 3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket	3,420.99	110.10
23 05 23 00-0306 Float Operated Valves (23 05 23 00-0278)		
23 05 23 00-0307 For Condensate Receivers Tanks And Vessels (23 05 23 00-0306)		
Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0308 EA 1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	336.58	33.07
23 05 23 00-0309 For Condensate Receivers Tanks And Vessels (23 05 23 00-0306)		
Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0310 EA 3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	438.86	61.52
23 05 23 00-0311 Needle Valves (23 05 23)		



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0312		Bronze Needle Valve (23 05 23 00-0311) Note: For heating and cooling applications.		
23 05 23 00-0313	EA	1/4" Needle Valve, Bronze.....	50.90	7.03
23 05 23 00-0314	EA	3/8" Needle Valve, Bronze.....	56.26	7.03
23 05 23 00-0315	EA	1/2" Needle Valve, Bronze.....	61.20	7.03
23 05 23 00-0316	EA	3/4" Needle Valve, Bronze.....	91.39	7.74
23 05 23 00-0317	EA	1" Needle Valve, Bronze.....	136.22	8.79
23 05 23 00-0318		Eccentric Valves With Taps (23 05 23)		
23 05 23 00-0319		Screwed Eccentric Valves With Taps (23 05 23 00-0318)		
23 05 23 00-0320	EA	1/2" Diameter Eccentric Valves With Taps, Screwed.....	111.22	7.03
23 05 23 00-0321	EA	3/4" Diameter Eccentric Valves With Taps, Screwed.....	120.48	7.74
23 05 23 00-0322	EA	1" Diameter Eccentric Valves With Taps, Screwed.....	151.43	8.79
23 05 23 00-0323	EA	1-1/4" Diameter Eccentric Valves With Taps, Screwed.....	184.45	9.35
23 05 23 00-0324	EA	1-1/2" Diameter Eccentric Valves With Taps, Screwed.....	202.56	10.83
23 05 23 00-0325	EA	2" Diameter Eccentric Valves With Taps, Screwed.....	238.28	12.80
23 05 23 00-0326	EA	2-1/2" Diameter Eccentric Valves With Taps, Screwed.....	356.01	17.29
23 05 23 00-0327	EA	3" Diameter Eccentric Valves With Taps, Screwed.....	430.59	20.08
23 05 23 00-0328		Flanged Eccentric Valves With Taps (23 05 23 00-0318)		
23 05 23 00-0329	EA	2-1/2" Diameter Eccentric Valves With Taps, Flanged.....	437.80	93.90
23 05 23 00-0330	EA	3" Diameter Eccentric Valves With Taps, Flanged.....	519.14	110.10
23 05 23 00-0331	EA	4" Diameter Eccentric Valves With Taps, Flanged.....	714.78	184.58
23 05 23 00-0332	EA	5" Diameter Eccentric Valves With Taps, Flanged.....	928.99	198.73
23 05 23 00-0333	EA	6" Diameter Eccentric Valves With Taps, Flanged.....	1,162.25	220.81
23 05 23 00-0334	EA	8" Diameter Eccentric Valves With Taps, Flanged.....	1,950.75	282.15
23 05 23 00-0335	EA	10" Diameter Eccentric Valves With Taps, Flanged.....	2,710.57	343.48
23 05 23 00-0336	EA	12" Diameter Eccentric Valves With Taps, Flanged.....	4,572.14	417.09
23 05 23 00-0337		Earthquake-Sensitive Gas Shut-Off Valve (23 05 23)		
23 05 23 00-0338		0.5 PSI Threaded Earthquake Gas Shutoff Valves (23 05 23 00-0337)		
23 05 23 00-0339	EA	3/4" 0.5 PSI Threaded Earthquake Gas Shutoff Valve.....	154.81	7.74
23 05 23 00-0340	EA	1" 0.5 PSI Threaded Earthquake Gas Shutoff Valve.....	173.78	8.79
23 05 23 00-0341		7 PSI Threaded Earthquake Gas Shutoff Valves (23 05 23 00-0337)		
23 05 23 00-0342	EA	1-1/4" 7 PSI Threaded Earthquake Gas Shutoff Valve.....	200.75	9.35
23 05 23 00-0343	EA	1-1/2" 7 PSI Threaded Earthquake Gas Shutoff Valve.....	276.33	10.83
23 05 23 00-0344		60 PSI Threaded Earthquake Gas Shutoff Valves (23 05 23 00-0337)		
23 05 23 00-0345	EA	3/4" 60 PSI Threaded Earthquake Gas Shutoff Valve.....	195.83	7.74
23 05 23 00-0346	EA	1" 60 PSI Threaded Earthquake Gas Shutoff Valve.....	202.27	8.79
23 05 23 00-0347	EA	1-1/4" 60 PSI Threaded Earthquake Gas Shutoff Valve.....	223.54	9.35
23 05 23 00-0348	EA	1-1/2" 60 PSI Threaded Earthquake Gas Shutoff Valve.....	310.52	10.83
23 05 23 00-0349	EA	2" 60 PSI Threaded Earthquake Gas Shutoff Valve.....	747.71	12.80
23 05 23 00-0350	EA	2-1/2" 60 PSI Threaded Earthquake Gas Shutoff Valve.....	883.79	17.23
23 05 23 00-0351	EA	3" 60 PSI Threaded Earthquake Gas Shutoff Valve.....	1,153.77	20.08
23 05 23 00-0352	EA	4" 60 PSI Threaded Earthquake Gas Shutoff Valve.....	1,338.42	22.67
23 05 23 00-0353		60 PSI Flanged Earthquake Gas Shutoff Valves (23 05 23 00-0337)		
23 05 23 00-0354	EA	2" 60 PSI Flanged Earthquake Gas Shutoff Valve.....	1,028.92	93.77
23 05 23 00-0355	EA	3" 60 PSI Flanged Earthquake Gas Shutoff Valve.....	1,271.70	110.10
23 05 23 00-0356	EA	4" 60 PSI Flanged Earthquake Gas Shutoff Valve.....	1,769.76	184.58
23 05 23 00-0357	EA	6" 60 PSI Flanged Earthquake Gas Shutoff Valve.....	2,955.06	220.81
23 05 23 00-0358	EA	8" 60 PSI Flanged Earthquake Gas Shutoff Valve.....	8,213.73	282.15
23 05 23 00-0359		Emergency Shut-Off Valve With Fusible Link (23 05 23)		
23 05 23 00-0360		Threaded Brass, Fusible Gate Valves (Morrison Bros. 939) (23 05 23 00-0359) Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165° F.		
23 05 23 00-0361	EA	1/4" Threaded Brass, Fusible Gate Valve (Morrison Bros. 939 Series).....	48.43	11.33
		<i>For Work In Restricted Working Space, Add</i>	6.15	
23 05 23 00-0362	EA	3/8" Threaded Brass, Fusible Gate Valve (Morrison Bros. 939 Series).....	49.53	11.96
		<i>For Work In Restricted Working Space, Add</i>	6.48	
23 05 23 00-0363	EA	1/2" Threaded Brass, Fusible Gate Valve (Morrison Bros. 939 Series).....	80.20	11.33
		<i>For Work In Restricted Working Space, Add</i>	6.81	
23 05 23 00-0364	EA	3/4" Threaded Brass, Fusible Gate Valve (Morrison Bros. 939 Series).....	158.26	15.27
		<i>For Work In Restricted Working Space, Add</i>	9.18	
23 05 23 00-0365	EA	1" Threaded Brass, Fusible Gate Valve (Morrison Bros. 939 Series).....	398.98	18.50
		<i>For Work In Restricted Working Space, Add</i>	11.11	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 05 23 00-0366		Threaded Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) <small>(23 05 23 00-0359)</small>			
		Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.			
23 05 23 00-0367	EA	1-1/2" Threaded Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	304.12		10.83
23 05 23 00-0368	EA	2" Threaded Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	328.06		12.80
23 05 23 00-0369	EA	3" Threaded Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	551.03		20.08
23 05 23 00-0370		Flanged Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) <small>(23 05 23 00-0359)</small>			
		Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.			
23 05 23 00-0371	EA	2" Flanged Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	439.74		93.77
23 05 23 00-0372	EA	3" Flanged Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	715.76		110.10
23 05 23 00-0373	EA	4" Flanged Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	1,636.51		184.58
23 05 23 00-0374		Check Valves <small>(23 05 23)</small>			
23 05 23 00-0375		Iron Body Wafer Type Check Valve <small>(23 05 23 00-0374)</small>			
23 05 23 00-0376		Single Disk Type <small>(23 05 23 00-0375)</small>			
23 05 23 00-0377	EA	2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	234.55		93.81
		For 150 LB Rating, Add	24.62		
		For 200 LB Rating, Add	29.31		
		For 300 LB Rating, Add	35.18		
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	76.22		
23 05 23 00-0378	EA	2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	271.45		93.96
		For 150 LB Rating, Add	32.26		
		For 200 LB Rating, Add	38.41		
		For 300 LB Rating, Add	46.09		
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	92.70		
23 05 23 00-0379	EA	3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	332.07		110.17
		For 150 LB Rating, Add	40.78		
		For 200 LB Rating, Add	48.55		
		For 300 LB Rating, Add	58.25		
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	114.96		
23 05 23 00-0380	EA	4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	494.44		184.69
		For 150 LB Rating, Add	55.23		
		For 200 LB Rating, Add	65.75		
		For 300 LB Rating, Add	78.90		
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	164.64		
23 05 23 00-0381	EA	6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	735.97		259.22
		For 150 LB Rating, Add	86.51		
		For 200 LB Rating, Add	102.99		
		For 300 LB Rating, Add	123.59		
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	250.18		
23 05 23 00-0382	EA	8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	1,003.46		298.10
		For 150 LB Rating, Add	132.76		
		For 200 LB Rating, Add	158.05		
		For 300 LB Rating, Add	189.65		
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	358.74		
23 05 23 00-0383	EA	10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	1,466.67		362.90
		For 150 LB Rating, Add	212.04		
		For 200 LB Rating, Add	252.43		
		For 300 LB Rating, Add	302.92		
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	545.76		
23 05 23 00-0384		Twin Disc Type <small>(23 05 23 00-0375)</small>			
23 05 23 00-0385	EA	2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	248.96		93.81
		For 150 LB Rating, Add	27.65		
		For 200 LB Rating, Add	32.92		
		For 300 LB Rating, Add	39.50		
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	82.71		
23 05 23 00-0386	EA	2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	275.84		93.96
		For 150 LB Rating, Add	33.18		
		For 200 LB Rating, Add	39.50		
		For 300 LB Rating, Add	47.40		
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	94.67		
23 05 23 00-0387	EA	3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	322.25		110.17
		For 150 LB Rating, Add	38.72		
		For 200 LB Rating, Add	46.09		
		For 300 LB Rating, Add	55.31		
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	110.54		
23 05 23 00-0388	EA	4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	465.57		184.69
		For 150 LB Rating, Add	49.17		
		For 200 LB Rating, Add	58.53		
		For 300 LB Rating, Add	70.24		
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	151.65		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0389 EA 6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	701.56	259.22
<i>For 150 LB Rating, Add</i>	79.28	
<i>For 200 LB Rating, Add</i>	94.39	
<i>For 300 LB Rating, Add</i>	113.26	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	234.70	
23 05 23 00-0390 EA 8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	946.88	298.10
<i>For 150 LB Rating, Add</i>	121.08	
<i>For 200 LB Rating, Add</i>	144.14	
<i>For 300 LB Rating, Add</i>	172.97	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	333.52	
23 05 23 00-0391 EA 10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,366.93	32.40
<i>For 150 LB Rating, Add</i>	191.75	
<i>For 200 LB Rating, Add</i>	228.28	
<i>For 300 LB Rating, Add</i>	273.93	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	501.66	
23 05 23 00-0392 EA 12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,772.55	440.67
<i>For 150 LB Rating, Add</i>	256.91	
<i>For 200 LB Rating, Add</i>	305.84	
<i>For 300 LB Rating, Add</i>	367.01	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	660.35	
23 05 23 00-0393 Lift Check Valves <small>(23 05 23 00-0374)</small>		
23 05 23 00-0394 Bronze Body, Threaded, Vertical Lift Check Valves <small>(23 05 23 00-0393)</small>		
Note: Watts #600 series.		
23 05 23 00-0395 EA 3/8" Lift Check Valve, Bronze, Threaded.....	52.56	7.03
23 05 23 00-0396 EA 1/2" Lift Check Valve, Bronze, Threaded.....	55.57	7.03
23 05 23 00-0397 EA 3/4" Lift Check Valve, Bronze, Threaded.....	71.53	7.39
23 05 23 00-0398 EA 1" Lift Check Valve, Bronze, Threaded.....	92.91	7.39
23 05 23 00-0399 EA 1-1/4" Lift Check Valve, Bronze, Threaded.....	126.99	9.35
23 05 23 00-0400 EA 1-1/2" Lift Check Valve, Bronze, Threaded.....	153.28	10.83
23 05 23 00-0401 EA 2" Lift Check Valve, Bronze, Threaded.....	213.06	12.80
23 05 23 00-0402 Bronze Body, Threaded, 300 LB, Lift Check Valves <small>(23 05 23 00-0393)</small>		
Note: Crane 366E.		
23 05 23 00-0403 EA 1/2" Lift Check Valve, Bronze, Threaded, 300 LB.....	280.18	7.03
23 05 23 00-0404 EA 3/4" Lift Check Valve, Bronze, Threaded, 300 LB.....	341.57	7.39
23 05 23 00-0405 EA 1" Lift Check Valve, Bronze, Threaded, 300 LB.....	605.50	7.39
23 05 23 00-0406 EA 1-1/4" Lift Check Valve, Bronze, Threaded, 300 LB.....	805.97	9.35
23 05 23 00-0407 EA 1-1/2" Lift Check Valve, Bronze, Threaded, 300 LB.....	876.73	10.83
23 05 23 00-0408 EA 2" Lift Check Valve, Bronze, Threaded, 300 LB.....	1,123.97	12.80
23 05 23 00-0409 Iron Body, Flanged, 125 LB Vertical Lift Check Valves <small>(23 05 23 00-0393)</small>		
Note: Mueller 105MAP.		
23 05 23 00-0410 EA 2" Lift Check Valve, Iron Body, Flanged, 125 LB.....	443.64	93.77
23 05 23 00-0411 EA 2-1/2" Lift Check Valve, Iron Body, Flanged, 125 LB.....	626.38	93.90
23 05 23 00-0412 EA 3" Lift Check Valve, Iron Body, Flanged, 125 LB.....	686.23	110.10
23 05 23 00-0413 EA 4" Lift Check Valve, Iron Body, Flanged, 125 LB.....	968.30	184.58
23 05 23 00-0414 EA 5" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,196.10	198.73
23 05 23 00-0415 EA 6" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,464.68	220.81
23 05 23 00-0416 EA 8" Lift Check Valve, Iron Body, Flanged, 125 LB.....	2,524.30	282.15
23 05 23 00-0417 EA 10" Lift Check Valve, Iron Body, Flanged, 125 LB.....	3,166.29	343.48
23 05 23 00-0418 EA 12" Lift Check Valve, Iron Body, Flanged, 125 LB.....	5,073.92	417.09
23 05 23 00-0419 EA 14" Lift Check Valve, Iron Body, Flanged, 125 LB.....	6,889.42	548.38
23 05 23 00-0420 EA 16" Lift Check Valve, Iron Body, Flanged, 125 LB.....	7,632.69	603.22
23 05 23 00-0421 Bronze Body Swing Check Valves <small>(23 05 23 00-0374)</small>		
23 05 23 00-0422 Bronze Body, Threaded, Brazed Or Soldered Installation, 125 LB, Swing Check Valves <small>(23 05 23 00-0421)</small>		
23 05 23 00-0423 EA 1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	38.97	7.03
<i>For 300 LB Rating, Add</i>	6.35	
<i>For Work In Restricted Working Space, Add</i>	6.81	
23 05 23 00-0424 EA 1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	36.76	7.03
<i>For 300 LB Rating, Add</i>	6.35	
<i>For Work In Restricted Working Space, Add</i>	6.15	
23 05 23 00-0425 EA 3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	37.83	7.03
<i>For 300 LB Rating, Add</i>	6.35	
<i>For Work In Restricted Working Space, Add</i>	6.47	
23 05 23 00-0426 EA 1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	39.61	7.03
<i>For 300 LB Rating, Add</i>	6.59	
<i>For Work In Restricted Working Space, Add</i>	6.81	
23 05 23 00-0427 EA 3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	51.08	7.39
<i>For 300 LB Rating, Add</i>	7.99	
<i>For Work In Restricted Working Space, Add</i>	9.18	
23 05 23 00-0428 EA 1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	64.85	7.39
<i>For 300 LB Rating, Add</i>	10.85	
<i>For Work In Restricted Working Space, Add</i>	11.11	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0429 EA 1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	85.96	9.35
For 300 LB Rating, Add	15.23	
For Work In Restricted Working Space, Add	14.07	
23 05 23 00-0430 EA 1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	108.80	10.83
For 300 LB Rating, Add	21.33	
For Work In Restricted Working Space, Add	16.23	
23 05 23 00-0431 EA 2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	134.27	12.80
For 300 LB Rating, Add	27.42	
For Work In Restricted Working Space, Add	19.19	
23 05 23 00-0432 EA 2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	248.00	17.29
For 300 LB Rating, Add	63.04	
For Work In Restricted Working Space, Add	25.91	
23 05 23 00-0433 EA 3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	329.54	20.08
For 300 LB Rating, Add	89.66	
For Work In Restricted Working Space, Add	29.89	
23 05 23 00-0434 EA 4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	373.50	22.67
For 300 LB Rating, Add	101.46	
For Work In Restricted Working Space, Add	34.00	
23 05 23 00-0435 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <small>(23 05 23 00-0374)</small>		
23 05 23 00-0436 EA 1" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	211.38	52.76
For 150 LB Rating, Add	98.61	
For 250 LB Rating, Add	188.51	
For Work In Restricted Working Space, Add	19.91	
23 05 23 00-0437 EA 1-1/4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	236.23	61.56
For 150 LB Rating, Add	108.64	
For 250 LB Rating, Add	207.69	
For Work In Restricted Working Space, Add	22.94	
23 05 23 00-0438 EA 1-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	265.83	73.87
For 150 LB Rating, Add	117.82	
For 250 LB Rating, Add	225.25	
For Work In Restricted Working Space, Add	27.77	
23 05 23 00-0439 EA 2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	332.44	93.77
For 150 LB Rating, Add	146.34	
For 250 LB Rating, Add	279.76	
For Work In Restricted Working Space, Add	35.17	
23 05 23 00-0440 EA 2-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	368.90	93.90
For 150 LB Rating, Add	170.78	
For 250 LB Rating, Add	326.50	
For Work In Restricted Working Space, Add	35.33	
23 05 23 00-0441 EA 3" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	410.73	110.10
For 150 LB Rating, Add	185.59	
For 250 LB Rating, Add	354.81	
For Work In Restricted Working Space, Add	41.34	
23 05 23 00-0442 EA 4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	653.09	184.58
For 150 LB Rating, Add	286.82	
For 250 LB Rating, Add	548.33	
For Work In Restricted Working Space, Add	69.39	
23 05 23 00-0443 EA 5" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	867.31	198.73
For 150 LB Rating, Add	421.11	
For 250 LB Rating, Add	805.06	
For Work In Restricted Working Space, Add	74.41	
23 05 23 00-0444 EA 6" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	995.02	220.81
For 150 LB Rating, Add	488.25	
For 250 LB Rating, Add	933.43	
For Work In Restricted Working Space, Add	83.10	
23 05 23 00-0445 EA 8" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	2,143.13	282.15
For 150 LB Rating, Add	1,219.00	
For 250 LB Rating, Add	2,330.43	
For Work In Restricted Working Space, Add	105.15	
23 05 23 00-0446 EA 10" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	2,869.52	343.48
For 150 LB Rating, Add	1,659.32	
For 250 LB Rating, Add	3,172.22	
For Work In Restricted Working Space, Add	128.81	
23 05 23 00-0447 EA 12" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	4,325.75	417.09
For 150 LB Rating, Add	2,587.62	
For 250 LB Rating, Add	4,946.92	
For Work In Restricted Working Space, Add	156.13	
23 05 23 00-0448 Swing Check Valves, 150 LB Polyvinyl Chloride (PVC) Socket Weld End Connections <small>(23 05 23 00-0374)</small>		
23 05 23 00-0449 EA 1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	35.19	7.03
For Work In Restricted Working Space, Add	6.81	
23 05 23 00-0450 EA 3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	43.08	7.74
For Work In Restricted Working Space, Add	9.18	
23 05 23 00-0451 EA 1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	50.01	8.79
For Work In Restricted Working Space, Add	11.11	
23 05 23 00-0452 EA 1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	60.42	9.35
For Work In Restricted Working Space, Add	14.07	
23 05 23 00-0453 EA 1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	68.41	10.83
For Work In Restricted Working Space, Add	16.23	
23 05 23 00-0454 EA 2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	86.18	12.80
For Work In Restricted Working Space, Add	19.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0455 EA 2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	118.00 25.91	17.29
23 05 23 00-0456 EA 3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	140.71 29.89	20.08
23 05 23 00-0457 Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves <small>(23 05 23 00-0374)</small> Note: Nibco®		
23 05 23 00-0458 EA 1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve..... <i>For Work In Restricted Working Space, Add</i>	89.04 4.75	7.03
23 05 23 00-0459 EA 3/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve..... <i>For Work In Restricted Working Space, Add</i>	113.12 5.41	7.74
23 05 23 00-0460 EA 1" Crimped Bronze, 200 PSI, Y-Pattern Check Valve..... <i>For Work In Restricted Working Space, Add</i>	155.98 6.47	8.79
23 05 23 00-0461 EA 1-1/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve..... <i>For Work In Restricted Working Space, Add</i>	207.36 7.13	9.35
23 05 23 00-0462 EA 1-1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve..... <i>For Work In Restricted Working Space, Add</i>	247.16 7.92	10.83
23 05 23 00-0463 EA 2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve..... <i>For Work In Restricted Working Space, Add</i>	352.98 9.50	12.80
23 05 23 00-0464 Crimped Bronze, 250 PSI, In-Line, Check Valves <small>(23 05 23 00-0374)</small>		
23 05 23 00-0465 EA 1/2" Crimped Bronze, 200 PSI, In-Line Check Valve.....	39.36	7.03
23 05 23 00-0466 EA 3/4" Crimped Bronze, 200 PSI, In-Line Check Valve.....	48.16	7.74
23 05 23 00-0467 EA 1" Crimped Bronze, 200 PSI, In-Line Check Valve.....	56.27	8.79
23 05 23 00-0468 EA 1-1/4" Crimped Bronze, 200 PSI, In-Line Check Valve.....	73.96	9.35
23 05 23 00-0469 EA 1-1/2" Crimped Bronze, 200 PSI, In-Line Check Valve.....	97.67	10.83
23 05 23 00-0470 EA 2" Crimped Bronze, 200 PSI, In-Line Check Valve.....	161.38	12.80
23 05 23 00-0471 Diaphragm Valves <small>(23 05 23)</small>		
23 05 23 00-0472 Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves <small>(23 05 23 00-0471)</small>		
23 05 23 00-0473 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	120.29	21.05
23 05 23 00-0474 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	151.61	23.31
23 05 23 00-0475 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	166.90	28.82
23 05 23 00-0476 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	263.16	43.07
23 05 23 00-0477 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	411.19	51.81
23 05 23 00-0478 Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves <small>(23 05 23 00-0471)</small>		
23 05 23 00-0479 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	151.55	33.76
23 05 23 00-0480 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	175.51	35.17
23 05 23 00-0481 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	209.71	52.76
23 05 23 00-0482 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	315.52	73.87
23 05 23 00-0483 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	494.92	93.77
23 05 23 00-0484 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	624.56	93.90
23 05 23 00-0485 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	773.72	110.10
23 05 23 00-0486 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,104.26	184.58
23 05 23 00-0487 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	2,232.76	220.81
23 05 23 00-0488 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	3,451.84	282.15
23 05 23 00-0489 Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves <small>(23 05 23 00-0471)</small>		
23 05 23 00-0490 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	79.57	21.05
23 05 23 00-0491 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	101.24	23.31
23 05 23 00-0492 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	116.53	28.82
23 05 23 00-0493 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	194.56	43.07

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0494 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	251.49	51.81
23 05 23 00-0495 Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0471)		
23 05 23 00-0496 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	104.78	33.76
23 05 23 00-0497 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	122.05	35.17
23 05 23 00-0498 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	156.24	52.76
23 05 23 00-0499 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	242.72	73.87
23 05 23 00-0500 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	325.42	93.77
23 05 23 00-0501 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	389.17	93.90
23 05 23 00-0502 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	472.26	110.10
23 05 23 00-0503 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	748.91	184.58
23 05 23 00-0504 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	1,436.63	220.81
23 05 23 00-0505 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	2,189.12	282.15
23 05 23 00-0506 125 LB, Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0471)		
23 05 23 00-0507 EA 1" Diaphragm Valve, Cast Iron, 125 LB, Flanged	193.60	52.76
23 05 23 00-0508 EA 1-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	309.61	73.87
23 05 23 00-0509 EA 2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	414.74	93.77
23 05 23 00-0510 EA 2-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	581.77	93.90
23 05 23 00-0511 EA 3" Diaphragm Valve, Cast Iron, 125 LB, Flanged	644.85	110.10
23 05 23 00-0512 EA 4" Diaphragm Valve, Cast Iron, 125 LB, Flanged	1,015.27	184.58
23 05 23 00-0513 EA 6" Diaphragm Valve, Cast Iron, 125 LB, Flanged	1,979.64	220.81
23 05 23 00-0514 EA 8" Diaphragm Valve, Cast Iron, 125 LB, Flanged	4,058.87	282.15
23 05 23 00-0515 Solenoid Valves (23 05 23)		
23 05 23 00-0516 Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure (23 05 23 00-0515)		
23 05 23 00-0517 EA 1/4" Solenoid Valve, Bronze, 150 PSI, Water	58.71	7.03
23 05 23 00-0518 EA 1/2" Solenoid Valve, Bronze, 150 PSI, Water	67.77	7.03
23 05 23 00-0519 EA 3/4" Solenoid Valve, Bronze, 150 PSI, Water	87.27	7.74
23 05 23 00-0520 EA 1" Solenoid Valve, Bronze, 150 PSI, Water	125.80	8.79
23 05 23 00-0521 EA 1-1/2" Solenoid Valve, Bronze, 150 PSI, Water	217.99	10.83
23 05 23 00-0522 EA 2" Solenoid Valve, Bronze, 150 PSI, Water	334.14	12.80
23 05 23 00-0523 EA 2-1/2" Solenoid Valve, Bronze, 150 PSI, Water	454.85	17.29
23 05 23 00-0524 EA 3" Solenoid Valve, Bronze, 150 PSI, Water	650.96	20.08
23 05 23 00-0525 Flow Control Valves And Meters (23 05 23)		
23 05 23 00-0526 Conditioned Water Balancing Valves (23 05 23 00-0525)		
Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.		
23 05 23 00-0527 EA 1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	81.53	35.90
23 05 23 00-0528 EA 3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	99.84	47.85
23 05 23 00-0529 EA 1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	150.01	54.68
23 05 23 00-0530 EA 1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	194.73	67.57
23 05 23 00-0531 EA 1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	223.06	71.79
23 05 23 00-0532 EA 2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	295.45	82.07
23 05 23 00-0533 EA 2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	556.46	142.83
23 05 23 00-0534 EA 3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	765.23	163.24
23 05 23 00-0535 EA 3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	965.40	110.17
23 05 23 00-0536 EA 4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,197.83	184.69
23 05 23 00-0537 EA 6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,401.59	233.30
23 05 23 00-0538 EA 8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	2,366.72	298.10
23 05 23 00-0539 EA 10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,974.81	362.90
23 05 23 00-0540 Balancing Valves (23 05 23)		
23 05 23 00-0541 Balancing Valves With Lever (23 05 23 00-0540)		
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0542 EA 1/2" Threaded Balancing Valve With Lever.....	138.86	22.17
23 05 23 00-0543 EA 3/4" Threaded Balancing Valve With Lever.....	155.97	29.21
23 05 23 00-0544 EA 1" Threaded Balancing Valve With Lever.....	166.75	33.44
23 05 23 00-0545 EA 1-1/4" Threaded Balancing Valve With Lever	191.02	41.52
23 05 23 00-0546 EA 1-1/2" Threaded Balancing Valve With Lever	204.76	43.98



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				23 05 23 00-0547 EA 2" Threaded Balancing Valve With Lever	227.05	50.33
				23 05 23 00-0548 EA 2-1/2" Flanged Balancing Valve With Lever.....	363.55	93.96
				23 05 23 00-0549 EA 3" Flanged Balancing Valve With Lever.....	415.24	110.17
				23 05 23 00-0550 EA 4" Flanged Balancing Valve With Lever.....	634.08	184.69
				23 05 23 00-0551 EA 5" Flanged Balancing Valve With Lever.....	942.05	209.97
				23 05 23 00-0552 EA 6" Flanged Balancing Valve With Lever.....	972.65	233.30
				23 05 23 00-0553 EA 8" Flanged Balancing Valve With Lever.....	1,314.27	298.10
				23 05 23 00-0554 Balancing Valves With Nut <small>(23 05 23 00-0540)</small>		
				Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
				23 05 23 00-0555 EA 4" Flanged Balancing Valve With Nut	602.45	184.69
				23 05 23 00-0556 EA 5" Flanged Balancing Valve With Nut	901.91	209.97
				23 05 23 00-0557 EA 6" Flanged Balancing Valve With Nut	932.51	233.30
				23 05 23 00-0558 EA 8" Flanged Balancing Valve With Nut	1,258.31	298.10
				23 05 23 00-0559 Balancing Valves With Hand Wheel <small>(23 05 23 00-0540)</small>		
				Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
				23 05 23 00-0560 EA 4" Flanged Balancing Valve With Hand Wheel	839.66	184.69
				23 05 23 00-0561 EA 5" Flanged Balancing Valve With Hand Wheel	1,151.28	209.97
				23 05 23 00-0562 EA 6" Flanged Balancing Valve With Hand Wheel	1,181.88	233.30
				23 05 23 00-0563 EA 8" Flanged Balancing Valve With Hand Wheel	1,530.79	298.10
				23 05 23 00-0564 EA 10" Flanged Balancing Valve With Hand Wheel.....	2,270.99	362.90
				23 05 23 00-0565 EA 12" Flanged Balancing Valve With Hand Wheel.....	2,967.42	294.06
				23 05 23 00-0566 EA 14" Flanged Balancing Valve With Hand Wheel.....	4,006.64	554.45
				23 05 23 00-0567 Balancing Valves With Chain Wheel <small>(23 05 23 00-0540)</small>		
				Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
				23 05 23 00-0568 EA 4" Flanged Balancing Valve With Chain Wheel	968.60	184.69
				23 05 23 00-0569 EA 5" Flanged Balancing Valve With Chain Wheel	1,281.44	209.97
				23 05 23 00-0570 EA 6" Flanged Balancing Valve With Chain Wheel	1,312.04	233.30
				23 05 23 00-0571 EA 8" Flanged Balancing Valve With Chain Wheel	1,659.74	298.10
				23 05 23 00-0572 EA 10" Flanged Balancing Valve With Chain Wheel.....	2,401.15	362.90
				23 05 23 00-0573 EA 12" Flanged Balancing Valve With Chain Wheel.....	3,126.96	293.86
				23 05 23 00-0574 EA 14" Flanged Balancing Valve With Chain Wheel.....	4,164.78	554.45
				23 05 23 00-0575 Calibrated Balancing Valves <small>(23 05 23 00-0540)</small>		
				Note: Bell & Gossett CB Series.		
				23 05 23 00-0576 EA 1/2" Braze Or Soldered Calibrated Balancing Valve (CB-1/2S)	71.77	7.04
				23 05 23 00-0577 EA 3/4" Braze Or Soldered Calibrated Balancing Valve (CB-3/4S)	84.56	7.74
				23 05 23 00-0578 EA 1" Braze Or Soldered Calibrated Balancing Valve (CB-1S).....	103.28	8.79
				23 05 23 00-0579 EA 1-1/4" Braze Or Soldered Calibrated Balancing Valve (CB-1-1/4S).....	138.91	9.36
				23 05 23 00-0580 EA 1" Threaded Calibrated Balancing Valve (CB-1).....	110.02	8.79
				23 05 23 00-0581 EA 1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4)	150.56	9.36
				23 05 23 00-0582 EA 1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2)	174.95	10.84
				23 05 23 00-0583 EA 2" Threaded Calibrated Balancing Valve (CB-2).....	235.68	12.81
				23 05 23 00-0584 EA 2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2)	437.22	18.80
				23 05 23 00-0585 EA 3" Threaded Calibrated Balancing Valve (CB-3).....	614.15	21.82
				23 05 23 00-0586 EA 2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F).....	581.76	102.05
				23 05 23 00-0587 EA 3" Flanged Calibrated Balancing Valve (CB-3F).....	839.63	119.65
				23 05 23 00-0588 EA 4" Flanged Calibrated Balancing Valve (CB-4F).....	1,315.30	200.59
				23 05 23 00-0589 EA 5" Flanged Calibrated Balancing Valve (CB-5F).....	1,888.19	228.03
				23 05 23 00-0590 EA 6" Flanged Calibrated Balancing Valve (CB-6F).....	2,479.46	253.37
				23 05 23 00-0591 EA 8" Flanged Calibrated Balancing Valve (CB-8F).....	4,464.79	323.75
				23 05 23 00-0592 EA 10" Flanged Calibrated Balancing Valve (CB-10F).....	6,195.64	388.12
				23 05 23 00-0593 EA 12" Flanged Calibrated Balancing Valve (CB-12F).....	13,016.98	471.28
				23 05 23 00-0594 EA 4" Grooved Calibrated Balancing Valve (CB-4G).....	1,539.00	24.22
				23 05 23 00-0595 EA 5" Grooved Calibrated Balancing Valve (CB-5G).....	1,775.90	31.28
				23 05 23 00-0596 EA 6" Grooved Calibrated Balancing Valve (CB-6G).....	2,359.70	40.11
				23 05 23 00-0597 EA 8" Grooved Calibrated Balancing Valve (CB-8G).....	4,411.55	50.91
				23 05 23 00-0598 EA 10" Grooved Calibrated Balancing Valve (CB-10G).....	5,927.85	57.04
				23 05 23 00-0599 EA 12" Grooved Calibrated Balancing Valve (CB-12G).....	12,194.86	69.56
				23 05 23 00-0600 Butterfly Valves <small>(23 05 23)</small>		
				23 05 23 00-0601 Cast Iron Body, Iron Disc, Butterfly Valves <small>(23 05 23 00-0600)</small>		
				Note: With on-off handle, 150 PSI wafer type.		
				23 05 23 00-0602 EA 2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	200.93	93.77
				For 200 PSI, Add	40.17	
				For Work In Restricted Working Space, Add	35.17	
				23 05 23 00-0603 EA 2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	206.31	93.90
				For 200 PSI, Add	42.51	
				For Work In Restricted Working Space, Add	35.33	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0604	EA		3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	233.17	110.10
			<i>For 200 PSI, Add</i>	45.78	
			<i>For Work In Restricted Working Space, Add</i>	41.34	
23 05 23 00-0605	EA		4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	351.00	184.58
			<i>For 200 PSI, Add</i>	57.46	
			<i>For Work In Restricted Working Space, Add</i>	69.39	
23 05 23 00-0606	EA		5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	447.30	220.81
			<i>For 200 PSI, Add</i>	81.74	
			<i>For Work In Restricted Working Space, Add</i>	83.10	
23 05 23 00-0607	EA		6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	514.93	245.35
			<i>For 200 PSI, Add</i>	99.96	
			<i>For Work In Restricted Working Space, Add</i>	92.00	
23 05 23 00-0608	EA		8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	663.84	282.15
			<i>For 200 PSI, Add</i>	150.41	
			<i>For Work In Restricted Working Space, Add</i>	105.15	
23 05 23 00-0609	EA		10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,036.60	343.48
			<i>For 200 PSI, Add</i>	291.48	
			<i>For Work In Restricted Working Space, Add</i>	128.81	
23 05 23 00-0610	EA		12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,294.09	417.09
			<i>For 200 PSI, Add</i>	371.36	
			<i>For Work In Restricted Working Space, Add</i>	156.13	
23 05 23 00-0611			Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve <small>(23 05 23 00-0600)</small>		
23 05 23 00-0612	EA		2-1/2" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	655.66	18.79
			<i>For Work In Restricted Working Space, Add</i>	11.08	
23 05 23 00-0613	EA		3" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	710.29	21.81
			<i>For Work In Restricted Working Space, Add</i>	13.19	
23 05 23 00-0614	EA		4" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	888.29	24.62
			<i>For Work In Restricted Working Space, Add</i>	17.41	
23 05 23 00-0615			Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Butterfly Valves <small>(23 05 23 00-0600)</small>		
23 05 23 00-0616	EA		2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	346.90	93.77
			<i>For Work In Restricted Working Space, Add</i>	35.17	
23 05 23 00-0617	EA		2-1/2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	349.36	93.90
			<i>For Work In Restricted Working Space, Add</i>	35.33	
23 05 23 00-0618	EA		3" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	381.09	110.10
			<i>For Work In Restricted Working Space, Add</i>	41.34	
23 05 23 00-0619	EA		4" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	505.73	184.58
			<i>For Work In Restricted Working Space, Add</i>	69.39	
23 05 23 00-0620	EA		5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	618.58	220.81
			<i>For Work In Restricted Working Space, Add</i>	83.10	
23 05 23 00-0621	EA		6" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	685.18	245.35
			<i>For Work In Restricted Working Space, Add</i>	92.00	
23 05 23 00-0622	EA		8" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	840.96	282.15
			<i>For Work In Restricted Working Space, Add</i>	105.15	
23 05 23 00-0623	EA		10" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,062.87	343.48
			<i>For Work In Restricted Working Space, Add</i>	128.81	
23 05 23 00-0624	EA		12" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,441.03	417.09
			<i>For Work In Restricted Working Space, Add</i>	156.13	
23 05 29 Hangers And Supports For HVAC Piping And Equipment <small>(23 05)</small>					
23 05 29 00-0001			Hangers And Supports <small>(23 05 29)</small>		
23 05 29 00-0002			Clevis Hangers <small>(23 05 29 00-0001)</small>		
23 05 29 00-0003			Steel Clevis Hanger (Cooper B-Line B3100) <small>(23 05 29 00-0002)</small>		
			Note: Type 1.		
23 05 29 00-0004	EA		1/2" Steel Clevis Hanger (Cooper B-Line B3100).....	13.34	5.83
			<i>For Work In Restricted Working Space, Add</i>	3.50	
23 05 29 00-0005	EA		3/4" Steel Clevis Hanger (Cooper B-Line B3100).....	14.63	6.47
			<i>For Work In Restricted Working Space, Add</i>	3.89	
23 05 29 00-0006	EA		1" Steel Clevis Hanger (Cooper B-Line B3100).....	15.37	6.47
			<i>For Work In Restricted Working Space, Add</i>	4.09	
23 05 29 00-0007	EA		1-1/4" Steel Clevis Hanger (Cooper B-Line B3100).....	16.01	7.01
			<i>For Work In Restricted Working Space, Add</i>	4.21	
23 05 29 00-0008	EA		1-1/2" Steel Clevis Hanger (Cooper B-Line B3100).....	16.23	7.01
			<i>For Work In Restricted Working Space, Add</i>	4.21	
23 05 29 00-0009	EA		2" Steel Clevis Hanger (Cooper B-Line B3100).....	17.04	7.12
			<i>For Work In Restricted Working Space, Add</i>	4.32	
23 05 29 00-0010	EA		2-1/2" Steel Clevis Hanger (Cooper B-Line B3100).....	19.11	7.38
			<i>For Work In Restricted Working Space, Add</i>	4.44	
23 05 29 00-0011	EA		3" Steel Clevis Hanger (Cooper B-Line B3100).....	20.64	7.77
			<i>For Work In Restricted Working Space, Add</i>	4.57	
23 05 29 00-0012	EA		3-1/2" Steel Clevis Hanger (Cooper B-Line B3100).....	21.44	8.53
			<i>For Work In Restricted Working Space, Add</i>	4.88	
23 05 29 00-0013	EA		4" Steel Clevis Hanger (Cooper B-Line B3100).....	23.78	9.07
			<i>For Work In Restricted Working Space, Add</i>	5.18	
23 05 29 00-0014	EA		5" Steel Clevis Hanger (Cooper B-Line B3100).....	30.70	10.85
			<i>For Work In Restricted Working Space, Add</i>	6.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0015 EA 6" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	37.03 7.77	12.95
23 05 29 00-0016 EA 8" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	50.80 9.71	16.20
23 05 29 00-0017 EA 10" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	76.00 12.95	22.02
23 05 29 00-0018 EA 12" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	89.93 14.57	24.28
23 05 29 00-0019 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) (23 05 29 00-0002)		
23 05 29 00-0020 EA 1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	17.79 3.50	5.83
23 05 29 00-0021 EA 3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	19.08 3.89	6.47
23 05 29 00-0022 EA 1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	19.92 4.09	6.47
23 05 29 00-0023 EA 1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	20.65 4.21	7.01
23 05 29 00-0024 EA 1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	21.22 4.21	7.01
23 05 29 00-0025 EA 2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	21.75 4.32	7.12
23 05 29 00-0026 EA 2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	24.85 4.44	7.38
23 05 29 00-0027 EA 3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	26.20 4.57	7.77
23 05 29 00-0028 EA 3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	29.31 5.18	9.07
23 05 29 00-0029 EA 4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	33.06 5.18	9.07
23 05 29 00-0030 EA 5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	56.89 6.51	10.85
23 05 29 00-0031 EA 6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	70.89 7.77	12.95
23 05 29 00-0032 EA 8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	83.80 9.71	16.20
23 05 29 00-0033 Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) (23 05 29 00-0002)		
23 05 29 00-0034 EA 1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	13.18 3.50	5.83
23 05 29 00-0035 EA 3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	14.50 3.89	6.47
23 05 29 00-0036 EA 1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	15.34 4.09	6.47
23 05 29 00-0037 EA 1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	15.76 4.21	7.01
23 05 29 00-0038 EA 1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	15.89 4.21	7.01
23 05 29 00-0039 EA 2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	16.35 4.32	7.12
23 05 29 00-0040 EA 2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	18.19 4.44	7.38
23 05 29 00-0041 EA 3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	19.09 4.57	7.77
23 05 29 00-0042 EA 3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	21.47 5.18	9.07
23 05 29 00-0043 EA 4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	22.36 5.18	9.07
23 05 29 00-0044 Extended Steel Clevis Hanger (Cooper B-Line B3108) (23 05 29 00-0002)		
23 05 29 00-0045 EA 3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	20.06 3.89	6.47
23 05 29 00-0046 EA 1" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	20.80 4.09	6.47
23 05 29 00-0047 EA 1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	21.19 4.21	7.01
23 05 29 00-0048 EA 1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	22.08 4.21	7.01
23 05 29 00-0049 EA 2" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	23.93 4.32	7.12
23 05 29 00-0050 EA 2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	25.90 4.44	7.38
23 05 29 00-0051 EA 3" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	27.31 4.57	7.77
23 05 29 00-0052 EA 4" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	33.19 5.18	9.07
23 05 29 00-0053 EA 5" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	41.92 6.51	10.85
23 05 29 00-0054 EA 6" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	52.06 7.77	12.95

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0055 EA 8" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	75.46	16.20
<i>For Work In Restricted Working Space, Add</i>	9.71	
23 05 29 00-0056 EA 10" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	106.89	22.02
<i>For Work In Restricted Working Space, Add</i>	12.95	
23 05 29 00-0057 EA 12" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	120.03	24.28
<i>For Work In Restricted Working Space, Add</i>	14.57	
23 05 29 00-0058 Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) <small>(23 05 29 00-0002)</small>		
23 05 29 00-0059 EA 2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	24.97	7.12
<i>For Work In Restricted Working Space, Add</i>	4.32	
23 05 29 00-0060 EA 2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	26.88	7.38
<i>For Work In Restricted Working Space, Add</i>	4.44	
23 05 29 00-0061 EA 3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	28.41	7.77
<i>For Work In Restricted Working Space, Add</i>	4.57	
23 05 29 00-0062 EA 3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	31.29	9.07
<i>For Work In Restricted Working Space, Add</i>	5.18	
23 05 29 00-0063 EA 4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	33.51	9.07
<i>For Work In Restricted Working Space, Add</i>	5.18	
23 05 29 00-0064 EA 5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	41.51	10.85
<i>For Work In Restricted Working Space, Add</i>	6.51	
23 05 29 00-0065 EA 6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	48.21	12.95
<i>For Work In Restricted Working Space, Add</i>	7.77	
23 05 29 00-0066 EA 8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	64.79	16.20
<i>For Work In Restricted Working Space, Add</i>	9.71	
23 05 29 00-0067 Adjustable Hangers <small>(23 05 29 00-0001)</small>		
23 05 29 00-0068 Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) <small>(23 05 29 00-0067)</small>		
<i>Note: Type 5.</i>		
23 05 29 00-0069 EA 1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	12.38	5.12
<i>For Work In Restricted Working Space, Add</i>	3.07	
23 05 29 00-0070 EA 3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	13.51	5.68
<i>For Work In Restricted Working Space, Add</i>	3.41	
23 05 29 00-0071 EA 1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	14.74	6.31
<i>For Work In Restricted Working Space, Add</i>	3.78	
23 05 29 00-0072 EA 1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	16.23	7.00
<i>For Work In Restricted Working Space, Add</i>	4.21	
23 05 29 00-0073 EA 1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	17.06	7.36
<i>For Work In Restricted Working Space, Add</i>	4.42	
23 05 29 00-0074 EA 2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	18.42	7.71
<i>For Work In Restricted Working Space, Add</i>	4.63	
23 05 29 00-0075 EA 2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	21.87	8.06
<i>For Work In Restricted Working Space, Add</i>	4.84	
23 05 29 00-0076 EA 3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	22.86	8.41
<i>For Work In Restricted Working Space, Add</i>	5.05	
23 05 29 00-0077 EA 4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	27.70	9.47
<i>For Work In Restricted Working Space, Add</i>	5.68	
23 05 29 00-0078 Adjustable Swivel Steel Ring (Cooper B-Line B3170) <small>(23 05 29 00-0067)</small>		
<i>Note: Type 10.</i>		
23 05 29 00-0079 EA 1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	13.93	6.47
<i>For Work In Restricted Working Space, Add</i>	3.89	
<i>For 304 Stainless Steel, Add</i>	6.47	
<i>For 316 Stainless Steel, Add</i>	8.33	
23 05 29 00-0080 EA 3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	14.70	6.47
<i>For Work In Restricted Working Space, Add</i>	4.09	
<i>For 304 Stainless Steel, Add</i>	7.06	
<i>For 316 Stainless Steel, Add</i>	9.10	
23 05 29 00-0081 EA 1" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	15.46	7.12
<i>For Work In Restricted Working Space, Add</i>	4.32	
<i>For 304 Stainless Steel, Add</i>	7.06	
<i>For 316 Stainless Steel, Add</i>	9.10	
23 05 29 00-0082 EA 1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	16.44	7.77
<i>For Work In Restricted Working Space, Add</i>	4.57	
<i>For 304 Stainless Steel, Add</i>	7.92	
<i>For 316 Stainless Steel, Add</i>	10.20	
23 05 29 00-0083 EA 1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	18.47	9.07
<i>For Work In Restricted Working Space, Add</i>	5.18	
<i>For 304 Stainless Steel, Add</i>	7.92	
<i>For 316 Stainless Steel, Add</i>	10.20	
23 05 29 00-0084 EA 2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	19.76	9.07
<i>For Work In Restricted Working Space, Add</i>	5.55	
<i>For 304 Stainless Steel, Add</i>	8.32	
<i>For 316 Stainless Steel, Add</i>	10.71	
23 05 29 00-0085 EA 2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	21.99	9.71
<i>For Work In Restricted Working Space, Add</i>	5.98	
<i>For 304 Stainless Steel, Add</i>	13.60	
<i>For 316 Stainless Steel, Add</i>	17.51	
23 05 29 00-0086 EA 3" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	23.74	11.01
<i>For Work In Restricted Working Space, Add</i>	6.48	
<i>For 304 Stainless Steel, Add</i>	14.19	
<i>For 316 Stainless Steel, Add</i>	18.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0087 EA 3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	26.52	11.82
<i>For Work In Restricted Working Space, Add</i>	7.09	
<i>For 304 Stainless Steel, Add</i>	19.01	
<i>For 316 Stainless Steel, Add</i>	24.48	
23 05 29 00-0088 EA 4" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	28.79	12.95
<i>For Work In Restricted Working Space, Add</i>	7.77	
<i>For 304 Stainless Steel, Add</i>	19.01	
<i>For 316 Stainless Steel, Add</i>	24.48	
23 05 29 00-0089 EA 5" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	35.11	14.57
<i>For Work In Restricted Working Space, Add</i>	8.74	
<i>For 304 Stainless Steel, Add</i>	39.40	
<i>For 316 Stainless Steel, Add</i>	50.75	
23 05 29 00-0090 EA 6" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	38.44	16.20
<i>For Work In Restricted Working Space, Add</i>	9.71	
<i>For 304 Stainless Steel, Add</i>	40.00	
<i>For 316 Stainless Steel, Add</i>	51.51	
23 05 29 00-0091 EA 8" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	46.05	19.43
<i>For Work In Restricted Working Space, Add</i>	11.66	
<i>For 304 Stainless Steel, Add</i>	47.52	
<i>For 316 Stainless Steel, Add</i>	61.20	
23 05 29 00-0092 Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) (23 05 29 00-0067)		
23 05 29 00-0093 EA 1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	14.58	6.47
<i>For Work In Restricted Working Space, Add</i>	3.89	
<i>For 304 Stainless Steel, Add</i>	10.76	
<i>For 316 Stainless Steel, Add</i>	13.86	
23 05 29 00-0094 EA 3/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	15.26	6.47
<i>For Work In Restricted Working Space, Add</i>	4.09	
<i>For 304 Stainless Steel, Add</i>	10.76	
<i>For 316 Stainless Steel, Add</i>	13.86	
23 05 29 00-0095 EA 1" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	16.02	7.12
<i>For Work In Restricted Working Space, Add</i>	4.32	
<i>For 304 Stainless Steel, Add</i>	10.76	
<i>For 316 Stainless Steel, Add</i>	13.86	
23 05 29 00-0096 EA 1-1/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	16.87	7.77
<i>For Work In Restricted Working Space, Add</i>	4.57	
<i>For 304 Stainless Steel, Add</i>	10.76	
<i>For 316 Stainless Steel, Add</i>	13.86	
23 05 29 00-0097 EA 1-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	19.04	9.07
<i>For Work In Restricted Working Space, Add</i>	5.18	
<i>For 304 Stainless Steel, Add</i>	11.68	
<i>For 316 Stainless Steel, Add</i>	15.05	
23 05 29 00-0098 EA 2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	20.27	9.07
<i>For Work In Restricted Working Space, Add</i>	5.55	
<i>For 304 Stainless Steel, Add</i>	11.68	
<i>For 316 Stainless Steel, Add</i>	15.05	
23 05 29 00-0099 EA 2-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	24.58	9.71
<i>For Work In Restricted Working Space, Add</i>	5.98	
<i>For 304 Stainless Steel, Add</i>	30.69	
<i>For 316 Stainless Steel, Add</i>	39.53	
23 05 29 00-0100 EA 3" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	27.35	11.01
<i>For Work In Restricted Working Space, Add</i>	6.48	
<i>For 304 Stainless Steel, Add</i>	38.02	
<i>For 316 Stainless Steel, Add</i>	48.96	
23 05 29 00-0101 EA 3-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	29.86	11.82
<i>For Work In Restricted Working Space, Add</i>	7.09	
<i>For 304 Stainless Steel, Add</i>	41.05	
<i>For 316 Stainless Steel, Add</i>	52.87	
23 05 29 00-0102 EA 4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	33.48	12.95
<i>For Work In Restricted Working Space, Add</i>	7.77	
<i>For 304 Stainless Steel, Add</i>	49.96	
<i>For 316 Stainless Steel, Add</i>	64.35	
23 05 29 00-0103 EA 5" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	36.82	14.57
<i>For Work In Restricted Working Space, Add</i>	8.74	
<i>For 304 Stainless Steel, Add</i>	50.69	
<i>For 316 Stainless Steel, Add</i>	65.28	
23 05 29 00-0104 EA 6" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	43.49	16.20
<i>For Work In Restricted Working Space, Add</i>	9.71	
<i>For 304 Stainless Steel, Add</i>	73.33	
<i>For 316 Stainless Steel, Add</i>	94.44	
23 05 29 00-0105 Roller Hangers (23 05 29 00-0001)		
23 05 29 00-0106 Single Pipe Roll (Cooper B-Line B3114) (23 05 29 00-0105)		
Note: Excludes rod and nuts. Type 41.		
23 05 29 00-0107 EA 2" Single Pipe Roll (Cooper B-Line B3114).....	24.30	5.19
Note: Excludes rod and nuts.		
<i>For Work In Restricted Working Space, Add</i>	3.11	
23 05 29 00-0108 EA 2-1/2" Single Pipe Roll (Cooper B-Line B3114).....	26.63	5.83
Note: Excludes rod and nuts.		
<i>For Work In Restricted Working Space, Add</i>	3.50	
23 05 29 00-0109 EA 3" Single Pipe Roll (Cooper B-Line B3114).....	29.40	6.80
Note: Excludes rod and nuts.		
<i>For Work In Restricted Working Space, Add</i>	4.08	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0110	EA		3-1/2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	33.87	7.78
			<i>For Work In Restricted Working Space, Add</i>	4.67	
23 05 29 00-0111	EA		4" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts.	48.36	8.75
			<i>For Work In Restricted Working Space, Add</i>	5.25	
23 05 29 00-0112	EA		5" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts.	41.68	9.72
			<i>For Work In Restricted Working Space, Add</i>	5.83	
23 05 29 00-0113	EA		6" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts.	52.20	11.66
			<i>For Work In Restricted Working Space, Add</i>	7.00	
23 05 29 00-0114	EA		8" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts.	72.00	13.61
			<i>For Work In Restricted Working Space, Add</i>	8.16	
23 05 29 00-0115	EA		10" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts.	85.31	16.21
			<i>For Work In Restricted Working Space, Add</i>	9.72	
23 05 29 00-0116			Adjustable Clevis Roller Hanger (Cooper B-Line B3110) <small>(23 05 29 00-0105)</small> Note: Type 43.		
23 05 29 00-0117	EA		2" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	35.39 5.28 117.41 151.22	9.15
23 05 29 00-0118	EA		2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	36.66 5.66 117.41 151.22	9.43
23 05 29 00-0119	EA		3" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	39.95 6.03 130.94 168.64	9.85
23 05 29 00-0120	EA		3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	47.52 6.33 174.31 224.49	10.56
23 05 29 00-0121	EA		4" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	49.87 7.04 174.31 224.49	11.97
23 05 29 00-0122	EA		5" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	56.59 7.73 203.48 262.06	12.88
23 05 29 00-0123	EA		6" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	66.43 8.45 252.65 325.38	14.08
23 05 29 00-0124	EA		8" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	92.49 10.56 378.18 487.05	17.60
23 05 29 00-0125	EA		10" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	115.18 14.08 450.52 580.21	23.93
23 05 29 00-0126	EA		12" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	153.14 15.84 662.31 852.98	26.40
23 05 29 00-0127			Roller Chair (Cooper B-Line B3120) <small>(23 05 29 00-0105)</small>		
23 05 29 00-0128	EA		2" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	34.21 5.28	9.15
23 05 29 00-0129	EA		2-1/2" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	36.91 5.66	9.43
23 05 29 00-0130	EA		3" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	38.56 6.03	9.85
23 05 29 00-0131	EA		3-1/2" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	44.61 6.33	10.56
23 05 29 00-0132	EA		4" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	49.74 7.04	11.97
23 05 29 00-0133	EA		5" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	54.31 7.73	12.88
23 05 29 00-0134	EA		6" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	67.92 8.45	14.08
23 05 29 00-0135	EA		8" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	88.95 10.56	17.60
23 05 29 00-0136	EA		10" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	114.36 14.08	23.93
23 05 29 00-0137	EA		12" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	150.99 15.84	26.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0138 EA 14" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	163.53 18.16	30.26
23 05 29 00-0139 EA 16" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	198.24 21.11	35.19
23 05 29 00-0140 EA 18" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	270.04 26.39	43.98
23 05 29 00-0141 EA 20" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	335.49 31.67	52.79
23 05 29 00-0142 Adjustable Roller Support (Cooper B-Line B3122) (23 05 29 00-0105)		
23 05 29 00-0143 EA 2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	39.68 5.28	9.15
23 05 29 00-0144 EA 2-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	44.99 5.66	9.43
23 05 29 00-0145 EA 3" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	47.18 6.03	9.85
23 05 29 00-0146 EA 3-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	49.89 6.33	10.56
23 05 29 00-0147 EA 4" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	60.79 7.04	11.97
23 05 29 00-0148 EA 5" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	69.29 7.73	12.88
23 05 29 00-0149 EA 6" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	81.44 8.45	14.08
23 05 29 00-0150 EA 8" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	116.78 10.56	17.60
23 05 29 00-0151 EA 10" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	144.37 14.08	23.93
23 05 29 00-0152 EA 12" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	167.61 15.84	26.40
23 05 29 00-0153 EA 14" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	243.07 18.16	30.26
23 05 29 00-0154 EA 16" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	292.30 21.11	35.19
23 05 29 00-0155 EA 18" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	328.57 26.39	43.98
23 05 29 00-0156 Adjustable Double Roller Support (Cooper B-Line B3122A) (23 05 29 00-0105)		
23 05 29 00-0157 EA 2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	40.00 5.28	9.15
23 05 29 00-0158 EA 2-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	45.28 5.66	9.43
23 05 29 00-0159 EA 3" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	47.65 6.03	9.85
23 05 29 00-0160 EA 3-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	49.47 6.33	10.56
23 05 29 00-0161 EA 4" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	63.99 7.04	11.97
23 05 29 00-0162 EA 5" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	73.05 7.73	12.88
23 05 29 00-0163 EA 6" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	85.92 8.45	14.08
23 05 29 00-0164 EA 8" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	123.73 10.56	17.60
23 05 29 00-0165 EA 10" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	152.70 14.08	23.93
23 05 29 00-0166 EA 12" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	177.37 15.84	26.40
23 05 29 00-0167 EA 14" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	258.67 18.16	30.26
23 05 29 00-0168 Pipe And Riser Clamps (23 05 29 00-0001)		
23 05 29 00-0169 Steel Pipe Clamp (Cooper B-Line B3140) (23 05 29 00-0168) Note: Type 4.		
23 05 29 00-0170 EA 1/2" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	12.55 2.52	4.20
23 05 29 00-0171 EA 3/4" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	12.69 2.57	4.27
23 05 29 00-0172 EA 1" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	12.86 2.61	4.34
23 05 29 00-0173 EA 1-1/4" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	14.26 2.65	4.41
23 05 29 00-0174 EA 1-1/2" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	14.40 2.69	4.48
23 05 29 00-0175 EA 2" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	15.50 2.74	4.55
23 05 29 00-0176 EA 2-1/2" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	16.16 2.82	4.69
23 05 29 00-0177 EA 3" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	17.22 2.90	4.83

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0178 EA 3-1/2" Steel Pipe Clamp (Cooper B-Line B3140).....	20.49	4.90
For Work In Restricted Working Space, Add	2.94	
23 05 29 00-0179 EA 4" Steel Pipe Clamp (Cooper B-Line B3140).....	23.29	6.31
For Work In Restricted Working Space, Add	3.78	
23 05 29 00-0180 EA 5" Steel Pipe Clamp (Cooper B-Line B3140).....	33.88	8.41
For Work In Restricted Working Space, Add	5.05	
23 05 29 00-0181 EA 6" Steel Pipe Clamp (Cooper B-Line B3140).....	47.17	10.51
For Work In Restricted Working Space, Add	6.31	
23 05 29 00-0182 EA 8" Steel Pipe Clamp (Cooper B-Line B3140).....	55.61	12.27
For Work In Restricted Working Space, Add	7.36	
23 05 29 00-0183 EA 10" Steel Pipe Clamp (Cooper B-Line B3140).....	84.07	14.02
For Work In Restricted Working Space, Add	8.41	
23 05 29 00-0184 EA 12" Steel Pipe Clamp (Cooper B-Line B3140).....	117.51	15.42
For Work In Restricted Working Space, Add	9.25	
23 05 29 00-0185 Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) (23 05 29 00-0168)		
23 05 29 00-0186 EA 3" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	28.87	4.54
For Work In Restricted Working Space, Add	2.70	
23 05 29 00-0187 EA 4" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	39.07	4.54
For Work In Restricted Working Space, Add	2.70	
23 05 29 00-0188 EA 5" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	43.09	4.69
For Work In Restricted Working Space, Add	2.82	
23 05 29 00-0189 EA 6" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	70.92	4.86
For Work In Restricted Working Space, Add	2.93	
23 05 29 00-0190 EA 8" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	77.29	5.18
For Work In Restricted Working Space, Add	3.11	
23 05 29 00-0191 EA 10" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	135.36	5.18
For Work In Restricted Working Space, Add	3.10	
23 05 29 00-0192 EA 12" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	221.10	5.83
For Work In Restricted Working Space, Add	3.50	
23 05 29 00-0193 EA 14" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	281.24	6.47
For Work In Restricted Working Space, Add	3.89	
23 05 29 00-0194 EA 16" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	305.22	7.77
For Work In Restricted Working Space, Add	4.66	
23 05 29 00-0195 EA 18" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	961.33	9.07
For Work In Restricted Working Space, Add	5.44	
23 05 29 00-0196 EA 20" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	1,105.58	9.71
For Work In Restricted Working Space, Add	5.83	
23 05 29 00-0197 EA 24" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	1,417.81	10.37
For Work In Restricted Working Space, Add	6.22	
23 05 29 00-0198 Steel Riser Clamp (Cooper B-Line B3373) (23 05 29 00-0168)		
Note: Type 8.		
23 05 29 00-0199 EA 1/2" Steel Riser Clamp (Cooper B-Line B3373).....	12.95	3.88
For Work In Restricted Working Space, Add	2.33	
23 05 29 00-0200 EA 3/4" Steel Riser Clamp (Cooper B-Line B3373).....	13.57	3.95
For Work In Restricted Working Space, Add	2.37	
23 05 29 00-0201 EA 1" Steel Riser Clamp (Cooper B-Line B3373).....	13.75	4.01
For Work In Restricted Working Space, Add	2.41	
23 05 29 00-0202 EA 1-1/4" Steel Riser Clamp (Cooper B-Line B3373).....	15.08	4.08
For Work In Restricted Working Space, Add	2.45	
23 05 29 00-0203 EA 1-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	15.75	4.14
For Work In Restricted Working Space, Add	2.49	
23 05 29 00-0204 EA 2" Steel Riser Clamp (Cooper B-Line B3373).....	16.16	4.21
For Work In Restricted Working Space, Add	2.53	
23 05 29 00-0205 EA 2-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	16.89	4.34
For Work In Restricted Working Space, Add	2.60	
23 05 29 00-0206 EA 3" Steel Riser Clamp (Cooper B-Line B3373).....	18.00	4.47
For Work In Restricted Working Space, Add	2.68	
23 05 29 00-0207 EA 3-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	20.10	4.54
For Work In Restricted Working Space, Add	2.72	
23 05 29 00-0208 EA 4" Steel Riser Clamp (Cooper B-Line B3373).....	24.14	5.83
For Work In Restricted Working Space, Add	3.50	
23 05 29 00-0209 EA 5" Steel Riser Clamp (Cooper B-Line B3373).....	31.02	7.77
For Work In Restricted Working Space, Add	4.66	
23 05 29 00-0210 EA 6" Steel Riser Clamp (Cooper B-Line B3373).....	39.46	9.71
For Work In Restricted Working Space, Add	5.83	
23 05 29 00-0211 EA 8" Steel Riser Clamp (Cooper B-Line B3373).....	55.46	11.33
For Work In Restricted Working Space, Add	6.80	
23 05 29 00-0212 EA 10" Steel Riser Clamp (Cooper B-Line B3373).....	74.43	12.95
For Work In Restricted Working Space, Add	7.77	
23 05 29 00-0213 EA 12" Steel Riser Clamp (Cooper B-Line B3373).....	91.17	14.25
For Work In Restricted Working Space, Add	8.55	
23 05 29 00-0214 EA 14" Steel Riser Clamp (Cooper B-Line B3373).....	125.38	15.54
For Work In Restricted Working Space, Add	9.33	
23 05 29 00-0215 EA 16" Steel Riser Clamp (Cooper B-Line B3373).....	248.91	16.84
For Work In Restricted Working Space, Add	10.10	
23 05 29 00-0216 Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) (23 05 29 00-0168)		
23 05 29 00-0217 EA 1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	25.27	3.88
For Work In Restricted Working Space, Add	2.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0218 EA 3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	25.66 2.37	3.95
23 05 29 00-0219 EA 1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	26.79 2.41	4.01
23 05 29 00-0220 EA 1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	28.82 2.45	4.08
23 05 29 00-0221 EA 1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	32.93 2.49	4.14
23 05 29 00-0222 EA 2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	35.14 2.53	4.21
23 05 29 00-0223 EA 2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	38.22 2.60	4.34
23 05 29 00-0224 EA 3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	42.22 2.68	4.47
23 05 29 00-0225 EA 4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	57.37 3.50	5.83
23 05 29 00-0226 Two Bolt Steel Underground Clamp (Cooper B-Line B3132) (23 05 29 00-0168) Note: Type 42		
23 05 29 00-0227 EA 4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	60.36 2.70	4.54
23 05 29 00-0228 EA 6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	63.97 2.93	4.86
23 05 29 00-0229 EA 8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	70.42 3.11	5.18
23 05 29 00-0230 EA 10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	75.47 3.10	5.18
23 05 29 00-0231 EA 12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	91.65 3.50	5.83
23 05 29 00-0232 Four Bolt Steel Underground Clamp (Cooper B-Line B3134) (23 05 29 00-0168)		
23 05 29 00-0233 EA 4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	55.43 2.70	4.54
23 05 29 00-0234 EA 6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	59.74 2.93	4.86
23 05 29 00-0235 EA 8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	107.20 3.11	5.18
23 05 29 00-0236 EA 10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	119.69 3.10	5.18
23 05 29 00-0237 EA 12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	173.18 3.50	5.83
23 05 29 00-0238 EA 14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	267.57 3.89	6.47
23 05 29 00-0239 EA 16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	359.67 4.66	7.77
23 05 29 00-0240 EA 18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	428.24 5.44	9.07
23 05 29 00-0241 EA 20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	628.95 5.83	9.71
23 05 29 00-0242 EA 24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	863.28 6.22	10.37
23 05 29 00-0243 Split Pipe Clamps And Rings (23 05 29 00-0001)		
23 05 29 00-0244 Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) (23 05 29 00-0243) Note: Type 6.		
23 05 29 00-0245 EA 3/4" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	21.87 3.58	5.96
23 05 29 00-0246 EA 1" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	23.16 3.78	6.31
23 05 29 00-0247 EA 1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	25.08 4.21	7.00
23 05 29 00-0248 EA 1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	27.16 4.42	7.36
23 05 29 00-0249 EA 2" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	29.54 4.63	7.71
23 05 29 00-0250 EA 2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	37.63 4.84	8.06
23 05 29 00-0251 EA 3" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	41.65 5.05	8.41
23 05 29 00-0252 EA 4" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	56.79 5.68	9.47
23 05 29 00-0253 EA 5" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	72.32 7.15	11.92
23 05 29 00-0254 EA 6" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	98.22 8.41	14.02
23 05 29 00-0255 Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) (23 05 29 00-0243) Note: Type 11.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0256	EA		1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198H).....	13.27	4.93
			<i>For Work In Restricted Working Space, Add</i>	3.02	
23 05 29 00-0257	EA		3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198H).....	14.04	4.93
			<i>For Work In Restricted Working Space, Add</i>	3.15	
23 05 29 00-0258	EA		1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198H).....	15.38	6.33
			<i>For Work In Restricted Working Space, Add</i>	3.52	
23 05 29 00-0259	EA		1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198H).....	16.90	6.33
			<i>For Work In Restricted Working Space, Add</i>	3.71	
23 05 29 00-0260	EA		1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198H).....	19.27	6.33
			<i>For Work In Restricted Working Space, Add</i>	3.84	
23 05 29 00-0261	EA		2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198H).....	22.89	7.03
			<i>For Work In Restricted Working Space, Add</i>	4.22	
23 05 29 00-0262	EA		2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198H).....	32.25	7.03
			<i>For Work In Restricted Working Space, Add</i>	4.40	
23 05 29 00-0263	EA		3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198H).....	36.26	7.74
			<i>For Work In Restricted Working Space, Add</i>	4.59	
23 05 29 00-0264	EA		4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198H).....	38.42	8.45
			<i>For Work In Restricted Working Space, Add</i>	5.03	
23 05 29 00-0265			Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) <small>(23 05 29 00-0243)</small>		
			Note: Type 12.		
23 05 29 00-0266	EA		1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	13.27	4.93
			<i>For Work In Restricted Working Space, Add</i>	3.02	
23 05 29 00-0267	EA		3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	14.04	5.28
			<i>For Work In Restricted Working Space, Add</i>	3.15	
23 05 29 00-0268	EA		1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	15.38	5.98
			<i>For Work In Restricted Working Space, Add</i>	3.52	
23 05 29 00-0269	EA		1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	16.90	6.33
			<i>For Work In Restricted Working Space, Add</i>	3.71	
23 05 29 00-0270	EA		1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	19.27	6.33
			<i>For Work In Restricted Working Space, Add</i>	3.84	
23 05 29 00-0271	EA		2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	22.89	7.03
			<i>For Work In Restricted Working Space, Add</i>	4.22	
23 05 29 00-0272	EA		2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	32.25	7.39
			<i>For Work In Restricted Working Space, Add</i>	4.40	
23 05 29 00-0273	EA		3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	36.26	7.74
			<i>For Work In Restricted Working Space, Add</i>	4.59	
23 05 29 00-0274			Pipe Straps <small>(23 05 29 00-0001)</small>		
23 05 29 00-0275			Standard Two Hole Pipe Strap, Steel (Cooper B-Line B2400) <small>(23 05 29 00-0274)</small>		
			Note: Type 26.		
23 05 29 00-0276	EA		1/2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B2400).....	10.14	3.52
			<i>For Work In Restricted Working Space, Add</i>	2.11	
23 05 29 00-0277	EA		3/4" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B2400).....	10.71	4.22
			<i>For Work In Restricted Working Space, Add</i>	2.22	
23 05 29 00-0278	EA		1" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B2400).....	11.19	4.22
			<i>For Work In Restricted Working Space, Add</i>	2.35	
23 05 29 00-0279	EA		1-1/4" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B2400).....	11.77	4.22
			<i>For Work In Restricted Working Space, Add</i>	2.48	
23 05 29 00-0280	EA		1-1/2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B2400).....	12.40	4.93
			<i>For Work In Restricted Working Space, Add</i>	2.64	
23 05 29 00-0281	EA		2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B2400).....	13.27	4.93
			<i>For Work In Restricted Working Space, Add</i>	2.81	
23 05 29 00-0282	EA		2-1/2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B2400).....	20.89	4.93
			<i>For Work In Restricted Working Space, Add</i>	3.02	
23 05 29 00-0283	EA		3" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B2400).....	23.12	4.93
			<i>For Work In Restricted Working Space, Add</i>	3.25	
23 05 29 00-0284	EA		4" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B2400).....	27.46	6.33
			<i>For Work In Restricted Working Space, Add</i>	3.80	
23 05 29 00-0285	EA		6" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B2400).....	34.47	7.03
			<i>For Work In Restricted Working Space, Add</i>	4.22	
23 05 29 00-0286	EA		8" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B2400).....	39.84	7.74
			<i>For Work In Restricted Working Space, Add</i>	4.64	
23 05 29 00-0287			2-Hole Copper Straps <small>(23 05 29 00-0274)</small>		
23 05 29 00-0288	EA		1/2" 2-Hole Copper Straps.....	3.75	
			<i>For Work In Restricted Working Space, Add</i>	1.06	
23 05 29 00-0289	EA		3/4" 2-Hole Copper Straps.....	4.07	
			<i>For Work In Restricted Working Space, Add</i>	1.11	
23 05 29 00-0290	EA		1" 2-Hole Copper Straps.....	2.05	
			<i>For Work In Restricted Working Space, Add</i>	0.48	
23 05 29 00-0291			Black Malleable Iron Clamps, 1 Hole <small>(23 05 29 00-0274)</small>		
23 05 29 00-0292	EA		1/2" Galvanized Steel Strap, 1 Hole.....	1.86	
			<i>For Work In Restricted Working Space, Add</i>	0.35	
23 05 29 00-0293	EA		3/4" Galvanized Steel Strap, 1 Hole.....	2.07	
			<i>For Work In Restricted Working Space, Add</i>	0.38	
23 05 29 00-0294	EA		1" Galvanized Steel Strap, 1 Hole.....	2.58	
			<i>For Work In Restricted Working Space, Add</i>	0.41	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0295	EA 1-1/4" Galvanized Steel Strap, 1 Hole <i>For Work In Restricted Working Space, Add</i>	.....	3.00 0.44	
23 05 29 00-0296	EA 1-1/2" Galvanized Steel Strap, 1 Hole <i>For Work In Restricted Working Space, Add</i>	.....	3.44 0.48	
23 05 29 00-0297	EA 2" Galvanized Steel Strap, 1 Hole <i>For Work In Restricted Working Space, Add</i>	.....	4.66 0.53	
23 05 29 00-0298	Pipe and Equipment Support Brackets <small>(23 05 29 00-0001)</small>			
23 05 29 00-0299	Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) <small>(23 05 29 00-0298)</small> Note: Up to 750# load.			
23 05 29 00-0300	EA 9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068) <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized, Add</i>	.....	100.92 4.66 17.08	7.77
23 05 29 00-0301	EA 13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068) <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized, Add</i>	.....	102.48 4.66 17.39	7.77
23 05 29 00-0302	EA 19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068) <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized, Add</i>	.....	108.66 4.66 18.62	7.77
23 05 29 00-0303	Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) <small>(23 05 29 00-0298)</small> Note: Up to 1500# load.			
23 05 29 00-0304	EA 12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066) <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized, Add</i>	.....	251.79 4.66 47.25	7.77
23 05 29 00-0305	EA 18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066) <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized, Add</i>	.....	296.21 4.66 56.13	7.77
23 05 29 00-0306	EA 24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066) <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized, Add</i>	.....	386.77 4.66 74.25	7.77
23 05 29 00-0307	Pipe Alignment Guide <small>(23 05 29 00-0001)</small>			
23 05 29 00-0308	Pipe Alignment Guide, 1" Insulation <small>(23 05 29 00-0307)</small>			
23 05 29 00-0309	EA 1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2)	.....	221.66	12.30
23 05 29 00-0310	EA 3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4)	.....	222.30	12.63
23 05 29 00-0311	EA 1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1)	.....	222.95	12.95
23 05 29 00-0312	EA 1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4)	.....	223.59	13.28
23 05 29 00-0313	EA 1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2)	.....	243.43	13.60
23 05 29 00-0314	EA 2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2)	.....	249.01	14.89
23 05 29 00-0315	EA 2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2)	.....	249.99	15.38
23 05 29 00-0316	EA 3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3)	.....	250.95	15.86
23 05 29 00-0317	EA 4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4)	.....	265.63	16.64
23 05 29 00-0318	EA 5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5)	.....	310.84	21.37
23 05 29 00-0319	EA 6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6)	.....	319.90	25.91
23 05 29 00-0320	EA 8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8)	.....	362.51	32.38
23 05 29 00-0321	EA 10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10)	.....	657.32	38.85
23 05 29 00-0322	EA 12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12)	.....	995.86	51.81
23 05 29 00-0323	EA 14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14)	.....	1,226.09	64.76
23 05 29 00-0324	EA 16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16)	.....	1,471.93	72.54
23 05 29 00-0325	EA 18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18)	.....	1,589.28	80.96
23 05 29 00-0326	EA 20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20)	.....	1,693.10	92.61
23 05 29 00-0327	EA 24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24)	.....	2,121.18	97.15
23 05 29 00-0328	Pipe Alignment Guide, 1-1/2" Insulation <small>(23 05 29 00-0307)</small>			
23 05 29 00-0329	EA 1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2)	.....	222.30	12.63
23 05 29 00-0330	EA 3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4)	.....	242.14	12.95
23 05 29 00-0331	EA 1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1)	.....	242.78	13.28
23 05 29 00-0332	EA 1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4)	.....	243.43	13.60
23 05 29 00-0333	EA 1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2)	.....	244.08	13.93
23 05 29 00-0334	EA 2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2)	.....	249.66	15.22
23 05 29 00-0335	EA 2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2)	.....	250.63	15.70
23 05 29 00-0336	EA 3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3)	.....	264.33	16.20
23 05 29 00-0337	EA 4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4)	.....	266.28	17.16
23 05 29 00-0338	EA 5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5)	.....	311.80	21.86
23 05 29 00-0339	EA 6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6)	.....	321.19	26.55
23 05 29 00-0340	EA 8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8)	.....	364.13	33.19
23 05 29 00-0341	EA 10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10)	.....	659.26	39.83
23 05 29 00-0342	EA 12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12)	.....	998.46	53.10
23 05 29 00-0343	EA 14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14)	.....	1,229.33	66.38
23 05 29 00-0344	EA 16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16)	.....	1,475.82	74.48
23 05 29 00-0345	EA 18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18)	.....	1,593.16	82.90
23 05 29 00-0346	EA 20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20)	.....	1,697.63	94.88
23 05 29 00-0347	EA 24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24)	.....	2,126.04	99.57

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0348			Pipe Alignment Guide, 2" Insulation <small>(23 05 29 00-0307)</small>		
23 05 29 00-0349	EA		1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2).....	242.14	12.95
23 05 29 00-0350	EA		3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4).....	245.77	13.28
23 05 29 00-0351	EA		1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1).....	246.42	13.60
23 05 29 00-0352	EA		1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4).....	247.07	13.93
23 05 29 00-0353	EA		1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2).....	247.72	14.25
23 05 29 00-0354	EA		2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2).....	263.04	15.54
23 05 29 00-0355	EA		2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2).....	264.33	16.20
23 05 29 00-0356	EA		3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3).....	265.14	16.60
23 05 29 00-0357	EA		4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4).....	303.06	17.49
23 05 29 00-0358	EA		5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5).....	312.77	22.35
23 05 29 00-0359	EA		6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6).....	352.15	27.20
23 05 29 00-0360	EA		8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8).....	398.62	34.00
23 05 29 00-0361	EA		10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10).....	661.20	40.80
23 05 29 00-0362	EA		12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12).....	1,001.05	54.40
23 05 29 00-0363	EA		14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14).....	1,232.56	68.01
23 05 29 00-0364	EA		16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16).....	1,479.55	76.35
23 05 29 00-0365	EA		18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18).....	1,597.38	85.00
23 05 29 00-0366	EA		20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20).....	1,702.16	97.15
23 05 29 00-0367	EA		24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24).....	2,130.90	102.00
23 05 29 00-0368			Pipe Alignment Guide, 2-1/2" Insulation <small>(23 05 29 00-0307)</small>		
23 05 29 00-0369	EA		1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2).....	245.77	13.28
23 05 29 00-0370	EA		3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4).....	259.15	13.60
23 05 29 00-0371	EA		1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1).....	259.80	13.93
23 05 29 00-0372	EA		1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4).....	260.45	14.25
23 05 29 00-0373	EA		1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2).....	261.09	14.57
23 05 29 00-0374	EA		2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2).....	263.68	15.86
23 05 29 00-0375	EA		2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2).....	265.14	16.60
23 05 29 00-0376	EA		3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3).....	302.09	17.00
23 05 29 00-0377	EA		4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4).....	303.71	17.81
23 05 29 00-0378	EA		5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5).....	343.09	22.67
23 05 29 00-0379	EA		6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6).....	353.44	27.85
23 05 29 00-0380	EA		8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8).....	649.22	34.81
23 05 29 00-0381	EA		10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10).....	975.79	41.77
23 05 29 00-0382	EA		12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12).....	1,207.96	55.69
23 05 29 00-0383	EA		14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14).....	1,236.00	69.62
23 05 29 00-0384	EA		16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16).....	1,483.59	78.36
23 05 29 00-0385	EA		18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18).....	1,601.58	87.11
23 05 29 00-0386	EA		20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20).....	1,707.02	99.57
23 05 29 00-0387	EA		24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24).....	2,136.08	104.59
23 05 29 00-0388			Pipe Alignment Guide, 3" Insulation <small>(23 05 29 00-0307)</small>		
23 05 29 00-0389	EA		1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2).....	259.15	13.60
23 05 29 00-0390	EA		3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4).....	259.80	13.93
23 05 29 00-0391	EA		1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1).....	260.45	14.25
23 05 29 00-0392	EA		1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4).....	261.09	14.57
23 05 29 00-0393	EA		1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2).....	261.74	14.89
23 05 29 00-0394	EA		2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2).....	300.47	16.20
23 05 29 00-0395	EA		2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2).....	302.09	17.00
23 05 29 00-0396	EA		3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3).....	303.06	17.49
23 05 29 00-0397	EA		4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4).....	334.27	18.26
23 05 29 00-0398	EA		5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5).....	344.38	23.31
23 05 29 00-0399	EA		6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6).....	387.61	28.50
23 05 29 00-0400	EA		8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8).....	650.84	35.62
23 05 29 00-0401	EA		10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10).....	977.73	42.75
23 05 29 00-0402	EA		12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12).....	1,210.54	57.00
23 05 29 00-0403	EA		14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14).....	1,239.24	71.24
23 05 29 00-0404	EA		16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16).....	1,487.48	80.31
23 05 29 00-0405	EA		18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18).....	1,605.48	89.05
23 05 29 00-0406	EA		20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20).....	1,711.88	102.00
23 05 29 00-0407	EA		24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24).....	2,141.26	107.18
23 05 29 00-0408			Pipe Alignment Guide, 3-1/2" Insulation <small>(23 05 29 00-0307)</small>		
23 05 29 00-0409	EA		1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2).....	259.80	13.93
23 05 29 00-0410	EA		3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4).....	296.59	14.25
23 05 29 00-0411	EA		1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1).....	297.23	14.57
23 05 29 00-0412	EA		1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4).....	297.88	14.89
23 05 29 00-0413	EA		1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2).....	298.53	15.22
23 05 29 00-0414	EA		2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2).....	301.28	16.60
23 05 29 00-0415	EA		2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2).....	302.93	17.43
23 05 29 00-0416	EA		3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3).....	333.60	17.92
23 05 29 00-0417	EA		4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4).....	335.31	18.78
23 05 29 00-0418	EA		5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5).....	378.54	23.96
23 05 29 00-0419	EA		6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6).....	637.89	29.14



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0420	EA			8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8).....	965.10	36.43
23 05 29 00-0421	EA			10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10).....	1,184.39	43.82
23 05 29 00-0422	EA			12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12).....	1,443.43	58.29
23 05 29 00-0423	EA			14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14).....	1,472.91	73.02
23 05 29 00-0424	EA			16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16).....	1,596.61	82.25
23 05 29 00-0425	EA			18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18).....	1,690.50	91.32
23 05 29 00-0426	EA			20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20).....	2,135.43	104.27
23 05 29 00-0427				Pipe Alignment Guide, 4" Insulation <small>(23 05 29 00-0307)</small>		
23 05 29 00-0428	EA			1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2).....	296.59	14.25
23 05 29 00-0429	EA			3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4).....	297.23	14.57
23 05 29 00-0430	EA			1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1).....	297.88	14.89
23 05 29 00-0431	EA			1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4).....	298.53	15.22
23 05 29 00-0432	EA			1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2).....	299.18	15.54
23 05 29 00-0433	EA			2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2).....	331.75	17.00
23 05 29 00-0434	EA			2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2).....	333.37	17.81
23 05 29 00-0435	EA			3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3).....	334.48	18.36
23 05 29 00-0436	EA			4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4).....	369.14	19.27
23 05 29 00-0437	EA			5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5).....	628.82	24.62
23 05 29 00-0438	EA			6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6).....	639.19	29.79
23 05 29 00-0439	EA			8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8).....	966.72	37.24
23 05 29 00-0440	EA			10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10).....	1,186.78	45.02
23 05 29 00-0441	EA			12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12).....	1,446.35	59.75
23 05 29 00-0442	EA			14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14).....	1,576.33	74.48
23 05 29 00-0443	EA			16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16).....	1,676.25	84.19
23 05 29 00-0444	EA			18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18).....	2,114.71	93.90
23 05 29 00-0445				Sway Bracing For No Hub Pipe <small>(23 05 29 00-0001)</small>		
23 05 29 00-0446	EA			1-1/2" Sway Bracing.....	79.56	8.55
				<i>For Work In Restricted Working Space, Add</i>	5.11	
23 05 29 00-0447	EA			2" Sway Bracing.....	82.00	9.01
				<i>For Work In Restricted Working Space, Add</i>	5.40	
23 05 29 00-0448	EA			3" Sway Bracing.....	84.96	9.52
				<i>For Work In Restricted Working Space, Add</i>	5.72	
23 05 29 00-0449	EA			4" Sway Bracing.....	96.44	10.82
				<i>For Work In Restricted Working Space, Add</i>	6.48	
23 05 29 00-0450	EA			6" Sway Bracing.....	141.53	16.20
				<i>For Work In Restricted Working Space, Add</i>	9.71	
23 05 29 00-0451	EA			8" Sway Bracing.....	157.04	20.21
				<i>For Work In Restricted Working Space, Add</i>	12.14	
23 05 29 00-0452	EA			10" Sway Bracing.....	177.50	27.01
				<i>For Work In Restricted Working Space, Add</i>	16.19	
23 05 29 00-0453				Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) <small>(23 05 29 00-0001)</small>		
				<i>Note: Heights listed is total for base and adjustable saddle</i>		
23 05 29 00-0454	EA			23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	117.25	6.47
				<i>For Work In Restricted Working Space, Add</i>	3.89	
23 05 29 00-0455	EA			24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	120.01	7.12
				<i>For Work In Restricted Working Space, Add</i>	4.28	
23 05 29 00-0456	EA			24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	214.01	8.10
				<i>For Work In Restricted Working Space, Add</i>	4.86	
23 05 29 00-0457	EA			24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	269.63	9.07
				<i>For Work In Restricted Working Space, Add</i>	5.44	
23 05 29 00-0458	EA			24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	273.57	10.03
				<i>For Work In Restricted Working Space, Add</i>	6.02	
23 05 29 00-0459	EA			25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	298.07	11.33
				<i>For Work In Restricted Working Space, Add</i>	6.80	
23 05 29 00-0460	EA			25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	358.83	12.30
				<i>For Work In Restricted Working Space, Add</i>	7.39	
23 05 29 00-0461	EA			25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	363.39	13.28
				<i>For Work In Restricted Working Space, Add</i>	7.97	
23 05 29 00-0462	EA			26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	369.28	14.57
				<i>For Work In Restricted Working Space, Add</i>	8.74	
23 05 29 00-0463	EA			28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	383.55	15.86
				<i>For Work In Restricted Working Space, Add</i>	9.52	
23 05 29 00-0464	EA			29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	408.43	17.49
				<i>For Work In Restricted Working Space, Add</i>	10.49	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0465 EA 30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	420.82	19.43
<i>For Work In Restricted Working Space, Add</i>	11.66	
23 05 29 00-0466 EA 32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	512.50	21.37
<i>For Work In Restricted Working Space, Add</i>	12.83	
23 05 29 00-0467 EA 33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	554.93	23.96
<i>For Work In Restricted Working Space, Add</i>	14.38	
23 05 29 00-0468 EA 35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	787.27	26.55
<i>For Work In Restricted Working Space, Add</i>	15.93	
23 05 29 00-0469 EA 36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	946.78	29.14
<i>For Work In Restricted Working Space, Add</i>	17.49	
23 05 29 00-0470 EA 39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,116.35	31.73
<i>For Work In Restricted Working Space, Add</i>	19.04	
23 05 29 00-0471 Channel Mounted Cushion Clamp <small>(23 05 29 00-0001)</small>		
Note: Includes fastening into channel.		
23 05 29 00-0472 EA 1/2" Channel Mounted Cushion Clamp For 3/8" Pipe	9.41	2.91
23 05 29 00-0473 EA 5/8" Channel Mounted Cushion Clamp For 1/2" Pipe	9.91	3.24
23 05 29 00-0474 EA 7/8" Channel Mounted Cushion Clamp For 3/4" Pipe	10.79	3.40
23 05 29 00-0475 EA 1-1/8" Channel Mounted Cushion Clamp For 1" Pipe	11.72	3.56
23 05 29 00-0476 EA 1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe	13.29	3.88
23 05 29 00-0477 EA 1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe	14.73	4.04
23 05 29 00-0478 EA 2-1/8" Channel Mounted Cushion Clamp For 2" Pipe	20.28	4.21
23 05 29 00-0479 EA 2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe	23.71	4.54
23 05 29 00-0480 EA 3-1/8" Channel Mounted Cushion Clamp For 3" Pipe	30.58	5.18
23 05 29 00-0481 EA 4-1/8" Channel Mounted Cushion Clamp For 4" Pipe	44.42	5.83
23 05 29 00-0482 Galvanized Steel Cushion Tube Clamp <small>(23 05 29 00-0001)</small>		
Note: Excludes fastening bolt and drilling if necessary.		
23 05 29 00-0483 EA 1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe	2.40	
Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0484 EA 1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe	2.46	
Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0485 EA 5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe	2.51	
Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0486 EA 5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe	2.62	
Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0487 EA 7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe	2.49	
Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0488 EA 7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe	2.69	
Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0489 EA 1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe	2.56	
Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0490 EA 1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe	2.81	
Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0491 EA 1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe	2.82	
Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0492 EA 1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe	2.68	
Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0493 EA 1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe	2.79	
Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0494 EA 1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe	3.14	
Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0495 EA 1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe	2.80	
Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0496 EA 1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe	3.03	
Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0497 EA 1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe	3.40	
Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0498 EA 2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe	3.43	
Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0499 EA 2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe	3.63	
Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0500 EA 2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe	4.04	
Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0501 EA 2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe	4.16	
Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0502 EA 2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe	4.77	
Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0503 EA 2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe	4.82	
Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0504 EA 3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe	4.29	
Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0505 EA 3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe	4.77	
Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0506 EA 3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe	5.06	
Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0507 EA 3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw	4.44	
23 05 29 00-0508 EA 3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw	4.74	
23 05 29 00-0509 EA 3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw	5.87	
23 05 29 00-0510 EA 4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe..... Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	4.41	
23 05 29 00-0511 EA 4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe..... Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	4.84	
23 05 29 00-0512 EA 4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe..... Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	6.12	
23 05 29 00-0513 Rooftop Pipe Supports <small>(23 05 29 00-0001)</small> Note: Excludes pipe/conduit clamps and straps.		
23 05 29 00-0514 Rooftop Support Base <small>(23 05 29 00-0513)</small>		
23 05 29 00-0515 EA 4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM).....	26.93	5.28
23 05 29 00-0516 EA 4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP).....	37.70	7.03
23 05 29 00-0517 Rooftop Support Base With 14 Gauge Galvanized Channel <small>(23 05 29 00-0513)</small>		
23 05 29 00-0518 EA 5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5).....	31.01	5.28
23 05 29 00-0519 EA 5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10).....	44.32	7.03
23 05 29 00-0520 EA 5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20).....	84.22	8.79
23 05 29 00-0521 EA 5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30).....	117.30	10.55
23 05 29 00-0522 EA 5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40).....	163.75	12.32
23 05 29 00-0523 EA 5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48).....	172.08	14.07
23 05 29 00-0524 Rooftop Support Base With 12 Gauge Galvanized Channel <small>(23 05 29 00-0513)</small>		
23 05 29 00-0525 EA 6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610).....	55.15	7.03
23 05 29 00-0526 EA 6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620).....	89.05	8.79
23 05 29 00-0527 EA 6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630).....	119.24	10.55
23 05 29 00-0528 EA 6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640).....	163.86	12.32
23 05 29 00-0529 EA 6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648).....	186.20	10.55
23 05 29 00-0530 Rooftop Bridge Support Base With 12 Gauge Galvanized Channel <small>(23 05 29 00-0513)</small>		
23 05 29 00-0531 EA 5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28).....	93.06	10.55
23 05 29 00-0532 EA 5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36).....	105.83	12.32
23 05 29 00-0533 EA 5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42).....	109.31	14.07
23 05 29 00-0534 EA 5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50).....	119.41	15.82
23 05 29 00-0535 EA 5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60).....	154.33	17.59
23 05 29 00-0536 Rooftop Pipe Support Base And Rod <small>(23 05 29 00-0513)</small>		
23 05 29 00-0537 EA 9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT).....	67.97	7.03
23 05 29 00-0538 EA 9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT).....	67.97	7.03
23 05 29 00-0539 EA 9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT).....	68.37	7.03
23 05 29 00-0540 EA 10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT).....	72.31	8.79
23 05 29 00-0541 EA 10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT).....	69.35	8.79
23 05 29 00-0542 EA 10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT).....	73.15	8.79
23 05 29 00-0543 Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly <small>(23 05 29 00-0513)</small>		
23 05 29 00-0544 EA 7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2).....	87.37	7.03
23 05 29 00-0545 EA 7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6).....	98.00	7.03
23 05 29 00-0546 EA 8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10).....	128.72	8.79
23 05 29 00-0547 EA 9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14).....	172.19	8.79
23 05 29 00-0548 EA 9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20).....	236.77	8.79
23 05 29 00-0549 Rooftop Support Base And Adjustable Height Roller Assembly <small>(23 05 29 00-0513)</small> Note: Includes base, two zinc all threaded rod risers and pipe roller.		
23 05 29 00-0550 EA Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12).....	107.80	10.55

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0551 Rooftop Support Base And Adjustable Height Channel Assembly <small>(23 05 29 00-0513)</small>		
Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
23 05 29 00-0552 EA Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8).....	69.54	8.79
23 05 29 00-0553 EA Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12).....	95.64	10.55
23 05 29 00-0554 EA Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16).....	106.32	12.32
23 05 29 00-0555 Rooftop Support Bases With Channel Support And Risers Assembly <small>(23 05 29 00-0513)</small>		
Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		
23 05 29 00-0556 EA 23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS).....	266.24	14.07
23 05 29 00-0557 EA 29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS).....	269.30	14.07
23 05 29 00-0558 EA 41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS).....	280.03	14.07
23 05 29 00-0559 EA 53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS).....	304.68	14.07
23 05 29 00-0560 EA 23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS).....	260.77	14.07
23 05 29 00-0561 EA 29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS).....	271.05	14.07
23 05 29 00-0562 EA 41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS).....	281.78	14.07
23 05 29 00-0563 EA 53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS).....	306.41	14.07
23 05 29 00-0564 EA 23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS).....	272.98	14.07
23 05 29 00-0565 EA 29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS).....	276.57	14.07
23 05 29 00-0566 EA 41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS).....	287.10	14.07
23 05 29 00-0567 EA 53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS).....	311.84	14.07
23 05 29 00-0568 EA 23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS).....	285.46	14.07
23 05 29 00-0569 EA 29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS).....	288.72	14.07
23 05 29 00-0570 EA 41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS).....	299.25	14.07
23 05 29 00-0571 EA 53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS).....	324.00	14.07
23 05 29 00-0572 Threaded Rod, Accessories And Attachments <small>(23 05 29)</small>		
23 05 29 00-0573 Threaded Rod And Rod Accessories <small>(23 05 29 00-0572)</small>		
23 05 29 00-0574 Threaded Rod <small>(23 05 29 00-0573)</small>		
Note: Fully threaded.		
23 05 29 00-0575 LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.17	0.44
For Work In Restricted Working Space, Add	0.26	
For Galvanized, Add	0.52	
For Zinc Plated, Add	0.37	
23 05 29 00-0576 LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.98	0.47
For Work In Restricted Working Space, Add	0.28	
For Galvanized, Add	0.82	
For Zinc Plated, Add	0.58	
23 05 29 00-0577 LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.14	0.48
For Work In Restricted Working Space, Add	0.29	
For Galvanized, Add	1.27	
For Zinc Plated, Add	0.90	
23 05 29 00-0578 LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.76	0.50
For Work In Restricted Working Space, Add	0.30	
For Galvanized, Add	2.30	
For Zinc Plated, Add	1.64	
23 05 29 00-0579 LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.37	0.51
For Work In Restricted Working Space, Add	0.31	
For Galvanized, Add	2.53	
For Zinc Plated, Add	1.80	
23 05 29 00-0580 LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.05	0.58
For Work In Restricted Working Space, Add	0.35	
For Galvanized, Add	3.55	
For Zinc Plated, Add	2.53	
23 05 29 00-0581 LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.50	0.66
For Work In Restricted Working Space, Add	0.39	
For Galvanized, Add	4.48	
For Zinc Plated, Add	3.19	
23 05 29 00-0582 Rod Couplings <small>(23 05 29 00-0573)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0583 EA 3/8" Diameter, Threaded Rod Coupling Nut .....5.21 <i>For Work In Restricted Working Space, Add</i> 1.30		
23 05 29 00-0584 EA 1/2" Diameter, Threaded Rod Coupling Nut .....5.91 <i>For Work In Restricted Working Space, Add</i> 1.44		
23 05 29 00-0585 EA 5/8" Diameter, Threaded Rod Coupling Nut .....7.38 <i>For Work In Restricted Working Space, Add</i> 1.62		
23 05 29 00-0586 EA 3/4" Diameter, Threaded Rod Coupling Nut .....8.99 <i>For Work In Restricted Working Space, Add</i> 1.77		
23 05 29 00-0587 EA 7/8" Diameter, Threaded Rod Coupling Nut .....13.14 <i>For Work In Restricted Working Space, Add</i> 1.94		
23 05 29 00-0588 EA 1" Diameter, Threaded Rod Coupling Nut .....15.58 <i>For Work In Restricted Working Space, Add</i> 2.29		
23 05 29 00-0589 EA 1-1/8" Diameter, Threaded Rod Coupling Nut .....29.72 <i>For Work In Restricted Working Space, Add</i> 2.59		
23 05 29 00-0590 Flat Washers <small>(23 05 29 00-0573)</small> Note: Zinc plated.		
23 05 29 00-0591 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....0.37 <i>For Work In Restricted Working Space, Add</i> 0.09 <i>For Galvanized, Add</i> 0.02		0.14
23 05 29 00-0592 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....0.50 <i>For Work In Restricted Working Space, Add</i> 0.10 <i>For Galvanized, Add</i> 0.04		0.14
23 05 29 00-0593 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....0.72 <i>For Work In Restricted Working Space, Add</i> 0.12 <i>For Galvanized, Add</i> 0.08		0.21
23 05 29 00-0594 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....0.97 <i>For Work In Restricted Working Space, Add</i> 0.15 <i>For Galvanized, Add</i> 0.12		0.21
23 05 29 00-0595 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....1.14 <i>For Work In Restricted Working Space, Add</i> 0.17 <i>For Galvanized, Add</i> 0.14		0.28
23 05 29 00-0596 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....1.34 <i>For Work In Restricted Working Space, Add</i> 0.20 <i>For Galvanized, Add</i> 0.17		0.28
23 05 29 00-0597 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....1.51 <i>For Work In Restricted Working Space, Add</i> 0.22 <i>For Galvanized, Add</i> 0.19		0.35
23 05 29 00-0598 Hex Nuts <small>(23 05 29 00-0573)</small> Note: Grade 2 and zinc plated.		
23 05 29 00-0599 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....0.46 <i>For Work In Restricted Working Space, Add</i> 0.12 <i>For Galvanized, Add</i> 0.02		0.17
23 05 29 00-0600 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....0.58 <i>For Work In Restricted Working Space, Add</i> 0.13 <i>For Galvanized, Add</i> 0.04		0.17
23 05 29 00-0601 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....0.79 <i>For Work In Restricted Working Space, Add</i> 0.14 <i>For Galvanized, Add</i> 0.08		0.17
23 05 29 00-0602 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....0.92 <i>For Work In Restricted Working Space, Add</i> 0.14 <i>For Galvanized, Add</i> 0.11		0.35
23 05 29 00-0603 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....1.33 <i>For Work In Restricted Working Space, Add</i> 0.15 <i>For Galvanized, Add</i> 0.21		0.35
23 05 29 00-0604 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....1.70 <i>For Work In Restricted Working Space, Add</i> 0.17 <i>For Galvanized, Add</i> 0.28		0.35
23 05 29 00-0605 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....2.78 <i>For Work In Restricted Working Space, Add</i> 0.20 <i>For Galvanized, Add</i> 0.53		0.35
23 05 29 00-0606 Turnbuckle (Cooper B-Line B3202) <small>(23 05 29 00-0573)</small> Note: Type 13.		
23 05 29 00-0607 EA 3/8" Turnbuckle (Cooper B-Line B3202) .....20.93 <i>For Work In Restricted Working Space, Add</i> 2.11		3.52
23 05 29 00-0608 EA 1/2" Turnbuckle (Cooper B-Line B3202) .....25.10 <i>For Work In Restricted Working Space, Add</i> 2.35		3.87
23 05 29 00-0609 EA 5/8" Turnbuckle (Cooper B-Line B3202) .....26.86 <i>For Work In Restricted Working Space, Add</i> 2.64		4.22
23 05 29 00-0610 EA 3/4" Turnbuckle (Cooper B-Line B3202) .....34.25 <i>For Work In Restricted Working Space, Add</i> 3.02		4.93
23 05 29 00-0611 EA 7/8" Turnbuckle (Cooper B-Line B3202) .....44.90 <i>For Work In Restricted Working Space, Add</i> 3.52		5.28
23 05 29 00-0612 EA 1" Turnbuckle (Cooper B-Line B3202) .....55.94 <i>For Work In Restricted Working Space, Add</i> 4.22		5.63
23 05 29 00-0613 EA 1-1/8" Turnbuckle (Cooper B-Line B3202) .....78.45 <i>For Work In Restricted Working Space, Add</i> 5.28		6.33

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0614 Swivel Turnbuckle (Cooper B-Line B3224) (23 05 29 00-0573) Note: Type 15.		
23 05 29 00-0615 EA 3/8" Swivel Turnbuckle (Cooper B-Line B3224).....	12.15	3.52
For Work In Restricted Working Space, Add	2.11	
23 05 29 00-0616 EA 1/2" Swivel Turnbuckle (Cooper B-Line B3224).....	14.20	3.94
For Work In Restricted Working Space, Add	2.35	
23 05 29 00-0617 EA 5/8" Swivel Turnbuckle (Cooper B-Line B3224).....	19.50	4.37
For Work In Restricted Working Space, Add	2.64	
23 05 29 00-0618 EA 3/4" Swivel Turnbuckle (Cooper B-Line B3224).....	23.82	5.00
For Work In Restricted Working Space, Add	3.02	
23 05 29 00-0619 Forged Steel Clevis (Cooper B-Line B3201) (23 05 29 00-0573) Note: Type 14.		
23 05 29 00-0620 EA 3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201).....	74.29	6.47
For Work In Restricted Working Space, Add	3.89	
23 05 29 00-0621 EA 4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201).....	111.96	6.80
For Work In Restricted Working Space, Add	4.09	
23 05 29 00-0622 EA 5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201).....	121.25	7.12
For Work In Restricted Working Space, Add	4.32	
23 05 29 00-0623 EA 5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201).....	126.16	7.77
For Work In Restricted Working Space, Add	4.57	
23 05 29 00-0624 EA 5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201).....	132.24	8.74
For Work In Restricted Working Space, Add	5.18	
23 05 29 00-0625 EA 6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201).....	223.01	11.33
For Work In Restricted Working Space, Add	6.80	
23 05 29 00-0626 EA 5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201).....	241.49	12.95
For Work In Restricted Working Space, Add	7.77	
23 05 29 00-0627 EA 7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201).....	283.88	16.20
For Work In Restricted Working Space, Add	9.71	
23 05 29 00-0628 Welded Eye Rod (Cooper B-Line B3211) (23 05 29 00-0573)		
23 05 29 00-0629 EA 3/8" Diameter x 8" Length Shank, Welded Eye Rod.....	20.55	3.80
For Work In Restricted Working Space, Add	2.29	
23 05 29 00-0630 EA 3/8" Diameter x 10" Length Shank, Welded Eye Rod.....	21.25	3.87
For Work In Restricted Working Space, Add	2.33	
23 05 29 00-0631 EA 3/8" Diameter x 12" Length Shank, Welded Eye Rod.....	21.95	3.94
For Work In Restricted Working Space, Add	2.37	
23 05 29 00-0632 EA 3/8" Diameter x 14" Length Shank, Welded Eye Rod.....	22.10	4.01
For Work In Restricted Working Space, Add	2.42	
23 05 29 00-0633 EA 3/8" Diameter x 18" Length Shank, Welded Eye Rod.....	23.51	4.15
For Work In Restricted Working Space, Add	2.51	
23 05 29 00-0634 EA 3/8" Diameter x 24" Length Shank, Welded Eye Rod.....	25.08	4.43
For Work In Restricted Working Space, Add	2.64	
23 05 29 00-0635 EA 3/8" Diameter x 30" Length Shank, Welded Eye Rod.....	26.07	4.65
For Work In Restricted Working Space, Add	2.77	
23 05 29 00-0636 EA 3/8" Diameter x 36" Length Shank, Welded Eye Rod.....	28.21	4.86
For Work In Restricted Working Space, Add	2.90	
23 05 29 00-0637 EA 3/8" Diameter x 42" Length Shank, Welded Eye Rod.....	29.77	5.07
For Work In Restricted Working Space, Add	3.04	
23 05 29 00-0638 EA 3/8" Diameter x 48" Length Shank, Welded Eye Rod.....	31.33	5.28
For Work In Restricted Working Space, Add	3.17	
23 05 29 00-0639 EA 1/2" Diameter x 8" Length Shank, Welded Eye Rod.....	28.09	4.22
For Work In Restricted Working Space, Add	2.53	
23 05 29 00-0640 EA 1/2" Diameter x 10" Length Shank, Welded Eye Rod.....	28.79	4.30
For Work In Restricted Working Space, Add	2.58	
23 05 29 00-0641 EA 1/2" Diameter x 12" Length Shank, Welded Eye Rod.....	29.53	4.37
For Work In Restricted Working Space, Add	2.63	
23 05 29 00-0642 EA 1/2" Diameter x 14" Length Shank, Welded Eye Rod.....	30.24	4.44
For Work In Restricted Working Space, Add	2.67	
23 05 29 00-0643 EA 1/2" Diameter x 18" Length Shank, Welded Eye Rod.....	31.67	4.58
For Work In Restricted Working Space, Add	2.77	
23 05 29 00-0644 EA 1/2" Diameter x 24" Length Shank, Welded Eye Rod.....	34.38	4.86
For Work In Restricted Working Space, Add	2.90	
23 05 29 00-0645 EA 1/2" Diameter x 30" Length Shank, Welded Eye Rod.....	36.54	5.07
For Work In Restricted Working Space, Add	3.05	
23 05 29 00-0646 EA 1/2" Diameter x 36" Length Shank, Welded Eye Rod.....	39.26	5.28
For Work In Restricted Working Space, Add	3.19	
23 05 29 00-0647 EA 1/2" Diameter x 42" Length Shank, Welded Eye Rod.....	41.39	5.56
For Work In Restricted Working Space, Add	3.33	
23 05 29 00-0648 EA 1/2" Diameter x 48" Length Shank, Welded Eye Rod.....	43.56	5.77
For Work In Restricted Working Space, Add	3.47	
23 05 29 00-0649 EA 5/8" Diameter x 8" Length Shank, Welded Eye Rod.....	38.64	4.72
For Work In Restricted Working Space, Add	2.84	
23 05 29 00-0650 EA 5/8" Diameter x 10" Length Shank, Welded Eye Rod.....	39.91	4.79
For Work In Restricted Working Space, Add	2.88	
23 05 29 00-0651 EA 5/8" Diameter x 12" Length Shank, Welded Eye Rod.....	41.21	4.86
For Work In Restricted Working Space, Add	2.93	
23 05 29 00-0652 EA 5/8" Diameter x 14" Length Shank, Welded Eye Rod.....	41.93	5.00
For Work In Restricted Working Space, Add	2.98	
23 05 29 00-0653 EA 5/8" Diameter x 18" Length Shank, Welded Eye Rod.....	43.93	5.14
For Work In Restricted Working Space, Add	3.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0654 EA 5/8" Diameter x 24" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	47.23 3.22	5.34
23 05 29 00-0655 EA 5/8" Diameter x 30" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	50.51 3.37	5.63
23 05 29 00-0656 EA 5/8" Diameter x 36" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	53.24 3.51	5.84
23 05 29 00-0657 EA 5/8" Diameter x 42" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	56.54 3.66	6.12
23 05 29 00-0658 EA 5/8" Diameter x 48" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	59.82 3.80	6.33
23 05 29 00-0659 EA 3/4" Diameter x 8" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	47.77 3.22	5.34
23 05 29 00-0660 EA 3/4" Diameter x 10" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	49.63 3.27	5.41
23 05 29 00-0661 EA 3/4" Diameter x 12" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	50.91 3.32	5.56
23 05 29 00-0662 EA 3/4" Diameter x 14" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	52.76 3.37	5.63
23 05 29 00-0663 EA 3/4" Diameter x 18" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	55.91 3.47	5.77
23 05 29 00-0664 EA 3/4" Diameter x 24" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	60.32 3.62	6.05
23 05 29 00-0665 EA 3/4" Diameter x 30" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	64.75 3.77	6.26
23 05 29 00-0666 EA 3/4" Diameter x 36" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	69.74 3.92	6.54
23 05 29 00-0667 EA 3/4" Diameter x 42" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	74.72 4.07	6.76
23 05 29 00-0668 EA 3/4" Diameter x 48" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	79.16 4.22	7.04
23 05 29 00-0669 EA 7/8" Diameter x 8" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	57.34 3.74	6.19
23 05 29 00-0670 EA 7/8" Diameter x 10" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	59.76 3.79	6.33
23 05 29 00-0671 EA 7/8" Diameter x 12" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	61.63 3.84	6.40
23 05 29 00-0672 EA 7/8" Diameter x 14" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	63.47 3.89	6.47
23 05 29 00-0673 EA 7/8" Diameter x 18" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	67.21 4.00	6.69
23 05 29 00-0674 EA 7/8" Diameter x 24" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	73.32 4.15	6.90
23 05 29 00-0675 EA 7/8" Diameter x 30" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	78.89 4.31	7.18
23 05 29 00-0676 EA 7/8" Diameter x 36" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	85.02 4.46	7.46
23 05 29 00-0677 EA 7/8" Diameter x 42" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	90.60 4.62	7.67
23 05 29 00-0678 EA 7/8" Diameter x 48" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	96.17 4.78	7.96
23 05 29 00-0679 EA 1" Diameter x 8" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	72.09 4.46	7.46
23 05 29 00-0680 EA 1" Diameter x 10" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	74.54 4.52	7.53
23 05 29 00-0681 EA 1" Diameter x 12" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	77.00 4.58	7.60
23 05 29 00-0682 EA 1" Diameter x 14" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	79.42 4.63	7.74
23 05 29 00-0683 EA 1" Diameter x 18" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	84.28 4.75	7.96
23 05 29 00-0684 EA 1" Diameter x 24" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	91.62 4.93	8.24
23 05 29 00-0685 EA 1" Diameter x 30" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	98.95 5.10	8.52
23 05 29 00-0686 EA 1" Diameter x 36" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	106.81 5.28	8.79
23 05 29 00-0687 EA 1" Diameter x 42" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	114.13 5.45	9.07
23 05 29 00-0688 EA 1" Diameter x 48" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	121.46 5.63	9.36
23 05 29 00-0689 Welded Linked Eye Rod (Cooper B-Line B3211X) (23 05 29 00-0573)		
23 05 29 00-0690 EA 3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	45.08 3.10	5.14
23 05 29 00-0691 EA 3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	46.30 3.18	5.28
23 05 29 00-0692 EA 3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	47.51 3.27	5.48
23 05 29 00-0693 EA 3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	47.96 3.41	5.69
23 05 29 00-0694 EA 3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	50.24 3.53	5.91

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0695 EA 3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	53.03	6.33
For Work In Restricted Working Space, Add	3.80	
23 05 29 00-0696 EA 3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	54.83	6.75
For Work In Restricted Working Space, Add	4.07	
23 05 29 00-0697 EA 3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	58.52	7.25
For Work In Restricted Working Space, Add	4.33	
23 05 29 00-0698 EA 1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	58.99	5.70
For Work In Restricted Working Space, Add	3.42	
23 05 29 00-0699 EA 1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	60.23	5.84
For Work In Restricted Working Space, Add	3.52	
23 05 29 00-0700 EA 1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	61.51	5.98
For Work In Restricted Working Space, Add	3.61	
23 05 29 00-0701 EA 1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	62.91	6.26
For Work In Restricted Working Space, Add	3.75	
23 05 29 00-0702 EA 1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	65.23	6.47
For Work In Restricted Working Space, Add	3.89	
23 05 29 00-0703 EA 1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	69.91	6.97
For Work In Restricted Working Space, Add	4.17	
23 05 29 00-0704 EA 1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	73.66	7.39
For Work In Restricted Working Space, Add	4.45	
23 05 29 00-0705 EA 1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	78.34	7.88
For Work In Restricted Working Space, Add	4.73	
23 05 29 00-0706 EA 5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	79.93	6.33
For Work In Restricted Working Space, Add	3.82	
23 05 29 00-0707 EA 5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	82.10	6.54
For Work In Restricted Working Space, Add	3.92	
23 05 29 00-0708 EA 5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	84.31	6.69
For Work In Restricted Working Space, Add	4.01	
23 05 29 00-0709 EA 5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	85.73	6.97
For Work In Restricted Working Space, Add	4.16	
23 05 29 00-0710 EA 5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	89.03	7.18
For Work In Restricted Working Space, Add	4.31	
23 05 29 00-0711 EA 5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	94.69	7.67
For Work In Restricted Working Space, Add	4.60	
23 05 29 00-0712 EA 5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	100.31	8.17
For Work In Restricted Working Space, Add	4.89	
23 05 29 00-0713 EA 5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	105.02	8.66
For Work In Restricted Working Space, Add	5.18	
23 05 29 00-0714 EA 3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	101.71	7.18
For Work In Restricted Working Space, Add	4.33	
23 05 29 00-0715 EA 3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	104.87	7.39
For Work In Restricted Working Space, Add	4.43	
23 05 29 00-0716 EA 3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	107.05	7.53
For Work In Restricted Working Space, Add	4.52	
23 05 29 00-0717 EA 3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	110.36	7.81
For Work In Restricted Working Space, Add	4.67	
23 05 29 00-0718 EA 3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	115.54	8.03
For Work In Restricted Working Space, Add	4.82	
23 05 29 00-0719 EA 3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	123.06	8.52
For Work In Restricted Working Space, Add	5.12	
23 05 29 00-0720 EA 3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	130.61	9.00
For Work In Restricted Working Space, Add	5.42	
23 05 29 00-0721 EA 3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	139.11	9.57
For Work In Restricted Working Space, Add	5.72	
23 05 29 00-0722 EA 7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	122.41	8.31
For Work In Restricted Working Space, Add	5.00	
23 05 29 00-0723 EA 7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	126.51	8.52
For Work In Restricted Working Space, Add	5.11	
23 05 29 00-0724 EA 7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	129.66	8.66
For Work In Restricted Working Space, Add	5.21	
23 05 29 00-0725 EA 7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	132.98	8.93
For Work In Restricted Working Space, Add	5.37	
23 05 29 00-0726 EA 7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	139.13	9.22
For Work In Restricted Working Space, Add	5.52	
23 05 29 00-0727 EA 7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	149.52	9.71
For Work In Restricted Working Space, Add	5.84	
23 05 29 00-0728 EA 7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	158.97	10.27
For Work In Restricted Working Space, Add	6.15	
23 05 29 00-0729 EA 7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	169.35	10.77
For Work In Restricted Working Space, Add	6.46	
23 05 29 00-0730 EA 1" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	156.44	9.92
For Work In Restricted Working Space, Add	5.96	
23 05 29 00-0731 EA 1" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	160.59	10.13
For Work In Restricted Working Space, Add	6.08	
23 05 29 00-0732 EA 1" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	164.71	10.35
For Work In Restricted Working Space, Add	6.19	
23 05 29 00-0733 EA 1" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	169.06	10.63
For Work In Restricted Working Space, Add	6.37	
23 05 29 00-0734 EA 1" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	177.09	10.91
For Work In Restricted Working Space, Add	6.55	
23 05 29 00-0735 EA 1" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	189.50	11.47
For Work In Restricted Working Space, Add	6.90	
23 05 29 00-0736 EA 1" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	201.92	12.11
For Work In Restricted Working Space, Add	7.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0737 EA 1" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	215.20 7.60	12.66
23 05 29 00-0738 Attachments <small>(23 05 29 00-0572)</small>		
23 05 29 00-0739 Welded Beam Attachments (B-Line B-3083) <small>(23 05 29 00-0738)</small> Note: Type 22.		
23 05 29 00-0740 EA 3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	31.68 3.95	6.58
23 05 29 00-0741 EA 1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	33.84 4.16	6.91
23 05 29 00-0742 EA 5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	36.05 4.39	7.31
23 05 29 00-0743 EA 3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	46.52 4.65	7.78
23 05 29 00-0744 EA 7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	56.17 4.94	8.24
23 05 29 00-0745 EA 1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	79.41 5.65	9.42
23 05 29 00-0746 EA 1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	113.59 5.93	9.88
23 05 29 00-0747 C-Clamp Style Beam Clamps (B-Line B-3034) <small>(23 05 29 00-0738)</small> Note: Type 23. Top or bottom flange mount.		
23 05 29 00-0748 EA 3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	11.06 2.64	3.59
23 05 29 00-0749 EA 1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	13.31 2.82	4.58
23 05 29 00-0750 EA 5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	15.15 3.02	4.93
23 05 29 00-0751 EA 3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	19.68 3.25	5.28
23 05 29 00-0752 EA 7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	28.92 3.52	5.63
23 05 29 00-0753 Bottom Mount I-Beam Clamps (B-Line B-3055) <small>(23 05 29 00-0738)</small> Note: Type 21. For attaching threaded rod centered under beam flanges.		
23 05 29 00-0754 EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	31.61 3.52	4.93
23 05 29 00-0755 EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	46.88 3.84	6.33
23 05 29 00-0756 EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	67.36 4.22	7.04
23 05 29 00-0757 EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	80.74 4.69	7.74
23 05 29 00-0758 EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	197.34 5.28	8.45
23 05 29 00-0759 Steel U-Bolts (B-Line B-3188) <small>(23 05 29 00-0738)</small> Note: Type 24. Includes plate and nuts.		
23 05 29 00-0760 EA 1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	9.02 2.11	1.75
23 05 29 00-0761 EA 3/4" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	9.82 2.22	2.11
23 05 29 00-0762 EA 1" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	10.58 2.35	2.11
23 05 29 00-0763 EA 1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	12.08 2.48	2.11
23 05 29 00-0764 EA 1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	12.45 2.64	2.46
23 05 29 00-0765 EA 2" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	13.33 2.81	2.46
23 05 29 00-0766 EA 2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	19.52 3.02	2.46
23 05 29 00-0767 EA 3" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	21.54 3.25	2.81
23 05 29 00-0768 EA 4" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	26.15 3.52	3.16
23 05 29 00-0769 Copper Standoff Brackets With Flange <small>(23 05 29 00-0738)</small> Note: Installed in wood, concrete, concrete block or steel.		
23 05 29 00-0770 EA Clamp Size 1/2", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	21.70 6.03	10.06
23 05 29 00-0771 EA Clamp Size 3/4", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	21.80 6.03	10.06
23 05 29 00-0772 EA Clamp Size 1", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	21.89 6.03	10.06
23 05 29 00-0773 EA Clamp Size 1 1/4", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	23.31 6.40	10.70

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0774	EA		Clamp Size 1 1/2", Copper Standoff Brackets With Flange <i>For Work In Restricted Working Space, Add</i>	23.50 6.40	10.70
23 05 29 00-0775			Malleable Iron Eye Sockets (B-Line B-3222) (23 05 29 00-0738) Note: Type 16.		
23 05 29 00-0776	EA		3/8" Rod Size, Malleable Iron Eye Socket <i>For Work In Restricted Working Space, Add</i>	7.15 0.64	1.06
23 05 29 00-0777	EA		1/2" Rod Size, Malleable Iron Eye Socket <i>For Work In Restricted Working Space, Add</i>	9.10 0.84	1.41
23 05 29 00-0778	EA		5/8" Rod Size, Malleable Iron Eye Socket <i>For Work In Restricted Working Space, Add</i>	15.75 0.85	1.41
23 05 29 00-0779	EA		3/4" Rod Size, Malleable Iron Eye Socket <i>For Work In Restricted Working Space, Add</i>	22.28 0.84	1.41
23 05 29 00-0780	EA		7/8" Rod Size, Malleable Iron Eye Socket <i>For Work In Restricted Working Space, Add</i>	24.03 1.06	1.75
23 05 29 00-0781			Steel Weldless Eye Nuts (B-Line B-3200) (23 05 29 00-0738) Note: Type 17.		
23 05 29 00-0782	EA		3/8" Rod Size, Steel Weldless Eye Nut <i>For Work In Restricted Working Space, Add</i>	23.55 0.64	1.06
23 05 29 00-0783	EA		1/2" Rod Size, Steel Weldless Eye Nut <i>For Work In Restricted Working Space, Add</i>	24.22 0.84	1.41
23 05 29 00-0784	EA		5/8" Rod Size, Steel Weldless Eye Nut <i>For Work In Restricted Working Space, Add</i>	24.25 0.85	1.41
23 05 29 00-0785	EA		3/4" Rod Size, Steel Weldless Eye Nut <i>For Work In Restricted Working Space, Add</i>	24.22 0.84	1.41
23 05 29 00-0786	EA		7/8" Rod Size, Steel Weldless Eye Nut <i>For Work In Restricted Working Space, Add</i>	47.36 0.95	1.55
23 05 29 00-0787	EA		1" Rod Size, Steel Weldless Eye Nut <i>For Work In Restricted Working Space, Add</i>	47.71 1.06	1.75
23 05 29 00-0788			Top Mount I-Beam Clamps (B-Line B-3042) (23 05 29 00-0738) Note: For attaching threaded rod to either side of an I-beam.		
23 05 29 00-0789	EA		3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	15.67 1.97	3.29
23 05 29 00-0790	EA		1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	18.90 2.18	3.62
23 05 29 00-0791	EA		5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	22.94 2.39	3.95
23 05 29 00-0792	EA		3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	31.69 2.52	4.28
23 05 29 00-0793	EA		7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	48.80 2.96	4.94
23 05 29 00-0794	EA		3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	16.52 1.97	3.29
23 05 29 00-0795	EA		1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	20.09 2.18	3.62
23 05 29 00-0796	EA		5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	22.94 2.39	3.95
23 05 29 00-0797	EA		3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	34.82 2.52	4.28
23 05 29 00-0798	EA		7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	54.16 2.96	4.94
23 05 29 00-0799	EA		3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	18.48 1.97	3.29
23 05 29 00-0800	EA		1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	22.30 2.18	3.62
23 05 29 00-0801	EA		5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	28.11 2.39	3.95
23 05 29 00-0802	EA		3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	40.69 2.52	4.28
23 05 29 00-0803	EA		7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	65.63 2.96	4.94
23 05 29 00-0804			Side Beam Brackets (B-Line B-3062) (23 05 29 00-0738) Note: Type 34.		
23 05 29 00-0805	EA		3/8" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	12.45 2.64	4.58
23 05 29 00-0806	EA		1/2" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	14.82 2.82	4.58
23 05 29 00-0807	EA		5/8" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	19.32 3.02	4.93
23 05 29 00-0808	EA		3/4" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	34.80 3.25	5.28
23 05 29 00-0809	EA		7/8" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	40.80 3.52	5.98
23 05 29 00-0810			Hex Lag Bolts (23 05 29 00-0738) Note: Also known as coach screws.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0811 EA 3/8" x 3-1/2" Long, Hex Lag Bolt.....	1.89	
<i>For Work In Restricted Working Space, Add</i>	<i>0.44</i>	
23 05 29 00-0812 EA 3/8" x 4" Long, Hex Lag Bolt.....	1.92	
<i>For Work In Restricted Working Space, Add</i>	<i>0.45</i>	
23 05 29 00-0813 EA 3/8" x 6" Long, Hex Lag Bolt.....	2.17	
<i>For Work In Restricted Working Space, Add</i>	<i>0.47</i>	
23 05 29 00-0814 EA 3/8" x 8" Long, Hex Lag Bolt.....	2.61	
<i>For Work In Restricted Working Space, Add</i>	<i>0.49</i>	
23 05 29 00-0815 EA 3/8" x 10" Long, Hex Lag Bolt.....	2.78	
<i>For Work In Restricted Working Space, Add</i>	<i>0.51</i>	
23 05 29 00-0816 EA 3/8" x 12" Long, Hex Lag Bolt.....	3.49	
<i>For Work In Restricted Working Space, Add</i>	<i>0.53</i>	
23 05 29 00-0817 EA 1/2" x 3-1/2" Long, Hex Lag Bolt.....	2.59	
<i>For Work In Restricted Working Space, Add</i>	<i>0.53</i>	
23 05 29 00-0818 EA 1/2" x 4" Long, Hex Lag Bolt.....	2.63	
<i>For Work In Restricted Working Space, Add</i>	<i>0.55</i>	
23 05 29 00-0819 EA 1/2" x 6" Long, Hex Lag Bolt.....	3.06	
<i>For Work In Restricted Working Space, Add</i>	<i>0.57</i>	
23 05 29 00-0820 EA 1/2" x 8" Long, Hex Lag Bolt.....	3.54	
<i>For Work In Restricted Working Space, Add</i>	<i>0.60</i>	
23 05 29 00-0821 EA 1/2" x 10" Long, Hex Lag Bolt.....	4.18	
<i>For Work In Restricted Working Space, Add</i>	<i>0.63</i>	
23 05 29 00-0822 EA 1/2" x 12" Long, Hex Lag Bolt.....	4.47	
<i>For Work In Restricted Working Space, Add</i>	<i>0.66</i>	
23 05 29 00-0823 EA 5/8" x 4" Long, Hex Lag Bolt.....	3.59	
<i>For Work In Restricted Working Space, Add</i>	<i>0.59</i>	
23 05 29 00-0824 EA 3/4" x 5" Long, Hex Lag Bolt.....	4.19	
<i>For Work In Restricted Working Space, Add</i>	<i>0.60</i>	
23 05 29 00-0825 Shields And Saddles (23 05 29)		
23 05 29 00-0826 Insulation Protection Shield (23 05 29 00-0825)		
Note: Type 40.		
23 05 29 00-0827 Insulation Protection Shield (Cooper B-Line B3151) (23 05 29 00-0826)		
Note: Type 40.		
23 05 29 00-0828 EA 1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length.....	11.40	1.69
<i>For Work In Restricted Working Space, Add</i>	<i>1.69</i>	
23 05 29 00-0829 EA 2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length.....	11.58	1.71
<i>For Work In Restricted Working Space, Add</i>	<i>1.71</i>	
23 05 29 00-0830 EA 2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length.....	11.89	1.73
<i>For Work In Restricted Working Space, Add</i>	<i>1.73</i>	
23 05 29 00-0831 EA 3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length.....	12.51	1.75
<i>For Work In Restricted Working Space, Add</i>	<i>1.75</i>	
23 05 29 00-0832 EA 4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length.....	14.01	1.79
<i>For Work In Restricted Working Space, Add</i>	<i>1.79</i>	
23 05 29 00-0833 EA 6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length.....	17.51	1.84
<i>For Work In Restricted Working Space, Add</i>	<i>1.84</i>	
23 05 29 00-0834 EA 8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length.....	20.67	1.88
<i>For Work In Restricted Working Space, Add</i>	<i>1.88</i>	
23 05 29 00-0835 EA 10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length.....	25.71	1.93
<i>For Work In Restricted Working Space, Add</i>	<i>1.92</i>	
23 05 29 00-0836 EA 12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length.....	33.63	1.95
<i>For Work In Restricted Working Space, Add</i>	<i>1.94</i>	
23 05 29 00-0837 EA 14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length.....	36.81	1.97
<i>For Work In Restricted Working Space, Add</i>	<i>1.96</i>	
23 05 29 00-0838 EA 16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length.....	51.52	1.99
<i>For Work In Restricted Working Space, Add</i>	<i>1.98</i>	
23 05 29 00-0839 EA 18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length.....	58.15	2.01
<i>For Work In Restricted Working Space, Add</i>	<i>2.01</i>	
23 05 29 00-0840 EA 20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length.....	109.88	2.03
<i>For Work In Restricted Working Space, Add</i>	<i>2.03</i>	
23 05 29 00-0841 EA 24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length.....	119.59	2.07
<i>For Work In Restricted Working Space, Add</i>	<i>2.07</i>	
23 05 29 00-0842 EA 30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length.....	145.00	2.11
<i>For Work In Restricted Working Space, Add</i>	<i>2.11</i>	
23 05 29 00-0843 Insulation Protection Shield (Cooper B-Line B3154) (23 05 29 00-0826)		
Note: Type 40.		
23 05 29 00-0844 EA 1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length.....	9.82	1.69
<i>For Work In Restricted Working Space, Add</i>	<i>1.69</i>	
23 05 29 00-0845 EA 2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length.....	9.96	1.71
<i>For Work In Restricted Working Space, Add</i>	<i>1.71</i>	
23 05 29 00-0846 EA 2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length.....	10.20	1.73
<i>For Work In Restricted Working Space, Add</i>	<i>1.73</i>	
23 05 29 00-0847 EA 3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length.....	10.68	1.75
<i>For Work In Restricted Working Space, Add</i>	<i>1.75</i>	
23 05 29 00-0848 EA 4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length.....	11.80	1.79
<i>For Work In Restricted Working Space, Add</i>	<i>1.79</i>	
23 05 29 00-0849 EA 6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length.....	14.38	1.84
<i>For Work In Restricted Working Space, Add</i>	<i>1.84</i>	
23 05 29 00-0850 EA 8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length.....	15.57	1.88
<i>For Work In Restricted Working Space, Add</i>	<i>1.88</i>	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0851 EA 10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length..... <i>For Work In Restricted Working Space, Add</i>	20.40 1.92	1.93
23 05 29 00-0852 EA 12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length..... <i>For Work In Restricted Working Space, Add</i>	24.91 1.94	1.95
23 05 29 00-0853 Pipe Covering Protection Saddle (23 05 29 00-0825) Note: Type 39, sizes are pipe sizes.		
23 05 29 00-0854 Saddle, For 1" Insulation (Cooper B-Line B3160) (23 05 29 00-0853) Note: Type 39.		
23 05 29 00-0855 EA 3/4" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	17.87 2.33	2.33
23 05 29 00-0856 EA 1" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	17.93 2.35	2.35
23 05 29 00-0857 EA 1-1/4" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	18.00 2.37	2.37
23 05 29 00-0858 EA 1-1/2" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	18.98 2.41	2.41
23 05 29 00-0859 EA 2" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	19.04 2.43	2.43
23 05 29 00-0860 EA 2-1/2" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	19.72 2.47	2.47
23 05 29 00-0861 EA 3" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	22.24 2.51	2.51
23 05 29 00-0862 EA 4" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	25.30 2.55	2.55
23 05 29 00-0863 EA 6" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	28.75 2.63	2.63
23 05 29 00-0864 EA 8" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	35.61 2.73	2.73
23 05 29 00-0865 EA 10" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	40.16 2.77	2.77
23 05 29 00-0866 EA 12" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	48.18 2.83	2.77
23 05 29 00-0867 EA 14" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	52.89 2.87	2.86
23 05 29 00-0868 Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) (23 05 29 00-0853) Note: Type 39.		
23 05 29 00-0869 EA 3/4" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	20.55 2.33	2.33
23 05 29 00-0870 EA 1" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	20.61 2.35	2.35
23 05 29 00-0871 EA 1-1/4" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	20.68 2.37	2.37
23 05 29 00-0872 EA 1-1/2" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	21.48 2.41	2.41
23 05 29 00-0873 EA 2" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	23.41 2.43	2.43
23 05 29 00-0874 EA 2-1/2" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	25.41 2.47	2.47
23 05 29 00-0875 EA 3" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	25.84 2.51	2.51
23 05 29 00-0876 EA 4" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	29.73 2.55	2.51
23 05 29 00-0877 EA 6" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	33.77 2.63	2.63
23 05 29 00-0878 EA 8" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	40.53 2.73	2.73
23 05 29 00-0879 EA 10" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	45.97 2.77	2.77
23 05 29 00-0880 EA 12" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	55.36 2.83	2.83
23 05 29 00-0881 EA 14" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	60.94 2.87	2.86
23 05 29 00-0882 Saddle, For 2" Insulation (Cooper B-Line B3162) (23 05 29 00-0853) Note: Type 39.		
23 05 29 00-0883 EA 3/4" Pipe Saddle, Type 39 (For 2" Insulation) <i>For Work In Restricted Working Space, Add</i>	22.05 2.45	2.45
23 05 29 00-0884 EA 1" Pipe Saddle, Type 39 (For 2" Insulation) <i>For Work In Restricted Working Space, Add</i>	22.12 2.47	2.47
23 05 29 00-0885 EA 1-1/4" Pipe Saddle, Type 39 (For 2" Insulation) <i>For Work In Restricted Working Space, Add</i>	23.43 2.49	2.49
23 05 29 00-0886 EA 1-1/2" Pipe Saddle, Type 39 (For 2" Insulation) <i>For Work In Restricted Working Space, Add</i>	24.19 2.53	2.53
23 05 29 00-0887 EA 2" Pipe Saddle, Type 39 (For 2" Insulation) <i>For Work In Restricted Working Space, Add</i>	24.88 2.55	2.55
23 05 29 00-0888 EA 2-1/2" Pipe Saddle, Type 39 (For 2" Insulation) <i>For Work In Restricted Working Space, Add</i>	25.02 2.59	2.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0889 EA 3" Pipe Saddle, Type 39 (For 2" Insulation).....	26.59	2.64
<i>For Work In Restricted Working Space, Add</i>	2.63	
23 05 29 00-0890 EA 4" Pipe Saddle, Type 39 (For 2" Insulation).....	28.16	2.68
<i>For Work In Restricted Working Space, Add</i>	2.67	
23 05 29 00-0891 EA 6" Pipe Saddle, Type 39 (For 2" Insulation).....	36.80	2.76
<i>For Work In Restricted Working Space, Add</i>	2.77	
23 05 29 00-0892 EA 8" Pipe Saddle, Type 39 (For 2" Insulation).....	42.10	2.86
<i>For Work In Restricted Working Space, Add</i>	2.87	
23 05 29 00-0893 EA 10" Pipe Saddle, Type 39 (For 2" Insulation).....	44.35	2.90
<i>For Work In Restricted Working Space, Add</i>	2.90	
23 05 29 00-0894 EA 12" Pipe Saddle, Type 39 (For 2" Insulation).....	61.20	2.96
<i>For Work In Restricted Working Space, Add</i>	2.96	
23 05 29 00-0895 Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) (23 05 29 00-0853)		
Note: Type 39.		
23 05 29 00-0896 EA 1-1/4" Pipe Saddle, Type 39 (For 2-1/2" Insulation).....	24.97	2.55
<i>For Work In Restricted Working Space, Add</i>	2.55	
23 05 29 00-0897 EA 1-1/2" Pipe Saddle, Type 39 (For 2-1/2" Insulation).....	26.51	2.59
<i>For Work In Restricted Working Space, Add</i>	2.59	
23 05 29 00-0898 EA 2" Pipe Saddle, Type 39 (For 2-1/2" Insulation).....	27.29	2.62
<i>For Work In Restricted Working Space, Add</i>	2.61	
23 05 29 00-0899 EA 2-1/2" Pipe Saddle, Type 39 (For 2-1/2" Insulation).....	28.13	2.66
<i>For Work In Restricted Working Space, Add</i>	2.65	
23 05 29 00-0900 EA 3" Pipe Saddle, Type 39 (For 2-1/2" Insulation).....	28.33	2.70
<i>For Work In Restricted Working Space, Add</i>	2.71	
23 05 29 00-0901 EA 4" Pipe Saddle, Type 39 (For 2-1/2" Insulation).....	33.51	2.74
<i>For Work In Restricted Working Space, Add</i>	2.75	
23 05 29 00-0902 EA 6" Pipe Saddle, Type 39 (For 2-1/2" Insulation).....	38.82	2.83
<i>For Work In Restricted Working Space, Add</i>	2.83	
23 05 29 00-0903 EA 8" Pipe Saddle, Type 39 (For 2-1/2" Insulation).....	45.77	2.93
<i>For Work In Restricted Working Space, Add</i>	2.93	
23 05 29 00-0904 EA 10" Pipe Saddle, Type 39 (For 2-1/2" Insulation).....	49.27	2.98
<i>For Work In Restricted Working Space, Add</i>	2.99	
23 05 29 00-0905 EA 12" Pipe Saddle, Type 39 (For 2-1/2" Insulation).....	62.78	3.04
<i>For Work In Restricted Working Space, Add</i>	3.05	
23 05 29 00-0906 Adjustable Pipe Saddle Support (Cooper B-Line B3096) (23 05 29 00-0825)		
Note: Type 38.		
23 05 29 00-0907 EA 2" Adjustable Pipe Saddle Support, Type 38.....	74.27	8.79
23 05 29 00-0908 EA 3" Adjustable Pipe Saddle Support, Type 38.....	78.10	10.20
23 05 29 00-0909 EA 4" Adjustable Pipe Saddle Support, Type 38.....	95.32	11.62
23 05 29 00-0910 EA 5" Adjustable Pipe Saddle Support, Type 38.....	99.03	12.66
23 05 29 00-0911 EA 6" Adjustable Pipe Saddle Support, Type 38.....	109.87	14.08
23 05 29 00-0912 EA 8" Adjustable Pipe Saddle Support, Type 38.....	123.60	17.60
23 05 29 00-0913 EA 10" Adjustable Pipe Saddle Support, Type 38.....	161.26	23.57
23 05 29 00-0914 EA 12" Adjustable Pipe Saddle Support, Type 38.....	194.20	35.19
23 05 29 00-0915 Pipe Stanchion Support (Cooper B-Line B3090) (23 05 29 00-0825)		
Note: Type 37.		
23 05 29 00-0916 EA 2-1/2" Pipe Stanchion Support With U-Bolt, Type 37.....	93.63	8.79
23 05 29 00-0917 EA 3" Pipe Stanchion Support With U-Bolt, Type 37.....	96.14	10.20
23 05 29 00-0918 EA 3-1/2" Pipe Stanchion Support With U-Bolt, Type 37.....	102.90	10.91
23 05 29 00-0919 EA 4" Pipe Stanchion Support With U-Bolt, Type 37.....	104.54	11.62
23 05 29 00-0920 EA 5" Pipe Stanchion Support With U-Bolt, Type 37.....	109.65	12.66
23 05 29 00-0921 EA 6" Pipe Stanchion Support With U-Bolt, Type 37.....	115.71	14.08
23 05 29 00-0922 EA 8" Pipe Stanchion Support With U-Bolt, Type 37.....	147.17	17.60
23 05 29 00-0923 EA 10" Pipe Stanchion Support With U-Bolt, Type 37.....	198.76	23.57
23 05 29 00-0924 EA 12" Pipe Stanchion Support With U-Bolt, Type 37.....	256.27	35.19
23 05 29 00-0925 Pipe Saddle Support (Cooper B-Line B3095) (23 05 29 00-0825)		
Note: Type 36.		
23 05 29 00-0926 EA 2-1/2" Pipe Saddle Support, Type 36.....	44.55	8.79
23 05 29 00-0927 EA 3" Pipe Saddle Support, Type 36.....	47.06	10.20
23 05 29 00-0928 EA 3-1/2" Pipe Saddle Support, Type 36.....	74.44	10.91
23 05 29 00-0929 EA 4" Pipe Saddle Support, Type 36.....	76.08	11.62
23 05 29 00-0930 EA 5" Pipe Saddle Support, Type 36.....	83.84	12.66
23 05 29 00-0931 EA 6" Pipe Saddle Support, Type 36.....	92.90	14.08
23 05 29 00-0932 EA 8" Pipe Saddle Support, Type 36.....	105.37	17.60
23 05 29 00-0933 EA 10" Pipe Saddle Support, Type 36.....	120.52	23.57
23 05 29 00-0934 EA 12" Pipe Saddle Support, Type 36.....	147.67	35.19
23 05 29 00-0935 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0825)		
Note: Insert is for use as isolated protective insulation at hangers.		
23 05 29 00-0936 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0935)		
23 05 29 00-0937 EA 1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	8.89	3.85

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0938 EA 3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	9.07	3.85
23 05 29 00-0939 EA 1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	9.12	3.85
23 05 29 00-0940 EA 1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	9.31	3.85
23 05 29 00-0941 EA 1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	9.96	4.09
23 05 29 00-0942 EA 2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	10.41	4.20
23 05 29 00-0943 EA 2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	10.94	4.38
23 05 29 00-0944 EA 3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	11.53	4.56
23 05 29 00-0945 EA 4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	12.60	4.73
23 05 29 00-0946 EA 6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.72	4.09
23 05 29 00-0947 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0935)		
23 05 29 00-0948 EA 1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	7.75	2.90
23 05 29 00-0949 EA 3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	8.68	2.90
23 05 29 00-0950 EA 1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	8.89	2.96
23 05 29 00-0951 EA 1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	9.21	3.02
23 05 29 00-0952 EA 1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	9.51	3.02
23 05 29 00-0953 EA 2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	10.04	3.14
23 05 29 00-0954 EA 2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	10.62	3.26
23 05 29 00-0955 EA 3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	10.93	3.31
23 05 29 00-0956 EA 4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	12.06	3.61
23 05 29 00-0957 EA 6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.66	6.22
23 05 29 00-0958 EA 8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.34	4.67
23 05 29 00-0959 EA 10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.82	5.50
23 05 29 00-0960 EA 12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.48	6.34
23 05 29 00-0961 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0935)		
23 05 29 00-0962 EA 1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	11.03	3.31
23 05 29 00-0963 EA 3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	11.18	3.31
23 05 29 00-0964 EA 1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	11.58	3.37
23 05 29 00-0965 EA 1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	11.94	3.43
23 05 29 00-0966 EA 1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	12.31	3.49
23 05 29 00-0967 EA 2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	12.79	3.61
23 05 29 00-0968 EA 2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.49	3.73
23 05 29 00-0969 EA 3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.15	3.85
23 05 29 00-0970 EA 4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.64	4.09
23 05 29 00-0971 EA 6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.90	4.61
23 05 29 00-0972 EA 8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.57	7.87
23 05 29 00-0973 EA 10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.00	9.11
23 05 29 00-0974 EA 12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.52	10.77
23 05 29 00-0975 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0935)		
23 05 29 00-0976 EA 1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	12.63	3.85
23 05 29 00-0977 EA 3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	12.80	3.85
23 05 29 00-0978 EA 1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.28	3.91
23 05 29 00-0979 EA 1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.65	3.97
23 05 29 00-0980 EA 1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.03	3.97
23 05 29 00-0981 EA 2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.62	4.15
23 05 29 00-0982 EA 2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.42	4.26
23 05 29 00-0983 EA 3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.16	4.44
23 05 29 00-0984 EA 4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.84	4.67
23 05 29 00-0985 EA 6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.45	5.33
23 05 29 00-0986 EA 8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.13	5.91
23 05 29 00-0987 EA 10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.37	6.80
23 05 29 00-0988 EA 12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.89	8.47
23 05 29 00-0989 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0935)		
23 05 29 00-0990 EA 1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.79	3.97
23 05 29 00-0991 EA 3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.49	4.15
23 05 29 00-0992 EA 1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.65	4.15
23 05 29 00-0993 EA 1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.39	4.26
23 05 29 00-0994 EA 1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.27	4.38
23 05 29 00-0995 EA 2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.27	4.44
23 05 29 00-0996 EA 2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	35.02	4.56
23 05 29 00-0997 EA 3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.55	4.85
23 05 29 00-0998 EA 4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	40.30	5.04
23 05 29 00-0999 EA 6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	46.10	6.16
23 05 29 00-1000 EA 8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	59.65	6.75
23 05 29 00-1001 EA 10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	70.96	7.11
23 05 29 00-1002 EA 12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	81.44	9.17



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1003				Equipment Housekeeping Pads (23 05 29) See CSI section 03 31 13 00-0108 for Concrete Equipment Pads.		
23 05 29 00-1004				Molded Plastic Condenser Pad (23 05 29 00-1003)		
23 05 29 00-1005	EA			30" Round Molded Plastic Pad	48.16	8.79
23 05 29 00-1006	EA			30" Octagon Molded Plastic Pad	50.17	8.79
23 05 29 00-1007	EA			30" x 30" Molded Plastic Pad.....	48.16	8.79
23 05 29 00-1008	EA			36" x 36" Molded Plastic Pad.....	60.21	8.79
23 05 29 00-1009	EA			36" x 48" Molded Plastic Pad.....	82.76	8.79
23 05 29 00-1010				Inertia Base (23 05 29 00-1003) Note: Includes spring isolators.		
23 05 29 00-1011	EA			Up To 12 SF Inertia Base, 8" Thick With Spring Base	736.21	
23 05 29 00-1012	EA			>12 To 16 SF Inertia Base, 8" Thick With Spring Base	887.75	
23 05 29 00-1013	EA			>16 To 20 SF Inertia Base, 8" Thick With Spring Base	1,016.71	
23 05 29 00-1014	EA			>20 To 24 SF Inertia Base, 8" Thick With Spring Base	1,160.73	
23 05 29 00-1015				Hanger Assemblies (23 05 29) Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.		
23 05 29 00-1016	EA			1/2" Standard Duty Clevis Pipe Hanger Assembly	31.55	10.94
				Note: Includes hanger, rod, nuts, washers and clamp.		
				<i>For Work In Restricted Working Space, Add</i>	7.04	
23 05 29 00-1017	EA			3/4" Standard Duty Clevis Pipe Hanger Assembly	32.84	11.59
				Note: Includes hanger, rod, nuts, washers and clamp.		
				<i>For Work In Restricted Working Space, Add</i>	7.43	
23 05 29 00-1018	EA			1" Standard Duty Clevis Pipe Hanger Assembly	34.02	12.32
				Note: Includes hanger, rod, nuts, washers and clamp.		
				<i>For Work In Restricted Working Space, Add</i>	7.76	
23 05 29 00-1019	EA			1-1/4" Standard Duty Clevis Pipe Hanger Assembly	34.66	12.34
				Note: Includes hanger, rod, nuts, washers and clamp.		
				<i>For Work In Restricted Working Space, Add</i>	7.88	
23 05 29 00-1020	EA			1-1/2" Standard Duty Clevis Pipe Hanger Assembly	34.88	12.34
				Note: Includes hanger, rod, nuts, washers and clamp.		
				<i>For Work In Restricted Working Space, Add</i>	7.88	
23 05 29 00-1021	EA			2" Standard Duty Clevis Pipe Hanger Assembly	35.70	12.44
				Note: Includes hanger, rod, nuts, washers and clamp.		
				<i>For Work In Restricted Working Space, Add</i>	7.99	
23 05 29 00-1022	EA			2-1/2" Standard Duty Clevis Pipe Hanger Assembly	41.30	12.92
				Note: Includes hanger, rod, nuts, washers and clamp.		
				<i>For Work In Restricted Working Space, Add</i>	7.90	
23 05 29 00-1023	EA			3" Standard Duty Clevis Pipe Hanger Assembly	42.81	13.30
				Note: Includes hanger, rod, nuts, washers and clamp.		
				<i>For Work In Restricted Working Space, Add</i>	8.02	
23 05 29 00-1024	EA			4" Standard Duty Clevis Pipe Hanger Assembly	51.93	15.01
				Note: Includes hanger, rod, nuts, washers and clamp.		
				<i>For Work In Restricted Working Space, Add</i>	8.86	
23 05 29 00-1025	EA			6" Standard Duty Clevis Pipe Hanger Assembly	77.83	19.39
				Note: Includes hanger, rod, nuts, washers and clamp.		
				<i>For Work In Restricted Working Space, Add</i>	11.64	
23 05 29 00-1026	EA			8" Standard Duty Clevis Pipe Hanger Assembly	91.34	22.50
				Note: Includes hanger, rod, nuts, washers and clamp.		
				<i>For Work In Restricted Working Space, Add</i>	13.50	
23 05 29 00-1027	EA			10" Standard Duty Clevis Pipe Hanger Assembly	128.19	28.58
				Note: Includes hanger, rod, nuts, washers and clamp.		
				<i>For Work In Restricted Working Space, Add</i>	16.94	
23 05 29 00-1028	EA			12" Standard Duty Clevis Pipe Hanger Assembly	141.89	30.76
				Note: Includes hanger, rod, nuts, washers and clamp.		
				<i>For Work In Restricted Working Space, Add</i>	18.49	
23 05 29 00-1029				Steel Shapes For Hanger Devices (23 05 29)		
23 05 29 00-1030				Angle Iron (23 05 29 00-1029)		
23 05 29 00-1031	LF			1/2" x 1/2" x 1/8" Angle Iron	1.63	1.02
23 05 29 00-1032	LF			3/4" x 3/4" x 1/8" Angle Iron	2.13	1.28
23 05 29 00-1033	LF			1" x 1" x 1/8" Angle Iron	2.61	1.53
23 05 29 00-1034	LF			1-1/4" x 1-1/4" x 3/16" Angle Iron	3.59	1.91
23 05 29 00-1035	LF			1-1/2" x 1-1/2" x 3/16" Angle Iron	4.00	2.04
23 05 29 00-1036	LF			2" x 2" x 1/4" Angle Iron	5.34	2.29
23 05 29 00-1037	LF			2-1/2" x 2-1/2" x 1/4" Angle Iron	6.64	2.79
23 05 29 00-1038	LF			3" x 2" x 3/8" Angle Iron	8.58	3.28
23 05 29 00-1039	LF			3" x 3" x 3/8" Angle Iron	10.23	3.83
23 05 29 00-1040				Channels (23 05 29 00-1029)		
23 05 29 00-1041	LF			C2 X 1.78 - 2" Wide (Channels).....	4.60	2.51
23 05 29 00-1042	LF			C3 X 4.1 - 3" Wide (Channels).....	7.74	3.61
23 05 29 00-1043	LF			C4 X 5.4 - 4" Wide (Channels).....	9.63	4.34
23 05 29 00-1044	LF			C5 X 6.7 - 5" Wide (Channels).....	11.53	5.06
23 05 29 00-1045	LF			C6 X 8.2 - 6" Wide (Channels).....	13.95	6.07
23 05 29 00-1046	LF			C7 X 9.8 - 7" Wide (Channels).....	16.64	7.24

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1047 LF C8 X 11.5 - 8" Wide (Channels).....	18.81	7.96
23 05 29 00-1048 Structural Bar Tees (23 05 29 00-1029)		
23 05 29 00-1049 LF 3/4" x 3/4" x 1/8" Structural Bar Tee.....	5.28	3.54
23 05 29 00-1050 LF 1" x 1" x 1/8" Structural Bar Tee.....	6.35	4.18
23 05 29 00-1051 LF 1-1/2" x 1-1/2" x 1/4" Structural Bar Tee.....	8.87	4.82
23 05 29 00-1052 LF 2" x 2" x 1/4" Structural Bar Tee.....	11.42	6.43
23 05 29 00-1053 LF 2-1/2" x 2-1/2" x 3/8" Structural Bar Tee.....	15.46	7.71
23 05 29 00-1054 LF 3" x 3" x 3/8" Structural Bar Tee.....	19.42	9.97
23 05 29 00-1055 Structural Zees (23 05 29 00-1029)		
23 05 29 00-1056 LF 1-1/4" x 1-3/4" x 1-3/4" Structural Zee.....	8.88	4.82
23 05 29 00-1057 LF 2-11/16" x 3" x 2-11/16" Structural Zee.....	10.48	4.82
23 05 29 00-1058 LF 3-1/16" x 4" x 3-1/16" Structural Zee.....	15.21	4.82
23 05 29 00-1059 LF 3-1/4" x 5" x 3-1/4" Structural Zee.....	19.07	4.82
23 05 29 00-1060 LF 3-1/2" x 6" x 3-1/2" Structural Zee.....	23.03	4.82
23 05 29 00-1061 Junior I-beams (23 05 29 00-1029)		
23 05 29 00-1062 LF 3" I-beam (Junior).....	11.23	7.07
23 05 29 00-1063 LF 4" I-beam (Junior).....	12.83	7.71
23 05 29 00-1064 LF 5" I-beam (Junior).....	14.73	8.36
23 05 29 00-1065 LF 6" I-beam (Junior).....	16.08	9.32
23 05 29 00-1066 LF 7" I-beam (Junior).....	18.91	9.97
23 05 29 00-1067 LF 8" I-beam (Junior).....	20.45	10.61
23 05 48 Vibration and Seismic Controls for HVAC (23 05)		
23 05 48 13 Vibration Controls for HVAC (23 05 48)		
23 05 48 13-0001 Unhoused Stable Steel Spring Isolators (23 05 48 13)		
Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.		
23 05 48 13-0002 EA 60 LB Unhoused Steel Spring Isolator.....	79.77	19.69
23 05 48 13-0003 EA 115 LB Unhoused Steel Spring Isolator.....	86.28	19.69
23 05 48 13-0004 EA 1,130 LB Unhoused Steel Spring Isolator.....	107.88	19.69
23 05 48 13-0005 Vibration Isolators (23 05 48 13)		
23 05 48 13-0006 Spring And Rubber Hanger For 1" Deflection (23 05 48 13-0005)		
23 05 48 13-0007 EA 50-500 LB Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size.....	120.96	12.66
23 05 48 13-0008 EA 600-1,000 LB Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size.....	269.22	14.08
23 05 48 13-0009 Rubber-In-Shear Isolator Hanger (23 05 48 13-0005)		
23 05 48 13-0010 EA 45-340 LB Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size.....	63.06	10.56
23 05 48 13-0011 EA 130-700 LB Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size.....	82.97	12.66
23 05 48 13-0012 Spring Hanger For 1" Deflection (23 05 48 13-0005)		
23 05 48 13-0013 EA 50 To 1,000 LB Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size.....	70.74	12.66
23 05 48 13-0014 Rubber-In-Shear Vibration Isolator (23 05 48 13-0005)		
23 05 48 13-0015 EA 45-340 LB Rubber In Shear Vibration Isolation With 0.38" Deflection.....	129.78	23.93
23 05 48 13-0016 EA 130-700 LB Rubber In Shear Vibration Isolation With 0.43" Deflection.....	187.43	23.93
23 05 48 13-0017 EA 550-1,920 LB Rubber In Shear Vibration Isolation With 0.48" Deflection.....	385.27	23.93
23 05 48 13-0018 Two-Piece Spring Type Vibration Isolator (23 05 48 13-0005)		
Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.		
23 05 48 13-0019 EA 50 - 1,000 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator.....	105.49	23.93
23 05 48 13-0020 EA >1,000 - 1,600 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator.....	109.78	23.93
23 05 48 13-0021 Open Double Spring Type Vibration Isolator (23 05 48 13-0005)		
Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.		
23 05 48 13-0022 EA 150-450 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	90.07	11.97
23 05 48 13-0023 EA 500-1,000 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	90.07	11.97
23 05 48 13-0024 EA 1,100-1,600 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	104.39	11.97
23 05 48 13-0025 EA 1,700-2,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	104.39	11.97
23 05 48 13-0026 EA 2,500-3,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	169.16	11.97
23 05 48 13-0027 Isolation Pads (23 05 48 13-0005)		
23 05 48 13-0028 Laminated Neoprene And Cork Isolation Pad (23 05 48 13-0027)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0029 EA 2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	4.72	1.75
23 05 48 13-0030 EA 3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	6.56	1.83
23 05 48 13-0031 EA 4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	8.65	1.90
23 05 48 13-0032 EA 12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	40.70	2.18
23 05 48 13-0033 EA 18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	80.01	2.46
23 05 48 13-0034 Neoprene And Steel Plate Isolation Pad (23 05 48 13-0027)		
23 05 48 13-0035 EA 6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	35.62	1.75
23 05 48 13-0036 EA 6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	39.16	1.75
23 05 48 13-0037 Neoprene Isolation Pad (23 05 48 13-0027)		
23 05 48 13-0038 EA 2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad.....	4.26	1.75
23 05 48 13-0039 EA 3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad.....	5.07	1.75
23 05 48 13-0040 EA 4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad.....	6.38	1.75
23 05 48 13-0041 EA 12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad.....	40.00	2.11
23 05 48 13-0042 EA 18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad.....	75.01	2.46
23 05 48 13-0043 Threaded Flexible Bronze Hose Connectors (23 05 48 13)		
Note: Includes hex threaded nipple ends.		
23 05 48 13-0044 EA 3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	59.71	11.26
23 05 48 13-0045 EA 1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	67.60	15.49
23 05 48 13-0046 EA 3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	83.29	19.01
23 05 48 13-0047 EA 1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	96.39	22.53
23 05 48 13-0048 EA 1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	109.96	29.56
23 05 48 13-0049 EA 1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	123.39	31.46
23 05 48 13-0050 EA 2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	167.37	37.30
23 05 48 13-0051 EA 2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	235.92	58.13
23 05 48 13-0052 Flanged Flexible Hose Connectors (23 05 48 13)		
23 05 48 13-0053 Flanged Flexible Molded Rubber Hose Connectors (23 05 48 13-0052)		
Note: With helical wire reinforcement 150 PSI.		
23 05 48 13-0054 EA 1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	180.22	52.79
23 05 48 13-0055 EA 2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	193.84	58.62
23 05 48 13-0056 EA 3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	402.33	174.20
23 05 48 13-0057 EA 4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	527.21	224.87
23 05 48 13-0058 EA 6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	706.43	230.12
23 05 48 13-0059 EA 8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	872.55	262.83
23 05 48 13-0060 EA 10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,152.93	312.77
23 05 48 13-0061 EA 12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	2,515.18	391.20
23 05 48 13-0062 Flanged Flexible Corrugated Stainless Steel Hose Connectors (23 05 48 13-0052)		
Note: With braided metal wire.		
23 05 48 13-0063 EA 1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	134.89	48.00
23 05 48 13-0064 EA 1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	115.73	66.01
23 05 48 13-0065 EA 1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	252.95	87.98
23 05 48 13-0066 EA 2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	314.26	131.97
23 05 48 13-0067 EA 2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	335.37	145.20
23 05 48 13-0068 EA 3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	384.28	175.81
23 05 48 13-0069 EA 4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	491.88	225.08
23 05 48 13-0070 EA 4" Diameter x 30" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	968.94	310.52
23 05 48 13-0071 EA 4" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,101.97	364.01
23 05 48 13-0072 EA 6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	915.84	322.17
23 05 48 13-0073 EA 6" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,353.41	345.17
23 05 48 13-0074 EA 8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,205.62	368.19
23 05 48 13-0075 EA 10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,425.27	425.75
23 05 48 13-0076 EA 12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,906.06	460.24
23 05 48 13-0077 Flanged Flexible Molded Teflon Hose Connectors (23 05 48 13-0052)		
Note: 150 PSI.		
23 05 48 13-0078 EA 2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation.....	891.27	102.05
23 05 48 13-0079 EA 3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	995.96	119.65
23 05 48 13-0080 EA 4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,494.94	201.09
23 05 48 13-0081 EA 6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,807.70	230.12
23 05 48 13-0082 EA 8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,409.00	282.28

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0083			Flexible Hose Connectors Braided Metal Hose Type, Bronze <small>(23 05 48 13)</small>		
23 05 48 13-0084			Braided Metal Hose Type Flexible Bronze Hose Connectors <small>(23 05 48 13-0083)</small>		
			Note: MPT connection.		
23 05 48 13-0085	EA		1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	36.44	1.41
23 05 48 13-0086	EA		1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	43.91	1.41
23 05 48 13-0087	EA		1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	48.46	1.82
23 05 48 13-0088	EA		1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	59.48	1.82
23 05 48 13-0089	EA		3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	49.03	1.69
23 05 48 13-0090	EA		3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	59.70	1.69
23 05 48 13-0091	EA		3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	67.89	2.18
23 05 48 13-0092	EA		3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	84.51	2.18
23 05 48 13-0093	EA		1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	67.28	1.97
23 05 48 13-0094	EA		1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	73.83	1.97
23 05 48 13-0095	EA		1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	87.36	2.60
23 05 48 13-0096	EA		1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	111.66	2.60
23 05 48 13-0097	EA		1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	135.78	2.60
23 05 48 13-0098	EA		1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	159.97	2.60
23 05 48 13-0099	EA		1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	96.23	2.52
23 05 48 13-0100	EA		1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	106.43	2.52
23 05 48 13-0101	EA		1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	137.52	2.52
23 05 48 13-0102	EA		1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	191.41	3.37
23 05 48 13-0103	EA		1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	222.73	3.37
23 05 48 13-0104	EA		1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	264.42	3.37
23 05 48 13-0105	EA		2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	132.29	3.05
23 05 48 13-0106	EA		2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	153.61	3.05
23 05 48 13-0107	EA		2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	194.89	3.05
23 05 48 13-0108	EA		2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	259.95	4.08
23 05 48 13-0109	EA		2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	322.87	4.08
23 05 48 13-0110	EA		2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	385.73	4.08
23 05 48 13-0111	EA		2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	184.52	3.82
23 05 48 13-0112	EA		2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	210.78	3.63
23 05 48 13-0113	EA		2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	237.30	3.63
23 05 48 13-0114	EA		2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	292.13	4.86
23 05 48 13-0115	EA		2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	345.46	4.86
23 05 48 13-0116	EA		2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	397.13	4.86
23 05 48 13-0117	EA		3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	292.16	4.86
23 05 48 13-0118	EA		3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	327.58	4.86
23 05 48 13-0119	EA		3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	371.19	4.86
23 05 48 13-0120	EA		3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	327.26	6.47
23 05 48 13-0121	EA		3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	508.71	6.47
23 05 48 13-0122	EA		3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	578.42	6.47
23 05 48 13-0123	EA		4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	538.63	5.52
23 05 48 13-0124	EA		4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	580.03	5.52
23 05 48 13-0125	EA		4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	621.42	5.52
23 05 48 13-0126	EA		4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	708.95	7.36
23 05 48 13-0127	EA		4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	791.42	7.36
23 05 48 13-0128	EA		4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	875.65	7.36
23 05 48 13-0129			Braided Stainless Steel Flexible Hose Connectors <small>(23 05 48 13-0083)</small>		
			Note: Over braided carbon steel connection.		
23 05 48 13-0130	EA		2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	158.36	3.10
23 05 48 13-0131	EA		2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	192.23	3.10
23 05 48 13-0132	EA		2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	225.46	3.10
23 05 48 13-0133	EA		2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	295.02	4.15
23 05 48 13-0134	EA		2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	362.37	4.15
23 05 48 13-0135	EA		2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	429.65	4.15
23 05 48 13-0136	EA		2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	179.35	3.63
23 05 48 13-0137	EA		2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	214.74	3.63
23 05 48 13-0138	EA		2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	250.30	3.63
23 05 48 13-0139	EA		2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	324.07	4.86
23 05 48 13-0140	EA		2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	394.89	4.86
23 05 48 13-0141	EA		2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	464.73	4.86
23 05 48 13-0142	EA		4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	188.96	4.86
23 05 48 13-0143	EA		4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	229.50	4.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0144 FT 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	270.63	4.86
23 05 48 13-0145 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	358.36	6.47
23 05 48 13-0146 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	440.17	6.47
23 05 48 13-0147 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	524.30	6.47
23 05 48 13-0148 EA 6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	381.45	9.49
23 05 48 13-0149 EA 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	568.97	9.55
23 05 48 13-0150 EA 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	763.32	12.59
23 05 48 13-0151 EA 6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	950.91	12.59
23 05 48 13-0152 EA 6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,138.46	12.59
23 05 48 13-0153 EA 8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	667.54	11.21
23 05 48 13-0154 EA 8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	809.41	11.21
23 05 48 13-0155 EA 8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,098.26	14.58
23 05 48 13-0156 EA 8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,379.70	14.58
23 05 48 13-0157 EA 8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,661.07	14.58
23 05 48 13-0158 EA 10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	712.20	14.02
23 05 48 13-0159 EA 10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,066.89	14.02
23 05 48 13-0160 EA 10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,429.80	18.26
23 05 48 13-0161 EA 10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,785.74	18.26
23 05 48 13-0162 EA 10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,140.17	18.26
23 05 48 13-0163 EA 12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,428.60	16.95
23 05 48 13-0164 EA 12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,871.25	16.95
23 05 48 13-0165 EA 12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,338.76	22.81
23 05 48 13-0166 EA 12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,785.30	22.81
23 05 48 13-0167 EA 12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,233.93	22.81
23 05 48 13-0168 Braided Metal Hose Type Flexible Bronze Hose Connectors <small>(23 05 48 13-0063)</small>		
<i>Note: Flanged end connection (carbon steel ends).</i>		
23 05 48 13-0169 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	121.72	3.05
23 05 48 13-0170 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	272.52	86.33
23 05 48 13-0171 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	322.27	86.33
23 05 48 13-0172 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	372.02	86.33
23 05 48 13-0173 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	421.78	86.33
23 05 48 13-0174 EA 2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	268.05	110.10
23 05 48 13-0175 EA 2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	320.48	110.10
23 05 48 13-0176 EA 2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	372.92	110.10
23 05 48 13-0177 EA 2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	425.38	110.10
23 05 48 13-0178 EA 2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	476.93	110.10
23 05 48 13-0179 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	391.76	184.58
23 05 48 13-0180 EA 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	452.95	185.04
23 05 48 13-0181 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	515.13	184.58
23 05 48 13-0182 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	584.66	184.58
23 05 48 13-0183 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	637.79	184.58
23 05 48 13-0184 EA 6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	579.48	237.19

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 48 Vibration and Seismic Controls for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0185 EA 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	718.13	237.19
23 05 48 13-0186 EA 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	856.85	238.03
23 05 48 13-0187 EA 6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	995.52	237.19
23 05 48 13-0188 EA 6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,134.17	237.19
23 05 48 13-0189 EA 8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	891.55	286.62
23 05 48 13-0190 EA 8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	996.44	286.62
23 05 48 13-0191 EA 8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,204.40	286.62
23 05 48 13-0192 EA 8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,412.44	286.62
23 05 48 13-0193 EA 8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,620.38	286.62
23 05 48 13-0194 EA 10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,390.54	348.94
23 05 48 13-0195 EA 10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,651.86	348.94
23 05 48 13-0196 EA 10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,914.94	348.94
23 05 48 13-0197 EA 10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,177.46	348.94
23 05 48 13-0198 EA 10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,389.62	348.94
23 05 48 13-0199 EA 12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,858.13	423.70
23 05 48 13-0200 EA 12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,189.74	423.70
23 05 48 13-0201 EA 12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,521.33	423.70
23 05 48 13-0202 EA 12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,852.93	423.70
23 05 48 13-0203 EA 12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,184.54	423.70

23 05 53 Identification For HVAC Piping And Equipment (23 05)**23 05 53 00-0001 Systems Identification (23 05 53)****23 05 53 00-0002 Pipe Marker Snap-On Type Plastic (23 05 53 00-0001)**

Note: Outside diameters include insulation where necessary.

23 05 53 00-0003 EA 1/2" Outside Diameter Snap-On Plastic Marker	8.41
23 05 53 00-0004 EA 3/4" Outside Diameter Snap-On Plastic Marker	8.59
23 05 53 00-0005 EA 1" Outside Diameter Snap-On Plastic Marker	8.68
23 05 53 00-0006 EA 1-1/4" Outside Diameter Snap-On Plastic Marker	8.83
23 05 53 00-0007 EA 1-1/2" Outside Diameter Snap-On Plastic Marker	9.78
23 05 53 00-0008 EA 2" Outside Diameter Snap-On Plastic Marker	10.09
23 05 53 00-0009 EA 2-1/2" Outside Diameter Snap-On Plastic Marker	14.08
23 05 53 00-0010 EA 3" Outside Diameter Snap-On Plastic Marker	14.33
23 05 53 00-0011 EA 3-1/2" Outside Diameter Snap-On Plastic Marker	14.60
23 05 53 00-0012 EA 4" Outside Diameter Snap-On Plastic Marker	14.75
23 05 53 00-0013 EA 4-1/2" Outside Diameter Snap-On Plastic Marker	14.90
23 05 53 00-0014 EA 5" Outside Diameter Snap-On Plastic Marker	15.06
23 05 53 00-0015 EA 6" Outside Diameter Snap-On Plastic Marker	15.67
23 05 53 00-0016 EA 7" Outside Diameter Snap-On Plastic Marker	15.84
23 05 53 00-0017 EA 8" Outside Diameter Snap-On Plastic Marker	18.58
23 05 53 00-0018 EA 10" Outside Diameter Snap-On Plastic Marker	19.51
23 05 53 00-0019 EA 12" Outside Diameter Snap-On Plastic Marker	22.72
23 05 53 00-0020 EA 14" Outside Diameter Snap-On Plastic Marker	25.98

23 05 53 00-0021 Pipe Markers Pressure-Sensitive (23 05 53 00-0001)

Note: Stick on include arrow tape. Outside diameter includes insulation where necessary.

23 05 53 00-0022 EA 1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	8.49
23 05 53 00-0023 EA 3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	8.84
23 05 53 00-0024 EA 1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	9.54
23 05 53 00-0025 EA 1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	9.69
23 05 53 00-0026 EA 1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	10.40
23 05 53 00-0027 EA 2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	10.61
23 05 53 00-0028 EA 2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	12.10
23 05 53 00-0029 EA 3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	12.38
23 05 53 00-0030 EA 3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	12.58
23 05 53 00-0031 EA 4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	12.81
23 05 53 00-0032 EA 4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	13.24
23 05 53 00-0033 EA 5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	13.71
23 05 53 00-0034 EA 6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	14.13
23 05 53 00-0035 EA 7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	14.54
23 05 53 00-0036 EA 8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 53 00-0037 EA 10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.97	
23 05 53 00-0038 EA 12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	19.90	
23 05 53 00-0039 Valve Identification Tag <small>(23 05 53 00-0001)</small>		
<i>Note: Includes beaded chain and/or "S" hook.</i>		
23 05 53 00-0040 EA 2" Diameter Identification Tag, Brass.....	7.02	
23 05 53 00-0041 EA 1-1/2" Diameter Identification Tag, Plastic.....	6.64	
23 05 53 00-0042 EA 1-1/2" Diameter Identification Tag, Brass	6.52	
23 05 93 Testing, Adjusting, And Balancing For HVAC <small>(23 05)</small>		
<i>Note: New systems include all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems.</i>		
23 05 93 00-0001 Heating And Ventilating Equipment <small>(23 05 93)</small>		
23 05 93 00-0002 EA Balancing Centrifugal Fans.....	280.23	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-140.12	
23 05 93 00-0003 EA Balancing Heating And Ventilating Units	350.15	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-175.08	
23 05 93 00-0004 EA Balancing In Line Fan	315.26	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-157.63	
23 05 93 00-0005 EA Balancing Propeller And Wall Fan	70.06	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-35.03	
23 05 93 00-0006 EA Balancing Roof Exhaust Fan	210.16	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-105.08	
23 05 93 00-0007 EA Balancing Wall Fan	52.53	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-26.27	
23 05 93 00-0008 EA Balancing Fan Section Exhaust.....	279.79	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-139.90	
23 05 93 00-0009 Air Conditioning Equipment <small>(23 05 93)</small>		
23 05 93 00-0010 EA Balancing Constant Volume Air Handling Unit.....	518.44	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-259.22	
23 05 93 00-0011 EA Balancing Package A/C Unit.....	194.41	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-97.21	
23 05 93 00-0012 EA Balancing Rooftop Heat And Cool Unit.....	259.22	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-129.61	
23 05 93 00-0013 EA Balancing Variable Volume Air Handling Unit.....	907.27	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-453.64	
23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers <small>(23 05 93)</small>		
23 05 93 00-0015 EA Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser	52.54	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-26.27	
23 05 93 00-0016 EA Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser	87.58	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-43.79	
23 05 93 00-0017 EA Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser.....	45.54	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-22.77	
23 05 93 00-0018 EA Balance Variable Air Volume Box	49.34	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-24.67	
23 05 93 00-0019 EA Balance Constant Volume Box	49.34	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-24.67	
23 05 93 00-0020 EA Balance Fan Powered Box	56.05	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-28.03	
23 05 93 00-0021 EA Balance Lab Fume Hood	227.70	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-113.85	
23 05 93 00-0022 EA Balance General Hood	175.15	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-87.58	
23 05 93 00-0023 EA Balance Induction Unit.....	105.09	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-52.55	
23 05 93 00-0024 EA Balance Moduline - Master	42.02	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-21.01	
23 05 93 00-0025 EA Balance Moduline - Slave	21.01	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-10.51	
23 05 93 00-0026 EA Balance Dampers	19.51	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-9.76	
23 05 93 00-0027 EA Balance Regenerators	279.79	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-139.90	
23 05 93 00-0028 Water Balancing Of Components <small>(23 05 93)</small>		
23 05 93 00-0029 EA Water Balance, Air Cool Condenser	356.46	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-178.23	
23 05 93 00-0030 EA Water Balance, Cabinet Heater	45.37	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-22.69	
23 05 93 00-0031 EA Water Balance, Chiller, Air Cooled	388.79	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-194.40	
23 05 93 00-0032 EA Water Balance, Chiller, Water Cooled	518.44	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-259.22	
23 05 93 00-0033 EA Water Balance, Cooling Tower	259.22	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-129.61	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 93 Testing, Adjusting, And Balancing For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0034 EA Water Balance, Fan Coil And Vent	64.84	
For Testing Of Unit Without Balancing, Deduct	-32.42	
23 05 93 00-0035 EA Water Balance, Fin Tube And Radiant Panel	64.80	
For Testing Of Unit Without Balancing, Deduct	-32.40	
23 05 93 00-0036 EA Water Balance, Main And Duct Re-Heat Coil	71.29	
For Testing Of Unit Without Balancing, Deduct	-35.65	
23 05 93 00-0037 EA Water Balance, Pumps	194.42	
For Testing Of Unit Without Balancing, Deduct	-97.21	
23 05 93 00-0038 EA Water Balance, Unit Heater	45.37	
For Testing Of Unit Without Balancing, Deduct	-22.69	
23 05 93 00-0039 EA Water Balancing, Converter.....	194.49	
For Testing Of Unit Without Balancing, Deduct	-97.25	
23 05 93 00-0040 EA Water Balancing, Cocks And Valves.....	32.40	
For Testing Of Unit Without Balancing, Deduct	-16.20	
23 05 93 00-0041 EA Water Balance, Convector	38.88	
For Testing Of Unit Without Balancing, Deduct	-19.44	
23 05 93 00-0042 EA Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves	48.61	
For Testing Of Unit Without Balancing, Deduct	-24.31	
23 05 93 00-0043 EA Water Balance, Boiler, Up To 500 MBH.....	421.23	
For Testing Of Unit Without Balancing, Deduct	-210.62	
23 05 93 00-0044 EA >500 To 1,000 MBH, Water Balance, Boiler	777.66	
For Testing Of Unit Without Balancing, Deduct	-388.83	
23 05 93 00-0045 EA >1,000 MBH, Water Balance, Boiler	1,425.71	
For Testing Of Unit Without Balancing, Deduct	-712.86	
23 05 93 00-0046 Non Destructive Testing (23 05 93)		
23 05 93 00-0047 X-Ray Welds, Non-Destructive Testing (23 05 93 00-0046)		
23 05 93 00-0048 X-Ray Welds Minimum Set-Up Charge (23 05 93 00-0047)		
23 05 93 00-0049 EA X-Ray Welds Minimum Set-Up Charge.....	473.04	
Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
23 05 93 00-0050 Piping, X-Ray Welds, Non Destructive Testing (23 05 93 00-0047)		
23 05 93 00-0051 EA Up To 3/4" Piping, X-Ray Welds, Non Destructive Testing	53.64	
23 05 93 00-0052 EA 1" Piping, X-Ray Welds, Non Destructive Testing.....	61.03	
23 05 93 00-0053 EA 1-1/4" - 1-1/2" Piping, X-Ray Welds, Non Destructive Testing.....	68.43	
23 05 93 00-0054 EA 2" Piping, X-Ray Welds, Non Destructive Testing.....	72.32	
23 05 93 00-0055 EA 3" Piping, X-Ray Welds, Non Destructive Testing.....	76.20	
23 05 93 00-0056 EA 4" Piping, X-Ray Welds, Non Destructive Testing.....	80.45	
23 05 93 00-0057 EA 6" Piping, X-Ray Welds, Non Destructive Testing.....	88.22	
23 05 93 00-0058 EA 8" Piping, X-Ray Welds, Non Destructive Testing.....	95.98	
23 05 93 00-0059 EA 10" Piping, X-Ray Welds, Non Destructive Testing.....	100.22	
23 05 93 00-0060 EA 12" Piping, X-Ray Welds, Non Destructive Testing.....	104.47	
23 05 93 00-0061 Liquid Penetration Of Welds, Non Destructive Testing (23 05 93 00-0046)		
23 05 93 00-0062 Piping, Liquid Penetration Of Welds, Non Destructive Testing (23 05 93 00-0061)		
23 05 93 00-0063 EA Up To 3/4" Piping, Liquid Penetration Of Welds, Non Destructive Testing	65.40	
23 05 93 00-0064 EA 1" Piping, Liquid Penetration Of Welds, Non Destructive Testing	68.92	
23 05 93 00-0065 EA 1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non Destructive Testing	72.44	
23 05 93 00-0066 EA 2" Piping, Liquid Penetration Of Welds, Non Destructive Testing	74.19	
23 05 93 00-0067 EA 3" Piping, Liquid Penetration Of Welds, Non Destructive Testing	76.83	
23 05 93 00-0068 EA 4" Piping, Liquid Penetration Of Welds, Non Destructive Testing	79.48	
23 05 93 00-0069 EA 6" Piping, Liquid Penetration Of Welds, Non Destructive Testing	84.76	
23 05 93 00-0070 EA 8" Piping, Liquid Penetration Of Welds, Non Destructive Testing	90.03	
23 05 93 00-0071 EA 10" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	95.31	
23 05 93 00-0072 EA 12" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	100.59	
23 05 93 00-0073 Hydrostatic Testing (23 05 93 00-0046)		
Note: Includes flushing and restoring of system.		
23 05 93 00-0074 Piping, Hydrostatic Testing (23 05 93 00-0073)		
23 05 93 00-0075 EA Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing.....	463.03	
23 05 93 00-0076 EA >100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing.....	661.48	
23 05 93 00-0077 EA >250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing.....	792.58	
23 05 93 00-0078 EA >500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	1,055.71	
23 05 93 00-0079 EA >1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	1,599.56	
23 05 93 00-0080 EA Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing.....	615.65	
23 05 93 00-0081 EA >100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing.....	879.76	
23 05 93 00-0082 EA >250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,047.33	
23 05 93 00-0083 EA >500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,372.41	
23 05 93 00-0084 EA >1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	2,076.22	
23 05 93 00-0085 EA Up To 100', >4" To 10" Piping, Hydrostatic Testing	802.34	
23 05 93 00-0086 EA >100' To 250', >4" To 10" Piping, Hydrostatic Testing	1,143.69	
23 05 93 00-0087 EA >250' To 500', >4" To 10" Piping, Hydrostatic Testing	1,187.41	
23 05 93 00-0088 EA >500' To 1,000', >4" To 10" Piping, Hydrostatic Testing	1,555.60	
23 05 93 00-0089 EA >1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing	2,353.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0090 EA Up To 100', >10" To 14" Piping, Hydrostatic Testing	1,041.64	
23 05 93 00-0091 EA >100' To 250', >10" To 14" Piping, Hydrostatic Testing.....	1,485.02	
23 05 93 00-0092 EA >250' To 500', >10" To 14" Piping, Hydrostatic Testing.....	1,543.93	
23 05 93 00-0093 EA >500' To 1,000', >10" To 14" Piping, Hydrostatic Testing.....	2,025.03	
23 05 93 00-0094 EA >1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing.....	3,068.24	
23 05 93 00-0095 Pneumatic Testing <small>(23 05 93 00-0046)</small>		
<i>Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.</i>		
23 05 93 00-0095 Piping, Pneumatic Testing <small>(23 05 93 00-0095)</small>		
23 05 93 00-0097 EA Up To 100', Up To 1-1/2" Piping, Pneumatic Testing.....	526.69	
<i>Note: Includes soaping joints.</i>		
23 05 93 00-0098 EA >100' To 250', Up To 1-1/2" Piping, Pneumatic Testing	751.47	
<i>Note: Includes soaping joints.</i>		
23 05 93 00-0099 EA >250' To 500', Up To 1-1/2" Piping, Pneumatic Testing	811.72	
<i>Note: Includes soaping joints.</i>		
23 05 93 00-0100 EA >500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing.....	1,039.87	
<i>Note: Includes soaping joints.</i>		
23 05 93 00-0101 EA >1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing.....	1,626.76	
<i>Note: Includes soaping joints.</i>		
23 05 93 00-0102 EA Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing.....	687.24	
<i>Note: Includes soaping joints.</i>		
23 05 93 00-0103 EA >100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing.....	975.80	
<i>Note: Includes soaping joints.</i>		
23 05 93 00-0104 EA >250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,055.15	
<i>Note: Includes soaping joints.</i>		
23 05 93 00-0105 EA >500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,352.07	
<i>Note: Includes soaping joints.</i>		
23 05 93 00-0106 EA >1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing.....	2,114.42	
<i>Note: Includes soaping joints.</i>		
23 05 93 00-0107 EA Up To 100', >4" To 10" Piping, Pneumatic Testing	827.50	
<i>Note: Includes soaping joints.</i>		
23 05 93 00-0108 EA >100' To 250', >4" To 10" Piping, Pneumatic Testing.....	1,167.72	
<i>Note: Includes soaping joints.</i>		
23 05 93 00-0109 EA >250' To 500', >4" To 10" Piping, Pneumatic Testing.....	1,300.34	
<i>Note: Includes soaping joints.</i>		
23 05 93 00-0110 EA >500' To 1,000', >4" To 10" Piping, Pneumatic Testing.....	1,661.80	
<i>Note: Includes soaping joints.</i>		
23 05 93 00-0111 EA >1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing.....	2,602.58	
<i>Note: Includes soaping joints.</i>		
23 05 93 00-0112 EA Up To 100', >10" To 14" Piping, Pneumatic Testing	1,077.49	
<i>Note: Includes soaping joints.</i>		
23 05 93 00-0113 EA >100' To 250', >10" To 14" Piping, Pneumatic Testing.....	1,518.16	
<i>Note: Includes soaping joints.</i>		
23 05 93 00-0114 EA >250' To 500', >10" To 14" Piping, Pneumatic Testing.....	1,690.99	
<i>Note: Includes soaping joints.</i>		
23 05 93 00-0115 EA >500' To 1,000', >10" To 14" Piping, Pneumatic Testing.....	2,160.84	
<i>Note: Includes soaping joints.</i>		
23 05 93 00-0116 EA >1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing.....	3,388.95	
<i>Note: Includes soaping joints.</i>		
23 05 93 00-0117 EPA Testing Of Sludge <small>(23 05 93)</small>		
23 05 93 00-0118 EA Flashpoint And Lead Test For Lead.....	532.57	
23 05 93 00-0119 EA Air Test/Combustion Gas Level	54.75	
23 05 93 00-0120 EA Toxicity Test For Heavy Metals.....	817.03	
23 05 93 00-0121 EA Aboveground Tank Water Settlement Test Including Water	620.09	
23 07 HVAC Insulation <small>(23)</small>		
23 07 13 Duct Insulation <small>(23 07)</small>		
<i>Note: Based on SF surface area of duct to receive insulation.</i>		
23 07 13 00-0001 FSK Fiber Glass Duct Wrap Insulation <small>(23 07 13)</small>		
<i>Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight.</i>		
23 07 13 00-0002 Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation <small>(23 07 13 00-0001)</small>		
23 07 13 00-0003 SF 1-1/2" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	2.11	1.18
23 07 13 00-0004 SF 2" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	2.39	1.78
23 07 13 00-0005 SF 3" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	2.82	2.07
<i>For Plain Blanket, With No Facing, Deduct</i>		
<i>For Work In Restricted Working Space, Add</i>		
	-0.14	
	0.74	
23 07 13 00-0006 SF 4" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	3.22	2.25
<i>For Plain Blanket, With No Facing, Deduct</i>		
<i>For Work In Restricted Working Space, Add</i>		
	-0.22	
	0.80	
23 07 13 00-0007 Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation <small>(23 07 13 00-0001)</small>		
23 07 13 00-0008 SF 1" Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	2.24	1.78
23 07 13 00-0009 SF 1-1/2" Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	2.60	2.07
23 07 13 00-0010 SF 2" Type 100 (1.0 LB/CF) Fiber Glass FSK Duct Wrap Insulation.....	3.07	2.37

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 13 Duct Insulation**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 07 13 00-0011		Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)		
23 07 13 00-0012	SF	1" Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	2.82	2.37
23 07 13 00-0013	SF	1-1/2" Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	3.49	2.66
23 07 13 00-0014	SF	2" Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.07	2.96
23 07 13 00-0015		3 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13)		
		Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.		
23 07 13 00-0016	SF	1", 3 LB/CF FSK Rigid Fiber Glass Board Insulation.....	5.44	3.44
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	12.75	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	9.39	
		For Non-Metallic Weatherproof Paste, 2 LB, Add	7.75	
23 07 13 00-0017	SF	1-1/2", 3 LB/CF FSK Rigid Fiber Glass Board Insulation.....	6.65	4.18
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	15.52	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	11.44	
		For Non-Metallic Weatherproof Paste, 2 LB, Add	9.45	
23 07 13 00-0018	SF	2", 3 LB/CF FSK Rigid Fiber Glass Board Insulation.....	8.06	5.04
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	18.77	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	13.85	
		For Non-Metallic Weatherproof Paste, 2 LB, Add	11.43	
23 07 13 00-0019		4.253 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13)		
		Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0020	SF	1", 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation.....	6.38	3.78
23 07 13 00-0021	SF	1-1/2", 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation.....	8.38	4.60
23 07 13 00-0022	SF	2", 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation.....	10.84	5.55
23 07 13 00-0023		Sheet Flexible Elastomeric Insulation (23 07 13)		
23 07 13 00-0024	SF	3/8" Thick Sheet Flexible Elastomeric Insulation.....	4.75	1.59
23 07 13 00-0025	SF	1/2" Thick Sheet Flexible Elastomeric Insulation.....	5.07	1.69
23 07 13 00-0026	SF	3/4" Thick Sheet Flexible Elastomeric Insulation.....	6.65	1.78
23 07 13 00-0027	SF	1" Thick Sheet Flexible Elastomeric Insulation.....	7.66	1.87
23 07 13 00-0028	SF	1-1/2" Thick Sheet Flexible Elastomeric Insulation.....	10.61	2.04
23 07 13 00-0029	SF	2" Thick Sheet Flexible Elastomeric Insulation.....	12.54	2.22
23 07 13 00-0030		Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13)		
		Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0031	SF	1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	7.02	1.69
23 07 13 00-0032	SF	3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	7.72	1.78
23 07 13 00-0033	SF	1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	8.59	1.87
23 07 13 00-0034	SF	1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	13.41	2.04
23 07 13 00-0035	SF	2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	15.88	2.22
23 07 13 00-0036		Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13)		
		Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0037	SF	1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	8.41	1.69
23 07 13 00-0038	SF	3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	9.11	1.78
23 07 13 00-0039	SF	1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	10.22	1.87
23 07 13 00-0040	SF	1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	15.02	2.04
23 07 16		HVAC Equipment Insulation (23 07)		
23 07 16 00-0001		Calcium Silicate Block Insulation (23 07 16)		
23 07 16 00-0002	SF	1" Calcium Silicate Block Insulation.....	10.40	4.13
		For Work In Restricted Working Space, Add	2.48	
23 07 16 00-0003	SF	1-1/2" Calcium Silicate Block Insulation.....	12.49	4.64
		For Work In Restricted Working Space, Add	2.79	
23 07 16 00-0004	SF	2" Calcium Silicate Block Insulation.....	15.02	5.36
23 07 16 00-0005	SF	2-1/2" Calcium Silicate Block Insulation.....	17.92	6.29
		For Work In Restricted Working Space, Add	3.77	
23 07 16 00-0006	SF	3" Calcium Silicate Block Insulation.....	21.89	7.74
		For Work In Restricted Working Space, Add	4.64	
23 07 19		HVAC Piping Insulation (23 07)		
		See CSI section 22 07 19 00-0000 for pipe insulation.		
23 07 19 00-0001		Calcium Silicate Pipe Insulation (23 07 19)		
		Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0341 for protective jacketing.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0002 1" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0003 LF 1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation 7.78	7.78	1.95
For Work In Restricted Working Space, Add	1.46	
23 07 19 00-0004 LF 3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation 7.78	7.78	1.95
For Work In Restricted Working Space, Add	1.46	
23 07 19 00-0005 LF 1" Diameter Pipe, 1" Thick Calcium Silicate Insulation 7.73	7.73	1.98
For Work In Restricted Working Space, Add	1.48	
23 07 19 00-0006 LF 1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation 7.85	7.85	2.00
For Work In Restricted Working Space, Add	1.50	
23 07 19 00-0007 LF 1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation 7.94	7.94	2.03
For Work In Restricted Working Space, Add	1.52	
23 07 19 00-0008 LF 2" Diameter Pipe, 1" Thick Calcium Silicate Insulation 8.52	8.52	2.09
For Work In Restricted Working Space, Add	1.57	
23 07 19 00-0009 LF 2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation 8.92	8.92	2.17
For Work In Restricted Working Space, Add	1.63	
23 07 19 00-0010 LF 3" Diameter Pipe, 1" Thick Calcium Silicate Insulation 9.32	9.32	2.23
For Work In Restricted Working Space, Add	1.67	
23 07 19 00-0011 LF 4" Diameter Pipe, 1" Thick Calcium Silicate Insulation 10.68	10.68	2.39
For Work In Restricted Working Space, Add	1.80	
23 07 19 00-0012 LF 6" Diameter Pipe, 1" Thick Calcium Silicate Insulation 11.88	11.88	2.70
For Work In Restricted Working Space, Add	2.03	
23 07 19 00-0013 1-1/2" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0014 LF 1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation 8.15	8.15	2.03
For Work In Restricted Working Space, Add	1.52	
23 07 19 00-0015 LF 3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation 8.19	8.19	2.03
For Work In Restricted Working Space, Add	1.52	
23 07 19 00-0016 LF 1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation 8.78	8.78	2.15
For Work In Restricted Working Space, Add	1.61	
23 07 19 00-0017 LF 1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation 9.15	9.15	2.19
For Work In Restricted Working Space, Add	1.64	
23 07 19 00-0018 LF 1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation 9.52	9.52	2.23
For Work In Restricted Working Space, Add	1.67	
23 07 19 00-0019 LF 2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation 10.22	10.22	2.35
For Work In Restricted Working Space, Add	1.76	
23 07 19 00-0020 LF 2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation 10.73	10.73	2.39
For Work In Restricted Working Space, Add	1.79	
23 07 19 00-0021 LF 3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation 11.14	11.14	2.47
For Work In Restricted Working Space, Add	1.85	
23 07 19 00-0022 LF 4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation 12.43	12.43	2.67
For Work In Restricted Working Space, Add	2.00	
23 07 19 00-0023 LF 6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation 14.41	14.41	3.12
For Work In Restricted Working Space, Add	2.34	
23 07 19 00-0024 LF 8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation 17.00	17.00	3.29
For Work In Restricted Working Space, Add	2.47	
23 07 19 00-0025 LF 10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation 21.46	21.46	3.95
For Work In Restricted Working Space, Add	2.96	
23 07 19 00-0026 LF 12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation 25.24	25.24	4.59
For Work In Restricted Working Space, Add	3.44	
23 07 19 00-0027 LF 14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation 28.13	28.13	5.04
For Work In Restricted Working Space, Add	3.77	
23 07 19 00-0028 LF 16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation 33.42	33.42	6.41
For Work In Restricted Working Space, Add	4.80	
23 07 19 00-0029 LF 18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation 36.07	36.07	6.72
For Work In Restricted Working Space, Add	5.05	
23 07 19 00-0030 2" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0031 LF 1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation 10.43	10.43	2.23
For Work In Restricted Working Space, Add	1.67	
23 07 19 00-0032 LF 3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation 10.69	10.69	2.23
For Work In Restricted Working Space, Add	1.67	
23 07 19 00-0033 LF 1" Diameter Pipe, 2" Thick Calcium Silicate Insulation 11.04	11.04	2.25
For Work In Restricted Working Space, Add	1.69	
23 07 19 00-0034 LF 1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation 11.50	11.50	2.28
For Work In Restricted Working Space, Add	1.71	
23 07 19 00-0035 LF 1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation 11.82	11.82	2.31
For Work In Restricted Working Space, Add	1.73	
23 07 19 00-0036 LF 2" Diameter Pipe, 2" Thick Calcium Silicate Insulation 12.33	12.33	2.39
For Work In Restricted Working Space, Add	1.80	
23 07 19 00-0037 LF 2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation 13.82	13.82	2.48
For Work In Restricted Working Space, Add	1.86	
23 07 19 00-0038 LF 3" Diameter Pipe, 2" Thick Calcium Silicate Insulation 14.06	14.06	2.56
For Work In Restricted Working Space, Add	1.92	
23 07 19 00-0039 LF 4" Diameter Pipe, 2" Thick Calcium Silicate Insulation 15.61	15.61	2.71
For Work In Restricted Working Space, Add	2.03	
23 07 19 00-0040 LF 6" Diameter Pipe, 2" Thick Calcium Silicate Insulation 19.16	19.16	3.25
For Work In Restricted Working Space, Add	2.44	
23 07 19 00-0041 LF 8" Diameter Pipe, 2" Thick Calcium Silicate Insulation 21.72	21.72	3.42
For Work In Restricted Working Space, Add	2.57	
23 07 19 00-0042 LF 10" Diameter Pipe, 2" Thick Calcium Silicate Insulation 26.77	26.77	4.10
For Work In Restricted Working Space, Add	3.08	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0043 LF 12" Diameter Pipe, 2" Thick Calcium Silicate Insulation	30.62	4.92
<i>For Work In Restricted Working Space, Add</i>	3.68	
23 07 19 00-0044 LF 14" Diameter Pipe, 2" Thick Calcium Silicate Insulation	37.31	6.85
<i>For Work In Restricted Working Space, Add</i>	5.14	
23 07 19 00-0045 LF 16" Diameter Pipe, 2" Thick Calcium Silicate Insulation	39.37	6.85
<i>For Work In Restricted Working Space, Add</i>	5.14	
23 07 19 00-0046 LF 18" Diameter Pipe, 2" Thick Calcium Silicate Insulation	42.25	7.20
<i>For Work In Restricted Working Space, Add</i>	5.40	
23 07 19 00-0047 LF 20" Diameter Pipe, 2" Thick Calcium Silicate Insulation	50.44	8.23
<i>For Work In Restricted Working Space, Add</i>	6.17	
23 07 19 00-0048 LF 24" Diameter Pipe, 2" Thick Calcium Silicate Insulation	58.65	9.93
<i>For Work In Restricted Working Space, Add</i>	7.45	
23 07 19 00-0049 2-1/2" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0050 LF 1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	12.53	2.56
<i>For Work In Restricted Working Space, Add</i>	1.93	
23 07 19 00-0051 LF 3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	12.81	2.56
<i>For Work In Restricted Working Space, Add</i>	1.93	
23 07 19 00-0052 LF 1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	13.03	2.60
<i>For Work In Restricted Working Space, Add</i>	1.96	
23 07 19 00-0053 LF 1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	13.16	2.62
<i>For Work In Restricted Working Space, Add</i>	1.97	
23 07 19 00-0054 LF 1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	13.51	2.64
<i>For Work In Restricted Working Space, Add</i>	1.99	
23 07 19 00-0055 LF 2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	14.08	2.76
<i>For Work In Restricted Working Space, Add</i>	2.07	
23 07 19 00-0056 LF 2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	15.90	2.86
<i>For Work In Restricted Working Space, Add</i>	2.14	
23 07 19 00-0057 LF 3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	16.15	2.96
<i>For Work In Restricted Working Space, Add</i>	2.22	
23 07 19 00-0058 LF 4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	18.72	3.12
<i>For Work In Restricted Working Space, Add</i>	2.33	
23 07 19 00-0059 LF 6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	23.40	3.54
<i>For Work In Restricted Working Space, Add</i>	2.66	
23 07 19 00-0060 LF 8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	26.73	3.95
<i>For Work In Restricted Working Space, Add</i>	2.96	
23 07 19 00-0061 LF 10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	31.97	4.55
<i>For Work In Restricted Working Space, Add</i>	3.41	
23 07 19 00-0062 LF 12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	37.10	5.65
<i>For Work In Restricted Working Space, Add</i>	4.24	
23 07 19 00-0063 LF 14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	41.06	6.18
<i>For Work In Restricted Working Space, Add</i>	4.63	
23 07 19 00-0064 LF 16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	49.75	7.89
<i>For Work In Restricted Working Space, Add</i>	5.92	
23 07 19 00-0065 LF 18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	52.56	8.29
<i>For Work In Restricted Working Space, Add</i>	6.22	
23 07 19 00-0066 LF 20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	61.00	9.47
<i>For Work In Restricted Working Space, Add</i>	7.10	
23 07 19 00-0067 LF 24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	71.61	11.45
<i>For Work In Restricted Working Space, Add</i>	8.59	
23 07 19 00-0068 3" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0069 LF 1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	15.92	2.85
<i>For Work In Restricted Working Space, Add</i>	2.13	
23 07 19 00-0070 LF 3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	15.99	2.85
<i>For Work In Restricted Working Space, Add</i>	2.13	
23 07 19 00-0071 LF 1" Diameter Pipe, 3" Thick Calcium Silicate Insulation	16.12	2.88
<i>For Work In Restricted Working Space, Add</i>	2.15	
23 07 19 00-0072 LF 1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	16.29	2.89
<i>For Work In Restricted Working Space, Add</i>	2.17	
23 07 19 00-0073 LF 1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	16.45	2.93
<i>For Work In Restricted Working Space, Add</i>	2.19	
23 07 19 00-0074 LF 2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	17.00	3.03
<i>For Work In Restricted Working Space, Add</i>	2.27	
23 07 19 00-0075 LF 2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	18.93	3.14
<i>For Work In Restricted Working Space, Add</i>	2.35	
23 07 19 00-0076 LF 3" Diameter Pipe, 3" Thick Calcium Silicate Insulation	19.30	3.25
<i>For Work In Restricted Working Space, Add</i>	2.44	
23 07 19 00-0077 LF 4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	22.85	3.43
<i>For Work In Restricted Working Space, Add</i>	2.57	
23 07 19 00-0078 LF 6" Diameter Pipe, 3" Thick Calcium Silicate Insulation	27.14	3.90
<i>For Work In Restricted Working Space, Add</i>	2.92	
23 07 19 00-0079 LF 8" Diameter Pipe, 3" Thick Calcium Silicate Insulation	31.58	4.34
<i>For Work In Restricted Working Space, Add</i>	3.25	
23 07 19 00-0080 LF 10" Diameter Pipe, 3" Thick Calcium Silicate Insulation	37.56	5.01
<i>For Work In Restricted Working Space, Add</i>	3.76	
23 07 19 00-0081 LF 12" Diameter Pipe, 3" Thick Calcium Silicate Insulation	43.25	6.23
<i>For Work In Restricted Working Space, Add</i>	4.67	
23 07 19 00-0082 LF 14" Diameter Pipe, 3" Thick Calcium Silicate Insulation	48.05	6.79
<i>For Work In Restricted Working Space, Add</i>	5.10	
23 07 19 00-0083 LF 16" Diameter Pipe, 3" Thick Calcium Silicate Insulation	56.02	8.68
<i>For Work In Restricted Working Space, Add</i>	6.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0084 LF 18" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	60.48 6.84	9.11
23 07 19 00-0085 LF 20" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	70.88 7.82	10.43
23 07 19 00-0086 LF 24" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	83.77 9.44	12.59
23 07 19 00-0087 3-1/2" Thick Calcium Silicate Pipe Insulation <small>(23 07 19 00-0001)</small>		
23 07 19 00-0088 LF 1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	20.43 2.34	3.12
23 07 19 00-0089 LF 3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	21.23 2.34	3.12
23 07 19 00-0090 LF 1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	21.27 2.35	3.14
23 07 19 00-0091 LF 1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	21.32 2.36	3.16
23 07 19 00-0092 LF 1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	22.00 2.39	3.20
23 07 19 00-0093 LF 2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	23.38 2.48	3.30
23 07 19 00-0094 LF 2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	25.44 2.57	3.42
23 07 19 00-0095 LF 3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	26.34 2.66	3.54
23 07 19 00-0096 LF 4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	30.08 2.81	3.74
23 07 19 00-0097 LF 6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	33.54 3.19	4.25
23 07 19 00-0098 LF 8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	40.97 3.55	4.73
23 07 19 00-0099 LF 10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	49.87 4.10	5.46
23 07 19 00-0100 LF 12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	60.32 5.09	6.79
23 07 19 00-0101 LF 14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	63.47 5.56	7.41
23 07 19 00-0102 LF 16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	73.79 7.10	9.47
23 07 19 00-0103 LF 18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	85.02 7.46	9.94
23 07 19 00-0104 LF 20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	91.57 8.53	11.38
23 07 19 00-0105 4" Thick Calcium Silicate Pipe Insulation <small>(23 07 19 00-0001)</small>		
23 07 19 00-0106 LF 1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	25.63 2.60	3.46
23 07 19 00-0107 LF 3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	25.65 2.60	3.46
23 07 19 00-0108 LF 1" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	25.80 2.64	3.52
23 07 19 00-0109 LF 1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	26.52 2.67	3.56
23 07 19 00-0110 LF 1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	28.13 2.76	3.67
23 07 19 00-0111 LF 2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	28.69 2.84	3.79
23 07 19 00-0112 LF 2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	31.41 2.88	3.85
23 07 19 00-0113 LF 3" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	32.31 2.99	3.99
23 07 19 00-0114 LF 4" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	36.77 3.16	4.21
23 07 19 00-0115 LF 6" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	42.55 3.58	4.77
23 07 19 00-0116 LF 8" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	50.81 3.99	5.32
23 07 19 00-0117 LF 10" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	58.49 4.61	6.15
23 07 19 00-0118 LF 12" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	66.44 5.73	7.64
23 07 19 00-0119 LF 14" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	70.60 6.26	8.34
23 07 19 00-0120 LF 16" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	83.39 8.00	10.67
23 07 19 00-0121 LF 18" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	88.73 8.38	11.17
23 07 19 00-0122 LF 20" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	98.08 9.59	12.79
23 07 19 00-0123 Weather-Protective Coating For Calcium Silicate Pipe Insulation <small>(23 07 19 00-0001)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

 23 07 19 00-0124 SF 1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET)3.02
For Work In Restricted Working Space, Add 0.55
23 08 Commissioning Of HVAC ⁽²³⁾

See CSI section 23 05 93 00-0000 for testing and balancing.

23 09 Instrumentation And Control For HVAC ⁽²³⁾**23 09 13 Instrumentation And Control Devices For HVAC** ^(23 09)**23 09 13 56 Pneumatic Tubing For HVAC** ^(23 09 13)**23 09 13 56-0001 Polyurethane Pneumatic Tubing** ^(23 09 13 56)
 23 09 13 56-0002 LF 1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing1.45 0.58
 23 09 13 56-0003 LF 5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing1.79 0.59
 23 09 13 56-0004 LF 3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing2.29 0.61
 23 09 13 56-0005 LF 1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing2.87 0.63
23 09 13 56-0006 Fire Resistant Polyethylene Pneumatic Tubing ^(23 09 13 56)
 23 09 13 56-0007 LF 1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing1.30 0.58
 23 09 13 56-0008 LF 5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing1.40 0.59
 23 09 13 56-0009 LF 3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing1.58 0.61
 23 09 13 56-0010 LF 1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing1.93 0.63
23 09 13 56-0011 Nylon Pneumatic Tubing ^(23 09 13 56)
 23 09 13 56-0012 LF 1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing1.51 0.56
 23 09 13 56-0013 LF 1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing1.95 0.58
 23 09 13 56-0014 LF 3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing2.87 0.61
 23 09 13 56-0015 LF 1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing3.64 0.63
23 09 13 56-0016 Flexible Vinyl Pneumatic Tubing ^(23 09 13 56)
 23 09 13 56-0017 LF 1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing1.48 0.58
 23 09 13 56-0018 LF 3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing2.31 0.61
 23 09 13 56-0019 LF 1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing2.75 0.63
 23 09 13 56-0020 LF 5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing3.31 0.66
 23 09 13 56-0021 LF 3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing3.73 0.67
 23 09 13 56-0022 LF 1" Outside Diameter Flexible Vinyl Pneumatic Tubing5.03 0.69
23 09 13 56-0023 Braided Vinyl Pneumatic Tubing ^(23 09 13 56)
 23 09 13 56-0024 LF 5/8" Outside Diameter Braided Vinyl Pneumatic Tubing1.97 0.66
 23 09 13 56-0025 LF 3/4" Outside Diameter Braided Vinyl Pneumatic Tubing2.27 0.67
 23 09 13 56-0026 LF 1" Outside Diameter Braided Vinyl Pneumatic Tubing2.79 0.69
23 09 13 56-0027 Copper Pneumatic Tubing ^(23 09 13 56)
 23 09 13 56-0028 LF 1/4" Outside Diameter Copper Pneumatic Tubing3.79 1.26
 23 09 13 56-0029 LF 3/8" Outside Diameter Copper Pneumatic Tubing4.29 1.44
 23 09 13 56-0030 LF 1/2" Outside Diameter Copper Pneumatic Tubing5.40 1.66
 23 09 13 56-0031 LF 5/8" Outside Diameter Copper Pneumatic Tubing6.46 1.91
 23 09 13 56-0032 LF 3/4" Outside Diameter Copper Pneumatic Tubing7.88 2.20
23 09 13 56-0033 Brass Couplings ^(23 09 13 56)**23 09 13 56-0034 Straight Brass Couplings** ^(23 09 13 56-0033)

Note: Barb x Barb

 23 09 13 56-0035 EA 1/4" x 1/4" Straight Brass Coupling6.64 3.16
 23 09 13 56-0036 EA 3/8" x 1/4" Straight Brass Coupling6.69 3.16
 23 09 13 56-0037 EA 3/8" x 3/8" Straight Brass Coupling6.74 3.16
23 09 13 56-0038 Elbow Brass Couplings ^(23 09 13 56-0033)

Note: Barb x Barb

 23 09 13 56-0039 EA 1/4" x 1/4" Elbow Brass Coupling6.92 3.16
 23 09 13 56-0040 EA 3/8" x 3/8" Elbow Brass Coupling7.09 3.16
23 09 13 56-0041 Tee Brass Couplings ^(23 09 13 56-0033)

Note: Barb x Barb

 23 09 13 56-0042 EA 1/4" x 1/4" x 1/4" Tee Brass Coupling10.63 4.93
 23 09 13 56-0043 EA 3/8" x 3/8" x 1/4" Tee Brass Coupling11.93 5.28
 23 09 13 56-0044 EA 3/8" x 3/8" x 3/8" Tee Brass Coupling11.75 5.28
23 09 23 Direct-Digital Control System For HVAC ^(23 09)



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0001	EMCS General Costs <small>(23 09 23)</small>			
23 09 23 00-0002	EMCS System Design Engineering <small>(23 09 23 00-0001)</small>			
	Note: Hourly labor rates are used for engineering projects only. Not used in conjunction with construction tasks.			
23 09 23 00-0003	HR	EMCS Site Inspection Of Existing Facilities.....	173.95	
23 09 23 00-0004	HR	EMCS Engineering Project Management	173.95	
23 09 23 00-0005	HR	EMCS System Engineering, Schematic Design And Layout	184.50	
23 09 23 00-0006	HR	EMCS System Software Programming And Graphics Programming.....	184.50	
23 09 23 00-0007	HR	EMCS Graphics Picture Creation	118.63	
23 09 23 00-0008	HR	EMCS System Controls Training	173.95	
23 09 23 00-0009	HR	EMCS On Site System Diagnostics Field Technician.....	173.95	
23 09 23 00-0010	HR	EMCS Remote Technical Support Using Phone Or Internet	145.00	
23 09 23 00-0011	HR	EMCS Travel Time (All Personnel).....	150.26	
23 09 23 00-0012	Post Warranty Field Tests, Checkout And Commissioning <small>(23 09 23 00-0001)</small>			
	Note: Tasks used for building commissioning of other contractors' work or post warranty service work. A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.			
23 09 23 00-0013	PNT	EMCS Field Test.....	92.28	
	Note: Priced per point. Task used after warranty period only.			
23 09 23 00-0014	PNT	EMCS Field Checkout And Startup.....	92.28	
	Note: Priced per point. Task used after warranty period only.			
23 09 23 00-0015	PNT	EMCS Field Commissioning	92.28	
	Note: Priced per point. Used when the owner requires an independent commissioning firm.			
23 09 23 00-0016	EA	EMCS Field Balance Support	79.06	
	Note: Priced per controller. Task used after warranty period only.			
23 09 23 00-0017	EMCS System Engineering/Submittal Design And Layout <small>(23 09 23 00-0001)</small>			
	Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.			
23 09 23 00-0018	PNT	EMCS System Engineering/Submittal Design And Layout	30.78	
	Note: Priced per point.			
23 09 23 00-0019	Install EMCS Field Devices And Controllers (Labor Only) <small>(23 09 23 00-0001)</small>			
	Note: This section is used when equipment or devices are supplied by others, usually in a maintenance or trouble shooting situation. Excludes cable or conduit between panel and device.			
23 09 23 00-0020	EA	Mount An AHU Control Enclosure On Block, Masonry Or Gypsum Wall	159.47	26.36
23 09 23 00-0021	EA	Install AHU Power Supply In A Control Enclosure	115.96	52.71
23 09 23 00-0022	EA	Install Metal Box And Conduit Stub-Up For Sensor In Masonry Wall	159.47	26.36
23 09 23 00-0023	EA	Install And Wire Room Sensor.....	43.51	26.36
23 09 23 00-0024	EA	Install And Wire Duct Sensor.....	57.99	26.36
23 09 23 00-0025	EA	Install And Wire AHU Averaging Sensor.....	188.42	131.78
23 09 23 00-0026	EA	Install And Wire AHU Humidity Sensor.....	101.49	39.57
23 09 23 00-0027	EA	Install And Wire AHU CO2 Sensor	145.00	39.57
23 09 23 00-0028	EA	Install And Wire Fan Or Filter DP Switch	145.00	39.57
23 09 23 00-0029	EA	Install And Wire Float Switch	115.96	26.36
23 09 23 00-0030	EA	Install And Wire Freezestat.....	188.42	131.78
23 09 23 00-0031	EA	Install And Wire Duct Static Pressure Sensor.....	101.49	52.71
23 09 23 00-0032	EA	Install And Wire Duct High Static Sensor.....	57.99	26.36
23 09 23 00-0033	EA	Install And Wire Emergency Stop Switch For AHU Or Other Equipment.....	57.99	26.36
23 09 23 00-0034	EA	Install And Wire Emergency Stop Switch For AHU.....	173.95	52.71
23 09 23 00-0035	EA	Install And Wire AHU Connection To Starter	173.95	131.78
23 09 23 00-0036	EA	Install And Wire Connection To VFD	318.94	131.78
23 09 23 00-0037	EA	Install And Wire AHU Valve Actuator.....	87.01	26.36
23 09 23 00-0038	EA	Install And Wire AHU Damper Actuator	173.95	52.71
23 09 23 00-0039	EA	Install And Wire AHU Smoke Detector Or Fire Alarm Relay.....	101.49	39.57
23 09 23 00-0040	EA	Install And Wire AHU Electropneumatic Transducer	72.46	26.36
23 09 23 00-0041	EA	Install And Wire Electric Heat Or Sequencer	173.95	52.71
23 09 23 00-0042	EA	Install And Wire Connection To Outdoor Compressor	405.88	39.57
23 09 23 00-0043	EA	Install And Wire AHU Magnahelic.....	145.00	26.36
23 09 23 00-0044	EA	Install And Wire AHU Wireway For Control Enclosure.....	173.95	52.71
23 09 23 00-0045	EA	Wire And Assemble AHU Control Enclosure	318.94	
	Note: Includes installing all panel devices for a medium size panel.			
23 09 23 00-0046	EA	Field Install And Wire VAV Controller	115.96	52.71
	Note: Use when VAV box is previously installed.			
23 09 23 00-0047	EA	Shop Install And Wire VAV Controller.....	101.49	
23 09 23 00-0048	EA	Install And Wire VAV Power Supply	43.51	26.36
23 09 23 00-0049	EA	Wire VAV Fan In Parallel Or Series Fan Box.....	57.99	26.36
23 09 23 00-0050	EA	Install And Wire Fan Coil Unit Controller	289.92	79.06
23 09 23 00-0051	EA	Mount Fan Coil Unit, Heat Pump, Or Unit Ventilator Controller	87.01	
23 09 23 00-0052	EA	Install And Wire Central Plant Controller	405.88	237.21
	Note: For programmable DDC controller.			
23 09 23 00-0053	EA	Mount Central Plant Enclosure For DDC Control Enclosure.....	159.47	26.36
	Note: For programmable DDC controller.			
23 09 23 00-0054	EA	Install Central Plant Power Supply For DDC Programmable Controller.....	115.96	52.71
23 09 23 00-0055	EA	Install Central Plant Wireway For Programmable Controller.....	173.95	52.71
23 09 23 00-0056	EA	Install And Wire Chiller Controls For Enable And Setpoint Controls.....	347.90	79.06

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0057 EA Install And Wire Chiller Flow Switch.....	347.90	158.14
23 09 23 00-0058 EA Install And Wire Chiller DP Transmitter.....	1,304.66	79.06
Note: Includes installing copper tubing connection to water piping.		
23 09 23 00-0059 EA Install And Wire Boiler Controls For Enable And Alarm.....	260.96	79.06
23 09 23 00-0060 EA Install And Wire Boiler Safeties.....	260.96	79.06
Note: For high water, low water and flame safeguard.		
23 09 23 00-0061 EA Install Boiler Control Panel Enclosure On Block, Masonry Or Gypsum Wall.....	579.83	329.48
23 09 23 00-0062 EA Wire And Terminate Combustion Air Damper.....	724.83	52.71
23 09 23 00-0063 EA Wire Oil Tank Interlock For Oil Boiler.....	362.37	52.71
23 09 23 00-0064 EA Install And Wire Boiler Emergency Stop Switch.....	724.83	158.14
23 09 23 00-0065 EA Wire And Terminate Temperature Well Sensor.....	72.46	39.57
Note: Excludes well.		
23 09 23 00-0066 EA Install And Wire Strap On Sensor.....	173.95	39.57
23 09 23 00-0067 EA Install And Wire CO2 Sensor For Room Or Space.....	145.00	39.57
Note: Excludes stub-up.		
23 09 23 00-0068 EA Install And Wire Valve Actuator.....	145.00	105.42
23 09 23 00-0069 EA Install And Wire Outside Air Temperature Sensor.....	260.96	79.06
23 09 23 00-0070 EA Install And Wire Outside Air Humidity Sensor.....	130.45	79.06
23 09 23 00-0071 EA Install And Wire Flow Sensor.....	318.94	158.14
23 09 23 00-0072 EA Install And Wire Pressure Sensor For Pump Or Building.....	318.94	158.14
23 09 23 00-0073 EA Install And Wire Pump Starter.....	173.95	39.57
23 09 23 00-0074 EA Install And Wire Pump VFD.....	318.94	79.06
23 09 23 00-0075 EA Install And Wire Pump DP Switch.....	434.91	158.14
Note: Includes installing copper tubing connection to water piping.		
23 09 23 00-0076 EA Install And Wire System DP Transmitter.....	1,449.65	158.14
Note: Includes installing copper tubing connection to water piping and wiring remote transmitter.		
23 09 23 00-0077 EA Mount Starter Sized Up To 100 HP.....	115.96	79.06
23 09 23 00-0078 EA Mount VFD Sized Up To 100 HP.....	289.92	263.56
23 09 23 00-0079 EA Install And Wire Cooling Tower Control Enclosure.....	521.85	158.14
23 09 23 00-0080 EA Install And Wire Vibration Switch For Cooling Tower.....	318.94	158.14
23 09 23 00-0081 EA Install And Wire Cooling Tower Basin Heater.....	173.95	158.14
23 09 23 00-0082 EA Install And Wire Basin Water Temperature Switch.....	173.95	79.06
23 09 23 00-0083 EA Install And Wire Cooling Tower Make-Up Water Valve.....	173.95	158.14
23 09 23 00-0084 EA Install And Wire Cooling Tower Make-Up Water Valve.....	173.95	158.14
23 09 23 00-0085 EA Install And Wire Refrigerant Monitor Panel.....	869.81	329.48
23 09 23 00-0086 EA Install And Wire Break Glass Switch.....	173.95	79.06
23 09 23 00-0087 EA Install And Wire Horn/Strobe For Refrigerant Monitor.....	130.45	52.71
23 09 23 00-0088 EA Install And Wire Damper Actuator.....	173.95	52.71
23 09 23 00-0089 EA Install And Wire Chemical Feed System.....	1,449.65	329.48
23 09 23 00-0090 EA Wire And Assemble Control Enclosure.....	347.90	
Note: Includes installing all panel devices in large size panel.		
23 09 23 00-0091 EA Install And Wire Exhaust Fan DDC Control.....	362.37	65.92
Note: Start or stop and status.		
23 09 23 00-0092 EA Install And Wire Exhaust Fan Thermostat Control.....	115.96	39.57
23 09 23 00-0093 EA Wire Lighting Contactor (Contactor Installed By Others).....	362.37	52.71
23 09 23 00-0094 EA Wire And Terminate Unit Heater.....	115.96	39.57
23 09 23 00-0095 EA Wire Domestic Water Heater For Enable Or Disable.....	362.37	52.71
23 09 23 00-0096 EA Wire And Install Current Transformer KWH Meter (With Power Off).....	1,159.73	316.27
23 09 23 00-0097 EA Wire Water Meter (Meter Installed By Others).....	1,159.73	79.06
23 09 23 00-0098 EA Wire Gas Meter (Meter Installed By Others).....	1,159.73	79.06
23 09 23 00-0099 EA Install Wireless Receiver And Wire To DDC Controls.....	145.00	52.71
23 09 23 00-0100 EA Install Wireless Sensor.....	29.02	13.21
23 09 23 00-0101 EA Wire Split System AC Thermostat.....	579.83	39.57
23 09 23 00-0102 EA Wire Sump Pump Monitor Status Switch.....	434.91	79.06
23 09 23 00-0103 EA Install Locking Cover/Wire Guard For Thermostat Or Wall Temperature Sensor.....	21.09	10.54
23 09 23 00-0104 EA Install And Wire Combination Outside Air Temperature/Outside Air Humidity Sensor.....	391.41	158.14

23 09 23 00-0105 Honeywell Controls (23 09 23)**23 09 23 00-0106 EMCS Central Equipment And Controllers (23 09 23 00-0105)****23 09 23 00-0107 EMCS Network Area Controllers (BACnet Or Lon) (23 09 23 00-0106)**

Note: Includes loading software, software license, loading data base and mounting on wall.

23 09 23 00-0108 EA Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004).....	6,541.27	342.63
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.		
23 09 23 00-0109 EA Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022).....	4,528.10	342.63
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).		
23 09 23 00-0110 EA Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201).....	3,507.54	342.63
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.		
23 09 23 00-0111 EA Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ).....	4,319.67	342.63
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.		
23 09 23 00-0112 EA Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN).....	3,479.58	342.63
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.		



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Instrumentation And Control For HVAC	23 09
Direct-Digital Control System For HVAC	23 09 23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0113 EA Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIOPort and MODBus TCP driver. Excludes RS232 and RS485.	3,479.58	342.63
23 09 23 00-0114 EA 16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIOPort and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	3,760.45	342.63
23 09 23 00-0115 EA 16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIOPort and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,055.31	342.63
23 09 23 00-0116 EA 16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIOPort and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	3,760.45	342.63
23 09 23 00-0117 EA 16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIOPort and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,055.31	342.63
23 09 23 00-0118 EA 34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIOPort and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,057.85	342.63
23 09 23 00-0119 EA 34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIOPort and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	4,352.71	342.63
23 09 23 00-0120 EA 34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIOPort and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,057.85	342.63
23 09 23 00-0121 EA 34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIOPort and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	4,352.71	342.63
23 09 23 00-0122 EA Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	4,305.69	342.63
23 09 23 00-0123 EA Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only)..... Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	5,290.67	342.63
23 09 23 00-0124 EA Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ) Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	5,594.42	342.63
23 09 23 00-0125 EA Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ)..... Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	6,579.40	342.63
23 09 23 00-0126 EA Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.	5,608.40	342.63
23 09 23 00-0127 EA Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACES, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.	7,485.58	342.63
23 09 23 00-0128 EMCS Network Interfaces <small>(23 09 23 00-0106)</small> Note: Includes installation, start-up and tech labor.		
23 09 23 00-0129 EA Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001) Note: For desktop computer.	930.74	94.89
23 09 23 00-0130 EA Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009)..... Note: For laptop computer.	794.11	63.25
23 09 23 00-0131 EA FTT-10 To FTT-10 Router (Honeywell Q7751A2010) Note: For desktop computer.	1,016.16	118.63
23 09 23 00-0132 EA 4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002) Note: For desktop computer.	1,544.24	171.35
23 09 23 00-0133 EA Two Way Lon Repeater (Honeywell Q7740A1008) Note: For desktop computer.	808.36	171.35
23 09 23 00-0134 EA FTT Termination Module For Network Bus (Honeywell 209541B)..... Note: For desktop computer.	60.54	21.09
23 09 23 00-0135 DDC Application Specific Controller Assemblies <small>(23 09 23 00-0106)</small> Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 00-0136 EA Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.	1,518.08	490.22

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 09 23 00-0137	EA	>10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	1,254.52	290.26
23 09 23 00-0138	EA	Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	1,628.78	490.22
23 09 23 00-0139	EA	>10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	1,365.22	319.08
23 09 23 00-0140	EA	Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	1,795.95	545.60
23 09 23 00-0141	EA	>10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	1,598.24	409.05
23 09 23 00-0142	EA	Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	2,183.35	545.60
23 09 23 00-0143	EA	>10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	1,906.65	417.48
23 09 23 00-0144	EA	Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	1,350.54	545.60
23 09 23 00-0145	EA	>10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	1,086.98	322.60
23 09 23 00-0146	EA	Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	1,495.54	545.60
23 09 23 00-0147	EA	>10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	1,231.91	363.36
23 09 23 00-0148	EA	Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies.....	1,783.96	545.60
23 09 23 00-0149	EA	>10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies.....	1,515.14	321.90
23 09 23 00-0150	EA	Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies.....	1,928.96	545.60
23 09 23 00-0151	EA	>10 Field Installed Application Specific Fan Coil Unit Controller Assemblies.....	1,660.06	362.65
23 09 23 00-0152	EA	Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies.....	2,238.98	545.60
23 09 23 00-0153	EA	>10 Factory Installed Application Specific Unit Ventilator Controller Assemblies.....	1,999.18	348.60
23 09 23 00-0154	EA	Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies.....	2,528.97	545.60
23 09 23 00-0155	EA	>10 Field Installed Application Specific Unit Ventilator Controller Assemblies.....	2,289.09	408.34

23 09 23 00-0156 DDC Programmable Controller Assemblies (23 09 23 00-0106)

Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 00-0163 for additional components.

23 09 23 00-0157	EA	3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies.....	1,552.31	419.09
23 09 23 00-0158	EA	Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies.....	1,793.30	419.09
23 09 23 00-0159	EA	6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies.....	2,389.51	492.89
23 09 23 00-0160	EA	Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies.....	2,630.49	492.89
23 09 23 00-0161	EA	10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	4,317.97	577.23
23 09 23 00-0162	EA	Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	4,596.54	577.23

23 09 23 00-0163 EMCS Optional DDC Controller Hardware (23 09 23 00-0106)

Note: Used to expand the capacity of DDC programmable controller assemblies.

23 09 23 00-0164	EA	6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005).....	289.77	
Note: For constant volume single zone and heat pump AHUs.				
23 09 23 00-0165	EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011).....	334.89	
Note: For constant volume single zone and heat pump AHUs.				
23 09 23 00-0166	EA	3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001).....	350.78	
Note: For constant volume single zone and heat pump AHUs.				
23 09 23 00-0167	EA	VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010).....	331.08	
23 09 23 00-0168	EA	VAV Controller With Internally Wired Subbase (Honeywell W7751D2016).....	336.16	
23 09 23 00-0169	EA	VAV Controller With Externally Wired Subbase (Honeywell W7751F2011).....	328.54	
23 09 23 00-0170	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025).....	282.78	
23 09 23 00-0171	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004).....	245.93	
23 09 23 00-0172	EA	Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002).....	360.31	
23 09 23 00-0173	EA	Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000).....	322.18	
23 09 23 00-0174	EA	Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002).....	355.86	
23 09 23 00-0175	EA	Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011).....	755.57	
23 09 23 00-0176	EA	Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017).....	939.86	
23 09 23 00-0177	EA	Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002).....	469.61	
23 09 23 00-0178	EA	Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010).....	462.62	
23 09 23 00-0179	EA	Hydronic Controller Without Wall Module (Honeywell W7762B1027).....	226.86	
23 09 23 00-0180	EA	Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016).....	258.00	
23 09 23 00-0181	EA	IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001).....	476.60	
23 09 23 00-0182	EA	IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001).....	509.65	
23 09 23 00-0183	EA	AI Module (Honeywell XFL521B).....	319.01	
23 09 23 00-0184	EA	AO Module (Honeywell XFL522B).....	319.01	
23 09 23 00-0185	EA	DI Module (Honeywell XFL523B).....	319.01	
23 09 23 00-0186	EA	DO Module (Honeywell XFL524B).....	319.01	
23 09 23 00-0187	EA	Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511).....	56.56	
23 09 23 00-0188	EA	Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513).....	106.76	
23 09 23 00-0189	EA	Distributed IO, Terminal Block For DO Modules (Honeywell XSL514).....	104.85	
23 09 23 00-0190	EA	Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI).....	320.91	
23 09 23 00-0191	EA	Lon Hub (Honeywell XIO-HUB).....	47.66	
23 09 23 00-0192	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO).....	320.91	
23 09 23 00-0193	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI).....	295.49	
23 09 23 00-0194	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO).....	295.49	
23 09 23 00-0195	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC).....	311.38	
23 09 23 00-0196	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000).....	311.38	
23 09 23 00-0197	EA	Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI).....	448.01	
23 09 23 00-0198	EA	16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16).....	528.71	
Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.				
23 09 23 00-0199	EA	34 Point IO Module For Network Area Controllers (Honeywell W7750A2005).....	1,123.51	
Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.				

23 09 23 00-0200 EMCS Software (23 09 23 00-0105)**23 09 23 00-0201 Software Packages And License (23 09 23 00-0200)**

Note: Includes installation on equipment.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0202 EA On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB).....	358.41	
Note: Requires UI services to be installed on NAC.		
23 09 23 00-0203 EA Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX).....	1,378.74	
Note: Upgrade existing network area controller. As with other WEBS controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 00-0204 EA WEBStation-AX Software For Windows (Honeywell WEB-S-AX).....	4,003.46	
Note: Includes Archon database. WEBS controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).		
23 09 23 00-0205 EA Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS).....	2,383.01	
Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.		
23 09 23 00-0206 EA Upgrade Small Building To Large Building Software	2,713.23	
Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.		
23 09 23 00-0207 EA Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W)	1,908.06	
Note: One copy is included with WEB-S-AX and WEBStation-AX.		
23 09 23 00-0208 EA WEBS Energy Suite (WES) Base Software (Honeywell WES-BASE-AX).....	3,398.23	
Note: Includes license for 10 points of E ² Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E ² Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.		
23 09 23 00-0209 EA Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E ² Profiler Points (Honeywell WES-CP-AX)	446.47	
Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.		
23 09 23 00-0210 EA Perpetual License For One Point Of E ² Profiler (Honeywell WES-E2-AX).....	297.14	
Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.		
23 09 23 00-0211 EA Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters.....	18,397.87	
Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.		
23 09 23 00-0212 EA Annual Maintenance For Enterprise WEBS-AX Energy Suite (Honeywell WES-M1-ENT-AX).....	16,785.78	
Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.		
23 09 23 00-0213 EA Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX)	6,383.93	
23 09 23 00-0214 EA Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS).....	4,763.48	
23 09 23 00-0215 EA Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500).....	1,377.06	
23 09 23 00-0216 EA Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500)	1,377.06	
23 09 23 00-0217 EA Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL).....	9,532.05	
Note: Excludes Oracle.		
23 09 23 00-0218 EA Open System Driver Option (Honeywell WS-SNMP-500).....	1,270.94	
Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchased with the WS or added later. Web Supervisor required to purchase this option.		
23 09 23 00-0219 EA Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500).....	1,377.06	
23 09 23 00-0220 EA WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003).....	3,601.21	
Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.		
23 09 23 00-0221 EA WEBStation Additional Node (Honeywell ZW2000B1002)	1,377.06	
23 09 23 00-0222 EA WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001).....	23,089.17	
23 09 23 00-0223 EA WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000).....	42,364.88	
23 09 23 00-0224 EA WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009).....	74,138.38	
23 09 23 00-0225 EA Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008).....	3,812.82	
23 09 23 00-0226 EA Additional Master WEBStation Software Licenses (Honeywell ZW200G1007).....	1,906.41	
23 09 23 00-0227 EA Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001).....	1,516.61	
23 09 23 00-0228 EA Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055).....	1,664.70	
Note: As with other WEBS, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 00-0229 Initial Database Generation (23 09 23 00-0200)		
23 09 23 00-0230 PNT Database Generation For Central Plant.....	47.16	
23 09 23 00-0231 PNT Database Generation For Programmable Controller	47.16	
Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 00-0232 EA Database Generation For Application Specific Controller.....	47.16	
Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 00-0233 EA Replication Of Database Generation For Application Specific Controller	32.82	
Note: Price per copy made.		
23 09 23 00-0234 EA Database Generation For Remote IO Modules, Sensors, Etcetera	32.82	
23 09 23 00-0235 Application Software Programs (23 09 23 00-0200)		
23 09 23 00-0236 EA Basic Application Program Package.....	1,967.90	
Note: One per project. Includes program inputs, command priorities, alarms, trends for analog and digital points, energy totalization, schedules, calendars, special events, occupied and unoccupied setpoints, ventilation and recirculation modes, hot water reset program, chilled water reset program, condenser water reset program, and fail-over logic.		
23 09 23 00-0237 EA Optimum Start/Stop Program.....	65.78	
Note: Priced per controller requiring optimum start programming.		
23 09 23 00-0238 EA Duty Cycling Program.....	31.06	
23 09 23 00-0239 EA Hot Deck/Cold Deck Reset Application Program	3,380.79	
23 09 23 00-0240 EA Boiler Optimization Program	4,430.32	
23 09 23 00-0241 EA Chiller Optimization Program	6,001.32	
23 09 23 00-0242 EA Lighting Control Program.....	2,896.00	
23 09 23 00-0243 EA Demand Limiting Program	57.70	
Note: Priced per controller requiring optimum start programming.		
23 09 23 00-0244 EA Email Alarm Server Configuration.....	2,234.15	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0245			Color Graphics Generation (23 09 23 00-0200) Note: Priced per page.		
23 09 23 00-0246	EA		Single Site Home Page Graphics Page With HTML Navigation Code.....	1,179.20	
23 09 23 00-0247	EA		Multi Site Home Page Graphics Page With HTML Navigation Code.....	2,093.64	
23 09 23 00-0248	EA		Color Graphics Page For Central Plant.....	535.77	
23 09 23 00-0249	EA		Color Graphics Page For Building Floor Plan.....	494.72	
23 09 23 00-0250	EA		Replication Of Color Graphics Page For Central Plant.....	268.76	
23 09 23 00-0251	EA		Color Graphics Page For Programmable Controller..... Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	602.75	
23 09 23 00-0252	EA		Replication Of Color Graphics Page For Programmable Controller..... Note: Priced per copy made.	128.90	
23 09 23 00-0253	EA		Color Graphics Page For Application Specific Controller..... Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	557.48	
23 09 23 00-0254	EA		Replication Of Color Graphics Page For Application Specific Cont..... Note: Priced per copy made.	55.74	
23 09 23 00-0255			Sensors, Actuators And Control Devices (23 09 23 00-0105) Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		
23 09 23 00-0256			Special Sensors (23 09 23 00-0255)		
23 09 23 00-0257	EA		Dewpoint Sensor (Honeywell C7232B1014).....	1,141.84	43.51
23 09 23 00-0258	EA		Enthalpy Sensor -25 To 125 F.....	1,190.94	43.51
23 09 23 00-0259	EA		Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002).....	554.06	87.01
23 09 23 00-0260	EA		Freezestat (Honeywell L482A1004).....	384.98	145.00
23 09 23 00-0261	EA		Wall Mounted Occupancy Sensor.....	272.51	43.51
23 09 23 00-0262	EA		Ceiling Mounted Occupancy Sensor.....	218.38	43.51
23 09 23 00-0263	EA		I/P Positioner With Gauge.....	256.92	43.51
23 09 23 00-0264	EA		Non Communicating Duct Mounted Smoke Detector With Sampling Tube.....	307.79	43.51
23 09 23 00-0265	EA		EP Transducer.....	256.92	29.02
23 09 23 00-0266	EA		Electric Heat Sequencer.....	409.49	57.99
23 09 23 00-0267			Meters (23 09 23 00-0255)		
23 09 23 00-0268	EA		KW/KWh Meter/Current Transformer 208 - 480 Volt, Up To 2,400 Amps.....	2,618.78	347.90
23 09 23 00-0269	EA		KW/KWh Meter/Current Transformer 208 - 480 Volt, Up To 2,400 Amps With LON interface.....	3,810.94	405.88
23 09 23 00-0270	EA		Current Transformer For KW Meter 1 - 300 Amps.....	922.45	145.00
23 09 23 00-0271	EA		Current Transformer For KW Meter 300 - 800 Amps.....	1,048.97	145.00
23 09 23 00-0272	EA		Current Transformer For KW Meter 800 - 2,400 Amp.....	1,291.60	145.00
23 09 23 00-0273			Direct Coupled Actuators (23 09 23 00-0255)		
23 09 23 00-0274	EA		44 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002).....	357.03	57.80
23 09 23 00-0275	EA		88 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200).....	392.67	57.80
23 09 23 00-0276	EA		175 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209).....	453.96	57.80
23 09 23 00-0277	EA		44 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008).....	336.17	57.80
23 09 23 00-0278	EA		88 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206).....	374.51	57.80
23 09 23 00-0279	EA		175 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205).....	412.47	57.80
23 09 23 00-0280	EA		44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator.....	376.60	57.80
23 09 23 00-0281	EA		88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206).....	431.26	57.80
23 09 23 00-0282	EA		175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205).....	490.26	57.80
23 09 23 00-0283	EA		44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209).....	307.74	57.80
23 09 23 00-0284	EA		88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209).....	336.84	57.80
23 09 23 00-0285	EA		175 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200).....	395.31	57.80
23 09 23 00-0286	EA		175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007).....	422.83	57.80
23 09 23 00-0287	EA		300 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030).....	422.49	57.80
23 09 23 00-0288	EA		300 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008).....	497.97	57.80
23 09 23 00-0289	EA		Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018).....	319.67	57.80
23 09 23 00-0290	EA		Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368).....	556.47	57.80
23 09 23 00-0291	EA		Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator.....	241.76	57.80
23 09 23 00-0292	EA		Direct Coupled Damper Actuator Enclosure For Outdoor Use.....	366.53	57.80
23 09 23 00-0293			Thermostats (23 09 23 00-0105)		
23 09 23 00-0294			Electric And Electronic Thermostats (23 09 23 00-0293) Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		
23 09 23 00-0295	EA		Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018).....	121.41	10.54
23 09 23 00-0296	EA		Electronic Non Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320).....	130.45	10.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0297 EA Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110)	120.41	10.54
23 09 23 00-0298 EA Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220)	134.16	10.54
23 09 23 00-0299 EA Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320)	144.50	10.54
23 09 23 00-0300 EA Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321)	210.73	10.54
23 09 23 00-0301 EA Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F).....	305.07	10.54
23 09 23 00-0302 EA Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H).....	491.60	10.54
23 09 23 00-0303 EA Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M).....	524.01	10.54
23 09 23 00-0304 Pneumatic Thermostats <small>(23 09 23 00-0293)</small> Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
23 09 23 00-0305 EA Pneumatic Thermostat (Honeywell TP970B2182)	165.59	10.54
23 09 23 00-0306 Thermostats Guards <small>(23 09 23 00-0293)</small>		
23 09 23 00-0307 EA 9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009).....	40.61	10.54
23 09 23 00-0308 EA 7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511).....	48.14	10.54
23 09 23 00-0309 EA 5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510).....	45.43	10.54
23 09 23 00-0310 Delta Controls <small>(23 09 23)</small>		
23 09 23 00-0311 Software <small>(23 09 23 00-0310)</small> Note: Excludes programming, set-up and commissioning of application.		
23 09 23 00-0312 EA Orca Software Unlimited Points License (Delta Controls DOW333-USB)	1,275.39	
23 09 23 00-0313 EA Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB)	2,112.48	
23 09 23 00-0314 EA Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB)	4,577.04	
23 09 23 00-0315 EA Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB)	7,260.75	
23 09 23 00-0316 EA Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB)	3,739.95	
23 09 23 00-0317 EA Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB).....	1,275.39	
23 09 23 00-0318 EA 100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01)	3,035.79	
23 09 23 00-0319 EA 1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02)	3,739.95	
23 09 23 00-0320 EA KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amp CT's And BACnet MS/TP Interface (Delta Controls H8186-CB).....	1,344.41	70.28
23 09 23 00-0321 EA Delta Controls Touch Screen (Delta Controls DHMI-7-I)	1,436.43	
23 09 23 00-0322 EMCS Central Equipment And Controllers <small>(23 09 23 00-0310)</small>		
23 09 23 00-0323 EA Fully Programmable, Native BACnet Building Controller, 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet @ 76800 bps, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E + DFM1616).....	4,771.69	281.13
23 09 23 00-0324 EA Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet @ 76800 Bps (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E)	3,645.04	281.13
23 09 23 00-0325 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	2,706.74	281.13
23 09 23 00-0326 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180).....	2,706.74	281.13
23 09 23 00-0327 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	2,706.74	281.13
23 09 23 00-0328 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	2,535.16	281.13
23 09 23 00-0329 EA VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF)	873.85	140.57
23 09 23 00-0330 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	798.15	140.57
23 09 23 00-0331 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	848.38	140.57

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0332	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	798.15	140.57
23 09 23 00-0333	EA		Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616)	1,829.49	175.71
23 09 23 00-0334	EA		Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440)	465.71	70.28
23 09 23 00-0335	EA		Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404)	497.62	70.28
23 09 23 00-0336	EA		Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600)	580.40	70.28
23 09 23 00-0337			Network, VAV And Special Sensors (23 09 23 00-0310)		
23 09 23 00-0338	EA		BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24)	151.24	22.49
23 09 23 00-0339	EA		BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24)	204.08	25.31
23 09 23 00-0340	EA		Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B)	395.64	10.54
23 09 23 00-0341			Trane Controls (23 09 23)		
23 09 23 00-0342			Software (23 09 23 00-0341)		
			Note: Excludes programming, set-up and commissioning of application.		
23 09 23 00-0343	EA		Summit + Building Management Package (Trane 40201152)	2,149.24	
23 09 23 00-0344	EA		Summit Current Version Software (Trane 40201111)	2,159.39	
23 09 23 00-0345	EA		Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113)	515.81	
23 09 23 00-0346	EA		Rover Service Software And Hardware, Complete Kit (Trane X1365150001)	1,609.38	
23 09 23 00-0347	EA		Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMS000AAA011000)	5,889.42	
23 09 23 00-0348			EMCS Central Equipment And Controllers (23 09 23 00-0341)		
23 09 23 00-0349	EA		Summit BTMX Operator Display Upgrade (Trane 40201224)	3,517.55	281.13
23 09 23 00-0350	EA		Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531)	7,703.81	281.13
23 09 23 00-0351	EA		Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532)	7,703.81	281.13
23 09 23 00-0352	EA		Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00)	6,794.82	281.13
23 09 23 00-0353	EA		Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10)	7,851.69	281.13
23 09 23 00-0354	EA		Summit CCP Upgrade ROM Kit (Trane 40201095)	122.90	17.57
23 09 23 00-0355	EA		Summit Comm5 Repeater (Trane 49500457)	950.17	140.57
23 09 23 00-0356	EA		AHU Controller MP580/581 E Board Only (Trane 40201157)	1,588.98	175.71
23 09 23 00-0357	EA		AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01)	2,032.93	210.85
23 09 23 00-0358	EA		AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00)	1,612.90	210.85
23 09 23 00-0359	EA		AHU Controller MP581 Operator Door Display (Trane 40201156)	1,375.92	210.85
23 09 23 00-0360	EA		AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491)	1,374.09	210.85
23 09 23 00-0361	EA		Controller MP503 I/O Module With Metal Enclosure (Trane 49500590)	610.18	70.28
23 09 23 00-0362	EA		Controller MP503 I/O Module With Plastic Cover (Trane 49500490)	557.96	70.28
23 09 23 00-0363	EA		Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500)	1,011.55	140.57
23 09 23 00-0364	EA		Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499)	968.25	140.57
23 09 23 00-0365	EA		2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569)	538.84	70.28
23 09 23 00-0366	EA		2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469)	475.97	70.28
23 09 23 00-0367	EA		4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596)	693.54	70.28
23 09 23 00-0368	EA		4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496)	631.01	70.28
23 09 23 00-0369	EA		Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049)	544.44	70.28
23 09 23 00-0370	EA		Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496)	520.19	70.28
23 09 23 00-0371	EA		Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570)	594.15	70.28
23 09 23 00-0372	EA		Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470)	544.44	70.28
23 09 23 00-0373	EA		DDC VAV Retrofit Kit (Trane VRTODD01)	774.97	140.57
23 09 23 00-0374	EA		DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO)	836.80	140.57
23 09 23 00-0375			Network, VAV And Special Sensors (23 09 23 00-0341)		
23 09 23 00-0376	EA		Digital Display Zone Sensor (Trane X13790464010)	120.99	22.49
23 09 23 00-0377	EA		Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010)	87.48	22.49
23 09 23 00-0378	EA		Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010)	77.97	22.49
23 09 23 00-0379	EA		Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01)	146.22	25.31
23 09 23 00-0380	EA		Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121)	96.31	22.49
23 09 23 00-0381	EA		Zone Sensor LCD O/C Setpoint (Trane 41901120)	96.31	22.49
23 09 23 00-0382	EA		Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010)	442.68	40.49
23 09 23 00-0383	EA		Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010)	352.81	22.49
23 09 23 00-0384	EA		Transformer 120/24 40 VA (Trane X13550284010)	85.27	22.49
23 09 23 00-0385	EA		Transformer 24 Volt AC Wall Plug-In (Trane 35803005)	70.66	22.49
23 09 23 00-0386	EA		Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022)	67.45	22.49
23 09 23 00-0387	EA		Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010)	861.71	279.98
23 09 23 00-0388	EA		Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010)	828.35	279.98
23 09 23 00-0389	EA		Controller UC400 XM32 Module (4 Relay) (Trane X13651563010)	719.77	279.98
23 09 23 00-0390	EA		Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010)	1,239.11	419.94
23 09 23 00-0391	EA		Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010)	720.18	279.98
23 09 23 00-0392	EA		Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011)	794.05	279.98
23 09 23 00-0393	EA		Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011)	754.10	279.98
23 09 23 00-0394	EA		Controller Optional Metal Enclosure, UC210 (Trane 501898)	296.88	139.97
23 09 23 00-0395	EA		Controller UC400 PM014 24 Volt AC To 1.4 Amp 24 Volt DC (Trane X1365153801)	389.94	139.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0396 EA Controller Tracer UC600 Controller (Trane BMUC600AAA0100011).....	1,353.11	419.94
23 09 23 00-0397 EA Controller UC600 Tracer TD7 Display (Trane X13651571010).....	1,324.83	419.94
23 09 23 00-0398 EA Controller UC600 TD7 Mounting Bracket (Trane X05010511010).....	82.77	28.01
23 09 23 00-0399 EA Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010).....	271.54	50.39
23 09 23 00-0400 EA SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010).....	1,368.93	419.94
23 09 23 00-0401 EA BACnet Term (2 Pack) (Trane X1365152401).....	131.67	50.39
23 09 23 00-0402 EA Tracer ES Add License (Trane X40250125010).....	2,810.19	1,119.81
23 09 23 00-0403 EA Kit - Tracer TU For Controls (Trane X4509151201).....	4,105.11	1,119.74
23 09 23 00-0404 EA Kit - Tracer TU Complete (Trane X4509151301).....	5,219.76	1,119.74
23 09 23 00-0405 EA Tracer TU Adapter Wired/Wireless (Trane X13651529010).....	313.88	50.39
23 09 23 00-0406 EA Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010).....	172.19	50.39
23 09 23 00-0407 EA Sensor Wireless Display Sensor (Trane X13790822010).....	189.69	50.39
23 09 23 00-0408 EA Sensor Wireless Receiver, 100mW (Trane X13790854010).....	184.15	50.39
23 09 23 00-0409 EA Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010).....	278.04	50.39
23 09 23 00-0410 EA Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010).....	301.94	50.39
23 09 23 00-0411 Johnson Controls <small>(23 09 23)</small>		
23 09 23 00-0412 Software <small>(23 09 23 00-0411)</small>		
Note: Excludes programming, set-up and commissioning of application.		
23 09 23 00-0413 EA 5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0).....	10,228.15	
23 09 23 00-0414 EA 10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0).....	12,093.11	
23 09 23 00-0415 EA N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0).....	613.46	
23 09 23 00-0416 EA N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2).....	920.81	
23 09 23 00-0417 EA BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0).....	1,618.03	
23 09 23 00-0418 EA BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0).....	618.67	
23 09 23 00-0419 EA New User FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0).....	615.56	
23 09 23 00-0420 EA Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6).....	235.03	
23 09 23 00-0421 Supervisory Controllers <small>(23 09 23 00-0411)</small>		
23 09 23 00-0422 EA NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2).....	4,654.89	281.13
23 09 23 00-0423 EA NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2).....	7,114.46	281.13
23 09 23 00-0424 EA NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1).....	9,579.47	281.13
23 09 23 00-0425 EA NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0).....	3,707.48	281.13
23 09 23 00-0426 Controllers <small>(23 09 23 00-0411)</small>		
23 09 23 00-0427 EA 10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0).....	542.50	70.28
23 09 23 00-0428 EA 10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0).....	706.50	140.57
23 09 23 00-0429 EA 17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0).....	938.64	140.57
23 09 23 00-0430 EA 17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0).....	1,102.63	140.57
23 09 23 00-0431 EA BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0).....	448.41	70.28
23 09 23 00-0432 EA BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0).....	490.23	70.28
23 09 23 00-0433 EA BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0).....	552.96	70.28
23 09 23 00-0434 EA 17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IQU4710-0).....	561.32	70.28
23 09 23 00-0435 EA BACnet MS/TP Integrated VAV Controller/Actuator/Pressure Sensor (Cooling Only), Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1610-0).....	537.15	70.28
23 09 23 00-0436 EA BACnet MS/TP Integrated VAV Controller/Actuator/Pressure Sensor (With Reheat And Fan Control), Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1620-0).....	561.53	70.28
23 09 23 00-0437 EA BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2).....	1,145.31	140.57
23 09 23 00-0438 Master FX Controllers <small>(23 09 23 00-0411)</small>		
23 09 23 00-0439 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C).....	1,433.83	140.57
23 09 23 00-0440 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C).....	1,533.02	140.57
23 09 23 00-0441 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C).....	1,582.31	140.57
23 09 23 00-0442 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C).....	1,552.36	140.57
23 09 23 00-0443 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C).....	1,505.54	140.57
23 09 23 00-0444 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C).....	1,513.05	140.57

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0445 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C).....	1,505.54	140.57
23 09 23 00-0446 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers LP-FX16X50-000C).....	1,533.13	140.57
23 09 23 00-0447 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C).....	1,618.80	140.57
23 09 23 00-0448 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C).....	1,675.91	140.57
23 09 23 00-0449 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C).....	1,647.35	140.57
23 09 23 00-0450 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C).....	1,588.90	140.57
23 09 23 00-0451 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C).....	1,533.13	140.57
23 09 23 00-0452 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C).....	1,618.80	140.57
23 09 23 00-0453 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C).....	1,675.91	140.57
23 09 23 00-0454 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C).....	1,647.35	140.57
23 09 23 00-0455 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C).....	1,588.90	140.57
23 09 23 00-0456 EA N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C).....	171.46	35.14
23 09 23 00-0457 EA LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C).....	241.74	35.14
23 09 23 00-0458 EA RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C).....	191.19	35.14
23 09 23 00-0459 EA BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C).....	171.46	35.14
23 09 23 00-0460 EA Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C).....	472.94	35.14
23 09 23 00-0461 EA Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C).....	436.78	35.14
23 09 23 00-0462 EA 5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C).....	445.25	35.14
23 09 23 00-0463 EA 5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C).....	445.25	35.14
23 09 23 00-0464 EA 5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C).....	487.53	35.14
23 09 23 00-0465 EA 5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C).....	487.53	35.14
23 09 23 00-0466 EA 6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C).....	609.09	35.14
23 09 23 00-0467 EA 6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C).....	609.09	35.14
23 09 23 00-0468 EA 6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C).....	677.79	35.14
23 09 23 00-0469 EA 6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C).....	677.79	35.14
23 09 23 00-0470 VAV, Network And Special Sensors (23 09 23 00-0411)		
23 09 23 00-0471 EA 3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0).....	316.85	22.49
23 09 23 00-0472 EA 3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0).....	109.47	22.49
23 09 23 00-0473 EA 3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0).....	246.40	22.49
23 09 23 00-0474 EA 3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0).....	365.98	22.49
23 09 23 00-0475 EA 3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0).....	125.00	22.49
23 09 23 00-0476 EA 3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0).....	332.26	22.49
23 09 23 00-0477 Sensors - Hard Wired Type (23 09 23 00-0411)		
23 09 23 00-0478 EA Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00).....	110.57	40.49
23 09 23 00-0479 EA Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0).....	91.72	22.49
23 09 23 00-0480 EA BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2).....	247.77	10.54
Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.		
23 09 23 00-0481 EA BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2).....	333.60	10.54
Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 VDC control input, three speeds of fan control, and dehumidification capability.		
23 09 23 00-0482 EA BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2).....	248.24	10.54
Note: For VVT systems.		
23 09 23 00-0483 EA BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2).....	324.60	22.49
23 09 23 00-0484 EA BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR).....	398.88	22.49
23 09 23 00-0485 Automated Logic Controls (23 09 23)		
23 09 23 00-0486 EA Up To 25 Point, High Speed Ethernet Router (Automated Logic LGR25).....	2,517.78	224.90
23 09 23 00-0487 EA Up To 250 Point, High Speed Ethernet Router (Automated Logic LGR250).....	2,990.64	224.90
23 09 23 00-0488 EA Up To 1,000 Point, High Speed Ethernet Router (Automated Logic LGR1000).....	4,565.45	224.90
23 09 23 00-0489 EA Up 25 Point, Router/Gateway/Processor Multi-Purpose Module (Automated Logic ME-LGR25).....	2,897.76	224.90
23 09 23 00-0490 EA Up 200 Point, Router/Gateway/Processor Multi-Purpose Module (Automated Logic ME-LGR200).....	4,945.43	224.90
23 09 23 00-0491 EA ME812u Controller And Router (Automated Logic ME812u-LGR).....	6,724.36	449.80
23 09 23 00-0492 EA 4 Universal Outputs, 8 Universal Inputs I/O Expander (Automated Logic MEX48u).....	1,916.14	224.90
23 09 23 00-0493 EA 8 Universal Outputs, 8 Universal Inputs I/O Expander (Automated Logic MEX88u).....	2,260.24	224.90



Heating, Ventilating, And Air-Conditioning (HVAC) 23
Instrumentation And Control For HVAC 23 09
Direct-Digital Control System For HVAC 23 09 23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0494 EA 0 Universal Outputs, 16 Universal Inputs I/O Expander (Automated Logic MEx016u)	2,063.92	224.90
23 09 23 00-0495 EA 8 Universal Outputs, 16 Universal Inputs I/O Expander (Automated Logic MEx816u)	4,584.55	562.26
23 09 23 00-0496 EA 0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100).....	1,941.11	168.67
23 09 23 00-0497 EA 0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320).....	4,430.08	506.03
23 09 23 00-0498 EA 2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx).....	1,375.36	168.67
23 09 23 00-0499 EA 4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx).....	2,813.32	224.90
23 09 23 00-0500 EA 8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx).....	2,771.10	224.90
23 09 23 00-0501 EA 16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160).....	4,528.92	449.80
23 09 23 00-0502 EA 8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx).....	2,496.67	224.90
23 09 23 00-0503 EA 0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320).....	2,464.64	168.67
23 09 23 00-0504 EA 16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160).....	4,275.60	449.80
23 09 23 00-0505 EA No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642).....	851.47	112.46
23 09 23 00-0506 EA With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D).....	893.69	112.46
23 09 23 00-0507 EA 6 Digital Outputs, 10 Universal Inputs, 4 Analog Outputs Single Equipment Control Module (Automated Logic SE6104a).....	2,854.53	393.59
23 09 23 00-0508 EA 6 Digital Outputs, 16 Universal Inputs, 6 Analog Outputs Single Equipment Control Module (Automated Logic SE6166).....	3,494.53	449.80
23 09 23 00-0509 EA 2 Digital Outputs, 2 Universal Inputs Zone Controller (Automated Logic ZN220).....	1,005.94	168.67
23 09 23 00-0510 EA 2 Digital Outputs, 5 Universal Inputs, 3 Analog Outputs Zone Controller (Automated Logic ZN253).....	1,168.48	168.67
23 09 23 00-0511 EA 3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+).....	919.02	112.46
23 09 23 00-0512 EA 1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+).....	900.02	112.46
23 09 23 00-0513 EA 5 Digital Outputs, 5 Universal Inputs, 1 Analog Outputs Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic ZN551).....	1,116.13	168.67
23 09 23 00-0514 EA Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF).....	1,012.27	168.67
23 09 23 00-0515 EA Unlimited Points, Front End Software For Building Control (Automated Logic WC).....	7,217.60	
23 09 23 00-0516 EA 500 Point, Front End Software For Building Control (Automated Logic WC500).....	2,868.94	
23 09 23 00-0517 EA Advanced Reporting Option, Front End Software For Building Control (Automated Logic WC-ADV-REP).....	1,406.66	
23 09 23 00-0518 EA Advanced Security Option, Front End Software For Building Control (Automated Logic WC-ADV-SEC).....	1,828.86	
23 09 23 00-0519 EA Advanced Alarming Option, Front End Software For Building Control (Automated Logic WC-ADV-ALARM).....	1,968.92	
23 09 23 00-0520 EA Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE).....	2,673.26	
23 09 23 00-0521 Alerton Controls (23 09 23)		
23 09 23 00-0522 EA 50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL).....	4,175.31	
23 09 23 00-0523 EA 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM).....	6,456.47	
23 09 23 00-0524 EA Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM).....	15,995.86	
23 09 23 00-0525 EA Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE).....	12,055.67	
23 09 23 00-0526 EA Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE).....	30,719.68	
23 09 23 00-0527 EA Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3- ENTERPRISE).....	18,277.00	
23 09 23 00-0528 EA Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE).....	36,941.01	
23 09 23 00-0529 EA Alerton Building Suite Tech License (Alerton ABS-3-TECH).....	1,048.66	
23 09 23 00-0530 EA Enterprise Edition With SQL Server Support, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-ENT1).....	14,154.34	
23 09 23 00-0531 EA Unlimited Controllers, Unlimited Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-LRG).....	10,415.31	
23 09 23 00-0532 EA 150 Controllers, 3 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-MED).....	6,427.44	
23 09 23 00-0533 EA 50 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-SM).....	4,057.11	
23 09 23 00-0534 EA 10 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-XS).....	1,592.02	
23 09 23 00-0535 EA 1 Ethernet, 1 MS/TP, BACTalk Control Module (Alerton 715000100).....	2,751.27	168.67
23 09 23 00-0536 EA Foreign Protocol Converter For P1 Systems, BACTalk Control Module (Alerton BCM-FPCS).....	3,633.79	224.90
23 09 23 00-0537 EA Modbus Gateway, BACTalk Control Module (Alerton BCM-MDBS).....	3,994.62	224.90
23 09 23 00-0538 EA V.90/56K Modem, BACTalk Control Module (Alerton BCM-MDM).....	1,527.73	168.67
23 09 23 00-0539 EA 1 MS/TP, BACTalk Control Module (Alerton 715000300).....	1,824.29	168.67
23 09 23 00-0540 EA Power Supply, BACTalk Control Module (Alerton BCM-PWS).....	1,436.49	168.67
23 09 23 00-0541 EA 1 TUX Trunk, BACTalk Control Module (Alerton BCM-TUX).....	1,627.28	168.67
23 09 23 00-0542 EA Web Server And Configurator CD, BACTalk Control Module (Alerton BCM-WEB).....	3,983.09	168.67
23 09 23 00-0543 EA BACTalk Field Level Gateway For Modbus (Alerton FLG-MODBUS).....	1,935.37	224.90
23 09 23 00-0544 EA EXP BACnet Controller (Alerton VLX).....	4,221.20	449.80
23 09 23 00-0545 EA VLX BACnet High Performance Controller (Alerton VLX-PLATINUM).....	4,870.30	449.80
23 09 23 00-0546 EA Multiple Segment MS/TP Repeater (Alerton MSTP-REP).....	567.70	50.08
23 09 23 00-0547 EA 4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV- DD).....	1,268.51	168.67
23 09 23 00-0548 EA 4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7).....	1,336.95	168.67
23 09 23 00-0549 EA 4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD).....	1,100.54	168.67
23 09 23 00-0550 EA 4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A).....	1,195.94	168.67
23 09 23 00-0551 EA 5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAVIH- SD).....	1,191.79	168.67
23 09 23 00-0552 EA 11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACTalk Field Controller For Central Plant Systems (Alerton VLC-1188).....	1,666.68	168.67
23 09 23 00-0553 EA 16 Inputs, BACTalk Field Controller (Alerton VLC-1600).....	1,320.36	168.67
23 09 23 00-0554 EA 16 Inputs, 16 Binary Triac Outputs, BACTalk Field Controller (Alerton VLC-16160).....	1,951.96	224.90
23 09 23 00-0555 EA 4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444).....	877.47	112.46
23 09 23 00-0556 EA 5 Inputs, 5 Binary Outputs, BACTalk Field Controller (Alerton VLC-550).....	852.59	112.46
23 09 23 00-0557 EA 6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACTalk Field Controller (Alerton VLC-651R).....	1,202.15	168.67
23 09 23 00-0558 EA 6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACTalk Field Controller (Alerton VLC-660R).....	1,202.15	168.67
23 09 23 00-0559 EA 8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACTalk Field Controller (Alerton VLC-853).....	1,376.35	168.67

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0560 EA 16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688).....	2,619.71	224.90
23 09 23 00-0561 EA 2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362)	1,241.56	168.67
23 09 23 00-0562 EA Wireless Door Contact Sensor (Alerton AL-OC-DS).....	80.82	6.33
23 09 23 00-0563 EA One-Speed BACtalk Microset Wall Sensor (Alerton MS-1010-BT).....	129.09	6.33
23 09 23 00-0564 EA One-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT).....	253.53	6.33
23 09 23 00-0565 EA Three-Speed BACtalk Microset Wall Sensor (Alerton MS-1030-BT)	129.09	6.33
23 09 23 00-0566 EA Three-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT).....	253.53	6.33
23 09 23 00-0567 EA BACnet-Compliant Wall Sensor (Alerton TS-1050-BT).....	81.40	6.33
23 09 23 00-0568 EA Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT).....	342.70	6.33
23 09 23 00-0569 EA Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT).....	384.18	6.33
23 09 23 00-0570 EA 10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0).....	1,735.12	168.67
23 09 23 00-0571 EA 10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8).....	1,735.12	168.67
23 09 23 00-0572 EA 22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0).....	1,656.31	168.67
23 09 23 00-0573 Siemens Controls (23 09 23)		
23 09 23 00-0574 EA Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134- 1083)	174.46	10.54
23 09 23 00-0575 EA Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134- 1085)	150.37	10.54
23 09 23 00-0576 EA SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575).....	170.59	47.48
23 09 23 00-0577 EA -0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591).....	269.55	47.48
23 09 23 00-0578 EA Spring Clip Mounting Kit For Thermostat (Siemens 182-685).....	34.43	
23 09 23 00-0579 EA Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001)	116.32	70.28
23 09 23 00-0580 EA 3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012)	193.32	12.24
23 09 23 00-0581 EA 1" Three Way, 10 Cv, FxF, Stainless Steel Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079).....	341.34	22.22
23 09 23 00-0582 EA 1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203)	681.59	22.22
23 09 23 00-0583 EA 1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006)	571.66	28.15
23 09 23 00-0584 EA 36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36).....	171.99	40.49
23 09 23 00-0585 EA -58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768)	151.86	22.49
23 09 23 00-0586 EA Unit Conditioner Controller With Secure Mode (Siemens 540-110C)	799.47	112.46
23 09 23 00-0587 EA 9-Pin, Female To RJ-11 Cable (Siemens 540-143)	55.48	
23 09 23 00-0588 EA Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800).....	837.27	112.46
23 09 23 00-0589 EA MMI Extension Cable (Siemens 545-712)	92.22	
23 09 23 00-0590 EA Remote Pressure Transmitter (Siemens 547-003).....	589.55	22.49
23 09 23 00-0591 EA Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400).....	906.96	112.46
23 09 23 00-0592 EA BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433).....	829.87	112.46
23 09 23 00-0593 EA Replacement Door Lock And Key Assembly (Siemens 567-225).....	21.83	
23 09 23 00-0594 EA Insight Advanced Software Package (Siemens 571-010-381-USB)	7,632.04	
Note: Includes one user license and one sentinel key.		
23 09 23 00-0595 EA BACnet Client Option For Insight Advanced Software Package (Siemens 571-188).....	270.66	
23 09 23 00-0596 EA Soft Controller Option For Insight Advanced Software Package (Siemens 571-620)	1,248.80	
23 09 23 00-0597 EA 1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059).....	224.32	7.39
23 09 23 00-0598 EA 2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03062).....	468.87	12.81
23 09 23 00-0599 EA Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C).....	7,182.32	281.13
23 09 23 00-0600 EA SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F)	8,072.60	281.13
23 09 23 00-0601 EA 7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U).....	80.40	10.54
23 09 23 00-0602 EA Two Position, 24 VAC/VDC, Standard Cabling, Dual Auxillary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U).....	327.86	57.80
23 09 23 00-0603 EA Modulating, 0 To 10 VDC, , 24 VAC/VDC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U).....	340.46	57.80
23 09 23 00-0604 EA License To Enable 4 TX-I/O Modules On The Island Bus And FLN Support On Models PXC36-E.A And PXC36- PE.A (Siemens LSM-36.A)	2,631.03	
23 09 23 00-0605 EA License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN)	710.08	
23 09 23 00-0606 EA License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A).....	1,788.31	
23 09 23 00-0607 EA License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM- FPWEB).....	1,311.22	
23 09 23 00-0608 EA License To Enable 4 TX-I/O Modules On The Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A)	1,186.68	
23 09 23 00-0609 EA License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP)	3,155.37	
23 09 23 00-0610 EA 16-Switch HOA Upgrade Kit (Siemens PXA16-M).....	432.23	
23 09 23 00-0611 EA 16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR)	482.24	
23 09 23 00-0612 EA 8-Switch HOA Upgrade Kit (Siemens PXA8-M).....	244.93	
23 09 23 00-0613 EA 18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18)	323.89	35.14
23 09 23 00-0614 EA 19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19)	519.50	35.14
23 09 23 00-0615 EA 34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34)	686.53	35.14
23 09 23 00-0616 EA Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24- Point Compact Series (Siemens PXA-HMI.CABLEP5).....	22.71	
23 09 23 00-0617 EA 115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA)	560.65	35.14
23 09 23 00-0618 EA 115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA)	812.84	35.14
23 09 23 00-0619 EA 230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA)	653.56	35.14
23 09 23 00-0620 EA 230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA)	919.04	35.14
23 09 23 00-0621 EA PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A)	4,376.38	393.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0622 EA PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A).....	3,192.72	112.46
23 09 23 00-0623 EA Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A).....	4,879.50	449.80
23 09 23 00-0624 EA 16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A)	1,988.86	210.85
23 09 23 00-0625 EA 16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A)	2,141.61	210.85
23 09 23 00-0626 EA 16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A)	1,988.86	210.85
23 09 23 00-0627 EA 24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A)	2,519.50	224.90
23 09 23 00-0628 EA 24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A)	2,595.85	224.90
23 09 23 00-0629 EA 24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A)	2,563.47	224.90
23 09 23 00-0630 EA 24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A)	2,711.19	224.90
23 09 23 00-0631 EA 24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A)	2,519.50	224.90
23 09 23 00-0632 EA 24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A)	2,635.19	224.90
23 09 23 00-0633 EA 36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A)	4,073.63	393.59
23 09 23 00-0634 EA 36 Point, BACnet/IP Or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A)	6,520.65	449.80
23 09 23 00-0635 EA License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXF-TXIO.A).....	955.70	
23 09 23 00-0636 EA Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S)	374.89	28.11
23 09 23 00-0637 EA Controller Mounted Operator Display Module (Siemens PXM10T).....	444.94	56.23
23 09 23 00-0638 EA Provides FLN Support For The PXC Modular, Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported (Siemens PXX-485.3)	483.51	14.05
23 09 23 00-0639 EA Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN)	197.09	40.49
23 09 23 00-0640 EA Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC)	138.79	22.49
23 09 23 00-0641 EA 4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010)	91.18	22.49
23 09 23 00-0642 EA 8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020)	133.78	40.49
23 09 23 00-0643 EA 24" Flexible Averaging Probe (Siemens QAM2012.750).....	191.26	40.49
23 09 23 00-0644 EA 2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200).....	185.44	40.49
23 09 23 00-0645 EA 10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X)	1,824.06	226.45
23 09 23 00-0646 EA Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12)	19.61	7.03
23 09 23 00-0647 EA Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100).....	0.33	
23 09 23 00-0648 EA 16 Digital Input Module (Siemens TXM1.16D).....	835.80	112.46
23 09 23 00-0649 EA 6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M)	1,256.28	168.67
23 09 23 00-0650 EA 8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML)	1,527.96	168.67
23 09 23 00-0651 EA 1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4).....	406.23	22.49
23 09 23 00-0652 Cypress Envirosystems Controls <small>(23 09 23)</small>		
23 09 23 00-0653 Wireless Pneumatic Thermostat <small>(23 09 23 00-0652)</small>		
Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.		
23 09 23 00-0654 EA Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP).....	540.80	7.03
Note: One for every thermostat to be retrofitted.		
<i>For >50 To 200, Deduct</i> -28.77		
<i>For >200, Deduct</i> -57.48		
23 09 23 00-0655 EA Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP).....	540.80	7.03
Note: One for every thermostat to be retrofitted.		
<i>For >50 To 200, Deduct</i> -28.77		
<i>For >200, Deduct</i> -57.48		
23 09 23 00-0656 EA Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP)	540.80	7.03
Note: One for every thermostat to be retrofitted.		
<i>For >50 To 200, Deduct</i> -28.77		
<i>For >200, Deduct</i> -57.48		
23 09 23 00-0657 EA Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP)	540.80	7.03
Note: One for every thermostat to be retrofitted.		
<i>For >50 To 200, Deduct</i> -28.77		
<i>For >200, Deduct</i> -57.48		
23 09 23 00-0658 EA Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP-DB).....	617.85	7.03
Note: One for every thermostat to be retrofitted.		
<i>For >50 To 200, Deduct</i> -33.05		
<i>For >200, Deduct</i> -66.04		
23 09 23 00-0659 EA Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP-DB)	617.85	7.03
Note: One for every thermostat to be retrofitted.		
<i>For >50 To 200, Deduct</i> -33.05		
<i>For >200, Deduct</i> -66.04		
23 09 23 00-0660 EA Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB)	617.85	7.03
Note: One for every thermostat to be retrofitted.		
<i>For >50 To 200, Deduct</i> -33.05		
<i>For >200, Deduct</i> -66.04		
23 09 23 00-0661 EA Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP-DB)	617.85	7.03
Note: One for every thermostat to be retrofitted.		
<i>For >50 To 200, Deduct</i> -33.05		
<i>For >200, Deduct</i> -66.04		
23 09 23 00-0662 EA Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV).....	40.06	7.03
Note: Optional cover.		
<i>For >50 To 200, Deduct</i> -1.84		
<i>For >200, Deduct</i> -3.67		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0663 EA Green Box Controller (Cypress Envirosystems GBC-800-001)	3,223.89	7.03
Note: One unit for up to 100 thermostats.		
For 2, Deduct	-163.62	
For >2, Deduct	-326.94	
23 09 23 00-0664 EA WPT USB Hub (Cypress Envirosystems WPT-800-HUSB)	374.65	7.03
Note: One unit for up to 100 thermostats.		
For 2, Deduct	-20.44	
For >2, Deduct	-40.84	
23 09 23 00-0665 EA WPT Repeater (Cypress Envirosystems WPT-800-RWAL)	420.42	7.03
Note: One unit for up to 15 thermostats.		
For >5 To 10, Deduct	-21.42	
For >10, Deduct	-42.80	
23 09 23 00-0666 EA 24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V)	518.31	7.03
Note: One unit for up to 15 thermostats.		
For >5 To 10, Deduct	-24.91	
For >10, Deduct	-49.78	
23 09 23 00-0667 Melink Intelli-Hood IH3 Controls (23 09 23)		
23 09 23 00-0668 Kitchen Ventilation Controllers (23 09 23 00-0667)		
23 09 23 00-0669 EA Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001)	5,373.62	281.13
Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points include: 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up.		
23 09 23 00-0670 EA Graphical User Interface (Melink Intelli-Hood 2KPD-3001)	994.47	57.99
Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.		
23 09 23 00-0671 EA Hood Controller (Melink Intelli-Hood 2SEN-3001)	1,662.37	234.04
Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.		
23 09 23 00-0672 Kitchen Ventilation Sensors (23 09 23 00-0667)		
23 09 23 00-0673 EA Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q)	298.12	40.49
Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.		
23 09 23 00-0674 EA Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28)	2,531.22	224.90
Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.		
23 09 23 00-0675 Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators (23 09 23)		
23 09 23 00-0676 Temperature Sensors (23 09 23 00-0675)		
23 09 23 00-0677 EA 10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24)	127.56	40.49
23 09 23 00-0678 EA 10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO)	152.10	40.49
23 09 23 00-0679 EA 10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG)	130.97	40.49
23 09 23 00-0680 EA 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH)	129.34	40.49
23 09 23 00-0681 EA 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18)	175.19	40.49
23 09 23 00-0682 EA 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6)	138.44	40.49
23 09 23 00-0683 EA 10K Ohm Thermistor Duct Temperature Sensor With Non Metallic Handibox Housing (Kele ST-D24-XHP)	130.10	40.49
23 09 23 00-0684 EA 10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4)	146.81	40.49
23 09 23 00-0685 EA 10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW)	142.72	40.49
23 09 23 00-0686 EA 10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24)	180.57	56.23
23 09 23 00-0687 EA 10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25)	186.39	56.23
23 09 23 00-0688 EA Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF)	74.88	22.49
23 09 23 00-0689 EA Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R)	77.34	22.49
23 09 23 00-0690 EA Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SF)	77.34	22.49
23 09 23 00-0691 Water Temperature Sensors (23 09 23 00-0675)		
23 09 23 00-0692 EA 5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001)	95.80	43.51
23 09 23 00-0693 EA Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005)	221.19	43.51
23 09 23 00-0694 Relative Humidity Sensors (23 09 23 00-0675)		
23 09 23 00-0695 EA 3% Duct Mounted RH Sensor (Kele HD30K)	288.77	40.49
23 09 23 00-0696 EA 10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3)	298.49	40.49
23 09 23 00-0697 EA 3% RH Outdoor Air Sensor (Kele HO30K)	336.60	56.23
23 09 23 00-0698 EA 2% Surface Mounted RH Transmitter (Kele HW20K)	250.52	22.49
23 09 23 00-0699 Pressure Sensors (23 09 23 00-0675)		
23 09 23 00-0700 EA Differential Pressure Transmitters With NEMA 1 Case, 0 To .5" W.C. (Kele T30-005)	363.30	47.48
23 09 23 00-0701 EA Differential Pressure Transmitters With NEMA 1 Case, 0 To 5" W.C. (Kele T30-050)	332.50	47.48
23 09 23 00-0702 EA Adjustable Differential Pressure Switches, .05 To 12" W.C. (Kele AFS-222)	148.76	47.48
23 09 23 00-0703 EA Adjustable Differential Pressure Switches, .05 To 2" W.C. (Kele AFS-262)	150.29	47.48
23 09 23 00-0704 EA Manual Reset Adjustable Differential Pressure Switches, .4 To 2" W.C. (Kele AFS-460)	161.21	47.48



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 09 23 00-0705	EA		Adjustable Differential Pressure Switches, .05 To 12" W.C., 1/8" NPT (Kele AFS-145).....	147.77	47.48
	23 09 23 00-0706	EA		Water Differential Pressure Transmitter, 0 To 100psid, Bypass Valve Assembly Option (Kele 360C-P210D-BVA).....	1,467.26	47.48
				Note: Excludes pipe fittings.		
	23 09 23 00-0707	EA		Water Differential Pressure Transmitter, 0 To 60psid, Bypass Valve Assembly Option (Kele 360C-P160D-BVA).....	1,467.26	47.48
				Note: Excludes pipe fittings.		
	23 09 23 00-0708	EA		Magnahelic Gauge.....	401.45	29.02
23 09 23 00-0709				Water Flow Meters <small>(23 09 23 00-0675)</small>		
	23 09 23 00-0710	EA		Insertion Electromagnetic Water Flow Meter (Onicon F-3500).....	2,680.13	62.18
				Note: Excludes pipe fittings.		
	23 09 23 00-0711	EA		Dual Turbine Insertion Flow Meter With Analog Output (Onicon F-1210).....	151.18	20.72
				Note: Excludes pipe fittings.		
23 09 23 00-0712				Air Flow Monitoring Stations <small>(23 09 23 00-0675)</small>		
	23 09 23 00-0713	EA		Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116).....	2,106.78	67.26
				Note: 10' cable, 36" x 24" typical duct size.		
	23 09 23 00-0714	EA		Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116).....	3,017.30	67.26
				Note: 10' cable, 48" x 36" typical duct size.		
	23 09 23 00-0715	EA		Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116).....	3,751.38	67.26
				Note: 10' cable, 60" x 48" typical duct size.		
23 09 23 00-0716				Gas Sensors <small>(23 09 23 00-0675)</small>		
	23 09 23 00-0717	EA		6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B).....	1,112.86	33.73
	23 09 23 00-0718	EA		Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD).....	409.88	22.49
	23 09 23 00-0719	EA		CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2).....	886.12	33.73
				Note: Solid state sensor.		
	23 09 23 00-0720	EA		CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD).....	486.49	40.49
23 09 23 00-0721				Room Pressure Monitoring <small>(23 09 23 00-0675)</small>		
	23 09 23 00-0722	EA		Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM).....	1,739.04	35.03
	23 09 23 00-0723	EA		Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC).....	2,797.48	35.03
				Note: Excludes dampers and actuators.		
	23 09 23 00-0724	EA		Hospital Room Pressure Status Remote Visual Display (TSI 8694-4).....	222.20	21.01
	23 09 23 00-0725	EA		Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7).....	255.98	21.01
23 09 23 00-0726				Current Switches And Current Sensors <small>(23 09 23 00-0675)</small>		
	23 09 23 00-0727	EA		Current Sensor, 0-20 Amp, 0-5 Volt DC (Senva C-1203).....	72.45	22.49
	23 09 23 00-0728	EA		Current Sensor, 0-20 Amp, 4-20mA (Senva C-1205).....	74.47	22.49
	23 09 23 00-0729	EA		VFD Current Switch, 0.5-135 Amp Range, Split Core (Senva C-2350VFD-L).....	95.78	22.49
	23 09 23 00-0730	EA		Current Switch, 0.15-100 Amp Range, Split Core With NC Command Relay (Senva C-2300 And CR4-24).....	78.56	22.49
	23 09 23 00-0731	EA		DC Current Sensor, Split Core, 0-50/100/200 Amp (Selectable), 4-20mA, 0-5 Volt DC (Veris H970HCA).....	146.86	22.49
	23 09 23 00-0732	EA		DC Current Sensor, Split Core, 0-20/40/80 Amp (Selectable), 0-20mA, 0-5 Volt DC (Veris H970LCC).....	146.86	22.49
	23 09 23 00-0733	EA		Current Switch, 1-135 Amp, N.O. Contact 1A @ 110 Volt (Veris H709).....	97.21	22.49
	23 09 23 00-0734	EA		Current Switch, 0-10/20/40 Amp, 4-20mA Analog Output, Solid Core, Loop Powered (Veris H721).....	106.18	22.49
	23 09 23 00-0735	EA		Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC).....	2,917.36	112.46
	23 09 23 00-0736	EA		Power Transducer, Modbus RTU, 100 Amp (Veris H8035-0100-2).....	452.70	22.49
				Note: 3 phase networked transducer.		
	23 09 23 00-0737	EA		Energy Meter, Three Current Switches, Pulse Output, Phase Loss Alarm Output, 2,400 Amp (Veris H8163-2400-4-3).....	673.94	22.49
	23 09 23 00-0738	EA		Current Transducer, 0-20 Amp, 0-5 Volt DC (Kele 4CTV).....	144.11	22.49
	23 09 23 00-0739	EA		Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800).....	182.92	59.74
	23 09 23 00-0740	EA		Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900).....	190.35	59.74
	23 09 23 00-0741	EA		Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708).....	198.84	59.74
	23 09 23 00-0742	EA		Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908).....	209.46	59.74
	23 09 23 00-0743	EA		Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904).....	234.90	59.74
	23 09 23 00-0744	EA		Toggle Switch.....	77.70	28.11
	23 09 23 00-0745	EA		Maintained Pushbutton Switch.....	82.48	28.11
	23 09 23 00-0746	EA		Manual Time Switch.....	127.55	28.11
	23 09 23 00-0747	EA		Emergency Stop Switch.....	208.15	28.11
	23 09 23 00-0748	EA		Float Switch.....	208.45	28.11
	23 09 23 00-0749	EA		Break Glass Switch.....	656.32	28.11
	23 09 23 00-0750	EA		Boiler E-Stop Switch.....	419.00	28.11
23 09 23 00-0751				Relays <small>(23 09 23 00-0675)</small>		
	23 09 23 00-0752	EA		DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V).....	66.36	22.49
	23 09 23 00-0753	EA		SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1).....	75.58	22.49
	23 09 23 00-0754	EA		SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B).....	98.78	28.11
				Note: Box type.		
	23 09 23 00-0755	EA		Motor Starter Interface, 300msec Pulse (Kele PIL-2).....	126.78	22.49
	23 09 23 00-0756	EA		DP Relay Socket, DIN Rail Mounted (Kele SH2B-05).....	62.81	22.49
	23 09 23 00-0757	EA		SP Relay Socket, DIN Rail Mounted (Kele SH1B-05).....	61.13	22.49
	23 09 23 00-0758	EA		SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V).....	65.32	22.49

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0759 EA DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V)	61.53	22.49
23 09 23 00-0760 EA SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V)	68.73	22.49
23 09 23 00-0761 EA SPDT Pilot Relay, Universal (Kele RIBU1C).....	89.49	28.11
Note: Box type.		
23 09 23 00-0762 EA SPST Pilot Relay With HOA Switch (Kele RIBU1S).....	97.82	28.11
Note: Box type.		
23 09 23 00-0763 EA SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400)	207.11	28.11
23 09 23 00-0764 EA SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450)	247.65	28.11
23 09 23 00-0765 Surge Protectors (23 09 23 00-0675)		
23 09 23 00-0766 EA Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255)	179.33	5.63
23 09 23 00-0767 EA Surge Protector, 1AC Outlet (Transtector TR2251)	135.72	5.63
23 09 23 00-0768 EA Surge Protector, 2 AC Outlets (Transtector TR2254)	210.76	5.63
23 09 23 00-0769 EA Surge Protector, DB-15 Connection (Transtector TR2259-DLP15)	114.42	5.63
23 09 23 00-0770 EA Surge Protector, DB-25 Connection (Transtector TR2259-DLP25)	114.42	5.63
23 09 23 00-0771 EA Surge Protector, DB-9 Connection (Transtector TR2259-DLP9)	114.42	5.63
23 09 23 00-0772 EA Surge Protector, Individual Wire Connection (Transtector TR2258)	165.13	5.63
23 09 23 00-0773 EA Surge Protector, Trane Communication Links (Transtector TR2257)	102.25	5.63
23 09 23 00-0774 Transformers (23 09 23 00-0675)		
23 09 23 00-0775 EA 50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA)	83.25	22.49
23 09 23 00-0776 EA 75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB)	90.67	22.49
23 09 23 00-0777 EA 75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA)	93.96	22.49
23 09 23 00-0778 EA 100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB)	97.41	22.49
23 09 23 00-0779 EA 100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA)	105.90	22.49
23 09 23 00-0780 Power Supplies (23 09 23 00-0675)		
23 09 23 00-0781 EA Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA).....	109.02	22.49
23 09 23 00-0782 EA AC/DC Power Supply, 1.2 Amp @ 24 Volt Output (Kele DCPA-1.2)	129.33	22.49
23 09 23 00-0783 EA DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524)	117.97	22.49
23 09 23 00-0784 EA DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D)	122.14	22.49
23 09 23 00-0785 EA DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H).....	122.14	22.49
23 09 23 00-0786 EA DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P)	122.14	22.49
23 09 23 00-0787 EA DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amp (Kele DCP-1.5-W-C).....	97.63	22.49
23 09 23 00-0788 Control Damper Actuators (23 09 23 00-0675)		
23 09 23 00-0789 EA 44 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR).....	334.54	57.88
23 09 23 00-0790 EA 90 IN-LB, 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR)	352.63	57.88
23 09 23 00-0791 EA 90 IN-LB, 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP)	413.32	57.88
23 09 23 00-0792 EA 175 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR)	425.03	57.88
23 09 23 00-0793 EA 90 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR).....	452.71	57.88
23 09 23 00-0794 EA 360 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR)	494.23	57.88
23 09 23 00-0795 Valves With Actuator (23 09 23 00-0675)		
23 09 23 00-0796 EA 1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US).....	413.43	9.08
23 09 23 00-0797 EA 3/4" 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US).....	427.72	12.24
23 09 23 00-0798 EA 1" 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)	468.22	14.82
23 09 23 00-0799 EA 1-1/4" 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US).....	511.09	18.76
23 09 23 00-0800 EA 1-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	582.19	21.66
23 09 23 00-0801 EA 2" 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	658.06	25.59
23 09 23 00-0802 EA 2-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)	1,230.92	51.18
23 09 23 00-0803 EA 3" 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)	1,334.69	59.89
23 09 23 00-0804 EA 4" 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)	1,801.97	87.98
23 09 23 00-0805 EA 5" 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)	2,650.45	127.14
23 09 23 00-0806 EA 6" 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)	2,935.76	140.76
23 09 23 00-0807 EA 1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US).....	445.01	13.62
23 09 23 00-0808 EA 3/4" 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US).....	458.97	18.36
23 09 23 00-0809 EA 1" 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)	497.39	22.22
23 09 23 00-0810 EA 1-1/4" 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US)	551.60	28.15
23 09 23 00-0811 EA 1-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US)	708.28	32.48
23 09 23 00-0812 EA 2" 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US)	785.85	38.39
23 09 23 00-0813 EA 2-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1).....	1,388.59	76.78
23 09 23 00-0814 EA 3" 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1).....	1,526.66	89.85
23 09 23 00-0815 EA 4" 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2"GMX24-MFTX1).....	2,221.71	131.97
23 09 23 00-0816 EA 5" 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2"GMX24-MFTX1).....	3,222.46	190.71
23 09 23 00-0817 EA 6" 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2"GMX24-MFTX1).....	3,582.30	211.14
23 09 23 00-0818 EA 1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC)	108.94	9.08
23 09 23 00-0819 EA 3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC)	125.36	12.24
23 09 23 00-0820 EA 1" Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC)	159.59	14.82
23 09 23 00-0821 EA 1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC)	128.82	13.62
23 09 23 00-0822 EA 3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC)	148.10	18.36



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0823	EA			1" Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC).....	186.52	22.22
23 09 23 00-0824	EA			1/2" 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3)	153.66	9.08
23 09 23 00-0825	EA			3/4" 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3)	197.74	12.24
23 09 23 00-0826	EA			1" 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3).....	204.19	14.82
23 09 23 00-0827	EA			1-1/4" 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3)	267.30	18.76
23 09 23 00-0828	EA			1-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3)	274.52	21.66
23 09 23 00-0829	EA			2" 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3)	350.35	25.59
23 09 23 00-0830	EA			2-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3)	755.04	51.18
23 09 23 00-0831	EA			3" 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3)	886.48	59.89
23 09 23 00-0832	EA			1/2" 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3)	184.18	13.62
23 09 23 00-0833	EA			3/4" 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3)	210.93	18.36
23 09 23 00-0834	EA			1" 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3).....	272.76	22.22
23 09 23 00-0835	EA			1-1/4" 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3)	389.77	28.15
23 09 23 00-0836	EA			1-1/2" 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3)	409.12	32.48
23 09 23 00-0837	EA			2" 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3)	539.91	38.39
23 09 23 00-0838	EA			2" 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1)	440.95	46.92
23 09 23 00-0839	EA			2-1/2" 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1).....	461.20	51.18
23 09 23 00-0840	EA			3" 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1)	609.67	59.89
23 09 23 00-0841	EA			4" 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2"GMB24-3X1).....	961.46	100.54
23 09 23 00-0842	EA			5" 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24)	1,857.30	127.14
23 09 23 00-0843	EA			6" 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24)	2,006.33	140.76
23 09 23 00-0844	EA			8" 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24)	2,803.97	160.87
23 09 23 00-0845	EA			10" 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24)	3,522.50	197.07
23 09 23 00-0846	EA			12" 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24)	4,164.74	238.87
23 09 23 00-0847	EA			14" 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24)	4,619.53	281.52
23 09 23 00-0848	EA			16" 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110)	6,142.06	309.68
23 09 23 00-0849	EA			18" 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110)	7,459.71	344.02
23 09 23 00-0850	EA			2" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+AMB24-3X1).....	822.19	70.38
23 09 23 00-0851	EA			2-1/2" 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1)	971.27	76.78
23 09 23 00-0852	EA			3" 3-Way Butterfly Valve With Actuator (Belimo F780HD+2"GMB24-3X1)	1,201.96	89.85
23 09 23 00-0853	EA			4" 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2"GMB24-3X1).....	1,589.65	150.81
23 09 23 00-0854	EA			5" 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24)	2,991.43	190.71
23 09 23 00-0855	EA			6" 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24)	3,426.85	211.14
23 09 23 00-0856	EA			8" 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24)	4,245.42	241.33
23 09 23 00-0857	EA			10" 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24)	5,634.17	295.60
23 09 23 00-0858	EA			12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24)	5,247.97	358.31
23 09 23 00-0859	EA			14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110)	6,575.36	422.28
23 09 23 00-0860	EA			16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110)	12,116.32	664.51
23 09 23 00-0861	EA			18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110)	18,182.62	516.04
23 09 23 00-0862 Valve Actuators (23 09 23 00-0875)						
23 09 23 00-0863	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T).....	282.87	58.15
23 09 23 00-0864	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3).....	290.53	58.15
23 09 23 00-0865	EA			24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T)	323.27	58.15
23 09 23 00-0866	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S).....	334.59	58.15
23 09 23 00-0867	EA			24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR).....	337.45	58.15
23 09 23 00-0868	EA			24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT)	381.97	58.15
23 09 23 00-0869	EA			24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1)	403.05	58.15
23 09 23 00-0870	EA			24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95).....	411.18	58.15
23 09 23 00-0871	EA			24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT).....	430.81	58.15
23 09 23 00-0872	EA			120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3)	314.96	58.15
23 09 23 00-0873	EA			120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR).....	356.13	58.15
23 09 23 00-0874	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T).....	356.13	58.15
23 09 23 00-0875	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3).....	362.36	58.15
23 09 23 00-0876	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14).....	369.22	58.15
23 09 23 00-0877	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S)	410.71	58.15
23 09 23 00-0878	EA			24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T)	425.06	58.15
23 09 23 00-0879	EA			24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR)	431.29	58.15
23 09 23 00-0880	EA			24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT).....	444.81	58.15
23 09 23 00-0881	EA			24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC)	446.62	58.15
23 09 23 00-0882	EA			24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95)	451.40	58.15

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0883 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4).....	561.51	58.15
23 09 23 00-0884 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4).....	602.21	58.15
23 09 23 00-0885 EA 100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3).....	402.57	58.15
23 09 23 00-0886 EA 100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR).....	474.86	58.15
23 09 23 00-0887 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24).....	1,228.43	58.15
23 09 23 00-0888 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24).....	1,373.01	58.15
23 09 23 00-0889 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24).....	1,684.21	58.15
23 09 23 00-0890 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24).....	1,902.04	58.15
23 09 23 00-0891 EA 120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110).....	2,229.99	58.15
23 09 23 00-0892 EA 120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110).....	2,630.72	58.15
23 09 23 00-0893 EA 120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110).....	3,461.85	58.15
23 09 23 00-0894 EA 120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110).....	4,237.91	58.15
23 09 23 00-0895 Rectangular Volume Control Dampers (23 09 23 00-0675)		
Note: Excludes actuators.		
23 09 23 00-0896 EA 8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008).....	111.03	21.72
23 09 23 00-0897 EA 10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010).....	125.09	23.82
23 09 23 00-0898 EA 12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012).....	139.84	26.28
23 09 23 00-0899 EA 14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014).....	161.72	30.82
23 09 23 00-0900 EA 16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016).....	182.90	35.03
23 09 23 00-0901 EA 18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018).....	185.28	39.41
23 09 23 00-0902 EA 20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020).....	227.05	43.78
23 09 23 00-0903 EA 24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024).....	271.16	52.54
23 09 23 00-0904 EA 32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032).....	347.77	61.30
23 09 23 00-0905 EA 48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048).....	514.86	70.06
23 09 23 00-0906 EA 60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060).....	940.66	78.82
23 09 23 00-0907 EA 72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072).....	1,193.99	87.58
23 09 23 00-0908 Round Control Galvanized Dampers (23 09 23 00-0675)		
Note: Excludes actuators.		
23 09 23 00-0909 EA 6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06).....	111.63	26.28
23 09 23 00-0910 EA 8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08).....	111.68	26.28
23 09 23 00-0911 EA 10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10).....	116.42	26.28
23 09 23 00-0912 EA 12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12).....	122.27	26.28
23 09 23 00-0913 EA 14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14).....	139.83	26.28
23 09 23 00-0914 EA 16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16).....	159.49	35.03
23 09 23 00-0915 EA 18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18).....	214.20	36.87
23 09 23 00-0916 EA 20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20).....	223.92	38.22
23 09 23 00-0917 EA 22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22).....	237.69	41.20
23 09 23 00-0918 EA 24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24).....	251.70	44.19
23 09 23 00-0919 Peco Thermostats and Sensors (23 09 23 00-0675)		
23 09 23 00-0920 EA 3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ).....	284.20	10.54
23 09 23 00-0921 EA 3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001).....	366.50	10.54
23 09 23 00-0922 EA Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001).....	161.30	15.81
23 09 23 00-0923 EA Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001).....	135.76	15.81
23 09 23 00-0924 EA Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001).....	216.58	15.81
23 09 23 00-0925 EA Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002).....	185.23	15.81
23 09 23 00-0926 EA Door Switch Occupancy Sensor (Peco SE200-001).....	40.28	15.81
23 09 23 00-0927 EA Window Switch Occupancy Sensor (Peco SE200-002).....	38.61	15.81
23 09 23 00-0928 EA Power Pack And Controller (Peco SF200-001).....	78.13	15.81
23 09 23 00-0929 Rectangular Volume Control Dampers (Ruskin) (23 09 23 00-0675)		
Note: Excludes actuators.		
23 09 23 00-0930 Rectangular Volume Control Dampers (Ruskin) (23 09 23 00-0929)		
23 09 23 00-0931 EA 8" x 8" Volume Control Damper (Ruskin CD36).....	89.78	26.28
23 09 23 00-0932 EA 8" x 12" Volume Control Damper (Ruskin CD36).....	95.10	26.28
23 09 23 00-0933 EA 8" x 16" Volume Control Damper (Ruskin CD36).....	101.53	26.28
23 09 23 00-0934 EA 8" x 20" Volume Control Damper (Ruskin CD36).....	133.90	35.03
23 09 23 00-0935 EA 8" x 24" Volume Control Damper (Ruskin CD36).....	143.43	35.03
23 09 23 00-0936 EA 8" x 28" Volume Control Damper (Ruskin CD36).....	148.75	35.03
23 09 23 00-0937 EA 8" x 32" Volume Control Damper (Ruskin CD36).....	162.71	35.03
23 09 23 00-0938 EA 8" x 36" Volume Control Damper (Ruskin CD36).....	193.97	43.78
23 09 23 00-0939 EA 12" x 8" Volume Control Damper (Ruskin CD36).....	95.10	26.28



Heating, Ventilating, And Air-Conditioning (HVAC)	23
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Direct-Digital Control System For HVAC	23 09 23

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0940	EA			12" x 12" Volume Control Damper (Ruskin CD36).....	98.20	26.28
23 09 23 00-0941	EA			12" x 16" Volume Control Damper (Ruskin CD36).....	122.15	35.03
23 09 23 00-0942	EA			12" x 20" Volume Control Damper (Ruskin CD36).....	137.00	35.03
23 09 23 00-0943	EA			12" x 24" Volume Control Damper (Ruskin CD36).....	164.27	43.78
23 09 23 00-0944	EA			12" x 28" Volume Control Damper (Ruskin CD36).....	169.59	43.78
23 09 23 00-0945	EA			12" x 32" Volume Control Damper (Ruskin CD36).....	183.34	43.78
23 09 23 00-0946	EA			12" x 36" Volume Control Damper (Ruskin CD36).....	214.58	52.54
23 09 23 00-0947	EA			16" x 8" Volume Control Damper (Ruskin CD36).....	101.53	26.28
23 09 23 00-0948	EA			16" x 12" Volume Control Damper (Ruskin CD36).....	126.36	35.03
23 09 23 00-0949	EA			16" x 16" Volume Control Damper (Ruskin CD36).....	126.58	35.03
23 09 23 00-0950	EA			16" x 20" Volume Control Damper (Ruskin CD36).....	157.84	43.78
23 09 23 00-0951	EA			16" x 24" Volume Control Damper (Ruskin CD36).....	168.48	43.78
23 09 23 00-0952	EA			16" x 28" Volume Control Damper (Ruskin CD36).....	193.30	52.54
23 09 23 00-0953	EA			16" x 32" Volume Control Damper (Ruskin CD36).....	205.05	52.54
23 09 23 00-0954	EA			16" x 36" Volume Control Damper (Ruskin CD36).....	217.90	52.54
23 09 23 00-0955	EA			20" x 8" Volume Control Damper (Ruskin CD36).....	133.90	35.03
23 09 23 00-0956	EA			20" x 12" Volume Control Damper (Ruskin CD36).....	120.15	35.03
23 09 23 00-0957	EA			20" x 16" Volume Control Damper (Ruskin CD36).....	147.21	43.78
23 09 23 00-0958	EA			20" x 20" Volume Control Damper (Ruskin CD36).....	160.95	43.78
23 09 23 00-0959	EA			20" x 24" Volume Control Damper (Ruskin CD36).....	187.09	52.54
23 09 23 00-0960	EA			20" x 28" Volume Control Damper (Ruskin CD36).....	199.73	52.54
23 09 23 00-0961	EA			20" x 32" Volume Control Damper (Ruskin CD36).....	228.11	61.30
23 09 23 00-0962	EA			20" x 36" Volume Control Damper (Ruskin CD36).....	239.63	61.30
23 09 23 00-0963	EA			24" x 8" Volume Control Damper (Ruskin CD36).....	120.15	35.03
23 09 23 00-0964	EA			24" x 12" Volume Control Damper (Ruskin CD36).....	140.78	43.78
23 09 23 00-0965	EA			24" x 16" Volume Control Damper (Ruskin CD36).....	150.31	43.78
23 09 23 00-0966	EA			24" x 20" Volume Control Damper (Ruskin CD36).....	182.66	52.54
23 09 23 00-0967	EA			24" x 24" Volume Control Damper (Ruskin CD36).....	192.41	52.54
23 09 23 00-0968	EA			24" x 28" Volume Control Damper (Ruskin CD36).....	221.46	61.30
23 09 23 00-0969	EA			24" x 32" Volume Control Damper (Ruskin CD36).....	235.42	61.30
23 09 23 00-0970	EA			24" x 36" Volume Control Damper (Ruskin CD36).....	246.06	61.30
23 09 23 00-0971	EA			28" x 8" Volume Control Damper (Ruskin CD36).....	122.15	35.03
23 09 23 00-0972	EA			28" x 12" Volume Control Damper (Ruskin CD36).....	142.99	43.78
23 09 23 00-0973	EA			28" x 16" Volume Control Damper (Ruskin CD36).....	168.92	52.54
23 09 23 00-0974	EA			28" x 20" Volume Control Damper (Ruskin CD36).....	185.98	52.54
23 09 23 00-0975	EA			28" x 24" Volume Control Damper (Ruskin CD36).....	211.93	61.30
23 09 23 00-0976	EA			28" x 28" Volume Control Damper (Ruskin CD36).....	224.78	61.30
23 09 23 00-0977	EA			28" x 32" Volume Control Damper (Ruskin CD36).....	236.53	61.30
23 09 23 00-0978	EA			28" x 36" Volume Control Damper (Ruskin CD36).....	252.49	61.30
23 09 23 00-0979	EA			32" x 8" Volume Control Damper (Ruskin CD36).....	123.26	35.03
23 09 23 00-0980	EA			32" x 12" Volume Control Damper (Ruskin CD36).....	143.88	43.78
23 09 23 00-0981	EA			32" x 16" Volume Control Damper (Ruskin CD36).....	172.02	52.54
23 09 23 00-0982	EA			32" x 20" Volume Control Damper (Ruskin CD36).....	204.61	61.30
23 09 23 00-0983	EA			32" x 24" Volume Control Damper (Ruskin CD36).....	217.25	61.30
23 09 23 00-0984	EA			32" x 28" Volume Control Damper (Ruskin CD36).....	228.99	61.30
23 09 23 00-0985	EA			32" x 32" Volume Control Damper (Ruskin CD36).....	241.85	61.30
23 09 23 00-0986	EA			32" x 36" Volume Control Damper (Ruskin CD36).....	274.22	70.06
23 09 23 00-0987	EA			36" x 8" Volume Control Damper (Ruskin CD36).....	144.99	43.78
23 09 23 00-0988	EA			36" x 12" Volume Control Damper (Ruskin CD36).....	165.81	52.54
23 09 23 00-0989	EA			36" x 16" Volume Control Damper (Ruskin CD36).....	175.34	52.54
23 09 23 00-0990	EA			36" x 20" Volume Control Damper (Ruskin CD36).....	207.72	61.30
23 09 23 00-0991	EA			36" x 24" Volume Control Damper (Ruskin CD36).....	221.46	61.30
23 09 23 00-0992	EA			36" x 28" Volume Control Damper (Ruskin CD36).....	235.42	61.30
23 09 23 00-0993	EA			36" x 32" Volume Control Damper (Ruskin CD36).....	263.58	70.06
23 09 23 00-0994	EA			36" x 36" Volume Control Damper (Ruskin CD36).....	278.43	70.06
23 09 23 00-0995	EA			36" x 40" Volume Control Damper (Ruskin CD36).....	291.29	70.06
23 09 23 00-0996	EA			36" x 44" Volume Control Damper (Ruskin CD36).....	305.03	70.06
23 09 23 00-0997	EA			36" x 48" Volume Control Damper (Ruskin CD36).....	316.78	70.06
23 09 23 00-0998	EA			36" x 52" Volume Control Damper (Ruskin CD36).....	330.52	70.06
23 09 23 00-0999	EA			36" x 56" Volume Control Damper (Ruskin CD36).....	344.49	70.06
23 09 23 00-1000	EA			36" x 60" Volume Control Damper (Ruskin CD36).....	356.01	70.06
23 09 23 00-1001	EA			36" x 64" Volume Control Damper (Ruskin CD36).....	371.97	70.06
23 09 23 00-1002	EA			36" x 68" Volume Control Damper (Ruskin CD36).....	402.34	78.82
23 09 23 00-1003	EA			36" x 72" Volume Control Damper (Ruskin CD36).....	425.83	78.82
23 09 23 00-1004	EA			36" x 76" Volume Control Damper (Ruskin CD36).....	497.65	78.82
23 09 23 00-1005	EA			36" x 80" Volume Control Damper (Ruskin CD36).....	497.65	78.82
23 09 23 00-1006	EA			36" x 84" Volume Control Damper (Ruskin CD36).....	528.68	78.82
23 09 23 00-1007	EA			40" x 40" Volume Control Damper (Ruskin CD36).....	296.61	70.06
23 09 23 00-1008	EA			40" x 44" Volume Control Damper (Ruskin CD36).....	310.35	70.06
23 09 23 00-1009	EA			40" x 48" Volume Control Damper (Ruskin CD36).....	324.09	70.06
23 09 23 00-1010	EA			40" x 52" Volume Control Damper (Ruskin CD36).....	339.17	70.06
23 09 23 00-1011	EA			40" x 56" Volume Control Damper (Ruskin CD36).....	351.80	70.06
23 09 23 00-1012	EA			40" x 60" Volume Control Damper (Ruskin CD36).....	381.06	78.82
23 09 23 00-1013	EA			40" x 64" Volume Control Damper (Ruskin CD36).....	397.02	78.82
23 09 23 00-1014	EA			40" x 68" Volume Control Damper (Ruskin CD36).....	411.87	78.82
23 09 23 00-1015	EA			40" x 72" Volume Control Damper (Ruskin CD36).....	434.26	78.82
23 09 23 00-1016	EA			40" x 76" Volume Control Damper (Ruskin CD36).....	509.62	78.82
23 09 23 00-1017	EA			40" x 80" Volume Control Damper (Ruskin CD36).....	509.62	78.82
23 09 23 00-1018	EA			40" x 84" Volume Control Damper (Ruskin CD36).....	540.65	78.82
23 09 23 00-1019	EA			44" x 40" Volume Control Damper (Ruskin CD36).....	302.81	70.06
23 09 23 00-1020	EA			44" x 44" Volume Control Damper (Ruskin CD36).....	316.78	70.06

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-1021	EA		44" x 48" Volume Control Damper (Ruskin CD36).....	330.52	70.06
23 09 23 00-1022	EA		44" x 52" Volume Control Damper (Ruskin CD36).....	345.37	70.06
23 09 23 00-1023	EA		44" x 56" Volume Control Damper (Ruskin CD36).....	375.74	78.82
23 09 23 00-1024	EA		44" x 60" Volume Control Damper (Ruskin CD36).....	390.59	78.82
23 09 23 00-1025	EA		44" x 64" Volume Control Damper (Ruskin CD36).....	404.55	78.82
23 09 23 00-1026	EA		44" x 68" Volume Control Damper (Ruskin CD36).....	421.40	78.82
23 09 23 00-1027	EA		44" x 72" Volume Control Damper (Ruskin CD36).....	443.79	78.82
23 09 23 00-1028	EA		44" x 76" Volume Control Damper (Ruskin CD36).....	523.80	78.82
23 09 23 00-1029	EA		44" x 80" Volume Control Damper (Ruskin CD36).....	523.80	78.82
23 09 23 00-1030	EA		44" x 84" Volume Control Damper (Ruskin CD36).....	572.58	87.58
23 09 23 00-1031	EA		40" x 40" Volume Control Damper (Ruskin CD36).....	296.61	70.06
23 09 23 00-1032	EA		40" x 44" Volume Control Damper (Ruskin CD36).....	310.35	70.06
23 09 23 00-1033	EA		40" x 48" Volume Control Damper (Ruskin CD36).....	324.09	70.06
23 09 23 00-1034	EA		40" x 52" Volume Control Damper (Ruskin CD36).....	339.17	70.06
23 09 23 00-1035	EA		40" x 56" Volume Control Damper (Ruskin CD36).....	351.80	70.06
23 09 23 00-1036	EA		40" x 60" Volume Control Damper (Ruskin CD36).....	381.06	78.82
23 09 23 00-1037	EA		40" x 64" Volume Control Damper (Ruskin CD36).....	397.02	78.82
23 09 23 00-1038	EA		40" x 68" Volume Control Damper (Ruskin CD36).....	411.87	78.82
23 09 23 00-1039	EA		40" x 72" Volume Control Damper (Ruskin CD36).....	434.26	78.82
23 09 23 00-1040	EA		40" x 76" Volume Control Damper (Ruskin CD36).....	509.62	78.82
23 09 23 00-1041	EA		40" x 80" Volume Control Damper (Ruskin CD36).....	509.62	78.82
23 09 23 00-1042	EA		40" x 84" Volume Control Damper (Ruskin CD36).....	540.65	78.82
23 09 23 00-1043	EA		44" x 40" Volume Control Damper (Ruskin CD36).....	302.81	70.06
23 09 23 00-1044	EA		44" x 44" Volume Control Damper (Ruskin CD36).....	316.78	70.06
23 09 23 00-1045	EA		44" x 48" Volume Control Damper (Ruskin CD36).....	330.52	70.06
23 09 23 00-1046	EA		44" x 52" Volume Control Damper (Ruskin CD36).....	345.37	70.06
23 09 23 00-1047	EA		44" x 56" Volume Control Damper (Ruskin CD36).....	375.74	78.82
23 09 23 00-1048	EA		44" x 60" Volume Control Damper (Ruskin CD36).....	390.59	78.82
23 09 23 00-1049	EA		44" x 64" Volume Control Damper (Ruskin CD36).....	404.55	78.82
23 09 23 00-1050	EA		44" x 68" Volume Control Damper (Ruskin CD36).....	421.40	78.82
23 09 23 00-1051	EA		44" x 72" Volume Control Damper (Ruskin CD36).....	443.79	78.82
23 09 23 00-1052	EA		44" x 76" Volume Control Damper (Ruskin CD36).....	523.80	78.82
23 09 23 00-1053	EA		44" x 80" Volume Control Damper (Ruskin CD36).....	523.80	78.82
23 09 23 00-1054	EA		44" x 84" Volume Control Damper (Ruskin CD36).....	572.58	87.58
23 09 23 00-1055	EA		48" x 40" Volume Control Damper (Ruskin CD36).....	309.24	70.06
23 09 23 00-1056	EA		48" x 44" Volume Control Damper (Ruskin CD36).....	323.21	70.06
23 09 23 00-1057	EA		48" x 48" Volume Control Damper (Ruskin CD36).....	338.06	70.06
23 09 23 00-1058	EA		48" x 52" Volume Control Damper (Ruskin CD36).....	370.42	78.82
23 09 23 00-1059	EA		48" x 56" Volume Control Damper (Ruskin CD36).....	384.16	78.82
23 09 23 00-1060	EA		48" x 60" Volume Control Damper (Ruskin CD36).....	397.02	78.82
23 09 23 00-1061	EA		48" x 64" Volume Control Damper (Ruskin CD36).....	412.98	78.82
23 09 23 00-1062	EA		48" x 68" Volume Control Damper (Ruskin CD36).....	428.94	78.82
23 09 23 00-1063	EA		48" x 72" Volume Control Damper (Ruskin CD36).....	454.43	78.82
23 09 23 00-1064	EA		48" x 76" Volume Control Damper (Ruskin CD36).....	555.73	87.58
23 09 23 00-1065	EA		48" x 80" Volume Control Damper (Ruskin CD36).....	555.73	87.58
23 09 23 00-1066	EA		48" x 84" Volume Control Damper (Ruskin CD36).....	586.99	87.58
23 09 23 00-1067	EA		52" x 40" Volume Control Damper (Ruskin CD36).....	459.30	70.06
23 09 23 00-1068	EA		52" x 44" Volume Control Damper (Ruskin CD36).....	480.58	70.06
23 09 23 00-1069	EA		52" x 48" Volume Control Damper (Ruskin CD36).....	531.12	78.82
23 09 23 00-1070	EA		52" x 52" Volume Control Damper (Ruskin CD36).....	560.82	78.82
23 09 23 00-1071	EA		52" x 56" Volume Control Damper (Ruskin CD36).....	582.10	78.82
23 09 23 00-1072	EA		52" x 60" Volume Control Damper (Ruskin CD36).....	606.70	78.82
23 09 23 00-1073	EA		52" x 64" Volume Control Damper (Ruskin CD36).....	638.62	78.82
23 09 23 00-1074	EA		52" x 68" Volume Control Damper (Ruskin CD36).....	672.53	78.82
23 09 23 00-1075	EA		52" x 72" Volume Control Damper (Ruskin CD36).....	730.62	87.58
23 09 23 00-1076	EA		52" x 76" Volume Control Damper (Ruskin CD36).....	807.09	87.58
23 09 23 00-1077	EA		52" x 80" Volume Control Damper (Ruskin CD36).....	807.31	87.58
23 09 23 00-1078	EA		52" x 84" Volume Control Damper (Ruskin CD36).....	854.97	87.58
23 09 23 00-1079	EA		56" x 40" Volume Control Damper (Ruskin CD36).....	463.51	70.06
23 09 23 00-1080	EA		56" x 44" Volume Control Damper (Ruskin CD36).....	505.63	78.82
23 09 23 00-1081	EA		56" x 48" Volume Control Damper (Ruskin CD36).....	537.55	78.82
23 09 23 00-1082	EA		56" x 52" Volume Control Damper (Ruskin CD36).....	564.15	78.82
23 09 23 00-1083	EA		56" x 56" Volume Control Damper (Ruskin CD36).....	588.53	78.82
23 09 23 00-1084	EA		56" x 60" Volume Control Damper (Ruskin CD36).....	616.23	78.82
23 09 23 00-1085	EA		56" x 64" Volume Control Damper (Ruskin CD36).....	647.04	78.82
23 09 23 00-1086	EA		56" x 68" Volume Control Damper (Ruskin CD36).....	702.91	87.58
23 09 23 00-1087	EA		56" x 72" Volume Control Damper (Ruskin CD36).....	745.47	87.58
23 09 23 00-1088	EA		56" x 76" Volume Control Damper (Ruskin CD36).....	807.09	87.58
23 09 23 00-1089	EA		56" x 80" Volume Control Damper (Ruskin CD36).....	807.09	87.58
23 09 23 00-1090	EA		56" x 84" Volume Control Damper (Ruskin CD36).....	854.97	87.58
23 09 23 00-1091	EA		60" x 40" Volume Control Damper (Ruskin CD36).....	487.45	78.82
23 09 23 00-1092	EA		60" x 44" Volume Control Damper (Ruskin CD36).....	515.16	78.82
23 09 23 00-1093	EA		60" x 48" Volume Control Damper (Ruskin CD36).....	545.97	78.82
23 09 23 00-1094	EA		60" x 52" Volume Control Damper (Ruskin CD36).....	573.68	78.82
23 09 23 00-1095	EA		60" x 56" Volume Control Damper (Ruskin CD36).....	603.38	78.82
23 09 23 00-1096	EA		60" x 60" Volume Control Damper (Ruskin CD36).....	625.77	78.82
23 09 23 00-1097	EA		60" x 64" Volume Control Damper (Ruskin CD36).....	674.10	87.58
23 09 23 00-1098	EA		60" x 68" Volume Control Damper (Ruskin CD36).....	711.33	87.58
23 09 23 00-1099	EA		60" x 72" Volume Control Damper (Ruskin CD36).....	760.32	87.58
23 09 23 00-1100	EA		60" x 76" Volume Control Damper (Ruskin CD36).....	831.03	87.58
23 09 23 00-1101	EA		60" x 80" Volume Control Damper (Ruskin CD36).....	831.03	87.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-1102 EA 60" x 84" Volume Control Damper (Ruskin CD36).....	893.31	87.58
23 09 23 00-1103 EA 64" x 40" Volume Control Damper (Ruskin CD36).....	493.88	78.82
23 09 23 00-1104 EA 64" x 44" Volume Control Damper (Ruskin CD36).....	524.69	78.82
23 09 23 00-1105 EA 64" x 48" Volume Control Damper (Ruskin CD36).....	554.39	78.82
23 09 23 00-1106 EA 64" x 52" Volume Control Damper (Ruskin CD36).....	580.99	78.82
23 09 23 00-1107 EA 64" x 56" Volume Control Damper (Ruskin CD36).....	610.91	78.82
23 09 23 00-1108 EA 64" x 60" Volume Control Damper (Ruskin CD36).....	652.82	87.58
23 09 23 00-1109 EA 64" x 64" Volume Control Damper (Ruskin CD36).....	682.74	87.58
23 09 23 00-1110 EA 64" x 68" Volume Control Damper (Ruskin CD36).....	718.87	87.58
23 09 23 00-1111 EA 64" x 72" Volume Control Damper (Ruskin CD36).....	775.17	87.58
23 09 23 00-1112 EA 64" x 76" Volume Control Damper (Ruskin CD36).....	831.03	87.58
23 09 23 00-1113 EA 64" x 80" Volume Control Damper (Ruskin CD36).....	831.03	87.58
23 09 23 00-1114 EA 64" x 84" Volume Control Damper (Ruskin CD36).....	910.82	96.33
23 09 23 00-1115 EA 66" x 40" Volume Control Damper (Ruskin CD36).....	499.20	78.82
23 09 23 00-1116 EA 66" x 44" Volume Control Damper (Ruskin CD36).....	531.12	78.82
23 09 23 00-1117 EA 66" x 48" Volume Control Damper (Ruskin CD36).....	559.71	78.82
23 09 23 00-1118 EA 66" x 52" Volume Control Damper (Ruskin CD36).....	588.53	78.82
23 09 23 00-1119 EA 66" x 56" Volume Control Damper (Ruskin CD36).....	636.86	87.58
23 09 23 00-1120 EA 66" x 60" Volume Control Damper (Ruskin CD36).....	662.35	87.58
23 09 23 00-1121 EA 66" x 64" Volume Control Damper (Ruskin CD36).....	695.37	87.58
23 09 23 00-1122 EA 66" x 68" Volume Control Damper (Ruskin CD36).....	728.40	87.58
23 09 23 00-1123 EA 66" x 72" Volume Control Damper (Ruskin CD36).....	783.81	87.58
23 09 23 00-1124 EA 66" x 76" Volume Control Damper (Ruskin CD36).....	854.97	87.58
23 09 23 00-1125 EA 66" x 80" Volume Control Damper (Ruskin CD36).....	872.48	96.33
23 09 23 00-1126 EA 66" x 84" Volume Control Damper (Ruskin CD36).....	934.76	96.33
23 09 23 00-1127 EA 72" x 40" Volume Control Damper (Ruskin CD36).....	505.41	78.82
23 09 23 00-1128 EA 72" x 44" Volume Control Damper (Ruskin CD36).....	537.55	78.82
23 09 23 00-1129 EA 72" x 48" Volume Control Damper (Ruskin CD36).....	564.15	78.82
23 09 23 00-1130 EA 72" x 52" Volume Control Damper (Ruskin CD36).....	613.58	87.58
23 09 23 00-1131 EA 72" x 56" Volume Control Damper (Ruskin CD36).....	645.50	87.58
23 09 23 00-1132 EA 72" x 60" Volume Control Damper (Ruskin CD36).....	672.10	87.58
23 09 23 00-1133 EA 72" x 64" Volume Control Damper (Ruskin CD36).....	709.34	87.58
23 09 23 00-1134 EA 72" x 68" Volume Control Damper (Ruskin CD36).....	737.93	87.58
23 09 23 00-1135 EA 72" x 72" Volume Control Damper (Ruskin CD36).....	792.24	87.58
23 09 23 00-1136 EA 72" x 76" Volume Control Damper (Ruskin CD36).....	872.48	96.33
23 09 23 00-1137 EA 72" x 80" Volume Control Damper (Ruskin CD36).....	872.48	96.33
23 09 23 00-1138 EA 72" x 84" Volume Control Damper (Ruskin CD36).....	934.76	96.33
23 09 23 00-1139 EA 76" x 40" Volume Control Damper (Ruskin CD36).....	511.83	78.82
23 09 23 00-1140 EA 76" x 44" Volume Control Damper (Ruskin CD36).....	542.87	78.82
23 09 23 00-1141 EA 76" x 48" Volume Control Damper (Ruskin CD36).....	590.09	87.58
23 09 23 00-1142 EA 76" x 52" Volume Control Damper (Ruskin CD36).....	622.01	87.58
23 09 23 00-1143 EA 76" x 56" Volume Control Damper (Ruskin CD36).....	653.92	87.58
23 09 23 00-1144 EA 76" x 60" Volume Control Damper (Ruskin CD36).....	680.52	87.58
23 09 23 00-1145 EA 76" x 64" Volume Control Damper (Ruskin CD36).....	717.76	87.58
23 09 23 00-1146 EA 76" x 68" Volume Control Damper (Ruskin CD36).....	753.89	87.58
23 09 23 00-1147 EA 76" x 72" Volume Control Damper (Ruskin CD36).....	819.28	96.33
23 09 23 00-1148 EA 76" x 76" Volume Control Damper (Ruskin CD36).....	896.41	96.33
23 09 23 00-1149 EA 76" x 80" Volume Control Damper (Ruskin CD36).....	896.41	96.33
23 09 23 00-1150 EA 76" x 84" Volume Control Damper (Ruskin CD36).....	958.70	96.33
23 09 23 00-1151 EA 80" x 40" Volume Control Damper (Ruskin CD36).....	518.26	78.82
23 09 23 00-1152 EA 80" x 44" Volume Control Damper (Ruskin CD36).....	549.07	78.82
23 09 23 00-1153 EA 80" x 48" Volume Control Damper (Ruskin CD36).....	598.51	87.58
23 09 23 00-1154 EA 80" x 52" Volume Control Damper (Ruskin CD36).....	633.75	87.58
23 09 23 00-1155 EA 80" x 56" Volume Control Damper (Ruskin CD36).....	662.35	87.58
23 09 23 00-1156 EA 80" x 60" Volume Control Damper (Ruskin CD36).....	688.95	87.58
23 09 23 00-1157 EA 80" x 64" Volume Control Damper (Ruskin CD36).....	726.18	87.58
23 09 23 00-1158 EA 80" x 68" Volume Control Damper (Ruskin CD36).....	777.83	96.33
23 09 23 00-1159 EA 80" x 72" Volume Control Damper (Ruskin CD36).....	828.81	96.33
23 09 23 00-1160 EA 80" x 76" Volume Control Damper (Ruskin CD36).....	896.41	96.33
23 09 23 00-1161 EA 80" x 80" Volume Control Damper (Ruskin CD36).....	896.41	96.33
23 09 23 00-1162 EA 80" x 84" Volume Control Damper (Ruskin CD36).....	958.70	96.33
23 09 23 00-1163 EA 84" x 40" Volume Control Damper (Ruskin CD36).....	522.47	78.82
23 09 23 00-1164 EA 84" x 44" Volume Control Damper (Ruskin CD36).....	571.91	87.58
23 09 23 00-1165 EA 84" x 48" Volume Control Damper (Ruskin CD36).....	607.16	87.58
23 09 23 00-1166 EA 84" x 52" Volume Control Damper (Ruskin CD36).....	645.50	87.58
23 09 23 00-1167 EA 84" x 56" Volume Control Damper (Ruskin CD36).....	668.78	87.58
23 09 23 00-1168 EA 84" x 60" Volume Control Damper (Ruskin CD36).....	697.59	87.58
23 09 23 00-1169 EA 84" x 64" Volume Control Damper (Ruskin CD36).....	752.34	96.33
23 09 23 00-1170 EA 84" x 68" Volume Control Damper (Ruskin CD36).....	789.58	96.33
23 09 23 00-1171 EA 84" x 72" Volume Control Damper (Ruskin CD36).....	838.56	96.33
23 09 23 00-1172 EA 84" x 76" Volume Control Damper (Ruskin CD36).....	925.23	96.33
23 09 23 00-1173 EA 84" x 80" Volume Control Damper (Ruskin CD36).....	925.23	96.33
23 09 23 00-1174 EA 84" x 84" Volume Control Damper (Ruskin CD36).....	987.51	96.33

23 09 23 00-1175 Low Leakage Rectangular Volume Control Dampers (Ruskin) (23 09 23 00-0929)

23 09 23 00-1176 EA 8" x 8" Low Leakage Volume Control Damper (Ruskin CD50).....	142.55	26.28
23 09 23 00-1177 EA 8" x 12" Low Leakage Volume Control Damper (Ruskin CD50).....	174.39	26.28
23 09 23 00-1178 EA 8" x 16" Low Leakage Volume Control Damper (Ruskin CD50).....	196.34	26.28
23 09 23 00-1179 EA 8" x 20" Low Leakage Volume Control Damper (Ruskin CD50).....	217.15	35.03
23 09 23 00-1180 EA 8" x 24" Low Leakage Volume Control Damper (Ruskin CD50).....	240.21	35.03

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-1181 EA 8" x 28" Low Leakage Volume Control Damper (Ruskin CD50).....	261.06	35.03
23 09 23 00-1182 EA 8" x 32" Low Leakage Volume Control Damper (Ruskin CD50).....	264.36	35.03
23 09 23 00-1183 EA 8" x 36" Low Leakage Volume Control Damper (Ruskin CD50).....	303.83	43.78
23 09 23 00-1184 EA 12" x 8" Low Leakage Volume Control Damper (Ruskin CD50).....	142.55	26.28
23 09 23 00-1185 EA 12" x 12" Low Leakage Volume Control Damper (Ruskin CD50).....	174.39	26.28
23 09 23 00-1186 EA 12" x 16" Low Leakage Volume Control Damper (Ruskin CD50).....	213.86	35.03
23 09 23 00-1187 EA 12" x 20" Low Leakage Volume Control Damper (Ruskin CD50).....	217.15	35.03
23 09 23 00-1188 EA 12" x 24" Low Leakage Volume Control Damper (Ruskin CD50).....	257.73	43.78
23 09 23 00-1189 EA 12" x 28" Low Leakage Volume Control Damper (Ruskin CD50).....	278.58	43.78
23 09 23 00-1190 EA 12" x 32" Low Leakage Volume Control Damper (Ruskin CD50).....	281.88	43.78
23 09 23 00-1191 EA 12" x 36" Low Leakage Volume Control Damper (Ruskin CD50).....	321.33	52.54
23 09 23 00-1192 EA 16" x 8" Low Leakage Volume Control Damper (Ruskin CD50).....	146.94	26.28
23 09 23 00-1193 EA 16" x 12" Low Leakage Volume Control Damper (Ruskin CD50).....	199.59	35.03
23 09 23 00-1194 EA 16" x 16" Low Leakage Volume Control Damper (Ruskin CD50).....	224.84	35.03
23 09 23 00-1195 EA 16" x 20" Low Leakage Volume Control Damper (Ruskin CD50).....	244.55	43.78
23 09 23 00-1196 EA 16" x 24" Low Leakage Volume Control Damper (Ruskin CD50).....	269.80	43.78
23 09 23 00-1197 EA 16" x 28" Low Leakage Volume Control Damper (Ruskin CD50).....	309.26	52.54
23 09 23 00-1198 EA 16" x 32" Low Leakage Volume Control Damper (Ruskin CD50).....	312.55	52.54
23 09 23 00-1199 EA 16" x 36" Low Leakage Volume Control Damper (Ruskin CD50).....	339.99	52.54
23 09 23 00-1200 EA 20" x 8" Low Leakage Volume Control Damper (Ruskin CD50).....	173.25	35.03
23 09 23 00-1201 EA 20" x 12" Low Leakage Volume Control Damper (Ruskin CD50).....	213.86	35.03
23 09 23 00-1202 EA 20" x 16" Low Leakage Volume Control Damper (Ruskin CD50).....	257.73	43.78
23 09 23 00-1203 EA 20" x 20" Low Leakage Volume Control Damper (Ruskin CD50).....	261.02	43.78
23 09 23 00-1204 EA 20" x 24" Low Leakage Volume Control Damper (Ruskin CD50).....	300.47	52.54
23 09 23 00-1205 EA 20" x 28" Low Leakage Volume Control Damper (Ruskin CD50).....	329.01	52.54
23 09 23 00-1206 EA 20" x 32" Low Leakage Volume Control Damper (Ruskin CD50).....	354.22	61.30
23 09 23 00-1207 EA 20" x 36" Low Leakage Volume Control Damper (Ruskin CD50).....	376.17	61.30
23 09 23 00-1208 EA 24" x 8" Low Leakage Volume Control Damper (Ruskin CD50).....	182.03	35.03
23 09 23 00-1209 EA 24" x 12" Low Leakage Volume Control Damper (Ruskin CD50).....	240.16	43.78
23 09 23 00-1210 EA 24" x 16" Low Leakage Volume Control Damper (Ruskin CD50).....	266.51	43.78
23 09 23 00-1211 EA 24" x 20" Low Leakage Volume Control Damper (Ruskin CD50).....	288.40	52.54
23 09 23 00-1212 EA 24" x 24" Low Leakage Volume Control Damper (Ruskin CD50).....	318.04	52.54
23 09 23 00-1213 EA 24" x 28" Low Leakage Volume Control Damper (Ruskin CD50).....	363.00	61.30
23 09 23 00-1214 EA 24" x 32" Low Leakage Volume Control Damper (Ruskin CD50).....	368.49	61.30
23 09 23 00-1215 EA 24" x 36" Low Leakage Volume Control Damper (Ruskin CD50).....	395.93	61.30
23 09 23 00-1216 EA 28" x 8" Low Leakage Volume Control Damper (Ruskin CD50).....	186.42	35.03
23 09 23 00-1217 EA 28" x 12" Low Leakage Volume Control Damper (Ruskin CD50).....	247.85	43.78
23 09 23 00-1218 EA 28" x 16" Low Leakage Volume Control Damper (Ruskin CD50).....	293.89	52.54
23 09 23 00-1219 EA 28" x 20" Low Leakage Volume Control Damper (Ruskin CD50).....	299.38	52.54
23 09 23 00-1220 EA 28" x 24" Low Leakage Volume Control Damper (Ruskin CD50).....	348.73	61.30
23 09 23 00-1221 EA 28" x 28" Low Leakage Volume Control Damper (Ruskin CD50).....	377.27	61.30
23 09 23 00-1222 EA 28" x 32" Low Leakage Volume Control Damper (Ruskin CD50).....	379.47	61.30
23 09 23 00-1223 EA 28" x 36" Low Leakage Volume Control Damper (Ruskin CD50).....	414.59	61.30
23 09 23 00-1224 EA 32" x 8" Low Leakage Volume Control Damper (Ruskin CD50).....	196.30	35.03
23 09 23 00-1225 EA 32" x 12" Low Leakage Volume Control Damper (Ruskin CD50).....	259.92	43.78
23 09 23 00-1226 EA 32" x 16" Low Leakage Volume Control Damper (Ruskin CD50).....	312.55	52.54
23 09 23 00-1227 EA 32" x 20" Low Leakage Volume Control Damper (Ruskin CD50).....	333.36	61.30
23 09 23 00-1228 EA 32" x 24" Low Leakage Volume Control Damper (Ruskin CD50).....	368.49	61.30
23 09 23 00-1229 EA 32" x 28" Low Leakage Volume Control Damper (Ruskin CD50).....	394.83	61.30
23 09 23 00-1230 EA 32" x 32" Low Leakage Volume Control Damper (Ruskin CD50).....	401.42	61.30
23 09 23 00-1231 EA 32" x 36" Low Leakage Volume Control Damper (Ruskin CD50).....	450.77	70.06
23 09 23 00-1232 EA 36" x 8" Low Leakage Volume Control Damper (Ruskin CD50).....	223.70	43.78
23 09 23 00-1233 EA 36" x 12" Low Leakage Volume Control Damper (Ruskin CD50).....	287.30	52.54
23 09 23 00-1234 EA 36" x 16" Low Leakage Volume Control Damper (Ruskin CD50).....	321.33	52.54
23 09 23 00-1235 EA 36" x 20" Low Leakage Volume Control Damper (Ruskin CD50).....	342.14	61.30
23 09 23 00-1236 EA 36" x 24" Low Leakage Volume Control Damper (Ruskin CD50).....	379.47	61.30
23 09 23 00-1237 EA 36" x 28" Low Leakage Volume Control Damper (Ruskin CD50).....	415.69	61.30
23 09 23 00-1238 EA 36" x 32" Low Leakage Volume Control Damper (Ruskin CD50).....	435.41	70.06
23 09 23 00-1239 EA 36" x 36" Low Leakage Volume Control Damper (Ruskin CD50).....	471.63	70.06
23 09 23 00-1240 EA 36" x 40" Low Leakage Volume Control Damper (Ruskin CD50).....	503.47	70.06
23 09 23 00-1241 EA 36" x 44" Low Leakage Volume Control Damper (Ruskin CD50).....	511.15	70.06
23 09 23 00-1242 EA 36" x 48" Low Leakage Volume Control Damper (Ruskin CD50).....	548.47	70.06
23 09 23 00-1243 EA 36" x 52" Low Leakage Volume Control Damper (Ruskin CD50).....	582.50	70.06
23 09 23 00-1244 EA 36" x 56" Low Leakage Volume Control Damper (Ruskin CD50).....	590.19	70.06
23 09 23 00-1245 EA 36" x 60" Low Leakage Volume Control Damper (Ruskin CD50).....	622.02	70.06
23 09 23 00-1246 EA 36" x 64" Low Leakage Volume Control Damper (Ruskin CD50).....	654.95	70.06
23 09 23 00-1247 EA 36" x 68" Low Leakage Volume Control Damper (Ruskin CD50).....	679.05	78.82
23 09 23 00-1248 EA 36" x 72" Low Leakage Volume Control Damper (Ruskin CD50).....	713.08	78.82
23 09 23 00-1249 EA 36" x 76" Low Leakage Volume Control Damper (Ruskin CD50).....	957.04	78.82
23 09 23 00-1250 EA 36" x 80" Low Leakage Volume Control Damper (Ruskin CD50).....	957.04	78.82
23 09 23 00-1251 EA 36" x 84" Low Leakage Volume Control Damper (Ruskin CD50).....	973.78	78.82
23 09 23 00-1252 EA 40" x 40" Low Leakage Volume Control Damper (Ruskin CD50).....	526.52	70.06
23 09 23 00-1253 EA 40" x 44" Low Leakage Volume Control Damper (Ruskin CD50).....	533.10	70.06
23 09 23 00-1254 EA 40" x 48" Low Leakage Volume Control Damper (Ruskin CD50).....	569.33	70.06
23 09 23 00-1255 EA 40" x 52" Low Leakage Volume Control Damper (Ruskin CD50).....	608.85	70.06
23 09 23 00-1256 EA 40" x 56" Low Leakage Volume Control Damper (Ruskin CD50).....	612.14	70.06
23 09 23 00-1257 EA 40" x 60" Low Leakage Volume Control Damper (Ruskin CD50).....	665.87	78.82
23 09 23 00-1258 EA 40" x 64" Low Leakage Volume Control Damper (Ruskin CD50).....	703.20	78.82
23 09 23 00-1259 EA 40" x 68" Low Leakage Volume Control Damper (Ruskin CD50).....	713.08	78.82
23 09 23 00-1260 EA 40" x 72" Low Leakage Volume Control Damper (Ruskin CD50).....	750.40	78.82
23 09 23 00-1261 EA 40" x 76" Low Leakage Volume Control Damper (Ruskin CD50).....	1,007.81	78.82



Heating, Ventilating, And Air-Conditioning (HVAC) 23
Instrumentation And Control For HVAC 23 09
Direct-Digital Control System For HVAC 23 09 23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-1262 EA 40" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	1,007.81	78.82
23 09 23 00-1263 EA 40" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	1,022.08	78.82
23 09 23 00-1264 EA 44" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	545.18	70.06
23 09 23 00-1265 EA 44" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	555.06	70.06
23 09 23 00-1266 EA 44" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	592.38	70.06
23 09 23 00-1267 EA 44" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	636.29	70.06
23 09 23 00-1268 EA 44" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	657.09	78.82
23 09 23 00-1269 EA 44" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	694.42	78.82
23 09 23 00-1270 EA 44" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	736.13	78.82
23 09 23 00-1271 EA 44" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	746.01	78.82
23 09 23 00-1272 EA 44" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	782.23	78.82
23 09 23 00-1273 EA 44" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	1,048.70	78.82
23 09 23 00-1274 EA 44" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	1,048.70	78.82
23 09 23 00-1275 EA 44" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	1,087.90	87.58
23 09 23 00-1276 EA 40" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	526.52	70.06
23 09 23 00-1277 EA 40" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	533.10	70.06
23 09 23 00-1278 EA 40" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	569.33	70.06
23 09 23 00-1279 EA 40" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	608.85	70.06
23 09 23 00-1280 EA 40" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	612.14	70.06
23 09 23 00-1281 EA 40" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	665.87	78.82
23 09 23 00-1282 EA 40" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	703.20	78.82
23 09 23 00-1283 EA 40" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	713.08	78.82
23 09 23 00-1284 EA 40" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	750.40	78.82
23 09 23 00-1285 EA 40" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	1,007.81	78.82
23 09 23 00-1286 EA 40" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	1,007.81	78.82
23 09 23 00-1287 EA 40" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	1,022.08	78.82
23 09 23 00-1288 EA 44" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	545.18	70.06
23 09 23 00-1289 EA 44" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	555.06	70.06
23 09 23 00-1290 EA 44" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	569.33	70.06
23 09 23 00-1291 EA 44" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	608.85	70.06
23 09 23 00-1292 EA 44" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	657.09	78.82
23 09 23 00-1293 EA 44" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	694.42	78.82
23 09 23 00-1294 EA 44" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	736.13	78.82
23 09 23 00-1295 EA 44" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	746.01	78.82
23 09 23 00-1296 EA 44" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	782.23	78.82
23 09 23 00-1297 EA 44" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	1,048.70	78.82
23 09 23 00-1298 EA 44" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	1,048.70	78.82
23 09 23 00-1299 EA 44" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	1,087.90	87.58
23 09 23 00-1300 EA 48" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	566.04	70.06
23 09 23 00-1301 EA 48" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	574.82	70.06
23 09 23 00-1302 EA 48" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	617.63	70.06
23 09 23 00-1303 EA 48" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	679.05	78.82
23 09 23 00-1304 EA 48" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	687.83	78.82
23 09 23 00-1305 EA 48" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	724.05	78.82
23 09 23 00-1306 EA 48" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	765.77	78.82
23 09 23 00-1307 EA 48" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	773.45	78.82
23 09 23 00-1308 EA 48" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	814.07	78.82
23 09 23 00-1309 EA 48" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	1,112.05	87.58
23 09 23 00-1310 EA 48" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	1,112.05	87.58
23 09 23 00-1311 EA 48" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	1,131.54	87.58
23 09 23 00-1312 EA 52" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	631.90	70.06
23 09 23 00-1313 EA 52" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	640.68	70.06
23 09 23 00-1314 EA 52" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	705.39	78.82
23 09 23 00-1315 EA 52" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	758.08	78.82
23 09 23 00-1316 EA 52" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	766.86	78.82
23 09 23 00-1317 EA 52" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	808.58	78.82
23 09 23 00-1318 EA 52" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	853.58	78.82
23 09 23 00-1319 EA 52" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	871.15	78.82
23 09 23 00-1320 EA 52" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	944.65	87.58
23 09 23 00-1321 EA 52" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	1,575.84	87.58
23 09 23 00-1322 EA 52" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	1,575.84	87.58
23 09 23 00-1323 EA 52" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	1,633.75	87.58
23 09 23 00-1324 EA 56" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	654.95	70.06
23 09 23 00-1325 EA 56" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	683.44	78.82
23 09 23 00-1326 EA 56" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	730.64	78.82
23 09 23 00-1327 EA 56" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	791.01	78.82
23 09 23 00-1328 EA 56" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	800.89	78.82
23 09 23 00-1329 EA 56" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	845.90	78.82
23 09 23 00-1330 EA 56" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	893.10	78.82
23 09 23 00-1331 EA 56" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	927.09	87.58
23 09 23 00-1332 EA 56" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	973.19	87.58
23 09 23 00-1333 EA 56" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	1,575.84	87.58
23 09 23 00-1334 EA 56" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	1,575.84	87.58
23 09 23 00-1335 EA 56" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	1,633.75	87.58
23 09 23 00-1336 EA 60" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	696.61	78.82
23 09 23 00-1337 EA 60" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	705.39	78.82
23 09 23 00-1338 EA 60" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	761.38	78.82
23 09 23 00-1339 EA 60" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	817.36	78.82
23 09 23 00-1340 EA 60" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	828.34	78.82
23 09 23 00-1341 EA 60" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	875.54	78.82
23 09 23 00-1342 EA 60" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	944.65	87.58

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 09 23 00-1343	EA		60" x 68" Low Leakage Volume Control Damper (Ruskin CD50).....	955.63	87.58
23 09 23 00-1344	EA		60" x 72" Low Leakage Volume Control Damper (Ruskin CD50).....	1,011.61	87.58
23 09 23 00-1345	EA		60" x 76" Low Leakage Volume Control Damper (Ruskin CD50).....	1,696.59	87.58
23 09 23 00-1346	EA		60" x 80" Low Leakage Volume Control Damper (Ruskin CD50).....	1,696.59	87.58
23 09 23 00-1347	EA		60" x 84" Low Leakage Volume Control Damper (Ruskin CD50).....	1,715.80	87.58
23 09 23 00-1348	EA		64" x 40" Low Leakage Volume Control Damper (Ruskin CD50).....	919.45	78.82
23 09 23 00-1349	EA		64" x 44" Low Leakage Volume Control Damper (Ruskin CD50).....	929.33	78.82
23 09 23 00-1350	EA		64" x 48" Low Leakage Volume Control Damper (Ruskin CD50).....	1,018.24	78.82
23 09 23 00-1351	EA		64" x 52" Low Leakage Volume Control Damper (Ruskin CD50).....	1,075.32	78.82
23 09 23 00-1352	EA		64" x 56" Low Leakage Volume Control Damper (Ruskin CD50).....	1,095.08	78.82
23 09 23 00-1353	EA		64" x 60" Low Leakage Volume Control Damper (Ruskin CD50).....	1,176.27	87.58
23 09 23 00-1354	EA		64" x 64" Low Leakage Volume Control Damper (Ruskin CD50).....	1,246.52	87.58
23 09 23 00-1355	EA		64" x 68" Low Leakage Volume Control Damper (Ruskin CD50).....	1,264.09	87.58
23 09 23 00-1356	EA		64" x 72" Low Leakage Volume Control Damper (Ruskin CD50).....	1,322.27	87.58
23 09 23 00-1357	EA		64" x 76" Low Leakage Volume Control Damper (Ruskin CD50).....	1,696.59	87.58
23 09 23 00-1358	EA		64" x 80" Low Leakage Volume Control Damper (Ruskin CD50).....	1,696.59	87.58
23 09 23 00-1359	EA		64" x 84" Low Leakage Volume Control Damper (Ruskin CD50).....	1,733.31	96.33
23 09 23 00-1360	EA		66" x 40" Low Leakage Volume Control Damper (Ruskin CD50).....	940.30	78.82
23 09 23 00-1361	EA		66" x 44" Low Leakage Volume Control Damper (Ruskin CD50).....	951.28	78.82
23 09 23 00-1362	EA		66" x 48" Low Leakage Volume Control Damper (Ruskin CD50).....	1,035.81	78.82
23 09 23 00-1363	EA		66" x 52" Low Leakage Volume Control Damper (Ruskin CD50).....	1,103.86	78.82
23 09 23 00-1364	EA		66" x 56" Low Leakage Volume Control Damper (Ruskin CD50).....	1,137.85	87.58
23 09 23 00-1365	EA		66" x 60" Low Leakage Volume Control Damper (Ruskin CD50).....	1,204.81	87.58
23 09 23 00-1366	EA		66" x 64" Low Leakage Volume Control Damper (Ruskin CD50).....	1,277.26	87.58
23 09 23 00-1367	EA		66" x 68" Low Leakage Volume Control Damper (Ruskin CD50).....	1,293.73	87.58
23 09 23 00-1368	EA		66" x 72" Low Leakage Volume Control Damper (Ruskin CD50).....	1,367.27	87.58
23 09 23 00-1369	EA		66" x 76" Low Leakage Volume Control Damper (Ruskin CD50).....	1,773.98	87.58
23 09 23 00-1370	EA		66" x 80" Low Leakage Volume Control Damper (Ruskin CD50).....	1,791.49	96.33
23 09 23 00-1371	EA		66" x 84" Low Leakage Volume Control Damper (Ruskin CD50).....	1,825.24	96.33
23 09 23 00-1372	EA		72" x 40" Low Leakage Volume Control Damper (Ruskin CD50).....	958.97	78.82
23 09 23 00-1373	EA		72" x 44" Low Leakage Volume Control Damper (Ruskin CD50).....	973.24	78.82
23 09 23 00-1374	EA		72" x 48" Low Leakage Volume Control Damper (Ruskin CD50).....	1,055.57	78.82
23 09 23 00-1375	EA		72" x 52" Low Leakage Volume Control Damper (Ruskin CD50).....	1,148.83	87.58
23 09 23 00-1376	EA		72" x 56" Low Leakage Volume Control Damper (Ruskin CD50).....	1,164.20	87.58
23 09 23 00-1377	EA		72" x 60" Low Leakage Volume Control Damper (Ruskin CD50).....	1,234.45	87.58
23 09 23 00-1378	EA		72" x 64" Low Leakage Volume Control Damper (Ruskin CD50).....	1,308.00	87.58
23 09 23 00-1379	EA		72" x 68" Low Leakage Volume Control Damper (Ruskin CD50).....	1,322.27	87.58
23 09 23 00-1380	EA		72" x 72" Low Leakage Volume Control Damper (Ruskin CD50).....	1,399.11	87.58
23 09 23 00-1381	EA		72" x 76" Low Leakage Volume Control Damper (Ruskin CD50).....	1,791.49	96.33
23 09 23 00-1382	EA		72" x 80" Low Leakage Volume Control Damper (Ruskin CD50).....	1,791.49	96.33
23 09 23 00-1383	EA		72" x 84" Low Leakage Volume Control Damper (Ruskin CD50).....	1,825.24	96.33
23 09 23 00-1384	EA		76" x 40" Low Leakage Volume Control Damper (Ruskin CD50).....	982.02	78.82
23 09 23 00-1385	EA		76" x 44" Low Leakage Volume Control Damper (Ruskin CD50).....	997.39	78.82
23 09 23 00-1386	EA		76" x 48" Low Leakage Volume Control Damper (Ruskin CD50).....	1,097.23	87.58
23 09 23 00-1387	EA		76" x 52" Low Leakage Volume Control Damper (Ruskin CD50).....	1,177.37	87.58
23 09 23 00-1388	EA		76" x 56" Low Leakage Volume Control Damper (Ruskin CD50).....	1,187.25	87.58
23 09 23 00-1389	EA		76" x 60" Low Leakage Volume Control Damper (Ruskin CD50).....	1,264.09	87.58
23 09 23 00-1390	EA		76" x 64" Low Leakage Volume Control Damper (Ruskin CD50).....	1,342.03	87.58
23 09 23 00-1391	EA		76" x 68" Low Leakage Volume Control Damper (Ruskin CD50).....	1,360.69	87.58
23 09 23 00-1392	EA		76" x 72" Low Leakage Volume Control Damper (Ruskin CD50).....	1,456.14	96.33
23 09 23 00-1393	EA		76" x 76" Low Leakage Volume Control Damper (Ruskin CD50).....	1,892.75	96.33
23 09 23 00-1394	EA		76" x 80" Low Leakage Volume Control Damper (Ruskin CD50).....	1,892.75	96.33
23 09 23 00-1395	EA		76" x 84" Low Leakage Volume Control Damper (Ruskin CD50).....	1,921.84	96.33
23 09 23 00-1396	EA		80" x 40" Low Leakage Volume Control Damper (Ruskin CD50).....	1,007.27	78.82
23 09 23 00-1397	EA		80" x 44" Low Leakage Volume Control Damper (Ruskin CD50).....	1,021.54	78.82
23 09 23 00-1398	EA		80" x 48" Low Leakage Volume Control Damper (Ruskin CD50).....	1,120.29	87.58
23 09 23 00-1399	EA		80" x 52" Low Leakage Volume Control Damper (Ruskin CD50).....	1,204.81	87.58
23 09 23 00-1400	EA		80" x 56" Low Leakage Volume Control Damper (Ruskin CD50).....	1,212.50	87.58
23 09 23 00-1401	EA		80" x 60" Low Leakage Volume Control Damper (Ruskin CD50).....	1,293.73	87.58
23 09 23 00-1402	EA		80" x 64" Low Leakage Volume Control Damper (Ruskin CD50).....	1,376.06	87.58
23 09 23 00-1403	EA		80" x 68" Low Leakage Volume Control Damper (Ruskin CD50).....	1,416.62	96.33
23 09 23 00-1404	EA		80" x 72" Low Leakage Volume Control Damper (Ruskin CD50).....	1,496.75	96.33
23 09 23 00-1405	EA		80" x 76" Low Leakage Volume Control Damper (Ruskin CD50).....	1,892.75	96.33
23 09 23 00-1406	EA		80" x 80" Low Leakage Volume Control Damper (Ruskin CD50).....	1,892.75	96.33
23 09 23 00-1407	EA		80" x 84" Low Leakage Volume Control Damper (Ruskin CD50).....	1,921.84	96.33
23 09 23 00-1408	EA		84" x 40" Low Leakage Volume Control Damper (Ruskin CD50).....	1,028.12	78.82
23 09 23 00-1409	EA		84" x 44" Low Leakage Volume Control Damper (Ruskin CD50).....	1,055.52	87.58
23 09 23 00-1410	EA		84" x 48" Low Leakage Volume Control Damper (Ruskin CD50).....	1,138.95	87.58
23 09 23 00-1411	EA		84" x 52" Low Leakage Volume Control Damper (Ruskin CD50).....	1,233.35	87.58
23 09 23 00-1412	EA		84" x 56" Low Leakage Volume Control Damper (Ruskin CD50).....	1,237.74	87.58
23 09 23 00-1413	EA		84" x 60" Low Leakage Volume Control Damper (Ruskin CD50).....	1,314.58	87.58
23 09 23 00-1414	EA		84" x 64" Low Leakage Volume Control Damper (Ruskin CD50).....	1,419.91	96.33
23 09 23 00-1415	EA		84" x 68" Low Leakage Volume Control Damper (Ruskin CD50).....	1,444.06	96.33
23 09 23 00-1416	EA		84" x 72" Low Leakage Volume Control Damper (Ruskin CD50).....	1,525.29	96.33
23 09 23 00-1417	EA		84" x 76" Low Leakage Volume Control Damper (Ruskin CD50).....	1,974.81	96.33
23 09 23 00-1418	EA		84" x 80" Low Leakage Volume Control Damper (Ruskin CD50).....	1,974.81	96.33
23 09 23 00-1419	EA		84" x 84" Low Leakage Volume Control Damper (Ruskin CD50).....	2,018.44	96.33

23 10 Facility Fuel Systems (23)



MINOR CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION UNIT COST UNIT COST

23 11 Facility Fuel Piping (23 10)

23 11 23 Facility Natural-Gas Piping (23 11)

23 11 23 00-0001 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping (23 11 23)

23 11 23 00-0002 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)

Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.

Table with 3 columns: Item ID, Description, and Unit Cost. Includes items like 23 11 23 00-0003 LF 3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe with unit cost 4.16.

23 11 23 00-0010 Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)

23 11 23 00-0011 Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)

Table with 3 columns: Item ID, Description, and Unit Cost. Includes items like 23 11 23 00-0012 EA 3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe with unit cost 19.64.

23 11 23 00-0022 Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)

Table with 3 columns: Item ID, Description, and Unit Cost. Includes items like 23 11 23 00-0023 EA 3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe with unit cost 18.96.

23 11 23 00-0030 Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)

Table with 3 columns: Item ID, Description, and Unit Cost. Includes items like 23 11 23 00-0031 EA 3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe with unit cost 26.01.

23 11 23 00-0033 Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)

Table with 3 columns: Item ID, Description, and Unit Cost. Includes items like 23 11 23 00-0034 EA 3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe with unit cost 27.03.

23 11 23 00-0041 Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)

Table with 3 columns: Item ID, Description, and Unit Cost. Includes items like 23 11 23 00-0042 EA 1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe with unit cost 37.22.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 11 23 00-0048		Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>	
23 11 23 00-0049	EA	3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	24.07
23 11 23 00-0050	EA	1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	24.84
23 11 23 00-0051	EA	3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	27.07
23 11 23 00-0052	EA	1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	37.01
23 11 23 00-0053	EA	1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	37.58
23 11 23 00-0054		Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>	
23 11 23 00-0055	EA	3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	26.72
23 11 23 00-0056	EA	1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	27.38
23 11 23 00-0057	EA	3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	32.45
23 11 23 00-0058	EA	1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	38.52
23 11 23 00-0059	EA	1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	38.52
23 11 23 00-0060		Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>	
23 11 23 00-0061	EA	3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	39.77
23 11 23 00-0062	EA	1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	40.78
23 11 23 00-0063	EA	3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	42.90
23 11 23 00-0064	EA	1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	71.28
23 11 23 00-0065	EA	1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	74.09
23 11 23 00-0066	EA	1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	109.26
23 11 23 00-0067	EA	2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	137.18
23 11 23 00-0068		Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>	
23 11 23 00-0069	EA	3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	42.34
23 11 23 00-0070	EA	1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	43.30
23 11 23 00-0071	EA	3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	48.19
23 11 23 00-0072	EA	1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	91.50
23 11 23 00-0073	EA	1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	94.48
23 11 23 00-0074	EA	1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	131.99
23 11 23 00-0075	EA	2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	167.97
23 11 23 00-0076		Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>	
23 11 23 00-0077	EA	1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	25.23
23 11 23 00-0078	EA	3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	27.29
23 11 23 00-0079	EA	1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	42.62
23 11 23 00-0080	EA	1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	66.85
23 11 23 00-0081	EA	1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	132.25
23 11 23 00-0082	EA	2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	212.06
23 11 23 00-0083		Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>	
		Note: Includes mounting plate.	
23 11 23 00-0084	EA	1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	21.72
23 11 23 00-0085	EA	3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	23.72
23 11 23 00-0086	EA	1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	21.74
23 11 23 00-0087	EA	1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	21.82
23 11 23 00-0088	EA	3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	22.70
23 11 23 00-0089	EA	1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	27.27
23 11 23 00-0090	EA	1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	33.15



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0091		Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
		Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
23 11 23 00-0092	EA	1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	62.02	12.95
23 11 23 00-0093	EA	3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	70.49	13.60
23 11 23 00-0094		Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0095	EA	3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	43.64	11.33
23 11 23 00-0096	EA	1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	50.64	13.47
23 11 23 00-0097	EA	3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	62.28	16.20
23 11 23 00-0098	EA	1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	77.37	21.63
23 11 23 00-0099		Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
		Note: Includes mounting hardware.		
23 11 23 00-0100	EA	1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	53.76	13.47
23 11 23 00-0101	EA	3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	60.64	16.20
23 11 23 00-0102	EA	1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	57.99	13.47
23 11 23 00-0103	EA	3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	63.38	16.20
23 11 23 00-0104	EA	2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	116.83	40.48
23 11 23 00-0105		Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0106	EA	1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	57.19	13.47
23 11 23 00-0107	EA	1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	57.19	13.47
23 11 23 00-0108	EA	1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	82.49	13.47
23 11 23 00-0109	EA	3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	87.88	16.20
23 11 23 00-0110	EA	3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	87.88	16.20
23 11 23 00-0111	EA	1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	98.68	21.63
23 11 23 00-0112	EA	1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	150.96	24.28
23 11 23 00-0113	EA	1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	78.01	13.47
23 11 23 00-0114	EA	3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	202.47	16.20
23 11 23 00-0115	EA	1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	498.75	24.28
23 11 23 00-0116		Gas Stops <small>(23 11 23)</small>		
23 11 23 00-0117		Brass Gas Stops <small>(23 11 23 00-0116)</small>		
		Note: Flat or square head		
23 11 23 00-0118	EA	3/8" Brass Gas Stop	29.77	7.03
23 11 23 00-0119	EA	1/2" Brass Gas Stop	29.02	7.03
23 11 23 00-0120	EA	3/4" Brass Gas Stop	38.35	7.74
23 11 23 00-0121	EA	1" Brass Gas Stop	51.98	8.79
23 11 23 00-0122	EA	1-1/4" Brass Gas Stop	68.38	9.35
23 11 23 00-0123	EA	1-1/2" Brass Gas Stop	84.54	10.83
23 11 23 00-0124	EA	2" Brass Gas Stop	113.64	12.80
23 11 23 00-0125		Iron Body Gas Stops <small>(23 11 23 00-0116)</small>		
23 11 23 00-0126	EA	1/2" Iron Body Gas Stop	36.55	7.03
23 11 23 00-0127	EA	3/4" Iron Body Gas Stop	45.76	7.74
23 11 23 00-0128	EA	1" Iron Body Gas Stop	56.45	8.79
23 11 23 00-0129	EA	1-1/4" Iron Body Gas Stop	72.72	9.35
23 11 23 00-0130	EA	1-1/2" Iron Body Gas Stop	89.99	10.83
23 11 23 00-0131	EA	2" Iron Body Gas Stop	114.88	12.80
23 11 23 00-0132	EA	2-1/2" Iron Body Gas Stop	210.62	17.29
23 11 23 00-0133	EA	3" Iron Body Gas Stop	277.42	20.08
23 11 23 00-0134		Bronze Body Solenoid Valves, 150 PSI Gas <small>(23 11 23)</small>		
23 11 23 00-0135	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	81.38	7.03
23 11 23 00-0136	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	94.49	7.03
23 11 23 00-0137	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	120.88	7.74
23 11 23 00-0138	EA	1" Solenoid Valve, Bronze, 150 PSI, Gas.....	178.44	8.79
23 11 23 00-0139	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	315.18	10.83
23 11 23 00-0140	EA	2" Solenoid Valve, Bronze, 150 PSI, Gas.....	527.30	12.80
23 11 23 00-0141	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	655.57	17.29
23 11 23 00-0142	EA	3" Solenoid Valve, Bronze, 150 PSI, Gas.....	977.93	20.08

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 12 Facility Fuel Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 12 Facility Fuel Pumps** (23 10)**23 12 13 Facility Fuel-Oil Pumps** (23 12)**23 12 13 00-0001 Cast Iron Internal Gear Rotary Pump** (23 12 13)

Note: Heavy duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.

23 12 13 00-0002 10 GPM 1" Discharge (23 12 13 00-0001)

23 12 13 00-0003	EA	10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge	1,759.61	187.93
23 12 13 00-0004	EA	10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge	1,805.54	227.47
23 12 13 00-0005	EA	10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge	1,947.00	270.23

23 12 13 00-0006 25 GPM 1-1/4" Discharge (23 12 13 00-0001)

23 12 13 00-0007	EA	25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge	1,782.73	187.93
23 12 13 00-0008	EA	25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge	1,860.33	227.47
23 12 13 00-0009	EA	25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge	1,937.85	270.23

23 12 13 00-0010 Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI (23 12 13)

23 12 13 00-0011	EA	1/4 HP Pump Fuel Oil/Diesel	1,275.04	105.30
23 12 13 00-0012	EA	1/3 HP Pump Fuel Oil/Diesel	1,511.58	117.95
23 12 13 00-0013	EA	1/2 HP Pump Fuel Oil/Diesel	1,645.76	132.20
23 12 13 00-0014	EA	3/4 HP Pump Fuel Oil/Diesel	1,785.12	149.06
23 12 13 00-0015	EA	1 HP Pump Fuel Oil/Diesel	2,604.18	165.90
23 12 13 00-0016	EA	1-1/2 HP Pump Fuel Oil/Diesel	3,221.80	185.66
23 12 13 00-0017	EA	2 HP Pump Fuel Oil/Diesel	3,565.53	208.02
23 12 13 00-0018	EA	3 HP Pump Fuel Oil/Diesel	4,392.16	232.64
23 12 13 00-0019	EA	5 HP Pump Fuel Oil/Diesel	5,205.97	260.84
23 12 13 00-0020	EA	7.5 HP Pump Fuel Oil/Diesel	5,827.60	292.59
23 12 13 00-0021	EA	10 HP Pump Fuel Oil/Diesel	6,534.12	327.98

23 12 23 Facility Natural-Gas Pumps (23 12)**23 12 23 00-0001 Natural Gas Booster Pump** (23 12 23)

23 12 23 00-0002	EA	Natural Gas Booster Pump, 3/4" Outlet Size	638.32	97.21
23 12 23 00-0003	EA	Natural Gas Booster Pump, 1" Outlet Size	755.62	108.55
23 12 23 00-0004	EA	Natural Gas Booster Pump, 1-1/4" Outlet Size	845.35	113.41
23 12 23 00-0005	EA	Natural Gas Booster Pump, 1-1/2" Outlet Size	956.93	118.27
23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size	1,079.87	121.51

23 13 Facility Fuel-Storage Tanks (23 10)**23 13 13 Facility Underground Fuel-Oil, Storage Tanks** (23 13)**23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks** (23 13 13)**23 13 13 13-0001 Coated Underground Double Wall Storage Tanks** (23 13 13 13)

Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each; all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.

23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	7,446.99	443.44
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	8,034.97	443.44
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	11,584.81	554.27
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	15,963.11	1,082.61
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	25,317.33	1,391.85
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	28,218.79	1,598.59
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	30,579.01	2,113.67
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	31,646.51	2,269.39
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	38,596.95	2,681.00
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	44,696.85	3,092.34
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	57,009.76	3,400.62
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	67,613.23	4,128.89
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	69,875.15	4,381.82
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	86,211.53	6,950.48
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	106,092.41	9,013.08
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	124,908.67	10,312.61
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	159,993.74	11,086.04
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	215,649.87	11,370.33

23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks (23 13 13)**23 13 13 23-0001 Underground Fiberglass Storage Tanks** (23 13 13 23)**23 13 13 23-0002 Single Wall Fiberglass Underground Storage Tanks** (23 13 13 23-0001)

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each; all others 6 each. Excludes excavation and backfill.

23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	2,472.68	443.44
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	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 23-0004	EA			1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	3,106.02	554.27
23 13 13 23-0005	EA			2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,038.12	685.79
23 13 13 23-0006	EA			2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,585.95	835.32
23 13 13 23-0007	EA			3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	5,131.22	979.70
23 13 13 23-0008	EA			4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	6,242.10	1,289.08
23 13 13 23-0009	EA			5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	7,440.72	1,959.39
23 13 13 23-0010	EA			6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	8,415.21	2,475.02
23 13 13 23-0011	EA			8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	10,094.46	2,784.41
23 13 13 23-0012	EA			10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	11,363.75	3,300.03
23 13 13 23-0013	EA			12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	14,638.80	3,918.79
23 13 13 23-0014	EA			15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	17,999.76	4,898.48
23 13 13 23-0015	EA			20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	22,721.43	6,548.50
23 13 13 23-0016	EA			25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	33,947.91	8,146.96
23 13 13 23-0017	EA			30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	41,603.50	9,796.97
23 13 13 23-0018	EA			40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	59,400.80	14,179.83
23 13 13 23-0019	EA			50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	84,570.86	18,047.05
23 13 13 23-0020				Double Wall Fiberglass Underground Storage Tanks <small>(23 13 13 23-0001)</small>		
				Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.		
23 13 13 23-0021	EA			550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	4,770.25	443.44
23 13 13 23-0022	EA			1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	6,287.15	554.27
23 13 13 23-0023	EA			2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	7,538.14	670.32
23 13 13 23-0024	EA			3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	9,801.64	979.76
23 13 13 23-0025	EA			4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	11,009.82	1,289.08
23 13 13 23-0026	EA			5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	12,681.97	1,959.39
23 13 13 23-0027	EA			6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	14,123.50	2,475.02
23 13 13 23-0028	EA			8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	17,359.57	2,784.41
23 13 13 23-0029	EA			10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	18,628.85	3,300.03
23 13 13 23-0030	EA			12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	22,552.58	3,918.79
23 13 13 23-0031	EA			15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	31,005.59	4,898.48
23 13 13 23-0032	EA			20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	38,419.24	6,548.50
23 13 13 23-0033	EA			30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	59,377.06	9,796.97
23 13 13 23-0034				Underground Storage Tank Pump Enclosures <small>(23 13 13 23)</small>		
23 13 13 23-0035	EA			Secondary Containment Collar.....	649.25	
23 13 13 23-0036	EA			Turbine Enclosure With Lid 4' Long x 42" Diameter.....	649.25	
23 13 13 23-0037	EA			Fitting Kit For Turbine Enclosure.....	129.85	
23 13 13 23-0038	EA			Grommet Kits For Plumbing And Electrical.....	259.70	
23 13 13 23-0039	EA			Turbine Electrical Coupling Kit.....	324.63	
23 13 23				Facility Aboveground Fuel-Oil, Storage Tanks <small>(23 13)</small>		
23 13 23 13				Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks <small>(23 13 23)</small>		
23 13 23 13-0001				Rectangle Double Wall Steel Fuel Day Tank <small>(23 13 23 13)</small>		
				Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.		
23 13 23 13-0002	EA			10 Gallon Double Wall Steel Day Tank; Tramont TRX.....	837.99	84.46
				Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0003	EA			15 Gallon Double Wall Steel Day Tank; Tramont TRX.....	900.50	88.68
				Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0004	EA			25 Gallon Double Wall Steel Day Tank; Tramont TRX.....	977.89	95.01
				Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0005	EA			50 Gallon Double Wall Steel Day Tank; Tramont TRX.....	1,125.86	101.35
				Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0006	EA			60 Gallon Double Wall Steel Day Tank; Tramont TRX.....	1,257.73	105.57
				Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0007	EA			75 Gallon Double Wall Steel Day Tank; Tramont TRX.....	1,482.04	126.69
				Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0008	EA			100 Gallon Double Wall Steel Day Tank; Tramont TRX.....	2,001.38	147.80
				Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0009	EA			150 Gallon Double Wall Steel Day Tank; Tramont TRX.....	2,538.37	168.91
				Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0010	EA			200 Gallon Double Wall Steel Day Tank; Tramont TRX.....	3,264.48	190.03
				Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0011	EA			275 Gallon Double Wall Steel Day Tank; Tramont TRX.....	3,638.83	211.14
				Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0012	EA			300 Gallon Double Wall Steel Day Tank; Tramont TRX.....	4,160.58	253.37
				Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0013	EA			350 Gallon Double Wall Steel Day Tank; Tramont TRX.....	4,657.12	295.60
				Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0014	EA			400 Gallon Double Wall Steel Day Tank; Tramont TRX.....	5,168.79	337.83
				Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0015	EA			450 Gallon Double Wall Steel Day Tank; Tramont TRX.....	5,741.08	358.94
				Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0016	EA			500 Gallon Double Wall Steel Day Tank; Tramont TRX.....	6,317.16	380.06
				Note: Includes rust-inhibitor coated interior and gray painted exterior.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0017 EA 550 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,972.67	401.17
23 13 23 13-0018 EA 600 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,544.97	422.28
23 13 23 13-0019 EA 700 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,391.78	506.74
23 13 23 13-0020 EA 800 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,050.96	548.97
23 13 23 13-0021 EA 900 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,924.25	633.43
23 13 23 13-0022 EA 1,000 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,801.32	717.88
23 13 23 13-0023 EA 10 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,022.07	84.46
23 13 23 13-0024 EA 15 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,085.84	88.68
23 13 23 13-0025 EA 25 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,163.23	95.01
23 13 23 13-0026 EA 50 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,309.94	101.35
23 13 23 13-0027 EA 60 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,441.80	105.57
23 13 23 13-0028 EA 75 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,667.38	126.69
23 13 23 13-0029 EA 100 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,204.37	147.80
23 13 23 13-0030 EA 150 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,741.36	168.91
23 13 23 13-0031 EA 200 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,467.47	190.03
23 13 23 13-0032 EA 275 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,841.82	211.14
23 13 23 13-0033 EA 300 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,363.57	253.37
23 13 23 13-0034 EA 350 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,860.11	295.60
23 13 23 13-0035 EA 400 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,371.78	337.83
23 13 23 13-0036 EA 450 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,944.07	358.94
23 13 23 13-0037 EA 500 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,520.15	380.06
23 13 23 13-0038 EA 550 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,176.92	401.17
23 13 23 13-0039 EA 600 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,749.22	422.28
23 13 23 13-0040 EA 700 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,594.77	506.74
23 13 23 13-0041 EA 800 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,253.95	548.97
23 13 23 13-0042 EA 900 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,127.24	633.43
23 13 23 13-0043 EA 1,000 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,004.31	717.88
23 13 23 13-0044 EA 10 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	1,719.29	84.46
23 13 23 13-0045 EA 15 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	1,775.51	88.68
23 13 23 13-0046 EA 25 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	1,825.15	95.01
23 13 23 13-0047 EA 50 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,022.30	101.35
23 13 23 13-0048 EA 60 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,096.16	105.57
23 13 23 13-0049 EA 75 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,312.91	126.69
23 13 23 13-0050 EA 100 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,785.60	147.80
23 13 23 13-0051 EA 150 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,521.80	168.91
23 13 23 13-0052 EA 200 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,960.45	190.03
23 13 23 13-0053 EA 275 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,189.63	211.14
23 13 23 13-0054 EA 300 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,860.15	253.37
23 13 23 13-0055 EA 350 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,258.34	295.60
23 13 23 13-0056 EA 400 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,805.32	337.83
23 13 23 13-0057 EA 450 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,351.14	358.94
23 13 23 13-0058 EA 500 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,073.47	380.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0059 EA 550 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,369.65	401.17
23 13 23 13-0060 EA 600 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,634.30	422.28
23 13 23 13-0061 EA 700 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,868.19	506.74
23 13 23 13-0062 EA 800 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,078.34	548.97
23 13 23 13-0063 EA 900 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,387.87	633.43
23 13 23 13-0064 EA 1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,718.83	717.88
23 13 23 13-0065 EA 10 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,551.43	84.46
23 13 23 13-0066 EA 15 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,607.64	88.68
23 13 23 13-0067 EA 25 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,657.29	95.01
23 13 23 13-0068 EA 50 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,854.44	101.35
23 13 23 13-0069 EA 60 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,928.30	105.57
23 13 23 13-0070 EA 75 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,145.04	126.69
23 13 23 13-0071 EA 100 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,617.74	147.80
23 13 23 13-0072 EA 150 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,353.94	168.91
23 13 23 13-0073 EA 200 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,848.06	190.03
23 13 23 13-0074 EA 275 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,731.78	211.14
23 13 23 13-0075 EA 300 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,402.30	253.37
23 13 23 13-0076 EA 350 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,801.75	295.60
23 13 23 13-0077 EA 400 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,347.47	337.83
23 13 23 13-0078 EA 450 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,894.55	358.94
23 13 23 13-0079 EA 500 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,615.62	380.06
23 13 23 13-0080 EA 550 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,911.80	401.17
23 13 23 13-0081 EA 600 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,176.45	422.28
23 13 23 13-0082 EA 700 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,410.34	506.74
23 13 23 13-0083 EA 800 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,621.75	548.97
23 13 23 13-0084 EA 900 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,930.02	633.43
23 13 23 13-0085 EA 1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,260.98	717.88
23 13 23 13-0086 EA 10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,016.67	84.46
23 13 23 13-0087 EA 15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,079.18	88.68
23 13 23 13-0088 EA 25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,130.09	95.01
23 13 23 13-0089 EA 50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,333.54	101.35
23 13 23 13-0090 EA 60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,442.71	105.57
23 13 23 13-0091 EA 75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,639.28	126.69
23 13 23 13-0092 EA 100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,130.89	147.80
23 13 23 13-0093 EA 150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,902.39	168.91
23 13 23 13-0094 EA 200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,357.43	190.03
23 13 23 13-0095 EA 275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,634.52	211.14

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0096 EA 300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,340.34	253.37
23 13 23 13-0097 EA 350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,699.45	295.60
23 13 23 13-0098 EA 400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,322.07	337.83
23 13 23 13-0099 EA 450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,983.89	358.94
23 13 23 13-0100 EA 500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,649.48	380.06
23 13 23 13-0101 EA 550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,982.22	401.17
23 13 23 13-0102 EA 600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,227.97	422.28
23 13 23 13-0103 EA 700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,518.59	506.74
23 13 23 13-0104 EA 800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,788.00	548.97
23 13 23 13-0105 EA 900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,156.79	633.43
23 13 23 13-0106 EA 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,544.49	717.88
23 13 23 13-0107 EA 10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,848.80	84.46
23 13 23 13-0108 EA 15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,911.32	88.68
23 13 23 13-0109 EA 25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,962.22	95.01
23 13 23 13-0110 EA 50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,165.68	101.35
23 13 23 13-0111 EA 60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,274.84	105.57
23 13 23 13-0112 EA 75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,468.90	126.69
23 13 23 13-0113 EA 100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,963.02	147.80
23 13 23 13-0114 EA 150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,734.52	168.91
23 13 23 13-0115 EA 200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,189.56	190.03
23 13 23 13-0116 EA 275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,176.66	211.14
23 13 23 13-0117 EA 300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,882.49	253.37
23 13 23 13-0118 EA 350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,367.68	295.60
23 13 23 13-0119 EA 400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,864.22	337.83
23 13 23 13-0120 EA 450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,526.04	358.94
23 13 23 13-0121 EA 500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,191.63	380.06
23 13 23 13-0122 EA 550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,524.37	401.17
23 13 23 13-0123 EA 600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,771.38	422.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0124 EA 700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,060.74	506.74
23 13 23 13-0125 EA 800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,330.15	548.97
23 13 23 13-0126 EA 900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,698.93	633.43
23 13 23 13-0127 EA 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,086.64	717.88
23 13 23 13-0128 EA 150% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	829.77	84.46
23 13 23 13-0129 EA 150% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	900.05	88.68
23 13 23 13-0130 EA 150% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	977.18	95.01
23 13 23 13-0131 EA 150% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,119.21	101.35
23 13 23 13-0132 EA 150% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	1,497.38	105.57
23 13 23 13-0133 EA 150% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	1,532.57	126.69
23 13 23 13-0134 EA 150% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	1,930.57	147.80
23 13 23 13-0135 EA 150% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	2,393.48	168.91
23 13 23 13-0136 EA 150% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	3,154.29	190.03
23 13 23 13-0137 EA 150% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	3,971.69	211.14
23 13 23 13-0138 EA 150% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	4,767.69	253.37
23 13 23 13-0139 EA 150% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	5,116.00	295.60
23 13 23 13-0140 EA 150% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	5,465.99	337.83
23 13 23 13-0141 EA 150% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	6,005.45	358.94
23 13 23 13-0142 EA 150% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	6,546.58	380.06
23 13 23 13-0143 EA 150% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	7,016.16	401.17
23 13 23 13-0144 EA 150% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	7,490.70	422.28
23 13 23 13-0145 EA 150% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	8,466.92	506.74
23 13 23 13-0146 EA 150% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	9,402.72	548.97
23 13 23 13-0147 EA 150% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	10,435.53	633.43
23 13 23 13-0148 EA 150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	11,431.73	717.88
23 13 23 13-0149 EA 200% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	875.09	88.68
23 13 23 13-0150 EA 200% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	952.40	95.01
23 13 23 13-0151 EA 200% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,033.22	101.35
23 13 23 13-0152 EA 200% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,179.04	105.57
23 13 23 13-0153 EA 200% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	1,605.98	126.69
23 13 23 13-0154 EA 200% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	1,641.17	147.80
23 13 23 13-0155 EA 200% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,059.33	168.91
23 13 23 13-0156 EA 200% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	2,546.00	190.03
23 13 23 13-0157 EA 200% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	3,347.12	211.14
23 13 23 13-0158 EA 200% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	4,207.97	232.26
23 13 23 13-0159 EA 200% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	5,044.29	274.48
23 13 23 13-0160 EA 200% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	5,408.05	316.71
23 13 23 13-0161 EA 200% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	5,773.56	358.94
23 13 23 13-0162 EA 200% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	6,341.04	380.06
23 13 23 13-0163 EA 200% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	6,910.28	401.17
23 13 23 13-0164 EA 200% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	7,403.99	422.28
23 13 23 13-0165 EA 200% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	7,938.13	464.51
23 13 23 13-0166 EA 200% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	8,960.77	548.97
23 13 23 13-0167 EA 200% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	10,015.03	633.43
23 13 23 13-0168 EA 200% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	11,097.39	717.88
23 13 23 13-0169 EA 200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	12,141.11	802.34
23 13 23 13-0170 EA 150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	961.24	84.46
23 13 23 13-0171 EA 150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,048.17	88.68
23 13 23 13-0172 EA 150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,135.29	95.01
23 13 23 13-0173 EA 150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,310.60	101.35
23 13 23 13-0174 EA 150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	1,760.33	105.57
23 13 23 13-0175 EA 150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	1,795.52	126.69
23 13 23 13-0176 EA 150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	2,253.44	147.80
23 13 23 13-0177 EA 150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	2,794.57	168.91
23 13 23 13-0178 EA 150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	3,691.39	190.03
23 13 23 13-0179 EA 150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	4,697.31	211.14
23 13 23 13-0180 EA 150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	5,641.43	253.37
23 13 23 13-0181 EA 150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	6,041.33	295.60
23 13 23 13-0182 EA 150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	6,444.58	337.83
23 13 23 13-0183 EA 150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	7,088.89	358.94
23 13 23 13-0184 EA 150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	7,734.87	380.06
23 13 23 13-0185 EA 150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	8,282.65	401.17
23 13 23 13-0186 EA 150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	8,843.75	422.28
23 13 23 13-0187 EA 150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	9,994.72	506.74
23 13 23 13-0188 EA 150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	11,106.93	548.97
23 13 23 13-0189 EA 150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	12,314.49	633.43
23 13 23 13-0190 EA 150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	13,485.43	717.88
23 13 23 13-0191 EA 200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,013.87	88.68
23 13 23 13-0192 EA 200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,108.75	95.01
23 13 23 13-0193 EA 200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,200.11	101.35
23 13 23 13-0194 EA 200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,381.07	105.57
23 13 23 13-0195 EA 200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	1,883.55	126.69
23 13 23 13-0196 EA 200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	1,918.74	147.80
23 13 23 13-0197 EA 200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	2,400.13	168.91

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0198 EA 200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	2,969.37	190.03
23 13 23 13-0199 EA 200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	3,914.07	211.14
23 13 23 13-0200 EA 200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	4,973.91	232.26
23 13 23 13-0201 EA 200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	5,966.57	274.48
23 13 23 13-0202 EA 200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	6,384.79	316.71
23 13 23 13-0203 EA 200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	6,806.52	358.94
23 13 23 13-0204 EA 200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	7,484.67	380.06
23 13 23 13-0205 EA 200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	8,164.58	401.17
23 13 23 13-0206 EA 200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	8,740.84	422.28
23 13 23 13-0207 EA 200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	9,366.35	464.51
23 13 23 13-0208 EA 200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	10,573.44	548.97
23 13 23 13-0209 EA 200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	11,813.92	633.43
23 13 23 13-0210 EA 200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	13,080.74	717.88
23 13 23 13-0211 EA 200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	14,308.91	802.34
23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)		
23 13 23 16-0001 Single Wall Aboveground Storage Tanks (23 13 23 16)		
Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.		
23 13 23 16-0002 EA 300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	2,383.15	459.03
23 13 23 16-0003 EA 550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	2,866.22	555.65
23 13 23 16-0004 EA 1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	3,852.73	750.90
23 13 23 16-0005 EA 1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	4,970.89	938.62
23 13 23 16-0006 EA 2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	6,036.32	1,267.00
23 13 23 16-0007 EA 3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	8,907.57	1,304.27
23 13 23 16-0008 EA 5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	12,859.13	1,612.55
23 13 23 16-0009 EA 8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	17,541.07	1,847.68
23 13 23 16-0010 EA 10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	20,846.79	2,015.63
23 13 23 16-0011 EA 12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	24,160.00	2,217.21
23 13 23 16-0012 EA 15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	26,748.20	2,463.55
23 13 23 16-0013 EA 20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	33,439.88	3,167.42
23 13 23 16-0014 EA 30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	45,477.44	3,695.34
23 13 23 16-0015 Double Wall Aboveground Storage Tanks (23 13 23 16)		
Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.		
23 13 23 16-0016 EA 300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	3,729.60	572.76
23 13 23 16-0017 EA 550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	4,483.21	693.11
23 13 23 16-0018 EA 1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	6,026.63	938.62
23 13 23 16-0019 EA 1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	7,792.81	1,173.28
23 13 23 16-0020 EA 2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	9,357.71	1,583.74
23 13 23 16-0021 EA 3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	14,143.80	1,630.28
23 13 23 16-0022 EA 5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	20,568.19	2,008.35
23 13 23 16-0023 EA 8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	28,279.38	2,309.61
23 13 23 16-0024 EA 10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	33,715.56	2,519.58
23 13 23 16-0025 EA 12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	39,144.41	2,771.48
23 13 23 16-0026 EA 15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	43,332.60	3,079.48
23 13 23 16-0027 EA 20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	54,121.40	3,959.28
23 13 23 16-0028 EA 30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	73,966.56	4,619.16
23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)		
23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks (23 13 23 26)		
Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overflow containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.		
23 13 23 26-0002 EA 500 Gallon Concrete Vaulted Storage Tank	16,359.79	959.01
For Low Profile Tanks, Add	6,008.66	
23 13 23 26-0003 EA 1,000 Gallon Concrete Vaulted Storage Tank	20,593.36	1,082.61
For Low Profile Tanks, Add	7,633.09	
23 13 23 26-0004 EA 2,000 Gallon Concrete Vaulted Storage Tank	36,481.97	1,289.08
For Low Profile Tanks, Add	13,873.30	
23 13 23 26-0005 EA 4,000 Gallon Concrete Vaulted Storage Tank	57,872.46	2,835.34
23 13 23 26-0006 EA 5,000 Gallon Concrete Vaulted Storage Tank	66,100.90	3,096.67
23 13 23 26-0007 EA 6,000 Gallon Concrete Vaulted Storage Tank	74,384.46	3,344.18
23 13 23 26-0008 EA 8,000 Gallon Concrete Vaulted Storage Tank	82,653.62	3,628.87
23 13 23 26-0009 EA 10,000 Gallon Concrete Vaulted Storage Tank	90,918.25	3,862.76



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 13 33 Facility Fuel-Oil, Storage Tank Accessories (23 13)

23 13 33 00-0001 EPA Requirements (23 13 33)

23 13 33 00-0002	EA		Fill Pipe Spill Containment Manhole (5 Gallon).....	395.61	
23 13 33 00-0003	EA		Over-Fill Prevention Valve.....	515.14	
23 13 33 00-0004	EA		Tank Manway With Cover, Fiberglass.....	1,443.05	
23 13 33 00-0005	EA		Tank Manway With Cover, Steel.....	1,347.76	
23 13 33 00-0006	EA		Vent Fill Alarm (Whistle Vent).....	72.31	
23 13 33 00-0007	EA		Reservoir Sensor, Liquid Level.....	180.05	
23 13 33 00-0008	EA		Manhole Spill Containment.....	682.26	164.61
23 13 33 00-0009	EA		Fill Adapter, 4".....	173.64	109.76
23 13 33 00-0010	EA		Fill Cap, 4".....	114.86	41.15
23 13 33 00-0011	EA		Vent Cap, 2".....	71.40	27.46
23 13 33 00-0012	EA		4" X 2" Extractor Fitting.....	196.11	41.15
23 13 33 00-0013	EA		Float Vent Valve.....	215.48	82.31
23 13 33 00-0014	EA		Vapor Hose Adapter.....	201.42	54.85
23 13 33 00-0015	EA		Dust Cap.....	92.41	29.96
23 13 33 00-0016	EA		1" Double Poppet Foot Valve.....	207.74	47.02
23 13 33 00-0017	EA		10' Wood Gage Stick.....	20.90	
23 13 33 00-0018	EA		1-1/4" Tank Filled Breather, NPT.....	66.49	
23 13 33 00-0019	EA		1-1/2" Tank Filled Breather, Bayonet.....	86.57	
23 13 33 00-0020	EA		2" Cast Iron Combination Fill Cap And Vent.....	47.45	
23 13 33 00-0021	EA		3" Cast Iron Combination Fill Cap And Vent.....	63.23	
23 13 33 00-0022	EA		4" Cast Iron Combination Fill Cap And Vent.....	97.84	
23 13 33 00-0023	EA		Pressure And Vacuum Control Vent.....	356.14	
23 13 33 00-0024	EA		1/4 HP Fuel/Diesel Pump Set.....	981.28	
23 13 33 00-0025	EA		1/3 HP Fuel/Diesel Pump Set.....	1,159.93	
23 13 33 00-0026	EA		1/2 HP Fuel/Diesel Pump Set.....	1,264.72	
23 13 33 00-0027	EA		3/4 HP Fuel/Diesel Pump Set.....	1,386.71	
23 13 33 00-0028	EA		1 HP Fuel/Diesel Pump Set.....	1,977.87	
23 13 33 00-0029	EA		1-1/2 HP Fuel/Diesel Pump Set.....	2,440.08	
23 13 33 00-0030	EA		2 HP Fuel/Diesel Pump Set.....	2,701.81	
23 13 33 00-0031	EA		3 HP Fuel/Diesel Pump Set.....	3,317.52	
23 13 33 00-0032	EA		5 HP Fuel/Diesel Pump Set.....	3,925.29	
23 13 33 00-0033	EA		7.5 HP Fuel/Diesel Pump Set.....	4,393.96	
23 13 33 00-0034	EA		10 HP Fuel/Diesel Pump Set.....	5,073.70	

23 13 33 00-0035 Tank Bulkhead Fittings (23 13 33)

23 13 33 00-0036 Tank Bulkhead Fittings (23 13 33 00-0035)

23 13 33 00-0037 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0038	EA		1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	25.35	
23 13 33 00-0039	EA		3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	28.30	
23 13 33 00-0040	EA		1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	31.09	
23 13 33 00-0041	EA		1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	37.11	
23 13 33 00-0042	EA		1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	38.52	
23 13 33 00-0043	EA		2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	49.55	
23 13 33 00-0044	EA		3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	76.20	
23 13 33 00-0045	EA		4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	129.90	

23 13 33 00-0046 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0047	EA		1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	28.98	
23 13 33 00-0048	EA		3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	31.92	
23 13 33 00-0049	EA		1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	34.86	
23 13 33 00-0050	EA		1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	42.97	
23 13 33 00-0051	EA		1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	45.91	
23 13 33 00-0052	EA		2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	56.24	
23 13 33 00-0053	EA		3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	85.13	
23 13 33 00-0054	EA		4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	142.58	

23 13 33 00-0055 Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0056	EA		1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	29.81	
23 13 33 00-0057	EA		3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	34.30	
23 13 33 00-0058	EA		1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	38.63	
23 13 33 00-0059	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	49.54	
23 13 33 00-0060	EA		2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	63.76	
23 13 33 00-0061	EA		3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	97.26	
23 13 33 00-0062	EA		4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	150.12	

23 13 33 00-0063 Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0064	EA		1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	34.42	
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23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 13 33 00-0065	EA	3/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	40.44		
23 13 33 00-0066	EA	1" Polypropylene Bulkhead Fitting, Thread x Thread.....	49.36		
23 13 33 00-0067	EA	1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	59.70		
23 13 33 00-0068	EA	1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	61.11		
23 13 33 00-0069	EA	2" Polypropylene Bulkhead Fitting, Thread x Thread.....	85.93		
23 13 33 00-0070	EA	3" Polypropylene Bulkhead Fitting, Thread x Thread.....	150.80		
23 13 33 00-0071	EA	4" Polypropylene Bulkhead Fitting, Thread x Thread.....	265.84		
23 13 33 00-0072		Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection <small>(23 13 33 00-0036)</small>			
23 13 33 00-0073	EA	3/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	30.95		
23 13 33 00-0074	EA	1" Polyethylene Bulkhead Fitting, Thread x Thread.....	39.28		
23 13 33 00-0075	EA	1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	40.69		
23 13 33 00-0076	EA	1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread.....	42.10		
23 13 33 00-0077	EA	2" Polyethylene Bulkhead Fitting, Thread x Thread.....	57.35		
23 13 33 00-0078	EA	3" Polyethylene Bulkhead Fitting, Thread x Thread.....	71.78		
23 13 33 00-0079		TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection <small>(23 13 33 00-0036)</small>			
23 13 33 00-0080	EA	1/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	121.28		
23 13 33 00-0081	EA	1/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	138.62		
23 13 33 00-0082	EA	3/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	169.98		
23 13 33 00-0083	EA	1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	195.73		
23 13 33 00-0084	EA	3/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	225.40		
23 13 33 00-0085	EA	1" TFE Teflon Bulkhead Fitting, Thread x Thread.....	283.37		
23 13 33 00-0086	EA	1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	367.66		
23 13 33 00-0087	EA	2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	406.07		
23 13 33 00-0088		Self-Aligning Bulkhead Fittings <small>(23 13 33 00-0035)</small>			
23 13 33 00-0089	EA	3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	125.10		
23 13 33 00-0090	EA	1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	125.57		
23 13 33 00-0091	EA	1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	182.23		
23 13 33 00-0092	EA	2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	186.25		
23 13 33 00-0093	EA	3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	249.98		
23 20 HVAC Piping And Pumps <small>(23)</small>					
Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.					
23 21 Hydronic Piping And Pumps <small>(23 20)</small>					
23 21 13 Hydronic Piping <small>(23 21)</small>					
Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.					
23 21 13 23 Aboveground Hydronic Piping <small>(23 21 13)</small>					
23 21 13 23-0001 Threaded Black Steel Pipe <small>(23 21 13 23)</small>					
23 21 13 23-0002 Threaded Black Steel Pipe Assemblies <small>(23 21 13 23-0001)</small>					
Note: ASTM A-53. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
23 21 13 23-0003	LF	1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	11.22	2.59	
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>			2.61		
<i>For Work In Restricted Working Space, Add</i>			2.68		
23 21 13 23-0004	LF	3/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	12.00	2.78	
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>			2.83		
<i>For Work In Restricted Working Space, Add</i>			2.80		
23 21 13 23-0005	LF	1" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	12.92	3.05	
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>			3.08		
<i>For Work In Restricted Working Space, Add</i>			2.95		
23 21 13 23-0006	LF	1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	15.05	3.18	
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>			3.72		
<i>For Work In Restricted Working Space, Add</i>			3.18		
23 21 13 23-0007	LF	1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	15.63	3.75	
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>			3.91		
<i>For Work In Restricted Working Space, Add</i>			3.23		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0008 LF 2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.12 4.58 3.64	4.54
23 21 13 23-0009 LF 2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.84 6.53 4.52	5.37
23 21 13 23-0010 LF 3" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.23 8.30 5.53	7.19
23 21 13 23-0011 LF 4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.21 11.33 5.89	8.16
23 21 13 23-0012 LF 5" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.08 17.52 7.02	10.43
23 21 13 23-0013 LF 6" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	70.01 20.96 7.96	12.33
23 21 13 23-0014 Threaded Black Steel Pipe And Fittings <small>(23 21 13 23-0001)</small> Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-0015 Threaded And Coupled, Black Steel Piping <small>(23 21 13 23-0014)</small> Note: ASTM A-53. Includes coupling.		
23 21 13 23-0016 LF 3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	3.90 0.61 0.98	1.62
23 21 13 23-0017 LF 1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	4.98 0.87 1.18	2.59
23 21 13 23-0018 LF 3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	5.54 1.03 1.25	2.78
23 21 13 23-0019 LF 1" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.36 1.28 1.36	3.05
23 21 13 23-0020 LF 1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	7.25 1.58 1.44	3.18
23 21 13 23-0021 LF 1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.56 1.88 1.69	3.75
23 21 13 23-0022 LF 2" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.65 2.41 2.05	4.54
23 21 13 23-0023 LF 2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.16 3.54 2.43	5.37
23 21 13 23-0024 LF 3" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.72 4.65 3.24	7.19
23 21 13 23-0025 LF 4" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.12 6.56 3.68	8.16
23 21 13 23-0026 LF 5" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.36 8.65 4.68	10.43
23 21 13 23-0027 LF 6" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.25 11.20 5.54	12.33
23 21 13 23-0028 LF 8" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.12 16.10 6.69	14.90
23 21 13 23-0029 LF 10" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	70.88 22.36 8.18	18.15
23 21 13 23-0030 LF 12" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	94.42 29.97 10.73	23.86
23 21 13 23-0031 Black Malleable Iron 90 Degree Elbows <small>(23 21 13 23-0014)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0032	EA	3/8", 150 LB, Black Malleable Iron 90 Degree Elbow.....	16.21	7.19
			<i>For 300 LB Rating, Add</i>	5.23	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
			<i>For Work In Restricted Working Space, Add</i>	4.32	
23 21	13 23-0033	EA	1/2", 150 LB, Black Malleable Iron 90 Degree Elbow.....	18.53	11.53
			<i>For 300 LB Rating, Add</i>	4.06	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.02	
			<i>For Work In Restricted Working Space, Add</i>	5.18	
23 21	13 23-0034	EA	3/4", 150 LB, Black Malleable Iron 90 Degree Elbow.....	20.85	12.89
			<i>For 300 LB Rating, Add</i>	4.81	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.02	
			<i>For Work In Restricted Working Space, Add</i>	5.80	
23 21	13 23-0035	EA	1", 150 LB, Black Malleable Iron 90 Degree Elbow.....	24.24	14.38
			<i>For 300 LB Rating, Add</i>	7.66	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	6.48	
23 21	13 23-0036	EA	1-1/4", 150 LB, Black Malleable Iron 90 Degree Elbow	28.80	16.32
			<i>For 300 LB Rating, Add</i>	11.93	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.07	
			<i>For Work In Restricted Working Space, Add</i>	7.33	
23 21	13 23-0037	EA	1-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow	33.30	18.39
			<i>For 300 LB Rating, Add</i>	15.43	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
			<i>For Work In Restricted Working Space, Add</i>	8.27	
23 21	13 23-0038	EA	2", 150 LB, Black Malleable Iron 90 Degree Elbow.....	44.91	23.38
			<i>For 300 LB Rating, Add</i>	25.86	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.16	
			<i>For Work In Restricted Working Space, Add</i>	10.50	
23 21	13 23-0039	EA	2-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow	73.87	34.59
			<i>For 300 LB Rating, Add</i>	56.05	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.35	
			<i>For Work In Restricted Working Space, Add</i>	15.54	
23 21	13 23-0040	EA	3", 150 LB, Black Malleable Iron 90 Degree Elbow.....	100.45	45.47
			<i>For 300 LB Rating, Add</i>	81.56	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.52	
			<i>For Work In Restricted Working Space, Add</i>	20.45	
23 21	13 23-0041	EA	4", 150 LB, Black Malleable Iron 90 Degree Elbow.....	140.89	47.72
			<i>For 300 LB Rating, Add</i>	170.69	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	1.11	
			<i>For Work In Restricted Working Space, Add</i>	21.47	
23 21	13 23-0042	EA	5", 150 LB, Black Malleable Iron 90 Degree Elbow.....	277.25	49.80
			<i>For 300 LB Rating, Add</i>	490.67	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	3.24	
			<i>For Work In Restricted Working Space, Add</i>	22.40	
23 21	13 23-0043	EA	6", 150 LB, Black Malleable Iron 90 Degree Elbow.....	312.06	52.07
			<i>For 300 LB Rating, Add</i>	566.28	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	3.74	
			<i>For Work In Restricted Working Space, Add</i>	23.42	
23 21	13 23-0044		Black Malleable Iron Reducing 90 Degree Elbows <small>(23 21 13 23-0014)</small>		
23 21	13 23-0045	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	18.23	10.56
			<i>For 300 LB Rating, Add</i>	6.71	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	4.75	
23 21	13 23-0046	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	20.78	12.17
			<i>For 300 LB Rating, Add</i>	7.05	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	5.49	
23 21	13 23-0047	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	20.32	11.27
			<i>For 300 LB Rating, Add</i>	9.32	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.06	
			<i>For Work In Restricted Working Space, Add</i>	5.06	
23 21	13 23-0048	EA	1" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	23.64	13.66
			<i>For 300 LB Rating, Add</i>	8.86	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.05	
			<i>For Work In Restricted Working Space, Add</i>	6.14	
23 21	13 23-0049	EA	1" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	22.86	12.95
			<i>For 300 LB Rating, Add</i>	9.40	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.05	
			<i>For Work In Restricted Working Space, Add</i>	5.83	
23 21	13 23-0050	EA	1" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	24.74	11.98
			<i>For 300 LB Rating, Add</i>	17.28	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.11	
			<i>For Work In Restricted Working Space, Add</i>	5.40	
23 21	13 23-0051	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	28.35	15.35
			<i>For 300 LB Rating, Add</i>	14.20	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
			<i>For Work In Restricted Working Space, Add</i>	6.90	
23 21	13 23-0052	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	27.84	14.57
			<i>For 300 LB Rating, Add</i>	15.62	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.10	
			<i>For Work In Restricted Working Space, Add</i>	6.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0053 EA 1-1/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	27.82	13.93
<i>For 300 LB Rating, Add</i>	17.98	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.11	
<i>For Work In Restricted Working Space, Add</i>	6.26	
23 21 13 23-0054 EA 1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	33.54	17.35
<i>For 300 LB Rating, Add</i>	19.66	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
<i>For Work In Restricted Working Space, Add</i>	7.80	
23 21 13 23-0055 EA 1-1/2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	32.11	16.39
<i>For 300 LB Rating, Add</i>	19.57	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
<i>For Work In Restricted Working Space, Add</i>	7.37	
23 21 13 23-0056 EA 1-1/2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	32.08	15.61
<i>For 300 LB Rating, Add</i>	22.12	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.14	
<i>For Work In Restricted Working Space, Add</i>	7.04	
23 21 13 23-0057 EA 2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	42.20	20.85
<i>For 300 LB Rating, Add</i>	28.08	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.17	
<i>For Work In Restricted Working Space, Add</i>	9.38	
23 21 13 23-0058 EA 2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	42.13	19.82
<i>For 300 LB Rating, Add</i>	31.57	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.20	
<i>For Work In Restricted Working Space, Add</i>	8.92	
23 21 13 23-0059 EA 2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	40.71	18.85
<i>For 300 LB Rating, Add</i>	31.48	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.20	
<i>For Work In Restricted Working Space, Add</i>	8.49	
23 21 13 23-0060 EA 2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	40.33	18.13
<i>For 300 LB Rating, Add</i>	33.21	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.21	
<i>For Work In Restricted Working Space, Add</i>	8.15	
23 21 13 23-0061 EA 2-1/2" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	73.39	28.95
<i>For 300 LB Rating, Add</i>	74.56	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.48	
<i>For Work In Restricted Working Space, Add</i>	13.02	
23 21 13 23-0062 EA 2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	71.43	26.49
<i>For 300 LB Rating, Add</i>	78.56	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.51	
<i>For Work In Restricted Working Space, Add</i>	11.91	
23 21 13 23-0063 EA 3" x 2-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	116.10	40.02
<i>For 300 LB Rating, Add</i>	138.26	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.90	
<i>For Work In Restricted Working Space, Add</i>	18.00	
23 21 13 23-0064 EA 3" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	100.06	34.39
<i>For 300 LB Rating, Add</i>	119.42	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.78	
<i>For Work In Restricted Working Space, Add</i>	15.48	
23 21 13 23-0065 EA 4" x 3", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	163.96	45.39
<i>For 300 LB Rating, Add</i>	234.22	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.53	
<i>For Work In Restricted Working Space, Add</i>	20.42	
23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows <small>(23 21 13 23-0014)</small>		
23 21 13 23-0067 EA 3/8", 150 LB, Black Malleable Iron 45 Degree Elbow.....	17.14	7.19
<i>For 300 LB Rating, Add</i>	7.46	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
<i>For Work In Restricted Working Space, Add</i>	4.32	
23 21 13 23-0068 EA 1/2", 150 LB, Black Malleable Iron 45 Degree Elbow.....	19.36	11.53
<i>For 300 LB Rating, Add</i>	6.05	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
<i>For Work In Restricted Working Space, Add</i>	5.18	
23 21 13 23-0069 EA 3/4", 150 LB, Black Malleable Iron 45 Degree Elbow.....	21.91	12.89
<i>For 300 LB Rating, Add</i>	7.35	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
<i>For Work In Restricted Working Space, Add</i>	5.80	
23 21 13 23-0070 EA 1", 150 LB, Black Malleable Iron 45 Degree Elbow	24.84	14.38
<i>For 300 LB Rating, Add</i>	9.10	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.05	
<i>For Work In Restricted Working Space, Add</i>	6.48	
23 21 13 23-0071 EA 1-1/4", 150 LB, Black Malleable Iron 45 Degree Elbow	30.19	16.32
<i>For 300 LB Rating, Add</i>	15.27	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
<i>For Work In Restricted Working Space, Add</i>	7.33	
23 21 13 23-0072 EA 1-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	34.67	18.39
<i>For 300 LB Rating, Add</i>	18.72	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.11	
<i>For Work In Restricted Working Space, Add</i>	8.27	
23 21 13 23-0073 EA 2", 150 LB, Black Malleable Iron 45 Degree Elbow	45.76	23.38
<i>For 300 LB Rating, Add</i>	27.90	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.17	
<i>For Work In Restricted Working Space, Add</i>	10.50	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0074	EA	2-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.91 77.75 0.50 15.54	34.59
23 21	13 23-0075	EA	3", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	108.57 101.05 0.65 20.45	45.47
23 21	13 23-0076	EA	4", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	150.78 194.42 1.27 21.47	47.72
23 21	13 23-0077	EA	5", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	387.58 755.46 5.01 22.40	49.80
23 21	13 23-0078	EA	6", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	398.21 773.04 5.12 23.42	52.07
23 21 13 23-0079 Black Malleable Iron Tees (23 21 13 23-0014)					
23 21	13 23-0080	EA	3/8", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.64 7.44 0.04 5.40	9.01
23 21	13 23-0081	EA	1/2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.28 5.35 0.03 6.48	14.38
23 21	13 23-0082	EA	3/4", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.33 7.30 0.04 7.47	16.65
23 21	13 23-0083	EA	1", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.59 11.73 0.07 8.83	19.62
23 21	13 23-0084	EA	1-1/4", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.73 18.23 0.11 10.50	23.38
23 21	13 23-0085	EA	1-1/2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.14 22.57 0.13 12.53	27.85
23 21	13 23-0086	EA	2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.06 37.31 0.23 15.54	34.59
23 21	13 23-0087	EA	2-1/2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	98.88 77.79 0.49 20.45	45.47
23 21	13 23-0088	EA	3", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	126.20 113.43 0.72 24.29	54.01
23 21	13 23-0089	EA	4", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	199.73 267.84 1.75 27.12	60.29
23 21	13 23-0090	EA	5", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	438.69 801.68 5.30 32.20	71.58
23 21	13 23-0091	EA	6", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	478.27 860.80 5.69 36.80	81.83
23 21 13 23-0092 Black Malleable Iron Reducing Tees (23 21 13 23-0014)					
23 21	13 23-0093	EA	1/2", 150 LB, Black Malleable Iron Reducing Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.46 8.18 0.05 6.48	14.38
23 21	13 23-0094	EA	3/4", 150 LB, Black Malleable Iron Reducing Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.66 10.49 0.06 7.47	16.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0095 EA 1", 150 LB, Black Malleable Iron Reducing Tee.....	34.17	19.62
<i>For 300 LB Rating, Add</i>	13.12	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.08	
<i>For Work In Restricted Working Space, Add</i>	8.83	
23 21 13 23-0096 EA 1-1/4", 150 LB, Black Malleable Iron Reducing Tee.....	44.31	23.38
<i>For 300 LB Rating, Add</i>	24.42	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.15	
<i>For Work In Restricted Working Space, Add</i>	10.50	
23 21 13 23-0097 EA 1-1/2", 150 LB, Black Malleable Iron Reducing Tee.....	52.08	27.85
<i>For 300 LB Rating, Add</i>	27.23	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.16	
<i>For Work In Restricted Working Space, Add</i>	12.53	
23 21 13 23-0098 EA 2", 150 LB, Black Malleable Iron Reducing Tee.....	66.76	34.59
<i>For 300 LB Rating, Add</i>	38.99	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.24	
<i>For Work In Restricted Working Space, Add</i>	15.54	
23 21 13 23-0099 EA 2-1/2", 150 LB, Black Malleable Iron Reducing Tee.....	114.76	45.47
<i>For 300 LB Rating, Add</i>	115.91	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.75	
<i>For Work In Restricted Working Space, Add</i>	20.45	
23 21 13 23-0100 EA 3", 150 LB, Black Malleable Iron Reducing Tee.....	134.32	54.01
<i>For 300 LB Rating, Add</i>	132.92	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.85	
<i>For Work In Restricted Working Space, Add</i>	24.29	
23 21 13 23-0101 EA 4", 150 LB, Black Malleable Iron Reducing Tee.....	219.80	60.29
<i>For 300 LB Rating, Add</i>	316.01	
<i>For Standard Weight Cast Iron Fittings, Add</i>	2.07	
<i>For Work In Restricted Working Space, Add</i>	27.12	
23 21 13 23-0102 EA 5", 150 LB, Black Malleable Iron Reducing Tee.....	407.51	71.58
<i>For 300 LB Rating, Add</i>	726.85	
<i>For Standard Weight Cast Iron Fittings, Add</i>	4.80	
<i>For Work In Restricted Working Space, Add</i>	32.20	
23 21 13 23-0103 EA 6", 150 LB, Black Malleable Iron Reducing Tee.....	463.13	81.83
<i>For 300 LB Rating, Add</i>	824.46	
<i>For Standard Weight Cast Iron Fittings, Add</i>	5.45	
<i>For Work In Restricted Working Space, Add</i>	36.80	
23 21 13 23-0104 Black Malleable Iron Couplings (23 21 13 23-0014)		
23 21 13 23-0105 EA 3/8", 150 LB, Black Malleable Iron Coupling.....	16.66	7.19
<i>For 300 LB Rating, Add</i>	6.31	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
<i>For Work In Restricted Working Space, Add</i>	4.32	
23 21 13 23-0106 EA 1/2", 150 LB, Black Malleable Iron Coupling.....	19.02	11.53
<i>For 300 LB Rating, Add</i>	5.24	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
<i>For Work In Restricted Working Space, Add</i>	5.18	
23 21 13 23-0107 EA 3/4", 150 LB, Black Malleable Iron Coupling.....	21.37	12.89
<i>For 300 LB Rating, Add</i>	6.06	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
<i>For Work In Restricted Working Space, Add</i>	5.80	
23 21 13 23-0108 EA 1", 150 LB, Black Malleable Iron Coupling.....	24.65	14.38
<i>For 300 LB Rating, Add</i>	8.64	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.05	
<i>For Work In Restricted Working Space, Add</i>	6.48	
23 21 13 23-0109 EA 1-1/4", 150 LB, Black Malleable Iron Coupling.....	28.41	16.32
<i>For 300 LB Rating, Add</i>	10.99	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.06	
<i>For Work In Restricted Working Space, Add</i>	7.33	
23 21 13 23-0110 EA 1-1/2", 150 LB, Black Malleable Iron Coupling.....	32.92	18.39
<i>For 300 LB Rating, Add</i>	14.52	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
<i>For Work In Restricted Working Space, Add</i>	8.27	
23 21 13 23-0111 EA 2", 150 LB, Black Malleable Iron Coupling.....	42.95	23.38
<i>For 300 LB Rating, Add</i>	21.16	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.13	
<i>For Work In Restricted Working Space, Add</i>	10.50	
23 21 13 23-0112 EA 2-1/2", 150 LB, Black Malleable Iron Coupling.....	73.72	34.59
<i>For 300 LB Rating, Add</i>	55.69	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.35	
<i>For Work In Restricted Working Space, Add</i>	15.54	
23 21 13 23-0113 EA 3", 150 LB, Black Malleable Iron Coupling.....	97.80	45.47
<i>For 300 LB Rating, Add</i>	75.20	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.47	
<i>For Work In Restricted Working Space, Add</i>	20.45	
23 21 13 23-0114 EA 4", 150 LB, Black Malleable Iron Coupling.....	131.23	47.72
<i>For 300 LB Rating, Add</i>	147.50	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.95	
<i>For Work In Restricted Working Space, Add</i>	21.47	
23 21 13 23-0115 EA 5", 150 LB, Black Malleable Iron Coupling.....	242.69	49.80
<i>For 300 LB Rating, Add</i>	407.73	
<i>For Standard Weight Cast Iron Fittings, Add</i>	2.69	
<i>For Work In Restricted Working Space, Add</i>	22.40	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0116	EA	6", 150 LB, Black Malleable Iron Coupling.....	269.48	52.07
			<i>For 300 LB Rating, Add</i>	464.09	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	3.06	
			<i>For Work In Restricted Working Space, Add</i>	23.42	
23 21	13 23-0117		Black Malleable Iron Reducing Couplings (23 21 13 23-0014)		
23 21	13 23-0118	EA	1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	19.44	11.53
			<i>For 300 LB Rating, Add</i>	6.24	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
			<i>For Work In Restricted Working Space, Add</i>	5.18	
23 21	13 23-0119	EA	3/4", 150 LB, Black Malleable Iron Reducing Coupling.....	21.63	12.89
			<i>For 300 LB Rating, Add</i>	6.68	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	5.80	
23 21	13 23-0120	EA	1", 150 LB, Black Malleable Iron Reducing Coupling.....	25.16	14.38
			<i>For 300 LB Rating, Add</i>	9.86	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.06	
			<i>For Work In Restricted Working Space, Add</i>	6.48	
23 21	13 23-0121	EA	1-1/4", 150 LB, Black Malleable Iron Reducing Coupling.....	29.04	16.32
			<i>For 300 LB Rating, Add</i>	12.51	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.07	
			<i>For Work In Restricted Working Space, Add</i>	7.33	
23 21	13 23-0122	EA	1-1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	33.37	18.39
			<i>For 300 LB Rating, Add</i>	15.60	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
			<i>For Work In Restricted Working Space, Add</i>	8.27	
23 21	13 23-0123	EA	2", 150 LB, Black Malleable Iron Reducing Coupling.....	43.43	23.38
			<i>For 300 LB Rating, Add</i>	22.31	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.13	
			<i>For Work In Restricted Working Space, Add</i>	10.50	
23 21	13 23-0124	EA	2-1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	76.68	34.59
			<i>For 300 LB Rating, Add</i>	62.80	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.40	
			<i>For Work In Restricted Working Space, Add</i>	15.54	
23 21	13 23-0125	EA	3", 150 LB, Black Malleable Iron Reducing Coupling.....	98.41	45.47
			<i>For 300 LB Rating, Add</i>	76.67	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.48	
			<i>For Work In Restricted Working Space, Add</i>	20.45	
23 21	13 23-0126	EA	4", 150 LB, Black Malleable Iron Reducing Coupling.....	132.16	47.72
			<i>For 300 LB Rating, Add</i>	149.73	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.97	
			<i>For Work In Restricted Working Space, Add</i>	21.47	
23 21	13 23-0127	EA	5", 150 LB, Black Malleable Iron Reducing Coupling.....	210.88	49.80
			<i>For 300 LB Rating, Add</i>	331.38	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	2.18	
			<i>For Work In Restricted Working Space, Add</i>	22.40	
23 21	13 23-0128	EA	6", 150 LB, Black Malleable Iron Reducing Coupling.....	253.01	52.07
			<i>For 300 LB Rating, Add</i>	424.56	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	2.80	
			<i>For Work In Restricted Working Space, Add</i>	23.42	
23 21	13 23-0129		Black Malleable Iron Caps (23 21 13 23-0014)		
23 21	13 23-0130	EA	1/2", 150 LB, Black Malleable Iron Cap.....	9.38	5.37
			<i>For 300 LB Rating, Add</i>	3.56	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.02	
			<i>For Work In Restricted Working Space, Add</i>	2.43	
23 21	13 23-0131	EA	3/4", 150 LB, Black Malleable Iron Cap.....	10.36	5.77
			<i>For 300 LB Rating, Add</i>	4.67	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
			<i>For Work In Restricted Working Space, Add</i>	2.59	
23 21	13 23-0132	EA	1", 150 LB, Black Malleable Iron Cap.....	12.05	6.68
			<i>For 300 LB Rating, Add</i>	5.61	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
			<i>For Work In Restricted Working Space, Add</i>	2.99	
23 21	13 23-0133	EA	1-1/4", 150 LB, Black Malleable Iron Cap.....	13.54	7.19
			<i>For 300 LB Rating, Add</i>	7.25	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
23 21	13 23-0134	EA	1-1/2", 150 LB, Black Malleable Iron Cap.....	14.58	7.19
			<i>For 300 LB Rating, Add</i>	9.74	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.06	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
23 21	13 23-0135	EA	2", 150 LB, Black Malleable Iron Cap.....	19.46	9.26
			<i>For 300 LB Rating, Add</i>	14.11	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
			<i>For Work In Restricted Working Space, Add</i>	4.18	
23 21	13 23-0136	EA	2-1/2", 150 LB, Black Malleable Iron Cap.....	29.95	11.53
			<i>For 300 LB Rating, Add</i>	31.47	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.20	
			<i>For Work In Restricted Working Space, Add</i>	5.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0137 EA 3", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.60 46.16 0.30 6.27	13.93
23 21 13 23-0138 EA 4", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.61 78.46 0.51 7.36	16.38
23 21 13 23-0139 EA 5", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	107.12 185.32 1.22 9.20	20.48
23 21 13 23-0140 EA 6", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	176.68 338.53 2.24 10.96	24.35
 23 21 13 23-0141 Black Malleable Iron Unions <small>(23 21 13 23-0014)</small>		
23 21 13 23-0142 EA 3/8", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	20.51 4.32	7.19
23 21 13 23-0143 EA 1/2", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	27.13 6.48	14.38
23 21 13 23-0144 EA 3/4", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	31.28 7.47	16.65
23 21 13 23-0145 EA 1", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	37.75 8.83	19.62
23 21 13 23-0146 EA 1-1/4", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	46.92 10.50	23.38
23 21 13 23-0147 EA 1-1/2", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	56.63 12.53	27.85
23 21 13 23-0148 EA 2", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	69.08 15.54	34.59
23 21 13 23-0149 EA 2-1/2", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	127.94 22.95	50.97
23 21 13 23-0150 EA 3", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	173.48 33.46	74.35
23 21 13 23-0151 EA 3/8", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	22.48 4.32	7.19
23 21 13 23-0152 EA 1/2", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	30.88 6.48	14.38
23 21 13 23-0153 EA 3/4", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	34.04 7.47	16.65
23 21 13 23-0154 EA 1", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	40.65 8.83	19.62
23 21 13 23-0155 EA 1-1/4", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	53.80 10.50	23.38
23 21 13 23-0156 EA 1-1/2", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	63.44 12.54	27.85
23 21 13 23-0157 EA 2", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	79.58 15.54	34.59
23 21 13 23-0158 EA 2-1/2", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	163.55 22.95	50.97
23 21 13 23-0159 EA 3", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	202.52 30.19	67.03
23 21 13 23-0160 EA 4", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	286.22 31.69	70.42
23 21 13 23-0161 EA 3/8", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	27.52 4.32	7.19
23 21 13 23-0162 EA 1/2", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	32.22 6.48	14.38
23 21 13 23-0163 EA 3/4", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	36.68 7.47	16.65
23 21 13 23-0164 EA 1", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	44.80 8.83	19.62
23 21 13 23-0165 EA 1-1/4", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	60.06 10.50	23.38
23 21 13 23-0166 EA 1-1/2", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	68.03 12.54	27.85
23 21 13 23-0167 EA 2", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	84.31 15.54	34.59
23 21 13 23-0168 EA 2-1/2", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	181.28 22.95	50.97
23 21 13 23-0169 EA 3", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	236.21 30.19	67.03
23 21 13 23-0170 EA 4", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	535.90 31.69	70.42
 23 21 13 23-0171 Black Steel Nipples <small>(23 21 13 23-0014)</small>		
23 21 13 23-0172 EA 3/8" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.89 0.32 2.78	6.15

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0173	EA	1/2" x Close, Schedule 40 Black Steel Nipple.....	9.79	6.15
			<i>For Schedule 80 Nipples, Add</i>	0.27	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 21	13 23-0174	EA	3/4" x Close, Schedule 40 Black Steel Nipple.....	9.87	6.15
			<i>For Schedule 80 Nipples, Add</i>	0.31	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 21	13 23-0175	EA	1" x Close, Schedule 40 Black Steel Nipple.....	10.86	6.68
			<i>For Schedule 80 Nipples, Add</i>	0.45	
			<i>For Work In Restricted Working Space, Add</i>	2.99	
23 21	13 23-0176	EA	1-1/4" x Close, Schedule 40 Black Steel Nipple.....	11.93	7.19
			<i>For Schedule 80 Nipples, Add</i>	0.57	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
23 21	13 23-0177	EA	1-1/2" x Close, Schedule 40 Black Steel Nipple.....	12.21	7.19
			<i>For Schedule 80 Nipples, Add</i>	0.71	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
23 21	13 23-0178	EA	2" x Close, Schedule 40 Black Steel Nipple.....	15.87	9.26
			<i>For Schedule 80 Nipples, Add</i>	0.97	
			<i>For Work In Restricted Working Space, Add</i>	4.18	
23 21	13 23-0179	EA	2-1/2" x Close, Schedule 40 Black Steel Nipple.....	23.34	11.53
			<i>For Schedule 80 Nipples, Add</i>	3.04	
			<i>For Work In Restricted Working Space, Add</i>	5.18	
23 21	13 23-0180	EA	3" x Close, Schedule 40 Black Steel Nipple.....	28.10	13.93
			<i>For Schedule 80 Nipples, Add</i>	3.61	
			<i>For Work In Restricted Working Space, Add</i>	6.27	
23 21	13 23-0181	EA	4" x Close, Schedule 40 Black Steel Nipple.....	35.39	16.38
			<i>For Schedule 80 Nipples, Add</i>	5.43	
			<i>For Work In Restricted Working Space, Add</i>	7.36	
23 21	13 23-0182	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple.....	9.98	6.15
			<i>For Schedule 80 Nipples, Add</i>	0.37	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 21	13 23-0183	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple.....	9.79	6.15
			<i>For Schedule 80 Nipples, Add</i>	0.27	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 21	13 23-0184	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple.....	9.92	6.15
			<i>For Schedule 80 Nipples, Add</i>	0.34	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 21	13 23-0185	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple.....	9.98	6.15
			<i>For Schedule 80 Nipples, Add</i>	0.37	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 21	13 23-0186	EA	1/2" x 2" Long, Schedule 40 Black Steel Nipple.....	9.79	6.15
			<i>For Schedule 80 Nipples, Add</i>	0.27	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 21	13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple.....	9.92	6.15
			<i>For Schedule 80 Nipples, Add</i>	0.34	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 21	13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple.....	10.95	6.68
			<i>For Schedule 80 Nipples, Add</i>	0.50	
			<i>For Work In Restricted Working Space, Add</i>	2.99	
23 21	13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple.....	12.09	7.19
			<i>For Schedule 80 Nipples, Add</i>	0.65	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
23 21	13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple.....	12.33	7.19
			<i>For Schedule 80 Nipples, Add</i>	0.77	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
23 21	13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	10.19	6.15
			<i>For Schedule 80 Nipples, Add</i>	0.47	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 21	13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	9.89	6.15
			<i>For Schedule 80 Nipples, Add</i>	0.32	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 21	13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	10.00	6.15
			<i>For Schedule 80 Nipples, Add</i>	0.38	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 21	13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	11.01	6.68
			<i>For Schedule 80 Nipples, Add</i>	0.53	
			<i>For Work In Restricted Working Space, Add</i>	2.99	
23 21	13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	12.17	7.19
			<i>For Schedule 80 Nipples, Add</i>	0.69	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
23 21	13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	12.51	7.19
			<i>For Schedule 80 Nipples, Add</i>	0.86	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
23 21	13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	16.15	9.26
			<i>For Schedule 80 Nipples, Add</i>	1.11	
			<i>For Work In Restricted Working Space, Add</i>	4.18	
23 21	13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple.....	10.19	6.15
			<i>For Schedule 80 Nipples, Add</i>	0.47	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 21	13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	9.89	6.15
			<i>For Schedule 80 Nipples, Add</i>	0.32	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 21	13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple.....	10.00	6.15
			<i>For Schedule 80 Nipples, Add</i>	0.38	
			<i>For Work In Restricted Working Space, Add</i>	2.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0201 EA 1" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.01 0.53 2.99	6.68
23 21 13 23-0202 EA 1-1/4" x 3" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.17 0.69 3.24	7.19
23 21 13 23-0203 EA 1-1/2" x 3" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.51 0.86 3.24	7.19
23 21 13 23-0204 EA 2" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.15 1.11 4.18	9.26
23 21 13 23-0205 EA 2-1/2" x 3" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.50 3.12 5.18	11.53
23 21 13 23-0206 EA 3" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.73 3.92 6.27	13.93
23 21 13 23-0207 EA 3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.35 0.55 2.78	6.15
23 21 13 23-0208 EA 1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.02 0.39 2.78	6.15
23 21 13 23-0209 EA 3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.19 0.47 2.78	6.15
23 21 13 23-0210 EA 1" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.26 0.65 2.99	6.68
23 21 13 23-0211 EA 1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.42 0.82 3.24	7.19
23 21 13 23-0212 EA 1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.71 0.96 3.24	7.19
23 21 13 23-0213 EA 2" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.62 1.35 4.18	9.26
23 21 13 23-0214 EA 2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.59 3.66 5.18	11.53
23 21 13 23-0215 EA 3" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.17 4.64 6.27	13.93
23 21 13 23-0216 EA 3/8" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.35 0.55 2.78	6.15
23 21 13 23-0217 EA 1/2" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.02 0.39 2.78	6.15
23 21 13 23-0218 EA 3/4" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.19 0.47 2.78	6.15
23 21 13 23-0219 EA 1" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.26 0.65 2.99	6.68
23 21 13 23-0220 EA 1-1/4" x 4" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.42 0.82 3.24	7.19
23 21 13 23-0221 EA 1-1/2" x 4" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.71 0.96 3.24	7.19
23 21 13 23-0222 EA 2" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.62 1.35 4.18	9.26
23 21 13 23-0223 EA 2-1/2" x 4" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.59 3.66 5.18	11.53
23 21 13 23-0224 EA 3" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.17 4.64 6.27	13.93
23 21 13 23-0225 EA 4" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.09 6.28 7.36	16.38
23 21 13 23-0226 EA 3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.84 0.80 2.78	6.15
23 21 13 23-0227 EA 1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.15 0.45 2.78	6.15
23 21 13 23-0228 EA 3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.43 0.59 2.78	6.15

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0229	EA	1" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	11.50	6.68
			<i>For Schedule 80 Nipples, Add</i>	0.77	
			<i>For Work In Restricted Working Space, Add</i>	2.99	
23 21	13 23-0230	EA	1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	12.74	7.19
			<i>For Schedule 80 Nipples, Add</i>	0.98	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
23 21	13 23-0231	EA	1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	13.14	7.19
			<i>For Schedule 80 Nipples, Add</i>	1.18	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
23 21	13 23-0232	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	17.03	9.26
			<i>For Schedule 80 Nipples, Add</i>	1.55	
			<i>For Work In Restricted Working Space, Add</i>	4.18	
23 21	13 23-0233	EA	2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	25.31	11.53
			<i>For Schedule 80 Nipples, Add</i>	4.02	
			<i>For Work In Restricted Working Space, Add</i>	5.18	
23 21	13 23-0234	EA	3" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	31.12	13.93
			<i>For Schedule 80 Nipples, Add</i>	5.12	
			<i>For Work In Restricted Working Space, Add</i>	6.27	
23 21	13 23-0235	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	38.88	16.38
			<i>For Schedule 80 Nipples, Add</i>	7.18	
			<i>For Work In Restricted Working Space, Add</i>	7.36	
23 21	13 23-0236	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple.....	10.84	6.15
			<i>For Schedule 80 Nipples, Add</i>	0.80	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 21	13 23-0237	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	10.15	6.15
			<i>For Schedule 80 Nipples, Add</i>	0.45	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 21	13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple.....	10.43	6.15
			<i>For Schedule 80 Nipples, Add</i>	0.59	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 21	13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple.....	11.50	6.68
			<i>For Schedule 80 Nipples, Add</i>	0.77	
			<i>For Work In Restricted Working Space, Add</i>	2.99	
23 21	13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple.....	12.74	7.19
			<i>For Schedule 80 Nipples, Add</i>	0.98	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
23 21	13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	13.14	7.19
			<i>For Schedule 80 Nipples, Add</i>	1.18	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
23 21	13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple.....	17.03	9.26
			<i>For Schedule 80 Nipples, Add</i>	1.55	
			<i>For Work In Restricted Working Space, Add</i>	4.18	
23 21	13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	25.31	11.53
			<i>For Schedule 80 Nipples, Add</i>	4.02	
			<i>For Work In Restricted Working Space, Add</i>	5.18	
23 21	13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple.....	31.12	13.93
			<i>For Schedule 80 Nipples, Add</i>	5.12	
			<i>For Work In Restricted Working Space, Add</i>	6.27	
23 21	13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple.....	38.88	16.38
			<i>For Schedule 80 Nipples, Add</i>	7.18	
			<i>For Work In Restricted Working Space, Add</i>	7.36	
23 21	13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple.....	11.02	6.15
			<i>For Schedule 80 Nipples, Add</i>	0.89	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 21	13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	10.26	6.15
			<i>For Schedule 80 Nipples, Add</i>	0.51	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 21	13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple.....	10.59	6.15
			<i>For Schedule 80 Nipples, Add</i>	0.67	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 21	13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple.....	11.78	6.68
			<i>For Schedule 80 Nipples, Add</i>	0.91	
			<i>For Work In Restricted Working Space, Add</i>	2.99	
23 21	13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple.....	13.10	7.19
			<i>For Schedule 80 Nipples, Add</i>	1.16	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
23 21	13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	13.49	7.19
			<i>For Schedule 80 Nipples, Add</i>	1.35	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
23 21	13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple.....	17.56	9.26
			<i>For Schedule 80 Nipples, Add</i>	1.82	
			<i>For Work In Restricted Working Space, Add</i>	4.18	
23 21	13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	25.65	11.53
			<i>For Schedule 80 Nipples, Add</i>	4.19	
			<i>For Work In Restricted Working Space, Add</i>	5.18	
23 21	13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple.....	32.01	13.93
			<i>For Schedule 80 Nipples, Add</i>	5.56	
			<i>For Work In Restricted Working Space, Add</i>	6.27	
23 21	13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple.....	39.87	16.38
			<i>For Schedule 80 Nipples, Add</i>	7.67	
			<i>For Work In Restricted Working Space, Add</i>	7.36	
23 21	13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple.....	12.36	6.15
			<i>For Schedule 80 Nipples, Add</i>	1.56	
			<i>For Work In Restricted Working Space, Add</i>	2.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0257 EA 1/2" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.07 0.91 2.78	6.15
23 21 13 23-0258 EA 3/4" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.47 1.11 2.78	6.15
23 21 13 23-0259 EA 1" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.93 1.49 2.99	6.68
23 21 13 23-0260 EA 1-1/4" x 8" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.52 1.87 3.24	7.19
23 21 13 23-0261 EA 1-1/2" x 8" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.07 2.14 3.24	7.19
23 21 13 23-0262 EA 2" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.02 3.05 4.18	9.26
23 21 13 23-0263 EA 2-1/2" x 8" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.94 5.34 5.18	11.53
23 21 13 23-0264 EA 3" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.89 7.50 6.27	13.93
23 21 13 23-0265 EA 4" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.23 8.85 7.36	16.38
23 21 13 23-0266 EA 3/8" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.74 1.75 2.78	6.15
23 21 13 23-0267 EA 1/2" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.43 1.09 2.78	6.15
23 21 13 23-0268 EA 3/4" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.84 1.30 2.78	6.15
23 21 13 23-0269 EA 1" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.43 1.74 2.99	6.68
23 21 13 23-0270 EA 1-1/4" x 10" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.27 2.24 3.24	7.19
23 21 13 23-0271 EA 1-1/2" x 10" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.80 2.51 3.24	7.19
23 21 13 23-0272 EA 2" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.09 3.58 4.18	9.26
23 21 13 23-0273 EA 2-1/2" x 10" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.25 5.99 5.18	11.53
23 21 13 23-0274 EA 3" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.74 8.43 6.27	13.93
23 21 13 23-0275 EA 4" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.69 10.08 7.36	16.38
23 21 13 23-0276 EA 3/8" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.22 1.99 2.78	6.15
23 21 13 23-0277 EA 1/2" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.84 1.30 2.78	6.15
23 21 13 23-0278 EA 3/4" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.12 1.44 2.78	6.15
23 21 13 23-0279 EA 1" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.95 2.00 2.99	6.68
23 21 13 23-0280 EA 1-1/4" x 12" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.87 2.54 3.24	7.19
23 21 13 23-0281 EA 1-1/2" x 12" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.56 2.89 3.24	7.19
23 21 13 23-0282 EA 2" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.17 4.12 4.18	9.26
23 21 13 23-0283 EA 2-1/2" x 12" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.60 6.67 5.18	11.53
23 21 13 23-0284 EA 3" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.60 9.36 6.27	13.93

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0285	EA	4" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.17 11.82 7.36	16.38
23 21	13 23-0286		Black Malleable Iron Bushing (2321 13 23-0014)		
23 21	13 23-0287	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	17.77 4.75	10.56
23 21	13 23-0288	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	19.81 5.10	11.33
23 21	13 23-0289	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	21.10 5.49	12.17
23 21	13 23-0290	EA	1" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	21.99 5.44	12.11
23 21	13 23-0291	EA	1" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	22.31 5.83	12.95
23 21	13 23-0292	EA	1" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	23.34 6.14	13.66
23 21	13 23-0293	EA	1-1/4" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	23.89 5.87	13.02
23 21	13 23-0294	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	24.98 6.26	13.93
23 21	13 23-0295	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	25.60 6.56	14.57
23 21	13 23-0296	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	26.73 6.90	15.35
23 21	13 23-0297	EA	1-1/2" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	26.83 6.34	14.12
23 21	13 23-0298	EA	1-1/2" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	27.12 6.73	14.96
23 21	13 23-0299	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	28.15 7.04	15.61
23 21	13 23-0300	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	28.70 7.37	16.39
23 21	13 23-0301	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	30.72 7.80	17.35
23 21	13 23-0302	EA	2" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	32.91 7.46	16.58
23 21	13 23-0303	EA	2" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	33.24 7.84	17.43
23 21	13 23-0304	EA	2" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	33.18 8.15	18.13
23 21	13 23-0305	EA	2" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	33.93 8.49	18.85
23 21	13 23-0306	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	35.35 8.92	19.82
23 21	13 23-0307	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	37.55 9.38	20.85
23 21	13 23-0308	EA	2-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	45.81 10.67	23.71
23 21	13 23-0309	EA	2-1/2" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	46.94 11.01	24.48
23 21	13 23-0310	EA	2-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	48.36 11.44	25.39
23 21	13 23-0311	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	49.22 11.91	26.49
23 21	13 23-0312	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	52.87 13.02	28.95
23 21	13 23-0313	EA	3" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	57.91 13.13	29.14
23 21	13 23-0314	EA	3" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	59.03 13.46	29.92
23 21	13 23-0315	EA	3" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	60.46 13.89	30.89
23 21	13 23-0316	EA	3" x 1-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	61.75 14.36	31.93
23 21	13 23-0317	EA	3" x 2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	64.56 15.48	34.39
23 21	13 23-0318	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	73.15 18.00	40.02
23 21	13 23-0319	EA	4" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	72.08 13.48	29.93
23 21	13 23-0320	EA	4" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	73.15 13.80	30.67
23 21	13 23-0321	EA	4" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	74.49 14.21	31.59
23 21	13 23-0322	EA	4" x 1-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	75.97 14.65	32.57
23 21	13 23-0323	EA	4" x 2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	78.05 15.71	34.90
23 21	13 23-0324	EA	4" x 2-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	86.00 18.09	40.23
23 21	13 23-0325	EA	4" x 3", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	93.76 20.42	45.39



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0326 Black Malleable Iron Square Head Plugs (23 21 13 23-0014)				
23 21 13 23-0327	EA 3/8", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	.....	7.24 1.73	3.82
23 21 13 23-0328	EA 1/2", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	.....	8.49 2.07	4.60
23 21 13 23-0329	EA 3/4", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	.....	9.31 2.32	5.18
23 21 13 23-0330	EA 1", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	.....	10.62 2.59	5.77
23 21 13 23-0331	EA 1-1/4", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	.....	12.27 2.93	6.54
23 21 13 23-0332	EA 1-1/2", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	.....	14.51 3.31	7.32
23 21 13 23-0333	EA 2", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	.....	18.97 4.20	9.33
23 21 13 23-0334	EA 2-1/2", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	.....	29.76 6.22	13.80
23 21 13 23-0335	EA 3", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	.....	39.68 8.18	18.20
23 21 13 23-0336	EA 4", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	.....	54.64 8.59	19.07
23 21 13 23-0337	EA 5", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	.....	85.76 8.96	19.94
23 21 13 23-0338	EA 6", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	.....	100.46 9.37	20.80
23 21 13 23-0339 125 LB Black Cast Iron Screwed Flanges (23 21 13 23-0014)				
23 21 13 23-0340	EA 3/4", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	.....	67.18 11.66	25.91
23 21 13 23-0341	EA 1", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	.....	61.93 13.17	29.27
23 21 13 23-0342	EA 1-1/4", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	.....	67.00 13.63	30.31
23 21 13 23-0343	EA 1-1/2", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	.....	69.36 14.83	32.97
23 21 13 23-0344	EA 2", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	.....	71.48 15.48	34.39
23 21 13 23-0345	EA 2-1/2", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	.....	82.94 17.90	39.83
23 21 13 23-0346	EA 3", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	.....	105.71 22.73	50.51
23 21 13 23-0347	EA 4", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	.....	138.52 29.44	65.44
23 21 13 23-0348	EA 5", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	.....	173.87 35.05	77.96
23 21 13 23-0349	EA 6", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	.....	198.71 40.25	89.49
23 21 13 23-0350 150 LB, Black Malleable Iron Flanges (23 21 13 23-0014)				
23 21 13 23-0351	EA 1/2", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	.....	41.76 10.65	23.64
23 21 13 23-0352	EA 3/4", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	.....	45.60 11.66	25.91
23 21 13 23-0353	EA 1", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	.....	52.69 13.17	29.27
23 21 13 23-0354	EA 1-1/4", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	.....	54.82 13.63	30.31
23 21 13 23-0355	EA 1-1/2", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	.....	59.67 14.83	32.97
23 21 13 23-0356	EA 2", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	.....	64.95 15.48	34.39
23 21 13 23-0357	EA 2-1/2", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	.....	80.61 17.90	39.83
23 21 13 23-0358	EA 3", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	.....	102.18 22.72	50.51
23 21 13 23-0359	EA 4", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	.....	143.04 29.43	65.44
23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe (23 21 13 23-0014)				
Note: For use when connecting pipe to an existing in-place system.				
23 21 13 23-0361	EA 1/2", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	.....	21.10 6.33	
23 21 13 23-0362	EA 3/4", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	.....	23.21 6.96	
23 21 13 23-0363	EA 1", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	.....	25.33 7.60	
23 21 13 23-0364	EA 1-1/4", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	.....	27.43 8.23	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0365 EA 1-1/2", Cut And Thread Existing In Place Black Steel Pipe.....	28.84	
For Work In Restricted Working Space, Add	8.65	
23 21 13 23-0366 EA 2", Cut And Thread Existing In Place Black Steel Pipe.....	30.25	
For Work In Restricted Working Space, Add	9.08	
23 21 13 23-0367 EA 2-1/2", Cut And Thread Existing In Place Black Steel Pipe.....	31.66	
For Work In Restricted Working Space, Add	9.50	
23 21 13 23-0368 EA 3", Cut And Thread Existing In Place Black Steel Pipe.....	33.07	
For Work In Restricted Working Space, Add	9.92	
23 21 13 23-0369 EA 4", Cut And Thread Existing In Place Black Steel Pipe.....	34.47	
For Work In Restricted Working Space, Add	10.34	
23 21 13 23-0370 EA 6", Cut And Thread Existing In Place Black Steel Pipe.....	37.28	
For Work In Restricted Working Space, Add	11.18	
23 21 13 23-0371 EA 8", Cut And Thread Existing In Place Black Steel Pipe.....	40.09	
For Work In Restricted Working Space, Add	12.03	
23 21 13 23-0372 EA 10", Cut And Thread Existing In Place Black Steel Pipe.....	43.61	
For Work In Restricted Working Space, Add	13.08	
23 21 13 23-0373 EA 12", Cut And Thread Existing In Place Black Steel Pipe.....	46.43	
For Work In Restricted Working Space, Add	13.93	
23 21 13 23-0374 Welded Black Steel Pipe (23 21 13 23)		
23 21 13 23-0375 Welded Plain End Black Steel Pipe Assemblies (23 21 13 23-0374)		
Note: ASTM A-53. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
23 21 13 23-0376 LF 3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	15.29	4.94
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	3.61	
23 21 13 23-0377 LF 1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	16.97	5.27
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	4.04	
23 21 13 23-0378 LF 1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	20.30	5.60
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	4.64	
23 21 13 23-0379 LF 1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	21.59	5.60
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	4.85	
23 21 13 23-0380 LF 2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	24.67	5.60
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	5.62	
23 21 13 23-0381 LF 2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	28.58	5.60
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	6.52	
23 21 13 23-0382 LF 3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	32.82	5.47
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	6.87	
23 21 13 23-0383 LF 4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	42.48	6.73
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	8.35	
23 21 13 23-0384 LF 6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	56.47	10.03
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	9.62	
23 21 13 23-0385 LF 8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	85.51	12.47
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	14.27	
23 21 13 23-0386 LF 10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	113.18	15.58
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	17.01	
23 21 13 23-0387 LF 12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	141.02	18.82
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	19.66	
23 21 13 23-0388 LF 14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	157.38	24.55
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	21.93	
23 21 13 23-0389 LF 16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	183.18	31.15
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	24.51	
23 21 13 23-0390 LF 18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	229.18	38.57
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	26.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0391 LF 20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	293.28	47.67
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	30.78	
23 21 13 23-0392 LF 24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	361.74	54.02
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	33.84	
23 21 13 23-0393 Welded Black Steel Pipe And Fittings <small>(23 21 13 23-0374)</small>		
Note: ASTM A-53. Excludes hangers or fittings.		
23 21 13 23-0394 Welded Plain End Black Steel Piping <small>(23 21 13 23-0393)</small>		
Note: ASTM A-53		
23 21 13 23-0395 LF 3/4" Schedule 40, Welded Plain End Black Steel Pipe	6.40	2.64
<i>For Schedule 80 Pipe, Add</i>	1.02	
<i>For Schedule A-106 Pipe, Add</i>	0.14	
<i>For Work In Restricted Working Space, Add</i>	1.58	
23 21 13 23-0396 LF 1" Schedule 40, Welded Plain End Black Steel Pipe	8.09	3.29
<i>For Schedule 80 Pipe, Add</i>	1.29	
<i>For Schedule A-106 Pipe, Add</i>	0.18	
<i>For Work In Restricted Working Space, Add</i>	1.98	
23 21 13 23-0397 LF 1-1/4" Schedule 40, Welded Plain End Black Steel Pipe	10.12	3.95
<i>For Schedule 80 Pipe, Add</i>	1.63	
<i>For Schedule A-106 Pipe, Add</i>	0.27	
<i>For Work In Restricted Working Space, Add</i>	2.37	
23 21 13 23-0398 LF 1-1/2" Schedule 40, Welded Plain End Black Steel Pipe	12.15	4.62
<i>For Schedule 80 Pipe, Add</i>	1.97	
<i>For Schedule A-106 Pipe, Add</i>	0.35	
<i>For Work In Restricted Working Space, Add</i>	2.77	
23 21 13 23-0399 LF 2" Schedule 40, Welded Plain End Black Steel Pipe	14.45	5.47
<i>For Schedule 80 Pipe, Add</i>	2.34	
<i>For Schedule A-106 Pipe, Add</i>	0.42	
<i>For Work In Restricted Working Space, Add</i>	3.28	
23 21 13 23-0400 LF 2-1/2" Schedule 40, Welded Plain End Black Steel Pipe	16.47	6.20
<i>For Schedule 80 Pipe, Add</i>	3.60	
<i>For Schedule A-106 Pipe, Add</i>	0.49	
<i>For Work In Restricted Working Space, Add</i>	3.71	
23 21 13 23-0401 LF 3" Schedule 40, Welded Plain End Black Steel Pipe	19.80	6.66
<i>For Schedule 80 Pipe, Add</i>	4.60	
<i>For Schedule A-106 Pipe, Add</i>	0.78	
<i>For Work In Restricted Working Space, Add</i>	3.99	
23 21 13 23-0402 LF 4" Schedule 40, Welded Plain End Black Steel Pipe	26.89	8.24
<i>For Schedule 80 Pipe, Add</i>	6.53	
<i>For Schedule A-106 Pipe, Add</i>	1.25	
<i>For Work In Restricted Working Space, Add</i>	4.94	
23 21 13 23-0403 LF 6" Schedule 40, Welded Plain End Black Steel Pipe	37.87	13.35
<i>For Schedule 80 Pipe, Add</i>	9.68	
<i>For Schedule A-106 Pipe, Add</i>	2.09	
<i>For Work In Restricted Working Space, Add</i>	6.13	
23 21 13 23-0404 LF 8" Schedule 40, Welded Plain End Black Steel Pipe	53.09	13.40
<i>For Schedule 80 Pipe, Add</i>	13.89	
<i>For Schedule A-106 Pipe, Add</i>	3.16	
<i>For Schedule 30 Pipe, Deduct</i>	-7.94	
<i>For Work In Restricted Working Space, Add</i>	8.04	
23 21 13 23-0405 LF 10" Schedule 40, Welded Plain End Black Steel Pipe	69.50	16.14
<i>For Schedule 80 Pipe, Add</i>	18.68	
<i>For Schedule A-106 Pipe, Add</i>	4.47	
<i>For Schedule 30 Pipe, Deduct</i>	-10.67	
<i>For Work In Restricted Working Space, Add</i>	9.68	
23 21 13 23-0406 LF 12" Schedule 40, Welded Plain End Black Steel Pipe	88.24	19.50
<i>For Schedule 80 Pipe, Add</i>	24.06	
<i>For Schedule A-106 Pipe, Add</i>	5.91	
<i>For Schedule 30 Pipe, Deduct</i>	-13.75	
<i>For Work In Restricted Working Space, Add</i>	11.70	
23 21 13 23-0407 Welded Plain End Black Steel 90 Degree Elbows <small>(23 21 13 23-0393)</small>		
23 21 13 23-0408 EA 3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	70.81	39.51
<i>For Schedule 80 Fittings, Add</i>	15.03	
<i>For Work In Restricted Working Space, Add</i>	17.76	
23 21 13 23-0409 EA 1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	73.91	41.56
<i>For Schedule 80 Fittings, Add</i>	15.63	
<i>For Work In Restricted Working Space, Add</i>	18.69	
23 21 13 23-0410 EA 1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	82.63	47.35
<i>For Schedule 80 Fittings, Add</i>	17.33	
<i>For Work In Restricted Working Space, Add</i>	21.31	
23 21 13 23-0411 EA 1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	88.24	51.09
<i>For Schedule 80 Fittings, Add</i>	18.43	
<i>For Work In Restricted Working Space, Add</i>	22.99	
23 21 13 23-0412 EA 2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	111.29	66.48
<i>For Schedule 80 Fittings, Add</i>	22.92	
<i>For Work In Restricted Working Space, Add</i>	29.90	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0413 EA 2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	140.07	83.12
For Schedule 80 Fittings, Add	28.94	
For Work In Restricted Working Space, Add	37.38	
23 21 13 23-0414 EA 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	152.00	89.08
For Schedule 80 Fittings, Add	31.58	
For Work In Restricted Working Space, Add	40.05	
23 21 13 23-0415 EA 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	261.35	153.91
For Schedule 80 Fittings, Add	54.18	
For Work In Restricted Working Space, Add	69.23	
23 21 13 23-0416 EA 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	456.06	253.98
For Schedule 80 Fittings, Add	96.83	
For Work In Restricted Working Space, Add	114.25	
23 21 13 23-0417 EA 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	645.86	337.65
For Schedule 80 Fittings, Add	140.60	
For Work In Restricted Working Space, Add	151.88	
23 21 13 23-0418 EA 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	834.90	385.94
For Schedule 80 Fittings, Add	189.72	
For Work In Restricted Working Space, Add	173.57	
23 21 13 23-0419 EA 12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,128.71	504.95
For Schedule 80 Fittings, Add	259.12	
For Work In Restricted Working Space, Add	227.11	
23 21 13 23-0420 Welded Plain End Black Steel Reducing 90 Degree Elbows (23 21 13 23-0393)		
23 21 13 23-0421 EA 4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow	357.03	154.17
For Schedule 80 Fittings, Add	82.84	
For Work In Restricted Working Space, Add	69.35	
23 21 13 23-0422 EA 6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	622.64	251.09
For Schedule 80 Fittings, Add	147.26	
For Work In Restricted Working Space, Add	112.94	
23 21 13 23-0423 EA 6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	664.85	251.09
For Schedule 80 Fittings, Add	159.92	
For Work In Restricted Working Space, Add	112.94	
23 21 13 23-0424 EA 8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,025.53	337.65
For Schedule 80 Fittings, Add	254.50	
For Work In Restricted Working Space, Add	151.88	
23 21 13 23-0425 EA 8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,126.16	337.65
For Schedule 80 Fittings, Add	284.69	
For Work In Restricted Working Space, Add	151.88	
23 21 13 23-0426 EA 10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,408.60	385.94
For Schedule 80 Fittings, Add	361.83	
For Work In Restricted Working Space, Add	173.57	
23 21 13 23-0427 EA 10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,408.60	385.94
For Schedule 80 Fittings, Add	361.83	
For Work In Restricted Working Space, Add	173.57	
23 21 13 23-0428 EA 12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,312.49	514.55
For Schedule 80 Fittings, Add	612.74	
For Work In Restricted Working Space, Add	231.44	
23 21 13 23-0429 EA 12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,312.49	514.55
For Schedule 80 Fittings, Add	612.74	
For Work In Restricted Working Space, Add	231.44	
23 21 13 23-0430 EA 12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,586.23	514.55
For Schedule 80 Fittings, Add	694.87	
For Work In Restricted Working Space, Add	231.44	
23 21 13 23-0431 Welded Plain End Black Steel 45 Degree Elbows (23 21 13 23-0393)		
23 21 13 23-0432 EA 3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	65.22	37.36
For Schedule 80 Fittings, Add	13.69	
For Work In Restricted Working Space, Add	16.80	
23 21 13 23-0433 EA 1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	67.20	38.68
For Schedule 80 Fittings, Add	14.07	
For Work In Restricted Working Space, Add	17.39	
23 21 13 23-0434 EA 1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	75.77	44.41
For Schedule 80 Fittings, Add	15.74	
For Work In Restricted Working Space, Add	19.97	
23 21 13 23-0435 EA 1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	81.03	47.90
For Schedule 80 Fittings, Add	16.77	
For Work In Restricted Working Space, Add	21.54	
23 21 13 23-0436 EA 2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	102.12	61.93
For Schedule 80 Fittings, Add	20.88	
For Work In Restricted Working Space, Add	27.87	
23 21 13 23-0437 EA 2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	127.35	77.81
For Schedule 80 Fittings, Add	25.96	
For Work In Restricted Working Space, Add	34.99	
23 21 13 23-0438 EA 3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	146.99	89.01
For Schedule 80 Fittings, Add	30.08	
For Work In Restricted Working Space, Add	40.04	
23 21 13 23-0439 EA 4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	253.02	153.84
For Schedule 80 Fittings, Add	51.68	
For Work In Restricted Working Space, Add	69.21	
23 21 13 23-0440 EA 6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	435.32	253.73
For Schedule 80 Fittings, Add	90.65	
For Work In Restricted Working Space, Add	114.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0441 EA 8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	608.19 129.30 151.88	337.65
23 21 13 23-0442 EA 10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	765.73 168.97 173.57	385.94
23 21 13 23-0443 EA 12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,027.00 228.76 226.69	504.01
 23 21 13 23-0444 Welded Plain End Black Steel Tee <small>(23 21 13 23-0393)</small>		
23 21 13 23-0445 EA 3/4" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.25 28.91 31.63	70.30
23 21 13 23-0446 EA 1" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.22 28.90 31.62	70.30
23 21 13 23-0447 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	150.78 32.92 35.17	78.20
23 21 13 23-0448 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	165.31 35.76 39.53	87.89
23 21 13 23-0449 EA 2" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	205.59 43.21 52.78	117.34
23 21 13 23-0450 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	234.52 49.60 59.30	131.83
23 21 13 23-0451 EA 3" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	280.63 59.01 71.95	160.10
23 21 13 23-0452 EA 4" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	403.52 84.65 104.03	231.32
23 21 13 23-0453 EA 6" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	676.24 142.72 171.88	382.14
23 21 13 23-0454 EA 8" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	962.75 207.82 231.44	514.55
23 21 13 23-0455 EA 10" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,220.77 271.73 270.01	600.29
23 21 13 23-0456 EA 12" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,645.00 372.00 347.15	771.82
 23 21 13 23-0457 Welded Plain End Black Steel Reducing Tees <small>(23 21 13 23-0393)</small>		
23 21 13 23-0458 EA 3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.95 28.26 30.64	68.13
23 21 13 23-0459 EA 1" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.22 28.90 31.62	70.30
23 21 13 23-0460 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	149.00 32.39 35.17	78.20
23 21 13 23-0461 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	163.53 35.22 39.53	87.89
23 21 13 23-0462 EA 2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	209.60 44.40 52.79	117.34
23 21 13 23-0463 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	234.60 49.62 59.32	131.91
23 21 13 23-0464 EA 3" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	280.82 59.06 71.95	160.10
23 21 13 23-0465 EA 4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	403.78 84.72 104.03	231.32
23 21 13 23-0466 EA 6" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	676.69 142.85 171.88	382.14
23 21 13 23-0467 EA 8" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	963.61 208.08 231.44	514.55
23 21 13 23-0468 EA 10" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,222.23 272.17 270.01	600.29

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0469	EA	12" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,647.21 372.66 347.15	771.82
23 21	13 23-0470		Welded Plain End Black Steel Eccentric Reducers <small>(23 21 13 23-0393)</small>		
23 21	13 23-0471	EA	3" x 2" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	157.33 33.22 -7.75 39.93	88.75
23 21	13 23-0472	EA	4" x 3" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	260.52 53.88 -9.39 69.35	154.17
23 21	13 23-0473	EA	4" x 2" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	268.96 56.41 -12.09 69.35	154.17
23 21	13 23-0474	EA	6" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	435.79 91.21 -18.98 112.94	251.09
23 21	13 23-0475	EA	6" x 3" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	478.98 104.16 -32.80 112.94	251.09
23 21	13 23-0476	EA	8" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	661.57 138.31 -28.37 171.88	382.14
23 21	13 23-0477	EA	8" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	725.96 157.63 -48.97 171.88	382.14
23 21	13 23-0478	EA	10" x 8" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	763.42 159.85 -33.46 197.66	439.45
23 21	13 23-0479	EA	10" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	844.40 184.14 -59.38 197.66	439.45
23 21	13 23-0480	EA	12" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	934.49 199.50 -52.64 230.99	513.55
23 21	13 23-0481	EA	12" x 8" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,028.27 227.63 -82.65 230.99	513.55
23 21	13 23-0482		Welded Plain End Black Steel Caps <small>(23 21 13 23-0393)</small>		
23 21	13 23-0483	EA	1" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.84 7.53 9.88	22.00
23 21	13 23-0484	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.50 8.22 10.87	24.18
23 21	13 23-0485	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.19 8.56 11.27	25.04
23 21	13 23-0486	EA	2" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	54.73 10.41 14.43	32.09
23 21	13 23-0487	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.62 12.14 17.39	38.68
23 21	13 23-0488	EA	3" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.47 14.58 20.07	44.60
23 21	13 23-0489	EA	4" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	128.33 24.05 34.67	77.08
23 21	13 23-0490	EA	6" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	215.20 40.69 57.29	127.35
23 21	13 23-0491	EA	8" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	357.74 67.15 96.42	214.39
23 21	13 23-0492	EA	10" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	401.64 78.26 101.36	225.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0493 EA 12" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	456.48 89.85 113.03	251.29
23 21 13 23-0494 150 LB, Welded Plain End Black Steel Neck Flanges (23 21 13 23-0393) Note: 150 LB.		
23 21 13 23-0495 EA 2", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.95 30.15 21.13	46.98
23 21 13 23-0496 EA 2-1/2", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	120.40 31.99 26.37	58.64
23 21 13 23-0497 EA 3", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.82 33.94 31.88	70.89
23 21 13 23-0498 EA 4", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	181.65 43.75 42.05	93.49
23 21 13 23-0499 EA 6", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	276.33 66.98 63.76	141.79
23 21 13 23-0500 EA 8", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	329.95 100.70 65.68	146.05
23 21 13 23-0501 EA 10", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	457.07 156.57 82.37	183.13
23 21 13 23-0502 EA 12", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	577.63 218.97 93.47	207.80
23 21 13 23-0503 150 LB, Welded Black Steel Slip-On Flanges (23 21 13 23-0393)		
23 21 13 23-0504 EA 2", 150 LB, Welded Black Steel Slip-On Flanges <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.05 20.27 16.82	46.98
23 21 13 23-0505 EA 2-1/2", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.06 25.66 20.56	58.64
23 21 13 23-0506 EA 3", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.80 30.73 25.70	70.89
23 21 13 23-0507 EA 4", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	144.95 41.42 33.60	93.49
23 21 13 23-0508 EA 6", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	215.41 62.92 49.41	141.79
23 21 13 23-0509 EA 8", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	276.53 90.36 59.82	146.05
23 21 13 23-0510 EA 10", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	382.40 146.01 74.77	183.13
23 21 13 23-0511 EA 12", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	509.18 220.49 89.72	207.80
23 21 13 23-0512 EA 14", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	655.91 312.91 104.68	251.29
23 21 13 23-0513 EA 16", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	799.61 412.53 115.89	292.04
23 21 13 23-0514 EA 18", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	887.11 461.56 127.11	327.44
23 21 13 23-0515 EA 20", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	987.83 522.48 138.33	415.60
23 21 13 23-0516 EA 24", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,127.70 588.92 160.76	450.25
23 21 13 23-0517 150 LB, Forged Steel Blind Flanges (23 21 13 23-0393)		
23 21 13 23-0518 EA 2", 150 LB, Forged Steel Blind Flange..... <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.54 18.37 49.32 10.56	17.60
23 21 13 23-0519 EA 2-1/2", 150 LB, Forged Steel Blind Flange..... <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	71.98 28.23 77.73 12.67	21.11

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0520	EA	3", 150 LB, Forged Steel Blind Flange.....	87.08	28.15
			<i>For 300 LB Rating, Add</i>	30.54	
			<i>For 600 LB Rating, Add</i>	82.32	
			<i>For Work In Restricted Working Space, Add</i>	16.89	
23 21	13 23-0521	EA	4", 150 LB, Forged Steel Blind Flange.....	112.80	35.19
			<i>For 300 LB Rating, Add</i>	41.33	
			<i>For 600 LB Rating, Add</i>	112.37	
			<i>For Work In Restricted Working Space, Add</i>	21.11	
23 21	13 23-0522	EA	6", 150 LB, Forged Steel Blind Flange.....	155.76	45.75
			<i>For 300 LB Rating, Add</i>	61.02	
			<i>For 600 LB Rating, Add</i>	167.97	
			<i>For Work In Restricted Working Space, Add</i>	27.45	
23 21	13 23-0523	EA	8", 150 LB, Forged Steel Blind Flange.....	207.52	52.79
			<i>For 300 LB Rating, Add</i>	92.64	
			<i>For 600 LB Rating, Add</i>	260.52	
			<i>For Work In Restricted Working Space, Add</i>	31.67	
23 21	13 23-0524	EA	10", 150 LB, Forged Steel Blind Flange.....	325.79	63.34
			<i>For 300 LB Rating, Add</i>	172.58	
			<i>For 600 LB Rating, Add</i>	496.84	
			<i>For Work In Restricted Working Space, Add</i>	38.01	
23 21	13 23-0525	EA	12", 150 LB, Forged Steel Blind Flange.....	429.59	73.90
			<i>For 300 LB Rating, Add</i>	240.95	
			<i>For 600 LB Rating, Add</i>	698.47	
			<i>For Work In Restricted Working Space, Add</i>	44.34	
23 21	13 23-0526	EA	14", 150 LB, Forged Steel Blind Flange.....	749.11	84.46
			<i>For 300 LB Rating, Add</i>	481.90	
			<i>For Work In Restricted Working Space, Add</i>	50.67	
23 21	13 23-0527	EA	16", 150 LB, Forged Steel Blind Flange.....	801.60	95.01
			<i>For 300 LB Rating, Add</i>	509.21	
			<i>For Work In Restricted Working Space, Add</i>	57.01	
23 21	13 23-0528	EA	18", 150 LB, Forged Steel Blind Flange.....	896.50	116.13
			<i>For 300 LB Rating, Add</i>	555.78	
			<i>For Work In Restricted Working Space, Add</i>	69.68	
23 21	13 23-0529	EA	20", 150 LB, Forged Steel Blind Flange.....	1,162.83	126.69
			<i>For 300 LB Rating, Add</i>	754.17	
			<i>For Work In Restricted Working Space, Add</i>	76.01	
23 21	13 23-0530	EA	24", 150 LB, Forged Steel Blind Flange.....	1,597.65	147.80
			<i>For 300 LB Rating, Add</i>	1,072.68	
			<i>For Work In Restricted Working Space, Add</i>	88.68	
23 21	13 23-0531		3,000 LB, Forge Steel Thread-O-Lets (23 21 13 23-0393)		
23 21	13 23-0532	EA	1/2", 3,000 LB, Forge Steel Thread-O-Let.....	51.97	
			<i>For Weld-O-Lets, Add</i>	4.02	
			<i>For Sock-O-Lets, Add</i>	20.15	
			<i>For Work In Restricted Working Space, Add</i>	13.18	
23 21	13 23-0533	EA	3/4", 3,000 LB, Forge Steel Thread-O-Let.....	62.15	
			<i>For Weld-O-Lets, Add</i>	4.72	
			<i>For Sock-O-Lets, Add</i>	24.09	
			<i>For Work In Restricted Working Space, Add</i>	15.81	
23 21	13 23-0534	EA	1", 3,000 LB, Forge Steel Thread-O-Let.....	70.48	
			<i>For Weld-O-Lets, Add</i>	5.29	
			<i>For Sock-O-Lets, Add</i>	27.31	
			<i>For Work In Restricted Working Space, Add</i>	17.97	
23 21	13 23-0535	EA	1-1/4" Or 1-1/2", 3,000 LB, Forge Steel Thread-O-Let.....	80.88	
			<i>For Weld-O-Lets, Add</i>	7.50	
			<i>For Sock-O-Lets, Add</i>	31.48	
			<i>For Work In Restricted Working Space, Add</i>	19.76	
23 21	13 23-0536	EA	2", 3,000 LB, Forge Steel Thread-O-Let.....	91.97	
			<i>For Weld-O-Lets, Add</i>	9.38	
			<i>For Sock-O-Lets, Add</i>	35.89	
			<i>For Work In Restricted Working Space, Add</i>	21.96	
23 21	13 23-0537	EA	2-1/2", 3,000 LB, Forge Steel Thread-O-Let.....	162.20	
			<i>For Weld-O-Lets, Add</i>	34.04	
			<i>For Sock-O-Lets, Add</i>	65.04	
			<i>For Work In Restricted Working Space, Add</i>	28.24	
23 21	13 23-0538	EA	3", 3,000 LB, Forge Steel Thread-O-Let.....	200.25	
			<i>For Weld-O-Lets, Add</i>	34.24	
			<i>For Sock-O-Lets, Add</i>	79.52	
			<i>For Work In Restricted Working Space, Add</i>	39.53	
23 21	13 23-0539	EA	4", 3,000 LB, Forge Steel Thread-O-Let.....	298.77	
			<i>For Weld-O-Lets, Add</i>	67.03	
			<i>For Sock-O-Lets, Add</i>	120.24	
			<i>For Work In Restricted Working Space, Add</i>	49.41	
23 21	13 23-0540		Bolt, Nut, And 150 LB Rubber Flange Gasket Set (23 21 13 23-0393)		
			Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21	13 23-0541	EA	3/4" To 1-1/2" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set.....	6.57	
			Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washer and nut.		
			<i>For 300 LB Rating Gasket Set, Add</i>	2.14	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	8.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0542 EA 2" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set.....	11.68	
Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washer and nut.		
For 300 LB Rating Gasket Set, Add	3.80	
For 150 LB Rating Teflon Gasket Set, Add	15.24	
23 21 13 23-0543 EA 2-1/2" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set.....	12.52	
Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washer and nut.		
For 300 LB Rating Gasket Set, Add	4.07	
For 150 LB Rating Teflon Gasket Set, Add	16.34	
23 21 13 23-0544 EA 3" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set.....	13.18	
Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washer and nut.		
For 300 LB Rating Gasket Set, Add	4.28	
For 150 LB Rating Teflon Gasket Set, Add	17.20	
23 21 13 23-0545 EA 4" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set.....	22.93	
Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washer and nut.		
For 300 LB Rating Gasket Set, Add	7.45	
For 150 LB Rating Teflon Gasket Set, Add	29.92	
23 21 13 23-0546 EA 5" To 6" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set.....	35.96	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washer and nut.		
For 300 LB Rating Gasket Set, Add	11.69	
For 150 LB Rating Teflon Gasket Set, Add	46.93	
23 21 13 23-0547 EA 8" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set.....	38.68	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washer and nut.		
For 300 LB Rating Gasket Set, Add	12.57	
For 150 LB Rating Teflon Gasket Set, Add	50.48	
23 21 13 23-0548 EA 10" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set.....	78.87	
Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washer and nut.		
For 300 LB Rating Gasket Set, Add	25.63	
For 150 LB Rating Teflon Gasket Set, Add	102.93	
23 21 13 23-0549 EA 12" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set.....	85.36	
Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washer and nut.		
For 300 LB Rating Gasket Set, Add	27.74	
For 150 LB Rating Teflon Gasket Set, Add	111.39	
23 21 13 23-0550 150 LB, Rubber Flange Gasket Replacement (23 21 13 23-0393)		
Note: Includes unbolting, removal of old gaskets, new 150 LB rubber gasket and rebolting.		
23 21 13 23-0551 EA 1/2", 150 LB, Rubber Flange Gasket Replacement.....	19.51	
For 300 LB Rating Gasket Set, Add	0.02	
For 150 LB Rating Teflon Gasket Set, Add	0.54	
For 300 LB Rating Teflon Gasket Set, Add	0.62	
For Work In Restricted Working Space, Add	5.83	
23 21 13 23-0552 EA 3/4", 150 LB, Rubber Flange Gasket Replacement.....	20.84	
For 300 LB Rating Gasket Set, Add	0.04	
For 150 LB Rating Teflon Gasket Set, Add	0.77	
For 300 LB Rating Teflon Gasket Set, Add	0.89	
For Work In Restricted Working Space, Add	6.22	
23 21 13 23-0553 EA 1", 150 LB, Rubber Flange Gasket Replacement.....	22.85	
For 300 LB Rating Gasket Set, Add	0.06	
For 150 LB Rating Teflon Gasket Set, Add	1.31	
For 300 LB Rating Teflon Gasket Set, Add	1.51	
For Work In Restricted Working Space, Add	6.80	
23 21 13 23-0554 EA 1-1/4", 150 LB, Rubber Flange Gasket Replacement.....	24.81	
For 300 LB Rating Gasket Set, Add	0.07	
For 150 LB Rating Teflon Gasket Set, Add	1.47	
For 300 LB Rating Teflon Gasket Set, Add	1.69	
For Work In Restricted Working Space, Add	7.39	
23 21 13 23-0555 EA 1-1/2", 150 LB, Rubber Flange Gasket Replacement.....	27.45	
For 300 LB Rating Gasket Set, Add	0.08	
For 150 LB Rating Teflon Gasket Set, Add	1.86	
For 300 LB Rating Teflon Gasket Set, Add	2.14	
For Work In Restricted Working Space, Add	8.16	
23 21 13 23-0556 EA 2", 150 LB, Rubber Flange Gasket Replacement.....	30.15	
For 300 LB Rating Gasket Set, Add	0.12	
For 150 LB Rating Teflon Gasket Set, Add	2.63	
For 300 LB Rating Teflon Gasket Set, Add	3.03	
For Work In Restricted Working Space, Add	8.94	
23 21 13 23-0557 EA 2-1/2", 150 LB, Rubber Flange Gasket Replacement.....	35.45	
For 300 LB Rating Gasket Set, Add	0.16	
For 150 LB Rating Teflon Gasket Set, Add	3.56	
For 300 LB Rating Teflon Gasket Set, Add	4.09	
For Work In Restricted Working Space, Add	10.50	
23 21 13 23-0558 EA 3", 150 LB, Rubber Flange Gasket Replacement.....	37.47	
For 300 LB Rating Gasket Set, Add	0.19	
For 150 LB Rating Teflon Gasket Set, Add	4.10	
For 300 LB Rating Teflon Gasket Set, Add	4.72	
For Work In Restricted Working Space, Add	11.08	
23 21 13 23-0559 EA 4", 150 LB, Rubber Flange Gasket Replacement.....	49.48	
For 300 LB Rating Gasket Set, Add	0.30	
For 150 LB Rating Teflon Gasket Set, Add	6.73	
For 300 LB Rating Teflon Gasket Set, Add	7.74	
For Work In Restricted Working Space, Add	14.58	
23 21 13 23-0560 EA 5", 150 LB, Rubber Flange Gasket Replacement.....	57.36	
For 300 LB Rating Gasket Set, Add	0.34	
For 150 LB Rating Teflon Gasket Set, Add	7.50	
For 300 LB Rating Teflon Gasket Set, Add	8.63	
For Work In Restricted Working Space, Add	16.92	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0561	EA	6", 150 LB, Rubber Flange Gasket Replacement	65.41	
			<i>For 300 LB Rating Gasket Set, Add</i>	0.44	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	9.74	
			<i>For 300 LB Rating Teflon Gasket Set, Add</i>	11.21	
			<i>For Work In Restricted Working Space, Add</i>	19.25	
23 21	13 23-0562	EA	8", 150 LB, Rubber Flange Gasket Replacement	79.61	
			<i>For 300 LB Rating Gasket Set, Add</i>	0.64	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	14.22	
			<i>For 300 LB Rating Teflon Gasket Set, Add</i>	16.38	
			<i>For Work In Restricted Working Space, Add</i>	23.33	
23 21	13 23-0563	EA	10", 150 LB, Rubber Flange Gasket Replacement	85.56	
			<i>For 300 LB Rating Gasket Set, Add</i>	0.91	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	20.18	
			<i>For 300 LB Rating Teflon Gasket Set, Add</i>	23.23	
			<i>For Work In Restricted Working Space, Add</i>	24.89	
23 21	13 23-0564	EA	12", 150 LB, Rubber Flange Gasket Replacement	97.31	
			<i>For 300 LB Rating Gasket Set, Add</i>	1.17	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	25.82	
			<i>For 300 LB Rating Teflon Gasket Set, Add</i>	29.73	
			<i>For Work In Restricted Working Space, Add</i>	28.19	
23 21	13 23-0565		Cut And Prepare For Welding Existing In-Place Black Steel Pipe (23 21 13 23-0393) Note: For use when connecting pipe to an existing in-place system.		
23 21	13 23-0566	EA	1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	14.07	
			<i>For Work In Restricted Working Space, Add</i>	4.22	
23 21	13 23-0567	EA	3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	15.20	
			<i>For Work In Restricted Working Space, Add</i>	4.56	
23 21	13 23-0568	EA	1", Cut And Prepare For Welding Existing In Place Black Steel Pipe	17.09	
			<i>For Work In Restricted Working Space, Add</i>	5.13	
23 21	13 23-0569	EA	1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	17.94	
			<i>For Work In Restricted Working Space, Add</i>	5.38	
23 21	13 23-0570	EA	1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	18.99	
			<i>For Work In Restricted Working Space, Add</i>	5.70	
23 21	13 23-0571	EA	2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	20.40	
			<i>For Work In Restricted Working Space, Add</i>	6.12	
23 21	13 23-0572	EA	2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	21.81	
			<i>For Work In Restricted Working Space, Add</i>	6.54	
23 21	13 23-0573	EA	3", Cut And Prepare For Welding Existing In Place Black Steel Pipe	23.92	
			<i>For Work In Restricted Working Space, Add</i>	7.18	
23 21	13 23-0574	EA	4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	26.03	
			<i>For Work In Restricted Working Space, Add</i>	7.81	
23 21	13 23-0575	EA	6", Cut And Prepare For Welding Existing In Place Black Steel Pipe	28.14	
			<i>For Work In Restricted Working Space, Add</i>	8.44	
23 21	13 23-0576	EA	8", Cut And Prepare For Welding Existing In Place Black Steel Pipe	30.25	
			<i>For Work In Restricted Working Space, Add</i>	9.08	
23 21	13 23-0577	EA	10", Cut And Prepare For Welding Existing In Place Black Steel Pipe	33.07	
			<i>For Work In Restricted Working Space, Add</i>	9.92	
23 21	13 23-0578	EA	12", Cut And Prepare For Welding Existing In Place Black Steel Pipe	35.88	
			<i>For Work In Restricted Working Space, Add</i>	10.76	
23 21	13 23-0579		Welded Plain End Electric Resistance Black Steel Pipe (23 21 13 23-0393) Note: ASTM A-135.		
23 21	13 23-0580	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	14.24	7.24
			<i>For Work In Restricted Working Space, Add</i>	3.56	
23 21	13 23-0581	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	15.52	7.91
			<i>For Work In Restricted Working Space, Add</i>	3.56	
23 21	13 23-0582	LF	3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	16.13	7.78
			<i>For Work In Restricted Working Space, Add</i>	3.49	
23 21	13 23-0583	LF	4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	20.26	9.88
			<i>For Work In Restricted Working Space, Add</i>	4.44	
23 21	13 23-0584	LF	6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	32.46	14.63
			<i>For Work In Restricted Working Space, Add</i>	6.57	
23 21	13 23-0585	LF	8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	40.45	17.01
			<i>For Work In Restricted Working Space, Add</i>	7.67	
23 21	13 23-0586	LF	10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	53.90	21.19
			<i>For Work In Restricted Working Space, Add</i>	9.53	
23 21	13 23-0587	LF	12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	65.36	25.55
			<i>For Work In Restricted Working Space, Add</i>	11.49	
23 21	13 23-0588		Flanged Steel Fittings (23 21 13 23) See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0494 for welded neck flange ends.		
23 21	13 23-0589		Flanged Steel Fittings, Standard Weight (23 21 13 23-0588) Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0540 for gaskets.		
23 21	13 23-0590		Flanged Steel, 90 Degree Elbows (23 21 13 23-0589)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0591 EA 2" Standard Weight, Flanged Steel, 90 Degree Elbow	374.06	30.24
For Galvanized Fittings, Add	262.98	
For Extra Heavy Weight Fittings, Add	394.46	
23 21 13 23-0592 EA 2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow	417.24	33.68
For Galvanized Fittings, Add	293.38	
For Extra Heavy Weight Fittings, Add	440.06	
23 21 13 23-0593 EA 3" Standard Weight, Flanged Steel, 90 Degree Elbow	412.49	37.17
For Galvanized Fittings, Add	285.44	
For Extra Heavy Weight Fittings, Add	428.16	
23 21 13 23-0594 EA 4" Standard Weight, Flanged Steel, 90 Degree Elbow	525.63	43.20
For Galvanized Fittings, Add	368.70	
For Extra Heavy Weight Fittings, Add	553.04	
23 21 13 23-0595 EA 5" Standard Weight, Flanged Steel, 90 Degree Elbow	741.55	48.38
For Galvanized Fittings, Add	535.21	
For Extra Heavy Weight Fittings, Add	802.81	
23 21 13 23-0596 EA 6" Standard Weight, Flanged Steel, 90 Degree Elbow	781.28	56.15
For Galvanized Fittings, Add	557.67	
For Extra Heavy Weight Fittings, Add	836.51	
23 21 13 23-0597 EA 8" Standard Weight, Flanged Steel, 90 Degree Elbow	996.32	62.18
For Galvanized Fittings, Add	722.45	
For Extra Heavy Weight Fittings, Add	1,083.67	
23 21 13 23-0598 Flanged Steel, Reducing 90 Degree Elbows (23 21 13 23-0589)		
23 21 13 23-0599 EA 2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	711.98	32.00
For Galvanized Fittings, Add	531.24	
For Extra Heavy Weight Fittings, Add	796.86	
23 21 13 23-0600 EA 3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	740.28	35.43
For Galvanized Fittings, Add	549.74	
For Extra Heavy Weight Fittings, Add	824.62	
23 21 13 23-0601 EA 4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	924.16	40.16
For Galvanized Fittings, Add	691.14	
For Extra Heavy Weight Fittings, Add	1,036.72	
23 21 13 23-0602 EA 5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,147.74	42.75
For Galvanized Fittings, Add	866.90	
For Extra Heavy Weight Fittings, Add	1,300.36	
23 21 13 23-0603 EA 6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,306.78	49.67
For Galvanized Fittings, Add	965.84	
For Extra Heavy Weight Fittings, Add	1,478.76	
23 21 13 23-0604 EA 8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,828.15	59.19
For Galvanized Fittings, Add	1,391.54	
For Extra Heavy Weight Fittings, Add	2,087.30	
23 21 13 23-0605 Flanged Steel, 45 Degree Elbows (23 21 13 23-0589)		
23 21 13 23-0606 EA 2" Standard Weight, Flanged Steel, 45 Degree Elbow	493.00	30.24
For Galvanized Fittings, Add	358.13	
For Extra Heavy Weight Fittings, Add	537.19	
23 21 13 23-0607 EA 2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow	513.04	33.68
For Galvanized Fittings, Add	370.02	
For Extra Heavy Weight Fittings, Add	555.02	
23 21 13 23-0608 EA 3" Standard Weight, Flanged Steel, 45 Degree Elbow	531.43	37.17
For Galvanized Fittings, Add	380.59	
For Extra Heavy Weight Fittings, Add	570.89	
23 21 13 23-0609 EA 4" Standard Weight, Flanged Steel, 45 Degree Elbow	664.39	43.20
For Galvanized Fittings, Add	479.70	
For Extra Heavy Weight Fittings, Add	719.56	
23 21 13 23-0610 EA 5" Standard Weight, Flanged Steel, 45 Degree Elbow	966.20	48.38
For Galvanized Fittings, Add	714.93	
For Extra Heavy Weight Fittings, Add	1,072.39	
23 21 13 23-0611 EA 6" Standard Weight, Flanged Steel, 45 Degree Elbow	936.56	56.15
For Galvanized Fittings, Add	681.90	
For Extra Heavy Weight Fittings, Add	1,022.84	
23 21 13 23-0612 EA 8" Standard Weight, Flanged Steel, 45 Degree Elbow	1,106.90	62.18
For Galvanized Fittings, Add	810.91	
For Extra Heavy Weight Fittings, Add	1,216.37	
23 21 13 23-0613 Flanged Steel, Tees (23 21 13 23-0589)		
23 21 13 23-0614 EA 2" Standard Weight, Flanged Steel, Tee	476.01	45.34
For Galvanized Fittings, Add	326.41	
For Extra Heavy Weight Fittings, Add	489.61	
23 21 13 23-0615 EA 2-1/2" Standard Weight, Flanged Steel, Tee	619.24	50.51
For Galvanized Fittings, Add	434.78	
For Extra Heavy Weight Fittings, Add	652.16	
23 21 13 23-0616 EA 3" Standard Weight, Flanged Steel, Tee	559.30	55.69
For Galvanized Fittings, Add	380.60	
For Extra Heavy Weight Fittings, Add	570.90	
23 21 13 23-0617 EA 4" Standard Weight, Flanged Steel, Tee	807.43	64.83
For Galvanized Fittings, Add	568.23	
For Extra Heavy Weight Fittings, Add	852.35	
23 21 13 23-0618 EA 5" Standard Weight, Flanged Steel, Tee	1,212.87	72.61
For Galvanized Fittings, Add	883.25	
For Extra Heavy Weight Fittings, Add	1,324.87	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0619	EA	6" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,482.68 1,085.12 1,627.68	84.26
23 21	13 23-0620	EA	8" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,639.19 1,194.26 1,791.38	97.60
23 21	13 23-0621		Flanged Steel, Reducing Tees (23 21 13 23-0589)		
23 21	13 23-0622	EA	2-1/2" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	765.32 553.71 830.57	48.83
23 21	13 23-0623	EA	3" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	885.42 643.57 965.35	54.01
23 21	13 23-0624	EA	4" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,541.20 1,158.87 1,738.31	61.79
23 21	13 23-0625	EA	5" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,664.09 1,247.34 1,871.00	70.01
23 21	13 23-0626	EA	6" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,096.15 1,580.54 2,370.82	80.37
23 21	13 23-0627	EA	8" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,623.07 1,990.18 2,985.26	90.28
23 21	13 23-0628		Flanged Steel, Concentric Reducers (23 21 13 23-0589)		
23 21	13 23-0629	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	730.37 541.82 812.72	35.43
23 21	13 23-0630	EA	4" x 3" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	830.00 615.82 923.72	40.16
23 21	13 23-0631	EA	5" x 4" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,239.83 936.94 1,405.42	45.79
23 21	13 23-0632	EA	6" x 4" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,367.90 1,034.74 1,552.10	49.67
23 21	13 23-0633	EA	8" x 6" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,601.84 1,210.49 1,815.73	59.19
23 21	13 23-0634		Flanged Steel, Eccentric Reducers (23 21 13 23-0589)		
23 21	13 23-0635	EA	4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	970.41 728.14 1,092.22	40.16
23 21	13 23-0636	EA	5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,329.03 1,008.30 1,512.46	45.79
23 21	13 23-0637		Plain End Couplings And Fittings (23 21 13 23)		
Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.					
23 21	13 23-0638		Plain End Piping System Couplings (23 21 13 23-0637)		
23 21	13 23-0639		Plainlock Plain End Piping System Couplings (23 21 13 23-0638)		
Note: Ductile iron body with gasket, bolts and nuts.					
23 21	13 23-0640	EA	1" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	96.03 18.04	3.88
23 21	13 23-0641	EA	1-1/2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	98.30 18.04	5.37
23 21	13 23-0642	EA	2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	100.92 18.04	7.12
23 21	13 23-0643	EA	2-1/2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	103.16 18.04	8.61
23 21	13 23-0644	EA	3" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	121.99 21.29	10.37
23 21	13 23-0645	EA	4" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	168.21 29.50	13.80
23 21	13 23-0646	EA	6" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	282.72 49.81	22.48
23 21	13 23-0647		Roust-A-Bout Plain End Piping System Couplings (23 21 13 23-0638)		
Note: Ductile iron body with gasket, bolts and nuts.					
23 21	13 23-0648	EA	1-1/2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	115.81 26.93	5.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0649 EA 2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	118.43 26.93	7.12
23 21 13 23-0650 EA 2-1/2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	120.68 26.93	8.68
23 21 13 23-0651 EA 3" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	175.10 39.89	10.37
23 21 13 23-0652 EA 3-1/2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	202.80 46.16	12.11
23 21 13 23-0653 EA 4" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	205.36 46.16	13.80
23 21 13 23-0654 EA 5" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	289.73 65.95	17.29
23 21 13 23-0655 EA 6" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	355.88 80.55	22.48
23 21 13 23-0656 EA 8" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	611.51 142.83	26.81
23 21 13 23-0657 EA 10" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	790.89 185.82	31.73
23 21 13 23-0658 EA 12" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	989.01 233.17	37.56
23 21 13 23-0659 EA 14" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	1,386.65 331.10	41.52
23 21 13 23-0660 EA 16" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	1,884.03 453.41	46.95
23 21 13 23-0661 Plain End Piping System Fittings (23 21 13 23-0637) Note: Cast ductile iron bodies.		
23 21 13 23-0662 Plain End Piping System, 90 Degree Elbows (23 21 13 23-0661)		
23 21 13 23-0663 EA 1" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	95.73 17.03	7.06
23 21 13 23-0664 EA 1-1/2" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	101.18 17.03	10.69
23 21 13 23-0665 EA 2" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	106.32 17.03	14.12
23 21 13 23-0666 EA 2-1/2" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	110.94 17.03	17.22
23 21 13 23-0667 EA 3" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	133.53 20.45	20.85
23 21 13 23-0668 EA 4" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	190.34 29.83	27.46
23 21 13 23-0669 EA 5" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	567.80 103.25	34.39
23 21 13 23-0670 EA 6" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	477.96 82.10	45.02
23 21 13 23-0671 EA 8" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	947.17 173.40	53.43
23 21 13 23-0672 EA 10" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,183.29 217.94	62.43
23 21 13 23-0673 EA 12" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,499.87 277.49	75.00
23 21 13 23-0674 Plain End Piping System, 45 Degree Elbows (23 21 13 23-0661)		
23 21 13 23-0675 EA 1" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	95.73 17.03	7.06
23 21 13 23-0676 EA 1-1/2" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	101.18 17.03	10.69
23 21 13 23-0677 EA 2" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	106.32 17.03	14.12
23 21 13 23-0678 EA 2-1/2" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	110.94 17.03	17.22
23 21 13 23-0679 EA 3" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	133.53 20.45	20.85
23 21 13 23-0680 EA 4" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	190.34 29.83	27.46
23 21 13 23-0681 EA 5" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	567.80 103.25	34.39
23 21 13 23-0682 EA 6" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	479.54 82.42	45.02
23 21 13 23-0683 EA 8" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	556.55 95.28	53.43
23 21 13 23-0684 EA 10" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	758.42 132.97	62.43
23 21 13 23-0685 EA 12" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	971.32 171.78	75.00
23 21 13 23-0686 Plain End Piping System, Tees (23 21 13 23-0661)		
23 21 13 23-0687 EA 1" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	130.69 22.93	10.69
23 21 13 23-0688 EA 1-1/2" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	138.72 22.93	16.06

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0689 EA 2" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	145.80 22.93	20.79
23 21 13 23-0690 EA 2-1/2" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	152.85 22.93	25.45
23 21 13 23-0691 EA 3" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	211.93 33.00	31.28
23 21 13 23-0692 EA 4" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	290.12 45.90	40.48
23 21 13 23-0693 EA 5" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	583.46 100.82	52.91
23 21 13 23-0694 EA 6" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	721.47 124.43	66.25
23 21 13 23-0695 EA 8" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	982.86 172.41	80.56
23 21 13 23-0696 EA 10" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	1,457.20 263.28	93.90
23 21 13 23-0697 EA 12" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	1,949.47 356.16	112.50
23 21 13 23-0698 Plain End Piping System, Reducing Tees (23 21 13 23-0661)		
23 21 13 23-0699 EA 1-1/2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	252.46 45.33	17.22
23 21 13 23-0700 EA 2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	257.78 45.33	20.79
23 21 13 23-0701 EA 2-1/2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	264.83 45.33	25.45
23 21 13 23-0702 EA 3" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	273.57 45.33	31.28
23 21 13 23-0703 EA 4" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	395.23 66.92	40.48
23 21 13 23-0704 EA 6" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	667.50 113.63	66.25
23 21 13 23-0705 EA 8" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	869.07 149.65	80.56
23 21 13 23-0706 EA 10" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	1,294.33 230.71	93.90
23 21 13 23-0707 EA 12" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	1,902.86 346.84	112.50
23 21 13 23-0708 Plain End Piping System, Wyes (23 21 13 23-0661)		
23 21 13 23-0709 EA 2" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	366.99 67.17	20.79
23 21 13 23-0710 EA 2-1/2" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	374.04 67.17	25.45
23 21 13 23-0711 EA 3" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	424.45 75.50	31.28
23 21 13 23-0712 EA 4" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	620.99 112.07	40.48
23 21 13 23-0713 EA 5" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	761.25 136.38	52.91
23 21 13 23-0714 EA 6" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,038.30 187.79	66.25
23 21 13 23-0715 EA 8" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,336.86 243.21	80.56
23 21 13 23-0716 EA 10" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,933.99 358.64	93.90
23 21 13 23-0717 EA 12" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	2,933.03 552.87	112.50
23 21 13 23-0718 Plain End Piping System, Laterals (23 21 13 23-0661)		
23 21 13 23-0719 EA 2" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	390.74 71.92	20.79
23 21 13 23-0720 EA 2-1/2" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	397.79 71.92	25.45
23 21 13 23-0721 EA 3" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	448.04 80.22	31.28
23 21 13 23-0722 EA 4" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	666.05 121.08	40.48
23 21 13 23-0723 EA 5" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	868.57 157.84	52.91
23 21 13 23-0724 EA 6" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	1,107.35 201.60	66.25
23 21 13 23-0725 EA 8" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	1,590.49 293.93	80.56
23 21 13 23-0726 EA 10" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	2,215.39 414.92	93.90
23 21 13 23-0727 EA 12" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	2,974.85 561.24	112.50



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0728				Plain End Piping System, Crosses <small>(23 21 13 23-0661)</small>		
23 21 13 23-0729	EA			2" Plain End Piping System, Cross.....	437.12	31.15
				<i>For Galvanized Fittings, Add</i>	48.81	
23 21 13 23-0730	EA			2-1/2" Plain End Piping System, Cross.....	447.68	38.15
				<i>For Galvanized Fittings, Add</i>	48.81	
23 21 13 23-0731	EA			3" Plain End Piping System, Cross.....	523.28	46.95
				<i>For Galvanized Fittings, Add</i>	56.61	
23 21 13 23-0732	EA			4" Plain End Piping System, Cross.....	713.10	60.69
				<i>For Galvanized Fittings, Add</i>	77.77	
23 21 13 23-0733	EA			5" Plain End Piping System, Cross.....	1,002.71	79.40
				<i>For Galvanized Fittings, Add</i>	110.46	
23 21 13 23-0734	EA			6" Plain End Piping System, Cross.....	1,315.33	99.09
				<i>For Galvanized Fittings, Add</i>	145.85	
23 21 13 23-0735	EA			8" Plain End Piping System, Cross.....	1,676.78	120.01
				<i>For Galvanized Fittings, Add</i>	187.11	
23 21 13 23-0736	EA			10" Plain End Piping System, Cross.....	2,394.32	140.28
				<i>For Galvanized Fittings, Add</i>	273.01	
23 21 13 23-0737	EA			12" Plain End Piping System, Cross.....	3,402.21	168.78
				<i>For Galvanized Fittings, Add</i>	393.65	
23 21 13 23-0738				Plain End Piping System, Adapter Nipples <small>(23 21 13 23-0661)</small>		
				Note: Plain to threaded, plain to beveled or plain to grooved.		
23 21 13 23-0739	EA			1" Plain End Piping System, Adapter Nipple.....	18.19	3.88
				<i>For Galvanized Fittings, Add</i>	3.09	
23 21 13 23-0740	EA			1-1/2" Plain End Piping System, Adapter Nipple.....	20.80	5.37
				<i>For Galvanized Fittings, Add</i>	3.18	
23 21 13 23-0741	EA			2" Plain End Piping System, Adapter Nipple.....	23.35	7.12
				<i>For Galvanized Fittings, Add</i>	3.18	
23 21 13 23-0742	EA			2-1/2" Plain End Piping System, Adapter Nipple.....	27.83	8.61
				<i>For Galvanized Fittings, Add</i>	3.72	
23 21 13 23-0743	EA			3" Plain End Piping System, Adapter Nipple.....	33.93	10.37
				<i>For Galvanized Fittings, Add</i>	4.60	
23 21 13 23-0744	EA			4" Plain End Piping System, Adapter Nipple.....	51.47	13.80
				<i>For Galvanized Fittings, Add</i>	7.69	
23 21 13 23-0745	EA			6" Plain End Piping System, Adapter Nipple.....	109.06	17.29
				<i>For Galvanized Fittings, Add</i>	20.79	
23 21 13 23-0746				Plain End Piping System, Reducing (Swaged) Nipples <small>(23 21 13 23-0661)</small>		
23 21 13 23-0747	EA			1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	55.47	9.26
				<i>For Galvanized Fittings, Add</i>	10.39	
23 21 13 23-0748	EA			2" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	58.06	11.01
				<i>For Galvanized Fittings, Add</i>	10.39	
23 21 13 23-0749	EA			2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	60.68	12.76
				<i>For Galvanized Fittings, Add</i>	10.39	
23 21 13 23-0750	EA			2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	60.04	12.37
				<i>For Galvanized Fittings, Add</i>	10.39	
23 21 13 23-0751	EA			2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	62.60	14.06
				<i>For Galvanized Fittings, Add</i>	10.39	
23 21 13 23-0752	EA			2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	65.18	15.74
				<i>For Galvanized Fittings, Add</i>	10.39	
23 21 13 23-0753	EA			3" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	71.92	14.25
				<i>For Galvanized Fittings, Add</i>	12.65	
23 21 13 23-0754	EA			3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	74.23	15.74
				<i>For Galvanized Fittings, Add</i>	12.65	
23 21 13 23-0755	EA			3" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	65.15	17.49
				<i>For Galvanized Fittings, Add</i>	9.73	
23 21 13 23-0756	EA			3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	70.17	20.85
				<i>For Galvanized Fittings, Add</i>	9.73	
23 21 13 23-0757	EA			3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	80.19	22.48
				<i>For Galvanized Fittings, Add</i>	11.63	
23 21 13 23-0758	EA			4" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	97.68	17.68
				<i>For Galvanized Fittings, Add</i>	17.79	
23 21 13 23-0759	EA			4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	99.95	19.23
				<i>For Galvanized Fittings, Add</i>	17.79	
23 21 13 23-0760	EA			4" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	85.31	20.99
				<i>For Galvanized Fittings, Add</i>	13.47	
23 21 13 23-0761	EA			4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	87.53	22.48
				<i>For Galvanized Fittings, Add</i>	13.47	
23 21 13 23-0762	EA			4" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	90.17	24.22
				<i>For Galvanized Fittings, Add</i>	13.47	
23 21 13 23-0763	EA			4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	92.69	25.91
				<i>For Galvanized Fittings, Add</i>	13.47	
23 21 13 23-0764	EA			5" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	234.74	24.41
				<i>For Galvanized Fittings, Add</i>	49.53	
23 21 13 23-0765	EA			5" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	194.31	27.59
				<i>For Galvanized Fittings, Add</i>	38.23	
23 21 13 23-0766	EA			5" x 4" Plain End Piping System, Reducing (Swaged) Nipple.....	172.49	31.15
				<i>For Galvanized Fittings, Add</i>	31.46	
23 21 13 23-0767	EA			6" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	416.95	26.36
				<i>For Galvanized Fittings, Add</i>	94.37	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0768 EA 6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	419.19	27.85
For Galvanized Fittings, Add	94.37	
23 21 13 23-0769 EA 6" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	323.54	29.60
For Galvanized Fittings, Add	69.80	
23 21 13 23-0770 EA 6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	325.84	31.15
For Galvanized Fittings, Add	69.80	
23 21 13 23-0771 EA 6" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	230.14	32.83
For Galvanized Fittings, Add	45.23	
23 21 13 23-0772 EA 6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	232.49	34.39
For Galvanized Fittings, Add	45.23	
23 21 13 23-0773 EA 6" x 4" Plain End Piping System, Reducing (Swaged) Nipple.....	191.55	36.27
For Galvanized Fittings, Add	34.31	
23 21 13 23-0774 EA 6" x 5" Plain End Piping System, Reducing (Swaged) Nipple.....	216.86	39.70
For Galvanized Fittings, Add	39.33	
23 21 13 23-0775 EA 8" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	273.84	37.11
For Galvanized Fittings, Add	54.55	
23 21 13 23-0776 EA 8" x 4" Plain End Piping System, Reducing (Swaged) Nipple.....	279.07	40.61
For Galvanized Fittings, Add	54.55	
23 21 13 23-0777 EA 8" x 5" Plain End Piping System, Reducing (Swaged) Nipple.....	314.32	44.11
For Galvanized Fittings, Add	62.06	
23 21 13 23-0778 EA 8" x 6" Plain End Piping System, Reducing (Swaged) Nipple.....	352.19	49.28
For Galvanized Fittings, Add	69.56	
23 21 13 23-0779 Plain End Piping System, Bull Plugs (23 21 13 23-0661)		
23 21 13 23-0780 EA 1" Plain End Piping System, Bull Plug.....	190.96	3.88
For Galvanized Fittings, Add	55.54	
23 21 13 23-0781 EA 1-1/2" Plain End Piping System, Bull Plug.....	193.23	5.37
For Galvanized Fittings, Add	55.54	
23 21 13 23-0782 EA 2" Plain End Piping System, Bull Plug.....	195.78	7.12
For Galvanized Fittings, Add	55.54	
23 21 13 23-0783 EA 2-1/2" Plain End Piping System, Bull Plug.....	198.08	8.61
For Galvanized Fittings, Add	55.54	
23 21 13 23-0784 EA 3" Plain End Piping System, Bull Plug.....	286.92	10.37
For Galvanized Fittings, Add	81.41	
23 21 13 23-0785 EA 4" Plain End Piping System, Bull Plug.....	371.25	13.80
For Galvanized Fittings, Add	105.16	
23 21 13 23-0786 EA 5" Plain End Piping System, Bull Plug.....	645.37	17.29
For Galvanized Fittings, Add	185.84	
23 21 13 23-0787 EA 6" Plain End Piping System, Bull Plug.....	859.88	22.48
For Galvanized Fittings, Add	247.86	
23 21 13 23-0788 EA 8" Plain End Piping System, Bull Plug.....	1,593.45	26.74
For Galvanized Fittings, Add	465.99	
23 21 13 23-0789 EA 10" Plain End Piping System, Bull Plug.....	2,866.69	31.28
For Galvanized Fittings, Add	845.93	
23 21 13 23-0790 EA 12" Plain End Piping System, Bull Plug.....	4,392.62	37.56
For Galvanized Fittings, Add	1,300.89	
23 21 13 23-0791 Carbon Steel Piping Systems (23 21 13 23)		
23 21 13 23-0792 Class 3,000 LB Carbon Steel Socket Weld Fittings (23 21 13 23-0791)		
Note: ASTM A105		
23 21 13 23-0793 90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0792)		
23 21 13 23-0794 EA 1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	24.29	12.83
23 21 13 23-0795 EA 3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	27.31	14.31
23 21 13 23-0796 EA 1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	34.74	15.99
23 21 13 23-0797 EA 1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	47.20	18.13
23 21 13 23-0798 EA 1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	53.95	20.40
23 21 13 23-0799 EA 2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	73.14	25.97
23 21 13 23-0800 EA 2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	144.47	38.40
23 21 13 23-0801 EA 3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	205.46	50.51
23 21 13 23-0802 EA 4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	354.97	53.05
23 21 13 23-0803 45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0792)		
23 21 13 23-0804 EA 1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	26.54	12.83
23 21 13 23-0805 EA 3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	30.71	14.31
23 21 13 23-0806 EA 1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	35.78	15.99
23 21 13 23-0807 EA 1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	48.53	18.13
23 21 13 23-0808 EA 1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	57.12	20.40
23 21 13 23-0809 EA 2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	73.07	25.97
23 21 13 23-0810 EA 2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	163.88	38.40
23 21 13 23-0811 EA 3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	221.89	50.51
23 21 13 23-0812 EA 4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	347.86	53.05
23 21 13 23-0813 Straight Tees, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0792)		
23 21 13 23-0814 EA 1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	29.79	15.99
23 21 13 23-0815 EA 3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	36.05	18.45
23 21 13 23-0816 EA 1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	47.52	21.82
23 21 13 23-0817 EA 1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	63.04	25.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0818 EA 1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	76.37	30.96
23 21 13 23-0819 EA 2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	101.04	38.40
23 21 13 23-0820 EA 2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	180.40	50.51
23 21 13 23-0821 EA 3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	247.08	59.97
23 21 13 23-0822 EA 4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	469.59	66.98
23 21 13 23-0823 Reducing Tees, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0792)</small>		
23 21 13 23-0824 EA 1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	30.40	15.99
23 21 13 23-0825 EA 3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	36.69	18.45
23 21 13 23-0826 EA 1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	48.28	21.82
23 21 13 23-0827 EA 1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	64.84	25.97
23 21 13 23-0828 EA 1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	78.49	30.96
23 21 13 23-0829 EA 2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	104.29	38.40
23 21 13 23-0830 EA 2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	188.12	50.51
23 21 13 23-0831 EA 3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	258.19	59.97
23 21 13 23-0832 EA 4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	430.04	66.98
23 21 13 23-0833 Straight Couplings, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0792)</small>		
23 21 13 23-0834 EA 1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	21.52	12.83
23 21 13 23-0835 EA 3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	24.24	14.31
23 21 13 23-0836 EA 1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	28.22	15.99
23 21 13 23-0837 EA 1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	32.50	18.13
23 21 13 23-0838 EA 1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	37.81	20.40
23 21 13 23-0839 EA 2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	49.38	25.97
23 21 13 23-0840 EA 2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	83.94	38.40
23 21 13 23-0841 EA 3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	112.12	50.51
23 21 13 23-0842 EA 4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	152.06	53.05
23 21 13 23-0843 Reducing Couplings, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0792)</small>		
23 21 13 23-0844 EA 1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	22.77	12.83
23 21 13 23-0845 EA 3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	25.62	14.31
23 21 13 23-0846 EA 1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	30.42	15.99
23 21 13 23-0847 EA 1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	35.16	18.13
23 21 13 23-0848 EA 1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	41.75	20.40
23 21 13 23-0849 EA 2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	53.60	25.97
23 21 13 23-0850 EA 2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	93.23	38.40
23 21 13 23-0851 EA 3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	130.81	50.51
23 21 13 23-0852 EA 4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	190.91	53.05
23 21 13 23-0853 Caps, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0792)</small>		
23 21 13 23-0854 EA 1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	12.68	6.02
23 21 13 23-0855 EA 3/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	14.42	6.41
23 21 13 23-0856 EA 1" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	16.91	7.38
23 21 13 23-0857 EA 1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	19.61	8.03
23 21 13 23-0858 EA 1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	22.41	8.03
23 21 13 23-0859 EA 2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	29.07	10.30
23 21 13 23-0860 EA 2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	51.20	12.83
23 21 13 23-0861 EA 3" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	73.64	15.48
23 21 13 23-0862 EA 4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	105.89	18.15
23 21 13 23-0863 Black Cast Iron Square Head Plug <small>(23 21 13 23-0792)</small>		
23 21 13 23-0864 EA 1/2" Square Head Plug, Black, Cast Iron.....	8.44	5.11
23 21 13 23-0865 EA 3/4" Square Head Plug, Black, Cast Iron.....	9.63	5.11
23 21 13 23-0866 EA 1" Square Head Plug, Black, Cast Iron.....	13.83	7.77
23 21 13 23-0867 EA 1-1/4" Square Head Plug, Black, Cast Iron.....	14.07	7.77
23 21 13 23-0868 EA 1-1/2" Square Head Plug, Black, Cast Iron.....	15.06	7.77
23 21 13 23-0869 EA 2" Square Head Plug, Black, Cast Iron.....	19.95	10.30
23 21 13 23-0870 EA 2-1/2" Square Head Plug, Black, Cast Iron.....	25.68	12.83
23 21 13 23-0871 EA 3" Square Head Plug, Black, Cast Iron.....	33.62	15.48
23 21 13 23-0872 EA 4" Square Head Plug, Black, Cast Iron.....	39.48	18.15
23 21 13 23-0873 Unions, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0792)</small>		
23 21 13 23-0874 EA 1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	37.05	15.99
23 21 13 23-0875 EA 3/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	41.08	18.45
23 21 13 23-0876 EA 1" Union, Carbon Steel, Socket Weld, 3,000 LB.....	52.30	21.82
23 21 13 23-0877 EA 1-1/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	65.92	25.97
23 21 13 23-0878 EA 1-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	79.42	30.96
23 21 13 23-0879 EA 2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	99.26	38.40
23 21 13 23-0880 EA 2-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	169.32	41.71
23 21 13 23-0881 EA 3" Union, Carbon Steel, Socket Weld, 3,000 LB.....	227.06	50.51
23 21 13 23-0882 Class 6,000 LB Carbon Steel Socket Weld Fittings <small>(23 21 13 23-0791)</small>		
Note: ASTM A105		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0883 90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0882)		
23 21 13 23-0884 EA 1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	27.00	12.83
23 21 13 23-0885 EA 3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	30.41	14.31
23 21 13 23-0886 EA 1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	40.45	15.99
23 21 13 23-0887 EA 1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	57.84	18.13
23 21 13 23-0888 EA 1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	66.33	20.40
23 21 13 23-0889 EA 2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	91.33	25.97
23 21 13 23-0890 EA 2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	190.62	38.40
23 21 13 23-0891 EA 3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	274.35	50.51
23 21 13 23-0892 EA 4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	501.26	53.05
23 21 13 23-0893 45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0882)		
23 21 13 23-0894 EA 1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	30.70	12.83
23 21 13 23-0895 EA 3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	35.94	14.31
23 21 13 23-0896 EA 1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	42.46	15.99
23 21 13 23-0897 EA 1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	60.62	18.13
23 21 13 23-0898 EA 1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	72.12	20.40
23 21 13 23-0899 EA 2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	92.43	25.97
23 21 13 23-0900 EA 2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	224.08	38.40
23 21 13 23-0901 EA 3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	304.63	50.51
23 21 13 23-0902 EA 4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	499.80	53.05
23 21 13 23-0903 Straight Tees, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0882)		
23 21 13 23-0904 EA 1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	35.15	15.99
23 21 13 23-0905 EA 3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	43.81	18.45
23 21 13 23-0906 EA 1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	61.24	21.82
23 21 13 23-0907 EA 1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	85.41	25.97
23 21 13 23-0908 EA 1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	104.11	30.96
23 21 13 23-0909 EA 2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	141.30	38.40
23 21 13 23-0910 EA 2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	277.32	50.51
23 21 13 23-0911 EA 3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	392.61	59.97
23 21 13 23-0912 EA 4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	811.50	66.98
23 21 13 23-0913 Reducing Tees, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0882)		
23 21 13 23-0914 EA 1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	30.40	15.99
23 21 13 23-0915 EA 3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	36.69	18.45
23 21 13 23-0916 EA 1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	48.28	21.82
23 21 13 23-0917 EA 1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	64.84	25.97
23 21 13 23-0918 EA 1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	78.49	30.96
23 21 13 23-0919 EA 2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	104.29	38.40
23 21 13 23-0920 EA 2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	188.12	50.51
23 21 13 23-0921 EA 3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	258.19	59.97
23 21 13 23-0922 EA 4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	430.04	66.98
23 21 13 23-0923 Straight Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0882)		
23 21 13 23-0924 EA 1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	22.65	12.83
23 21 13 23-0925 EA 3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	25.57	14.31
23 21 13 23-0926 EA 1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	30.27	15.99
23 21 13 23-0927 EA 1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	35.08	18.13
23 21 13 23-0928 EA 1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	41.28	20.40
23 21 13 23-0929 EA 2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	54.45	25.97
23 21 13 23-0930 EA 2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	96.70	38.40
23 21 13 23-0931 EA 3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	129.71	50.51
23 21 13 23-0932 EA 4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	187.15	53.05
23 21 13 23-0933 Reducing Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0882)		
23 21 13 23-0934 EA 1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	24.50	12.83
23 21 13 23-0935 EA 3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	27.60	14.31
23 21 13 23-0936 EA 1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	33.51	15.99
23 21 13 23-0937 EA 1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	38.99	18.13
23 21 13 23-0938 EA 1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	47.09	20.40
23 21 13 23-0939 EA 2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	60.65	25.97
23 21 13 23-0940 EA 2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	110.35	38.40
23 21 13 23-0941 EA 3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	157.23	50.51
23 21 13 23-0942 EA 4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	244.38	53.05
23 21 13 23-0943 Caps, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0882)		
23 21 13 23-0944 EA 1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	15.16	6.02
23 21 13 23-0945 EA 3/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	17.66	6.41
23 21 13 23-0946 EA 1" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	20.83	7.38
23 21 13 23-0947 EA 1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	24.73	8.03
23 21 13 23-0948 EA 1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	29.40	8.03
23 21 13 23-0949 EA 2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	38.19	10.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0950 EA 2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	72.68	12.83
23 21 13 23-0951 EA 3" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	107.48	15.48
23 21 13 23-0952 EA 4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	158.65	18.15
23 21 13 23-0953 Black Cast Iron Square Head Plug (23 21 13 23-0882)		
23 21 13 23-0954 EA 1/2" Square Head Plug, Black Cast Iron.....	8.44	5.11
23 21 13 23-0955 EA 3/4" Square Head Plug, Black Cast Iron.....	9.64	5.11
23 21 13 23-0956 EA 1" Square Head Plug, Black Cast Iron.....	13.84	7.77
23 21 13 23-0957 EA 1-1/4" Square Head Plug, Black Cast Iron.....	14.08	7.77
23 21 13 23-0958 EA 1-1/2" Square Head Plug, Black Cast Iron.....	15.07	7.77
23 21 13 23-0959 EA 2" Square Head Plug, Black Cast Iron.....	19.97	10.30
23 21 13 23-0960 EA 2-1/2" Square Head Plug, Black Cast Iron.....	25.71	12.83
23 21 13 23-0961 EA 3" Square Head Plug, Black Cast Iron.....	33.67	15.48
23 21 13 23-0962 EA 4" Square Head Plug, Black Cast Iron.....	39.54	18.15
23 21 13 23-0963 Unions, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0882)		
23 21 13 23-0964 EA 1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	45.03	15.99
23 21 13 23-0965 EA 3/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	49.28	18.45
23 21 13 23-0966 EA 1" Union, Carbon Steel, Socket Weld, 6,000 LB.....	64.27	21.82
23 21 13 23-0967 EA 1-1/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	82.45	25.97
23 21 13 23-0968 EA 1-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	99.59	30.96
23 21 13 23-0969 EA 2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	124.76	38.40
23 21 13 23-0970 EA 2-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	234.60	41.71
23 21 13 23-0971 EA 3" Union, Carbon Steel, Socket Weld, 6,000 LB.....	319.59	50.51
23 21 13 23-0972 Carbon Steel Piping System (23 21 13 23-0791)		
Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.		
23 21 13 23-0973 Schedule 40 Carbon Steel Piping (23 21 13 23-0972)		
Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-0974 LF 1/4" ASTM A106 Carbon Steel Pipe, Schedule 40.....	4.98	2.40
For Schedule 80, Add		0.50
23 21 13 23-0975 LF 1/2" ASTM A106 Carbon Steel Pipe, Schedule 40.....	5.18	2.59
For Schedule 80, Add		0.45
For Schedule 160, Add		1.89
23 21 13 23-0976 LF 3/4" ASTM A106 Carbon Steel Pipe, Schedule 40.....	5.71	2.78
For Schedule 80, Add		0.55
For Schedule 160, Add		2.31
23 21 13 23-0977 LF 1" ASTM A106 Carbon Steel Pipe, Schedule 40.....	6.12	3.05
For Schedule 80, Add		0.57
For Schedule 160, Add		2.39
23 21 13 23-0978 LF 1-1/2" ASTM A106 Carbon Steel Pipe, Schedule 40.....	7.97	3.75
For Schedule 80, Add		0.84
For Schedule 160, Add		3.51
23 21 13 23-0979 LF 2" ASTM A106 Carbon Steel Pipe, Schedule 40.....	9.90	4.54
For Schedule 80, Add		1.11
For Schedule 160, Add		4.62
23 21 13 23-0980 90 Degree Elbows, Screwed Carbon Steel (23 21 13 23-0972)		
23 21 13 23-0981 EA 1/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	17.98	9.84
23 21 13 23-0982 EA 1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	21.68	11.53
23 21 13 23-0983 EA 3/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	24.23	12.89
23 21 13 23-0984 EA 1" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	27.76	14.38
23 21 13 23-0985 EA 1-1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	43.50	18.39
23 21 13 23-0986 EA 2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	55.13	23.38
23 21 13 23-0987 EA 1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	19.00	9.84
23 21 13 23-0988 EA 1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	22.07	11.53
23 21 13 23-0989 EA 3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	25.50	12.89
23 21 13 23-0990 EA 1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	30.52	14.38
23 21 13 23-0991 EA 1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	50.09	18.39
23 21 13 23-0992 EA 2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	62.41	23.38
23 21 13 23-0993 EA 1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	25.65	11.53
23 21 13 23-0994 EA 3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	30.01	12.89
23 21 13 23-0995 EA 1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	35.26	14.38
23 21 13 23-0996 EA 1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	63.41	18.39
23 21 13 23-0997 EA 2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	97.73	23.38
23 21 13 23-0998 45 Degree Elbows, Screwed Carbon Steel (23 21 13 23-0972)		
23 21 13 23-0999 EA 1/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	20.13	9.84
23 21 13 23-1000 EA 1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	22.51	11.53
23 21 13 23-1001 EA 3/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	25.30	12.89
23 21 13 23-1002 EA 1" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	28.58	14.38
23 21 13 23-1003 EA 1-1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	40.87	18.39
23 21 13 23-1004 EA 2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	59.19	23.38
23 21 13 23-1005 EA 1/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	20.30	9.84
23 21 13 23-1006 EA 1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	23.45	11.53
23 21 13 23-1007 EA 3/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	26.38	12.89

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1008	EA	1" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	31.39	14.38
23 21	13 23-1009	EA	1-1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	49.07	18.39
23 21	13 23-1010	EA	2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	64.68	23.38
23 21	13 23-1011	EA	1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	28.13	11.53
23 21	13 23-1012	EA	3/4" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	34.47	12.89
23 21	13 23-1013	EA	1" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	36.94	14.38
23 21	13 23-1014	EA	1-1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	72.91	18.39
23 21	13 23-1015	EA	2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	98.36	23.38
23 21 13 23-1016 Straight Tees, Screwed Carbon Steel (23 21 13 23-0972)					
23 21	13 23-1017	EA	1/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	23.96	13.66
23 21	13 23-1018	EA	1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	27.31	14.38
23 21	13 23-1019	EA	3/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	32.71	16.65
23 21	13 23-1020	EA	1" Tee, Straight, 2,000 LB, Screwed Carbon Steel	40.10	19.62
23 21	13 23-1021	EA	1-1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	64.21	27.85
23 21	13 23-1022	EA	2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	79.61	34.59
23 21	13 23-1023	EA	1/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	24.84	13.66
23 21	13 23-1024	EA	1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	27.88	14.38
23 21	13 23-1025	EA	3/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	34.62	16.65
23 21	13 23-1026	EA	1" Tee, Straight, 3,000 LB, Screwed Carbon Steel	41.74	19.62
23 21	13 23-1027	EA	1-1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	69.86	27.85
23 21	13 23-1028	EA	2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	88.96	34.59
23 21	13 23-1029	EA	1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	32.18	14.38
23 21	13 23-1030	EA	3/4" Tee, Straight, 6,000 LB, Screwed Carbon Steel	39.23	16.65
23 21	13 23-1031	EA	1" Tee, Straight, 6,000 LB, Screwed Carbon Steel	53.16	19.62
23 21	13 23-1032	EA	1-1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	82.83	27.85
23 21	13 23-1033	EA	2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	130.32	34.59
23 21 13 23-1034 Straight Couplings, Screwed Carbon Steel (23 21 13 23-0972)					
23 21	13 23-1035	EA	1/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	16.67	9.84
23 21	13 23-1036	EA	1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	19.05	11.53
23 21	13 23-1037	EA	3/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	21.79	12.89
23 21	13 23-1038	EA	1" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	25.29	14.38
23 21	13 23-1039	EA	1-1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	36.86	18.39
23 21	13 23-1040	EA	2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	46.79	23.38
23 21	13 23-1041	EA	1/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	19.25	9.84
23 21	13 23-1042	EA	1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	20.69	11.53
23 21	13 23-1043	EA	3/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	23.04	12.89
23 21	13 23-1044	EA	1" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	26.96	14.38
23 21	13 23-1045	EA	1-1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	39.42	18.39
23 21	13 23-1046	EA	2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	56.11	23.38
23 21 13 23-1047 Reducing Couplings, Screwed Carbon Steel (23 21 13 23-0972)					
23 21	13 23-1048	EA	1/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	17.03	10.49
23 21	13 23-1049	EA	1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	19.90	11.53
23 21	13 23-1050	EA	3/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	23.08	12.89
23 21	13 23-1051	EA	1" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	27.08	14.38
23 21	13 23-1052	EA	1-1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	37.33	18.39
23 21	13 23-1053	EA	2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	49.30	23.38
23 21	13 23-1054	EA	1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	52.92	11.53
23 21	13 23-1055	EA	3/4" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	54.98	12.89
23 21	13 23-1056	EA	1" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	64.27	14.38
23 21	13 23-1057	EA	1-1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	92.34	18.39
23 21	13 23-1058	EA	2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	132.56	23.38
23 21 13 23-1059 Caps, Screwed Carbon Steel (23 21 13 23-0972)					
23 21	13 23-1060	EA	1/4" Cap, 3,000 LB, Screwed Carbon Steel	5.12	2.40
23 21	13 23-1061	EA	1/2" Cap, 3,000 LB, Screwed Carbon Steel	5.68	2.72
23 21	13 23-1062	EA	3/4" Cap, 3,000 LB, Screwed Carbon Steel	6.93	3.11
23 21	13 23-1063	EA	1" Cap, 3,000 LB, Screwed Carbon Steel	8.92	3.63
23 21	13 23-1064	EA	1-1/2" Cap, 3,000 LB, Screwed Carbon Steel	12.11	4.34
23 21	13 23-1065	EA	2" Cap, 3,000 LB, Screwed Carbon Steel	16.88	5.37
23 21	13 23-1066	EA	1/4" Cap, 6,000 LB, Screwed Carbon Steel	8.21	2.40
23 21	13 23-1067	EA	1/2" Cap, 6,000 LB, Screwed Carbon Steel	7.67	2.72
23 21	13 23-1068	EA	3/4" Cap, 6,000 LB, Screwed Carbon Steel	10.16	3.11
23 21	13 23-1069	EA	1" Cap, 6,000 LB, Screwed Carbon Steel	11.28	3.63
23 21	13 23-1070	EA	1-1/2" Cap, 6,000 LB, Screwed Carbon Steel	21.73	4.34
23 21	13 23-1071	EA	2" Cap, 6,000 LB, Screwed Carbon Steel	26.24	5.37
23 21 13 23-1072 Nipples, Screwed Carbon Steel (23 21 13 23-0972)					
23 21	13 23-1073	EA	1/4" Nipple, 2" Long, Screwed Carbon Steel	10.25	5.89
23 21	13 23-1074	EA	1/2" Nipple, 2" Long, Screwed Carbon Steel	10.42	6.15
23 21	13 23-1075	EA	3/4" Nipple, 2" Long, Screwed Carbon Steel	10.35	6.15
23 21	13 23-1076	EA	1" Nipple, 2" Long, Screwed Carbon Steel	11.53	6.68
23 21	13 23-1077	EA	1-1/2" Nipple, 2" Long, Screwed Carbon Steel	13.15	7.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1078 EA 2" Nipple, 2" Long, Screwed Carbon Steel	15.71	9.26
23 21 13 23-1079 EA 1/4" Nipple, 4" Long, Screwed Carbon Steel	10.84	5.89
23 21 13 23-1080 EA 1/2" Nipple, 4" Long, Screwed Carbon Steel	10.89	6.15
23 21 13 23-1081 EA 3/4" Nipple, 4" Long, Screwed Carbon Steel	10.88	6.15
23 21 13 23-1082 EA 1" Nipple, 4" Long, Screwed Carbon Steel	12.24	6.68
23 21 13 23-1083 EA 1-1/2" Nipple, 4" Long, Screwed Carbon Steel	14.43	7.19
23 21 13 23-1084 EA 2" Nipple, 4" Long, Screwed Carbon Steel	17.58	9.26
23 21 13 23-1085 EA 1/4" Nipple, 6" Long, Screwed Carbon Steel	12.26	5.89
23 21 13 23-1086 EA 1/2" Nipple, 6" Long, Screwed Carbon Steel	11.64	6.15
23 21 13 23-1087 EA 3/4" Nipple, 6" Long, Screwed Carbon Steel	11.71	6.15
23 21 13 23-1088 EA 1" Nipple, 6" Long, Screwed Carbon Steel	13.27	6.68
23 21 13 23-1089 EA 1-1/2" Nipple, 6" Long, Screwed Carbon Steel	16.17	7.19
23 21 13 23-1090 EA 2" Nipple, 6" Long, Screwed Carbon Steel	19.12	9.26
23 21 13 23-1091 Unions, Screwed Carbon Steel <small>(23 21 13 23-0972)</small>		
23 21 13 23-1092 EA 1/4" Union, 3,000 LB, Screwed Carbon Steel	21.52	14.31
23 21 13 23-1093 EA 1/2" Union, 3,000 LB, Screwed Carbon Steel	22.60	14.38
23 21 13 23-1094 EA 3/4" Union, 3,000 LB, Screwed Carbon Steel	25.95	16.65
23 21 13 23-1095 EA 1" Union, 3,000 LB, Screwed Carbon Steel	30.96	19.62
23 21 13 23-1096 EA 1-1/2" Union, 3,000 LB, Screwed Carbon Steel	44.33	27.85
23 21 13 23-1097 EA 2" Union, 3,000 LB, Screwed Carbon Steel	55.04	34.59
23 21 13 23-1098 EA 1/4" Union, 6,000 LB, Screwed Carbon Steel	35.22	14.31
23 21 13 23-1099 EA 1/2" Union, 6,000 LB, Screwed Carbon Steel	39.16	14.38
23 21 13 23-1100 EA 3/4" Union, 6,000 LB, Screwed Carbon Steel	46.00	16.65
23 21 13 23-1101 EA 1" Union, 6,000 LB, Screwed Carbon Steel	55.67	19.62
23 21 13 23-1102 EA 1-1/2" Union, 6,000 LB, Screwed Carbon Steel	94.87	27.85
23 21 13 23-1103 EA 2" Union, 6,000 LB, Screwed Carbon Steel	117.23	34.59
23 21 13 23-1104 Weld Neck Flanges, Screwed Carbon Steel <small>(23 21 13 23-0972)</small>		
23 21 13 23-1105 EA 1/2" Flange, 150 LB, Screwed Carbon Steel	47.42	26.74
23 21 13 23-1106 EA 3/4" Flange, 150 LB, Screwed Carbon Steel	49.60	28.04
23 21 13 23-1107 EA 1" Flange, 150 LB, Screwed Carbon Steel	51.43	29.27
23 21 13 23-1108 EA 1-1/2" Flange, 150 LB, Screwed Carbon Steel	57.22	32.97
23 21 13 23-1109 EA 2" Flange, 150 LB, Screwed Carbon Steel	59.38	34.39
23 21 13 23-1110 EA 1/2" Flange, 300 LB, Screwed Carbon Steel	47.88	26.74
For Ring Type Joint, Add	7.75	
For Blind Flange, Deduct	-17.60	
23 21 13 23-1111 EA 3/4" Flange, 300 LB, Screwed Carbon Steel	50.09	28.04
For Ring Type Joint, Add	8.01	
For Blind Flange, Deduct	-18.43	
23 21 13 23-1112 EA 1" Flange, 300 LB, Screwed Carbon Steel	52.17	29.27
For Ring Type Joint, Add	8.26	
For Blind Flange, Deduct	-19.22	
23 21 13 23-1113 EA 1-1/2" Flange, 300 LB, Screwed Carbon Steel	59.00	32.97
For Ring Type Joint, Add	9.56	
For Blind Flange, Deduct	-21.69	
23 21 13 23-1114 EA 2" Flange, 300 LB, Screwed Carbon Steel	61.16	34.39
For Ring Type Joint, Add	9.56	
For Blind Flange, Deduct	-22.55	
23 21 13 23-1115 EA 1/2" Flange, 600 LB, Screwed Carbon Steel	50.92	26.74
For Ring Type Joint, Add	10.79	
For Blind Flange, Deduct	-18.21	
23 21 13 23-1116 EA 3/4" Flange, 600 LB, Screwed Carbon Steel	52.87	28.04
For Ring Type Joint, Add	10.79	
For Blind Flange, Deduct	-18.99	
23 21 13 23-1117 EA 1" Flange, 600 LB, Screwed Carbon Steel	55.20	29.27
For Ring Type Joint, Add	11.29	
For Blind Flange, Deduct	-19.82	
23 21 13 23-1118 EA 1-1/2" Flange, 600 LB, Screwed Carbon Steel	62.74	32.97
For Ring Type Joint, Add	13.30	
For Blind Flange, Deduct	-22.44	
23 21 13 23-1119 EA 2" Flange, 600 LB, Screwed Carbon Steel	63.98	34.39
For Ring Type Joint, Add	12.38	
For Blind Flange, Deduct	-23.12	
23 21 13 23-1120 Square Head Plugs, Screwed Carbon Steel <small>(23 21 13 23-0972)</small>		
23 21 13 23-1121 EA 1/4" Square Head Plug, Screwed Carbon Steel	3.40	1.82
23 21 13 23-1122 EA 1/2" Square Head Plug, Screwed Carbon Steel	4.07	2.14
23 21 13 23-1123 EA 3/4" Square Head Plug, Screwed Carbon Steel	4.72	2.46
23 21 13 23-1124 EA 1" Square Head Plug, Screwed Carbon Steel	6.87	3.63
23 21 13 23-1125 EA 1-1/2" Square Head Plug, Screwed Carbon Steel	8.67	3.63
23 21 13 23-1126 EA 2" Square Head Plug, Screwed Carbon Steel	12.48	4.73
23 21 13 23-1127 Hex Head Plugs, Screwed Carbon Steel <small>(23 21 13 23-0972)</small>		
23 21 13 23-1128 EA 1/4" Hex Head Plug, Screwed Carbon Steel	3.22	1.82
23 21 13 23-1129 EA 1/2" Hex Head Plug, Screwed Carbon Steel	3.90	2.14
23 21 13 23-1130 EA 3/4" Hex Head Plug, Screwed Carbon Steel	4.61	2.46
23 21 13 23-1131 EA 1" Hex Head Plug, Screwed Carbon Steel	6.77	3.63

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1132 EA 1-1/2" Hex Head Plug, Screwed Carbon Steel.....	8.27	3.63
23 21 13 23-1133 EA 2" Hex Head Plug, Screwed Carbon Steel.....	12.77	4.73
23 21 13 23-1134 Round Head Plugs, Screwed Carbon Steel (23 21 13 23-0972)		
23 21 13 23-1135 EA 1/4" Round Head Plug, Screwed Carbon Steel.....	3.80	1.82
23 21 13 23-1136 EA 1/2" Round Head Plug, Screwed Carbon Steel.....	4.09	2.14
23 21 13 23-1137 EA 3/4" Round Head Plug, Screwed Carbon Steel.....	4.64	2.46
23 21 13 23-1138 EA 1" Round Head Plug, Screwed Carbon Steel.....	6.93	3.63
23 21 13 23-1139 EA 1-1/2" Round Head Plug, Screwed Carbon Steel.....	9.16	3.63
23 21 13 23-1140 EA 2" Round Head Plug, Screwed Carbon Steel.....	12.66	4.73
23 21 13 23-1141 Hexagon Bushings, Screwed Carbon Steel (23 21 13 23-0972)		
23 21 13 23-1142 EA 1/4" Hex Bushing, Screwed Carbon Steel.....	3.35	1.82
23 21 13 23-1143 EA 1/2" Hex Bushing, Screwed Carbon Steel.....	3.89	2.14
23 21 13 23-1144 EA 3/4" Hex Bushing, Screwed Carbon Steel.....	4.56	2.46
23 21 13 23-1145 EA 1" Hex Bushing, Screwed Carbon Steel.....	6.90	3.63
23 21 13 23-1146 EA 1-1/2" Hex Bushing, Screwed Carbon Steel.....	8.24	3.63
23 21 13 23-1147 EA 2" Hex Bushing, Screwed Carbon Steel.....	12.35	4.73
23 21 13 23-1148 90 Degree Street Elbows, Screwed Carbon Steel (23 21 13 23-0972)		
23 21 13 23-1149 EA 1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	21.25	9.84
23 21 13 23-1150 EA 1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	24.26	11.53
23 21 13 23-1151 EA 3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	28.31	12.89
23 21 13 23-1152 EA 1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	33.08	14.38
23 21 13 23-1153 EA 1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	52.15	18.39
23 21 13 23-1154 EA 2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	70.13	23.38
23 21 13 23-1155 EA 1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	33.62	11.53
23 21 13 23-1156 EA 3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	47.35	12.89
23 21 13 23-1157 EA 1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	64.93	14.38
23 21 13 23-1158 EA 1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	139.76	18.39
23 21 13 23-1159 Screwed Carbon Steel Laterals (23 21 13 23-0972)		
23 21 13 23-1160 EA 1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	86.07	14.38
23 21 13 23-1161 EA 3/4" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	103.40	16.65
23 21 13 23-1162 EA 1" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	126.44	19.62
23 21 13 23-1163 EA 1-1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	162.89	27.85
23 21 13 23-1164 EA 2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	203.20	34.59
23 21 13 23-1165 EA 1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	107.93	14.38
23 21 13 23-1166 EA 3/4" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	135.92	16.65
23 21 13 23-1167 EA 1" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	161.21	19.62
23 21 13 23-1168 EA 1-1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	226.81	27.85
23 21 13 23-1169 Grooved-Joint Pipe (23 21 13 23)		
Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.		
23 21 13 23-1170 Schedule 10 Black Grooved Pipe (23 21 13 23-1169)		
23 21 13 23-1171 LF 2" Black Schedule 10 Grooved Pipe.....	15.91	8.23
23 21 13 23-1172 LF 2-1/2" Black Schedule 10 Grooved Pipe.....	21.60	11.27
23 21 13 23-1173 LF 3" Black Schedule 10 Grooved Pipe.....	24.15	12.50
23 21 13 23-1174 LF 3-1/2" Black Schedule 10 Grooved Pipe.....	26.38	12.95
23 21 13 23-1175 LF 4" Black Schedule 10 Grooved Pipe.....	28.16	14.06
23 21 13 23-1176 LF 5" Black Schedule 10 Grooved Pipe.....	38.28	17.22
23 21 13 23-1177 LF 6" Black Schedule 10 Grooved Pipe.....	50.64	24.48
23 21 13 23-1178 LF 8" Black Schedule 10 Grooved Pipe.....	65.80	27.46
23 21 13 23-1179 LF 10" Black Schedule 10 Grooved Pipe.....	81.75	33.10
23 21 13 23-1180 LF 12" Black Schedule 10 Grooved Pipe.....	93.93	37.50
23 21 13 23-1181 Schedule 40 Black Grooved Pipe (23 21 13 23-1169)		
23 21 13 23-1182 LF 3/4" Black Schedule 40 Grooved Pipe.....	9.57	4.99
23 21 13 23-1183 LF 1" Black Schedule 40 Grooved Pipe.....	10.81	5.64
23 21 13 23-1184 LF 1-1/4" Black Schedule 40 Grooved Pipe.....	12.13	6.09
23 21 13 23-1185 LF 1-1/2" Black Schedule 40 Grooved Pipe.....	13.80	6.93
23 21 13 23-1186 LF 2" Black Schedule 40 Grooved Pipe.....	17.45	8.80
23 21 13 23-1187 LF 2-1/2" Black Schedule 40 Grooved Pipe.....	24.17	12.05
23 21 13 23-1188 LF 3" Black Schedule 40 Grooved Pipe.....	28.24	13.73
23 21 13 23-1189 LF 4" Black Schedule 40 Grooved Pipe.....	33.76	15.29
23 21 13 23-1190 LF 5" Black Schedule 40 Grooved Pipe.....	45.08	18.59
23 21 13 23-1191 LF 6" Black Schedule 40 Grooved Pipe.....	61.66	26.81
23 21 13 23-1192 LF 8" Black Schedule 40 Grooved Pipe.....	78.94	30.37
23 21 13 23-1193 LF 10" Black Schedule 40 Grooved Pipe.....	105.62	36.27
23 21 13 23-1194 LF 12" Black Schedule 40 Grooved Pipe.....	123.81	41.65
23 21 13 23-1195 Schedule 80 Black Grooved Pipe (23 21 13 23-1169)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1196 LF 3/4" Black Schedule 80 Grooved Pipe.....	10.48	5.44
23 21 13 23-1197 LF 1" Black Schedule 80 Grooved Pipe.....	11.49	5.77
23 21 13 23-1198 LF 1-1/4" Black Schedule 80 Grooved Pipe.....	13.28	6.41
23 21 13 23-1199 LF 1-1/2" Black Schedule 80 Grooved Pipe.....	15.07	7.19
23 21 13 23-1200 LF 2" Black Schedule 80 Grooved Pipe.....	19.48	9.26
23 21 13 23-1201 LF 2-1/2" Black Schedule 80 Grooved Pipe.....	27.24	12.76
23 21 13 23-1202 LF 3" Black Schedule 80 Grooved Pipe.....	32.00	14.31
23 21 13 23-1203 LF 4" Black Schedule 80 Grooved Pipe.....	38.85	15.61
23 21 13 23-1204 LF 5" Black Schedule 80 Grooved Pipe.....	56.95	19.62
23 21 13 23-1205 LF 6" Black Schedule 80 Grooved Pipe.....	75.57	28.10
23 21 13 23-1206 LF 8" Black Schedule 80 Grooved Pipe.....	107.47	32.13
23 21 13 23-1207 LF 10" Black Schedule 80 Grooved Pipe.....	133.06	38.79
23 21 13 23-1208 LF 12" Black Schedule 80 Grooved Pipe.....	143.57	46.89
23 21 13 23-1209 Schedule 40 Galvanized Grooved Pipe (2321 13 23-1169)		
23 21 13 23-1210 LF 3/4" Galvanized Schedule 40 Grooved Pipe.....	10.26	4.99
23 21 13 23-1211 LF 1" Galvanized Schedule 40 Grooved Pipe.....	11.84	5.64
23 21 13 23-1212 LF 1-1/4" Galvanized Schedule 40 Grooved Pipe.....	13.14	6.09
23 21 13 23-1213 LF 1-1/2" Galvanized Schedule 40 Grooved Pipe.....	14.96	6.93
23 21 13 23-1214 LF 2" Galvanized Schedule 40 Grooved Pipe.....	18.93	8.80
23 21 13 23-1215 LF 2-1/2" Galvanized Schedule 40 Grooved Pipe.....	26.41	12.05
23 21 13 23-1216 LF 3" Galvanized Schedule 40 Grooved Pipe.....	31.16	13.73
23 21 13 23-1217 LF 4" Galvanized Schedule 40 Grooved Pipe.....	37.88	15.29
23 21 13 23-1218 LF 5" Galvanized Schedule 40 Grooved Pipe.....	52.23	18.59
23 21 13 23-1219 LF 6" Galvanized Schedule 40 Grooved Pipe.....	71.03	26.81
23 21 13 23-1220 LF 8" Galvanized Schedule 40 Grooved Pipe.....	92.55	30.37
23 21 13 23-1221 LF 10" Galvanized Schedule 40 Grooved Pipe.....	128.21	36.27
23 21 13 23-1222 LF 12" Galvanized Schedule 40 Grooved Pipe.....	151.03	41.65
23 21 13 23-1223 Schedule 80 Galvanized Grooved Pipe (2321 13 23-1169)		
23 21 13 23-1224 LF 3/4" Galvanized Schedule 80 Grooved Pipe.....	11.05	5.44
23 21 13 23-1225 LF 1" Galvanized Schedule 80 Grooved Pipe.....	13.95	5.77
23 21 13 23-1226 LF 1-1/4" Galvanized Schedule 80 Grooved Pipe.....	14.31	6.41
23 21 13 23-1227 LF 1-1/2" Galvanized Schedule 80 Grooved Pipe.....	18.47	7.64
23 21 13 23-1228 LF 2" Galvanized Schedule 80 Grooved Pipe.....	21.10	9.26
23 21 13 23-1229 LF 2-1/2" Galvanized Schedule 80 Grooved Pipe.....	29.72	12.76
23 21 13 23-1230 LF 3" Galvanized Schedule 80 Grooved Pipe.....	35.40	14.31
23 21 13 23-1231 LF 4" Galvanized Schedule 80 Grooved Pipe.....	43.74	15.61
23 21 13 23-1232 LF 5" Galvanized Schedule 80 Grooved Pipe.....	64.52	19.62
23 21 13 23-1233 LF 6" Galvanized Schedule 80 Grooved Pipe.....	84.53	28.10
23 21 13 23-1234 LF 8" Galvanized Schedule 80 Grooved Pipe.....	122.99	32.13
23 21 13 23-1235 LF 10" Galvanized Schedule 80 Grooved Pipe.....	146.56	38.79
23 21 13 23-1236 LF 12" Galvanized Schedule 80 Grooved Pipe.....	162.34	46.89
23 21 13 23-1237 Painted Grooved-Joint Pipe Fittings (23 21 13 23)		
Note: Couplings are not included with fittings.		
23 21 13 23-1238 Grooved Elbows (23 21 13 23-1237)		
23 21 13 23-1239 90 Degree Grooved Elbows (23 21 13 23-1238)		
Note: Victaulic No. 10		
23 21 13 23-1240 EA 3/4" 90 Degree Elbow, Ductile Iron, Grooved.....	45.75	7.06
For Galvanized Fittings, Add	11.61	
23 21 13 23-1241 EA 1" 90 Degree Elbow, Ductile Iron, Grooved.....	45.75	7.06
For Galvanized Fittings, Add	11.61	
23 21 13 23-1242 EA 1-1/4" 90 Degree Elbow, Ductile Iron, Grooved.....	48.40	8.80
For Galvanized Fittings, Add	11.61	
23 21 13 23-1243 EA 1-1/2" 90 degree Elbow, Ductile Iron, Grooved.....	51.20	10.69
For Galvanized Fittings, Add	11.61	
23 21 13 23-1244 EA 2" 90 Degree Elbow, Ductile Iron, Grooved.....	56.34	14.12
For Galvanized Fittings, Add	11.61	
23 21 13 23-1245 EA 2-1/2" 90 Degree Elbow, Ductile Iron, Grooved.....	60.96	17.22
For Galvanized Fittings, Add	11.61	
23 21 13 23-1246 EA 3" 90 Degree Elbow, Ductile Iron, Grooved.....	93.74	20.85
For Galvanized Fittings, Add	20.62	
23 21 13 23-1247 EA 4" 90 Degree Elbow, Ductile Iron, Grooved.....	109.31	27.53
For Galvanized Fittings, Add	22.46	
23 21 13 23-1248 EA 5" 90 Degree Elbow, Ductile Iron, Grooved.....	217.23	34.39
For Galvanized Fittings, Add	54.67	
23 21 13 23-1249 EA 6" 90 Degree Elbow, Ductile Iron, Grooved.....	259.99	45.02
For Galvanized Fittings, Add	63.53	
23 21 13 23-1250 EA 8" 90 Degree Elbow, Ductile Iron, Grooved.....	485.52	53.56
For Galvanized Fittings, Add	133.72	
23 21 13 23-1251 EA 10" 90 Degree Elbow, Ductile Iron, Grooved.....	725.03	62.50
For Galvanized Fittings, Add	208.34	
23 21 13 23-1252 EA 12" 90 Degree Elbow, Ductile Iron, Grooved.....	1,124.35	75.00
For Galvanized Fittings, Add	333.93	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1253			45 Degree Grooved Elbows (23 21 13 23-1238) Note: Victaulic No. 11		
23 21 13 23-1254	EA		3/4" 45 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	45.73 8.44	7.06
23 21 13 23-1255	EA		1" 45 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	45.73 8.44	7.06
23 21 13 23-1256	EA		1-1/4" 45 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	48.38 8.44	8.80
23 21 13 23-1257	EA		1-1/2" 45 degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	51.18 8.44	10.69
23 21 13 23-1258	EA		2" 45 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	56.32 8.44	14.12
23 21 13 23-1259	EA		2-1/2" 45 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	60.94 8.44	17.22
23 21 13 23-1260	EA		3" 45 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	93.71 14.99	20.85
23 21 13 23-1261	EA		4" 45 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	109.31 16.33	27.53
23 21 13 23-1262	EA		5" 45 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	217.23 39.76	34.39
23 21 13 23-1263	EA		6" 45 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	259.99 46.21	45.02
23 21 13 23-1264	EA		8" 45 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	485.52 97.25	53.56
23 21 13 23-1265	EA		10" 45 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	725.03 151.52	62.50
23 21 13 23-1266	EA		12" 45 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	1,124.35 242.86	75.00
23 21 13 23-1267			22-1/2 Degree Grooved Elbows (23 21 13 23-1238) Note: Victaulic No. 12		
23 21 13 23-1268	EA		1" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	48.04 8.99	7.06
23 21 13 23-1269	EA		1-1/4" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	50.69 8.99	8.80
23 21 13 23-1270	EA		1-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	53.49 8.99	10.69
23 21 13 23-1271	EA		2" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	58.63 8.99	14.12
23 21 13 23-1272	EA		2-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	63.25 8.99	17.22
23 21 13 23-1273	EA		3" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	86.04 13.15	20.85
23 21 13 23-1274	EA		4" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	114.72 17.63	27.53
23 21 13 23-1275	EA		5" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	279.40 54.68	34.39
23 21 13 23-1276	EA		6" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	275.60 49.95	45.02
23 21 13 23-1277	EA		8" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	515.81 104.52	53.56
23 21 13 23-1278	EA		10" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	691.60 143.50	62.50
23 21 13 23-1279	EA		12" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	920.74 193.99	75.00
23 21 13 23-1280			11-1/4 Degree Grooved Elbows (23 21 13 23-1238) Note: Victaulic No. 13		
23 21 13 23-1281	EA		1" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	48.04 8.99	7.06
23 21 13 23-1282	EA		1-1/4" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	50.69 8.99	8.80
23 21 13 23-1283	EA		1-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	53.49 8.99	10.69
23 21 13 23-1284	EA		2" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	58.63 8.99	14.12
23 21 13 23-1285	EA		2-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	63.25 8.99	17.22
23 21 13 23-1286	EA		3" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	86.04 13.15	20.85
23 21 13 23-1287	EA		4" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	114.72 17.63	27.53
23 21 13 23-1288	EA		5" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	279.39 54.68	34.39
23 21 13 23-1289	EA		6" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	275.59 49.95	45.02
23 21 13 23-1290	EA		8" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	515.79 104.52	53.56
23 21 13 23-1291	EA		10" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	691.56 143.49	62.50
23 21 13 23-1292	EA		12" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	920.70 193.98	75.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1293 90 Degree Grooved Long Radius Elbows <small>(23 21 13 23-1293)</small>		
<i>Note: Victaulic No. 100</i>		
23 21 13 23-1294 EA 2" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	101.58	14.12
<i>For Galvanized Fittings, Add</i>		
	19.30	
23 21 13 23-1295 EA 2-1/2" 90 Degree Long Radius Elbow, Steel, Grooved	259.12	17.22
<i>For Galvanized Fittings, Add</i>		
	56.00	
23 21 13 23-1296 EA 3" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	111.66	20.85
<i>For Galvanized Fittings, Add</i>		
	19.30	
23 21 13 23-1297 EA 4" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	161.71	27.53
<i>For Galvanized Fittings, Add</i>		
	28.91	
23 21 13 23-1298 EA 5" 90 Degree Long Radius Elbow, Steel Grooved	668.98	34.39
<i>For Galvanized Fittings, Add</i>		
	148.18	
23 21 13 23-1299 EA 6" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	419.85	45.02
<i>For Galvanized Fittings, Add</i>		
	84.57	
23 21 13 23-1300 EA 8" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	925.57	53.56
<i>For Galvanized Fittings, Add</i>		
	202.86	
23 21 13 23-1301 EA 10" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	1,846.28	62.50
<i>For Galvanized Fittings, Add</i>		
	420.62	
23 21 13 23-1302 EA 12" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	2,202.39	75.00
<i>For Galvanized Fittings, Add</i>		
	501.59	
23 21 13 23-1303 Grooved Tees, Wyes And Crosses <small>(23 21 13 23-1303)</small>		
23 21 13 23-1304 Grooved Tees <small>(23 21 13 23-1304)</small>		
<i>Note: Victaulic No. 20</i>		
23 21 13 23-1305 EA 3/4" Tee, Ductile Iron, Grooved	67.68	9.26
<i>For Galvanized Fittings, Add</i>		
	16.13	
23 21 13 23-1306 EA 1" Tee, Ductile Iron, Grooved	69.78	10.69
<i>For Galvanized Fittings, Add</i>		
	16.13	
23 21 13 23-1307 EA 1-1/4" Tee, Ductile Iron, Grooved	73.34	13.08
<i>For Galvanized Fittings, Add</i>		
	16.13	
23 21 13 23-1308 EA 1-1/2" Tee, Ductile Iron, Grooved	77.80	16.06
<i>For Galvanized Fittings, Add</i>		
	16.13	
23 21 13 23-1309 EA 2" Tee, Ductile Iron, Grooved	84.88	20.79
<i>For Galvanized Fittings, Add</i>		
	16.13	
23 21 13 23-1310 EA 2-1/2" Tee, Ductile Iron, Grooved	91.95	25.45
<i>For Galvanized Fittings, Add</i>		
	16.13	
23 21 13 23-1311 EA 3" Tee, Ductile Iron, Grooved	122.17	31.28
<i>For Galvanized Fittings, Add</i>		
	22.59	
23 21 13 23-1312 EA 4" Tee, Ductile Iron, Grooved	176.16	40.48
<i>For Galvanized Fittings, Add</i>		
	34.65	
23 21 13 23-1313 EA 5" Tee, Ductile Iron, Grooved	350.29	52.91
<i>For Galvanized Fittings, Add</i>		
	81.29	
23 21 13 23-1314 EA 6" Tee, Ductile Iron, Grooved	412.37	66.19
<i>For Galvanized Fittings, Add</i>		
	93.95	
23 21 13 23-1315 EA 8" Tee, Ductile Iron, Grooved	804.53	80.37
<i>For Galvanized Fittings, Add</i>		
	205.22	
23 21 13 23-1316 EA 10" Tee, Ductile Iron, Grooved	1,362.09	93.71
<i>For Galvanized Fittings, Add</i>		
	366.46	
23 21 13 23-1317 EA 12" Tee, Ductile Iron, Grooved	1,878.82	112.50
<i>For Galvanized Fittings, Add</i>		
	513.05	
23 21 13 23-1318 Grooved Wyes (90 Degree True Wye) <small>(23 21 13 23-1303)</small>		
<i>Note: Victaulic No. 33</i>		
23 21 13 23-1319 EA 1" Wye, Steel, Grooved	242.81	10.69
<i>For Galvanized Fittings, Add</i>		
	36.28	
23 21 13 23-1320 EA 1-1/4" Wye, Steel, Grooved	246.37	13.08
<i>For Galvanized Fittings, Add</i>		
	36.28	
23 21 13 23-1321 EA 1-1/2" Wye, Steel, Grooved	250.83	16.06
<i>For Galvanized Fittings, Add</i>		
	36.28	
23 21 13 23-1322 EA 2" Wye, Steel, Grooved	257.91	20.79
<i>For Galvanized Fittings, Add</i>		
	36.28	
23 21 13 23-1323 EA 2-1/2" Wye, Steel, Grooved	264.98	25.45
<i>For Galvanized Fittings, Add</i>		
	36.28	
23 21 13 23-1324 EA 3" Wye, Steel, Grooved	317.96	31.28
<i>For Galvanized Fittings, Add</i>		
	43.37	
23 21 13 23-1325 EA 4" Wye, Steel, Grooved	415.73	40.48
<i>For Galvanized Fittings, Add</i>		
	56.81	
23 21 13 23-1326 EA 5" Wye, Steel, Grooved	588.26	52.91
<i>For Galvanized Fittings, Add</i>		
	81.43	
23 21 13 23-1327 EA 6" Wye, Steel, Grooved	728.90	66.19
<i>For Galvanized Fittings, Add</i>		
	100.75	
23 21 13 23-1328 EA 8" Wye, Steel, Grooved	1,027.40	80.37
<i>For Galvanized Fittings, Add</i>		
	145.11	
23 21 13 23-1329 EA 10" Wye, Steel, Grooved	1,705.90	93.71
<i>For Galvanized Fittings, Add</i>		
	250.46	
23 21 13 23-1330 EA 12" Wye, Steel, Grooved	1,898.00	112.50
<i>For Galvanized Fittings, Add</i>		
	276.69	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1331 Grooved Reducing Tees (23 21 13 23-1303) Note: Victaulic No. 25		
23 21 13 23-1332 EA 1" Reducing Tee, Steel, Grooved	119.74	10.69
For Galvanized Fittings, Add	20.74	
23 21 13 23-1333 EA 1-1/4" Reducing Tee, Steel, Grooved	126.55	13.08
For Galvanized Fittings, Add	21.39	
23 21 13 23-1334 EA 1-1/2" Reducing Tee, Steel, Grooved	133.68	16.06
For Galvanized Fittings, Add	21.93	
23 21 13 23-1335 EA 2" Reducing Tee, Steel, Grooved	159.47	20.79
For Galvanized Fittings, Add	25.67	
23 21 13 23-1336 EA 2-1/2" Reducing Tee, Steel, Grooved	179.75	25.45
For Galvanized Fittings, Add	28.31	
23 21 13 23-1337 EA 3" Reducing Tee, Steel, Grooved	201.82	31.28
For Galvanized Fittings, Add	30.99	
23 21 13 23-1338 EA 4" Reducing Tee, Steel, Grooved	269.62	40.48
For Galvanized Fittings, Add	41.79	
23 21 13 23-1339 EA 5" Reducing Tee, Steel, Grooved	355.23	52.91
For Galvanized Fittings, Add	55.18	
23 21 13 23-1340 EA 6" Reducing Tee, Steel, Grooved	487.34	66.19
For Galvanized Fittings, Add	77.63	
23 21 13 23-1341 EA 8" Reducing Tee, Steel, Grooved	760.88	80.37
For Galvanized Fittings, Add	128.08	
23 21 13 23-1342 EA 10" Reducing Tee, Steel, Grooved	1,084.65	93.71
For Galvanized Fittings, Add	188.82	
23 21 13 23-1343 EA 12" Reducing Tee, Steel, Grooved	1,561.36	112.50
For Galvanized Fittings, Add	278.54	
23 21 13 23-1344 Grooved 45 Degree Lateral Wyes (23 21 13 23-1303) Note: Victaulic No. 30		
23 21 13 23-1345 EA 3/4" 45 Degree Lateral Wye, Steel, Grooved	228.69	9.26
For Galvanized Fittings, Add	38.66	
23 21 13 23-1346 EA 1" 45 Degree Lateral Wye, Steel, Grooved	230.79	10.69
For Galvanized Fittings, Add	38.66	
23 21 13 23-1347 EA 1-1/4" 45 Degree Lateral Wye, Steel, Grooved	234.35	13.08
For Galvanized Fittings, Add	38.66	
23 21 13 23-1348 EA 1-1/2" 45 Degree Lateral Wye, Steel, Grooved	238.81	16.06
For Galvanized Fittings, Add	38.66	
23 21 13 23-1349 EA 2" 45 Degree Lateral Wye, Steel, Grooved	245.89	20.79
For Galvanized Fittings, Add	38.66	
23 21 13 23-1350 EA 2-1/2" Wye, 45 Degree Lateral, Steel, Grooved	252.96	25.45
For Galvanized Fittings, Add	38.66	
23 21 13 23-1351 EA 3" Wye, 45 Degree Lateral, Steel, Grooved	232.41	31.28
For Galvanized Fittings, Add	33.40	
23 21 13 23-1352 EA 3-1/2" Wye, 45 Degree Lateral, Steel, Grooved	368.38	36.07
For Galvanized Fittings, Add	56.58	
23 21 13 23-1353 EA 4" 45 Degree Lateral Wye, Steel, Grooved	426.57	40.48
For Galvanized Fittings, Add	65.86	
23 21 13 23-1354 EA 5" 45 Degree Lateral Wye, Steel, Grooved	614.08	52.91
For Galvanized Fittings, Add	96.26	
23 21 13 23-1355 EA 6" 45 Degree Lateral Wye, Steel, Grooved	960.78	66.19
For Galvanized Fittings, Add	155.08	
23 21 13 23-1356 EA 8" 45 Degree Lateral Wye, Steel, Grooved	1,361.45	80.37
For Galvanized Fittings, Add	223.38	
23 21 13 23-1357 EA 10" 45 Degree Lateral Wye, Steel, Grooved	1,892.16	93.71
For Galvanized Fittings, Add	315.29	
23 21 13 23-1358 EA 12" 45 Degree Lateral Wye, Steel, Grooved	2,286.44	112.50
For Galvanized Fittings, Add	381.20	
23 21 13 23-1359 Grooved 45 Degree Lateral Reducing Wyes (23 21 13 23-1303) Note: Victaulic No. 30R		
23 21 13 23-1360 EA 3" 45 Degree Lateral Reducing Wye, Steel, Grooved	232.41	31.28
For Galvanized Fittings, Add	24.12	
23 21 13 23-1361 EA 4" 45 Degree Lateral Reducing Wye, Steel, Grooved	426.57	40.48
For Galvanized Fittings, Add	47.57	
23 21 13 23-1362 EA 5" 45 Degree Lateral Reducing Wye, Steel, Grooved	614.08	52.91
For Galvanized Fittings, Add	69.52	
23 21 13 23-1363 EA 6" 45 Degree Lateral Reducing Wye, Steel, Grooved	790.10	66.19
For Galvanized Fittings, Add	89.82	
23 21 13 23-1364 EA 8" 45 Degree Lateral Reducing Wye, Steel, Grooved	1,117.84	80.37
For Galvanized Fittings, Add	129.66	
23 21 13 23-1365 EA 10" 45 Degree Lateral Reducing Wye, Steel, Grooved	1,362.04	93.71
For Galvanized Fittings, Add	158.79	
23 21 13 23-1366 EA 12" 45 Degree Lateral Reducing Wye, Steel, Grooved	1,653.07	112.50
For Galvanized Fittings, Add	192.97	
23 21 13 23-1367 Mechanical-T Outlet (23 21 13 23-1303) Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.		
23 21 13 23-1368 EA 2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	82.35	23.31
For Galvanized Fittings, Add	8.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1369 EA 2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	82.35	23.31
For Galvanized Fittings, Add	8.86	
23 21 13 23-1370 EA 2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	87.92	23.31
For Galvanized Fittings, Add	10.24	
23 21 13 23-1371 EA 2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	87.92	23.31
23 21 13 23-1372 EA 2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	88.18	26.23
23 21 13 23-1373 EA 2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	88.18	26.23
23 21 13 23-1374 EA 2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	102.89	26.23
23 21 13 23-1375 EA 3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	99.42	29.14
23 21 13 23-1376 EA 3" x 1" Mechanical-T Outlet With Threaded Branch Outlet	99.42	29.14
23 21 13 23-1377 EA 3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	111.27	29.14
23 21 13 23-1378 EA 3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	111.27	29.14
23 21 13 23-1379 EA 3" x 2" Mechanical-T Outlet With Threaded Branch Outlet	119.38	29.14
23 21 13 23-1380 EA 4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	130.16	38.85
23 21 13 23-1381 EA 4" x 1" Mechanical-T Outlet With Threaded Branch Outlet	130.16	38.85
23 21 13 23-1382 EA 4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	139.41	38.85
23 21 13 23-1383 EA 4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	142.01	38.85
23 21 13 23-1384 EA 4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	142.01	38.85
23 21 13 23-1385 EA 4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	144.60	38.85
23 21 13 23-1386 EA 4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	149.58	38.85
23 21 13 23-1387 EA 5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	185.81	53.43
23 21 13 23-1388 EA 5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	185.81	53.43
23 21 13 23-1389 EA 5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	190.30	53.43
23 21 13 23-1390 EA 5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	195.93	53.43
23 21 13 23-1391 EA 6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	216.79	68.01
23 21 13 23-1392 EA 6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	216.79	68.01
23 21 13 23-1393 EA 6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	223.39	68.01
23 21 13 23-1394 EA 6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	228.97	68.01
23 21 13 23-1395 EA 6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	238.87	68.01
23 21 13 23-1396 EA 8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	323.01	90.02
23 21 13 23-1397 EA 8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	323.01	90.02
23 21 13 23-1398 EA 8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	330.96	90.02
23 21 13 23-1399 EA 8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	335.67	90.02
23 21 13 23-1400 Installation-Ready™ Grooved Fittings <small>(23 21 13 23-1237)</small>		
23 21 13 23-1401 Installation-Ready™ 90 Degree Grooved Elbows <small>(23 21 13 23-1400)</small>		
Note: Victaulic No. 101		
23 21 13 23-1402 EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	132.11	6.41
For Galvanized Fittings, Add	40.39	
For Galvanized Fittings, Add	31.33	
23 21 13 23-1403 EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	137.66	7.69
For Galvanized Fittings, Add	41.58	
For Galvanized Fittings, Add	32.26	
23 21 13 23-1404 EA 2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	142.44	10.26
For Galvanized Fittings, Add	41.88	
For Galvanized Fittings, Add	32.49	
23 21 13 23-1405 EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	172.43	12.83
For Galvanized Fittings, Add	50.49	
For Galvanized Fittings, Add	39.17	
23 21 13 23-1406 Installation-Ready™ 45 Degree Grooved Elbows <small>(23 21 13 23-1400)</small>		
Note: Victaulic No. 103		
23 21 13 23-1407 EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	132.11	6.41
For Galvanized Fittings, Add	29.38	
For Galvanized Fittings, Add	31.33	
23 21 13 23-1408 EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	137.66	7.69
For Galvanized Fittings, Add	30.24	
For Galvanized Fittings, Add	32.26	
23 21 13 23-1409 EA 2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	142.44	10.26
For Galvanized Fittings, Add	30.46	
For Galvanized Fittings, Add	32.49	
23 21 13 23-1410 EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	172.43	12.83
For Galvanized Fittings, Add	36.72	
For Galvanized Fittings, Add	39.17	
23 21 13 23-1411 Installation-Ready™ Grooved Tees <small>(23 21 13 23-1400)</small>		
Note: Victaulic No. 102		
23 21 13 23-1412 EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee	201.95	8.55
For Galvanized Fittings, Add	56.70	
For Galvanized Fittings, Add	48.38	
23 21 13 23-1413 EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	210.84	10.26
For Galvanized Fittings, Add	58.59	
For Galvanized Fittings, Add	50.00	
23 21 13 23-1414 EA 2" Ductile Iron, Grooved, Installation-Ready™ Tee	218.72	13.67
For Galvanized Fittings, Add	59.40	
For Galvanized Fittings, Add	50.69	
23 21 13 23-1415 EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	254.51	17.10
For Galvanized Fittings, Add	68.58	
For Galvanized Fittings, Add	58.52	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1416			Grooved Fittings (23 21 13 23-1237)		
23 21 13 23-1417			Flanged Adapter Nipple, Grooved (23 21 13 23-1416)		
			Note: Victaulic No. 41 and 45		
23 21 13 23-1418	EA		1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	162.80	7.77
			For Galvanized Fittings, Add	27.21	
			For 300 LB Rating, Add	22.67	
23 21 13 23-1419	EA		1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	164.10	8.61
			For Galvanized Fittings, Add	27.21	
			For 300 LB Rating, Add	22.67	
23 21 13 23-1420	EA		1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	167.34	10.82
			For Galvanized Fittings, Add	27.21	
			For 300 LB Rating, Add	22.67	
23 21 13 23-1421	EA		2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	174.14	15.35
			For Galvanized Fittings, Add	27.21	
			For 300 LB Rating, Add	22.67	
23 21 13 23-1422	EA		2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	179.01	18.59
			For Galvanized Fittings, Add	27.21	
			For 300 LB Rating, Add	22.67	
23 21 13 23-1423	EA		3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	226.66	22.22
			For Galvanized Fittings, Add	34.81	
			For 300 LB Rating, Add	29.01	
23 21 13 23-1424	EA		4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	275.47	29.92
			For Galvanized Fittings, Add	41.52	
			For 300 LB Rating, Add	34.60	
23 21 13 23-1425	EA		5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	383.84	36.20
			For Galvanized Fittings, Add	59.32	
			For 300 LB Rating, Add	49.44	
23 21 13 23-1426	EA		6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	449.35	48.90
			For Galvanized Fittings, Add	67.68	
			For 300 LB Rating, Add	56.40	
23 21 13 23-1427	EA		8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	618.24	66.19
			For Galvanized Fittings, Add	93.43	
			For 300 LB Rating, Add	77.85	
23 21 13 23-1428	EA		10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	967.45	80.37
			For Galvanized Fittings, Add	152.46	
			For 300 LB Rating, Add	127.05	
23 21 13 23-1429	EA		12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	1,298.64	93.71
			For Galvanized Fittings, Add	208.46	
			For 300 LB Rating, Add	173.71	
23 21 13 23-1430			Grooved Concentric Reducers (23 21 13 23-1416)		
			Note: Victaulic No. 50		
23 21 13 23-1431	EA		1-1/4" x 3/4" Concentric Reducer, Grooved.....	172.86	7.77
			For Galvanized Fittings, Add	7.09	
23 21 13 23-1432	EA		1-1/4" x 1" Concentric Reducer, Grooved.....	180.77	8.23
			For Galvanized Fittings, Add	7.41	
23 21 13 23-1433	EA		1-1/2" x 3/4" Concentric Reducer, Grooved.....	203.55	8.87
			For Galvanized Fittings, Add	22.87	
23 21 13 23-1434	EA		1-1/2" x 1" Concentric Reducer, Grooved.....	54.68	9.26
			For Galvanized Fittings, Add	4.90	
23 21 13 23-1435	EA		1-1/2" x 1-1/4" Concentric Reducer, Grooved.....	172.28	9.71
			For Galvanized Fittings, Add	18.96	
23 21 13 23-1436	EA		2" x 3/4" Concentric Reducer, Grooved.....	56.62	10.56
			For Galvanized Fittings, Add	4.90	
23 21 13 23-1437	EA		2" x 1" Concentric Reducer, Grooved.....	57.27	11.01
			For Galvanized Fittings, Add	4.90	
23 21 13 23-1438	EA		2" x 1-1/4" Concentric Reducer, Grooved.....	62.00	11.47
			For Galvanized Fittings, Add	5.39	
23 21 13 23-1439	EA		2" x 1-1/2" Concentric Reducer, Grooved.....	59.89	12.76
			For Galvanized Fittings, Add	4.90	
23 21 13 23-1440	EA		2-1/2" x 3/4" Concentric Reducer, Grooved.....	349.48	11.92
			For Galvanized Fittings, Add	39.86	
23 21 13 23-1441	EA		2-1/2" x 1" Concentric Reducer, Grooved.....	278.63	12.37
			For Galvanized Fittings, Add	31.27	
23 21 13 23-1442	EA		2-1/2" x 1-1/4" Concentric Reducer, Grooved.....	254.62	12.76
			For Galvanized Fittings, Add	28.30	
23 21 13 23-1443	EA		2-1/2" x 1-1/2" Concentric Reducer, Grooved.....	61.80	14.06
			For Galvanized Fittings, Add	4.90	
23 21 13 23-1444	EA		2-1/2" x 2" Concentric Reducer, Grooved.....	64.39	15.74
			For Galvanized Fittings, Add	4.90	
23 21 13 23-1445	EA		3" x 3/4" Concentric Reducer, Grooved.....	354.52	13.86
			For Galvanized Fittings, Add	50.73	
23 21 13 23-1446	EA		3" x 1" Concentric Reducer, Grooved.....	66.35	14.25
			For Galvanized Fittings, Add	6.84	
23 21 13 23-1447	EA		3" x 1-1/4" Concentric Reducer, Grooved.....	280.52	14.70
			For Galvanized Fittings, Add	39.30	
23 21 13 23-1448	EA		3" x 1-1/2" Concentric Reducer, Grooved.....	263.86	15.74
			For Galvanized Fittings, Add	36.51	
23 21 13 23-1449	EA		3" x 2" Concentric Reducer, Grooved.....	61.97	17.49
			For Galvanized Fittings, Add	5.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1450 EA 3" x 2-1/2" Concentric Reducer, Grooved.....	80.50	20.85
For Galvanized Fittings, Add	7.49	
23 21 13 23-1451 EA 3-1/2" x 3" Concentric Reducer, Grooved.....	86.15	22.48
For Galvanized Fittings, Add	7.98	
23 21 13 23-1452 EA 4" x 1" Concentric Reducer, Grooved.....	80.64	17.68
For Galvanized Fittings, Add	9.28	
23 21 13 23-1453 EA 4" x 1-1/4" Concentric Reducer, Grooved.....	454.85	18.13
For Galvanized Fittings, Add	73.34	
23 21 13 23-1454 EA 4" x 1-1/2" Concentric Reducer, Grooved.....	355.75	19.23
For Galvanized Fittings, Add	56.07	
23 21 13 23-1455 EA 4" x 2" Concentric Reducer, Grooved.....	78.99	20.99
For Galvanized Fittings, Add	8.16	
23 21 13 23-1456 EA 4" x 2-1/2" Concentric Reducer, Grooved.....	93.32	22.48
For Galvanized Fittings, Add	10.23	
23 21 13 23-1457 EA 4" x 3" Concentric Reducer, Grooved.....	95.91	24.22
For Galvanized Fittings, Add	10.23	
23 21 13 23-1458 EA 4" x 3-1/2" Concentric Reducer, Grooved.....	98.50	25.91
For Galvanized Fittings, Add	10.23	
23 21 13 23-1459 EA 5" x 2" Concentric Reducer, Grooved.....	638.41	24.41
For Galvanized Fittings, Add	103.21	
23 21 13 23-1460 EA 5" x 2-1/2" Concentric Reducer, Grooved.....	505.79	25.91
For Galvanized Fittings, Add	80.08	
23 21 13 23-1461 EA 5" x 3" Concentric Reducer, Grooved.....	111.27	27.65
For Galvanized Fittings, Add	11.97	
23 21 13 23-1462 EA 5" x 4" Concentric Reducer, Grooved.....	130.00	31.09
For Galvanized Fittings, Add	14.30	
23 21 13 23-1463 EA 6" x 1" Concentric Reducer, Grooved.....	150.39	26.36
For Galvanized Fittings, Add	20.69	
23 21 13 23-1464 EA 6" x 1-1/2" Concentric Reducer, Grooved.....	674.53	27.85
For Galvanized Fittings, Add	118.07	
23 21 13 23-1465 EA 6" x 2" Concentric Reducer, Grooved.....	155.24	29.60
For Galvanized Fittings, Add	20.69	
23 21 13 23-1466 EA 6" x 2-1/2" Concentric Reducer, Grooved.....	683.00	31.09
For Galvanized Fittings, Add	118.75	
23 21 13 23-1467 EA 6" x 3" Concentric Reducer, Grooved.....	160.11	32.83
For Galvanized Fittings, Add	20.69	
23 21 13 23-1468 EA 6" x 4" Concentric Reducer, Grooved.....	150.96	36.27
For Galvanized Fittings, Add	18.02	
23 21 13 23-1469 EA 6" x 5" Concentric Reducer, Grooved.....	202.44	39.76
For Galvanized Fittings, Add	26.66	
23 21 13 23-1470 EA 8" x 3" Concentric Reducer, Grooved.....	253.82	37.17
For Galvanized Fittings, Add	36.97	
23 21 13 23-1471 EA 8" x 4" Concentric Reducer, Grooved.....	259.00	40.61
For Galvanized Fittings, Add	36.97	
23 21 13 23-1472 EA 8" x 5" Concentric Reducer, Grooved.....	264.19	44.04
For Galvanized Fittings, Add	36.97	
23 21 13 23-1473 EA 8" x 6" Concentric Reducer, Grooved.....	326.48	49.22
For Galvanized Fittings, Add	47.14	
23 21 13 23-1474 EA 10" x 4" Concentric Reducer, Grooved.....	539.40	45.14
For Galvanized Fittings, Add	88.02	
23 21 13 23-1475 EA 10" x 5" Concentric Reducer, Grooved.....	1,112.71	48.58
For Galvanized Fittings, Add	194.03	
23 21 13 23-1476 EA 10" x 6" Concentric Reducer, Grooved.....	596.48	53.76
For Galvanized Fittings, Add	96.26	
23 21 13 23-1477 EA 10" x 8" Concentric Reducer, Grooved.....	602.95	58.09
For Galvanized Fittings, Add	96.26	
23 21 13 23-1478 EA 12" x 4" Concentric Reducer, Grooved.....	1,638.62	51.42
For Galvanized Fittings, Add	234.23	
23 21 13 23-1479 EA 12" x 6" Concentric Reducer, Grooved.....	705.27	60.04
For Galvanized Fittings, Add	92.29	
23 21 13 23-1480 EA 12" x 8" Concentric Reducer, Grooved.....	1,020.72	64.38
For Galvanized Fittings, Add	138.63	
23 21 13 23-1481 EA 12" x 10" Concentric Reducer, Grooved.....	1,027.54	68.90
For Galvanized Fittings, Add	138.63	
23 21 13 23-1482 Grooved Eccentric Reducers (23 21 13 23-1416)		
Note: Victaulic No. 51		
23 21 13 23-1483 EA 1-1/2" x 3/4" Eccentric Reducer, Grooved.....	210.12	8.87
For Galvanized Fittings, Add	23.66	
23 21 13 23-1484 EA 1-1/2" x 1" Eccentric Reducer, Grooved.....	191.60	9.26
For Galvanized Fittings, Add	21.36	
23 21 13 23-1485 EA 1-1/2" x 1-1/4" Eccentric Reducer, Grooved.....	188.37	9.71
For Galvanized Fittings, Add	20.89	
23 21 13 23-1486 EA 2" x 3/4" Eccentric Reducer, Grooved.....	398.35	10.56
For Galvanized Fittings, Add	45.97	
23 21 13 23-1487 EA 2" x 1" Eccentric Reducer, Grooved.....	212.71	11.01
For Galvanized Fittings, Add	23.58	
23 21 13 23-1488 EA 2" x 1-1/4" Eccentric Reducer, Grooved.....	232.24	11.47
For Galvanized Fittings, Add	25.85	
23 21 13 23-1489 EA 2" x 1-1/2" Eccentric Reducer, Grooved.....	199.18	12.76
For Galvanized Fittings, Add	21.64	
23 21 13 23-1490 EA 2-1/2" x 3/4" Eccentric Reducer, Grooved.....	517.15	11.92
For Galvanized Fittings, Add	60.01	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-1491	EA	2-1/2" x 1" Eccentric Reducer, Grooved	483.65	12.37
		<i>For Galvanized Fittings, Add</i>	55.91	
23 21 13 23-1492	EA	2-1/2" x 1-1/4" Eccentric Reducer, Grooved	289.29	12.76
		<i>For Galvanized Fittings, Add</i>	32.47	
23 21 13 23-1493	EA	2-1/2" x 1-1/2" Eccentric Reducer, Grooved	235.11	14.06
		<i>For Galvanized Fittings, Add</i>	25.73	
23 21 13 23-1494	EA	2-1/2" x 2" Eccentric Reducer, Grooved	109.87	15.74
		<i>For Galvanized Fittings, Add</i>	10.36	
23 21 13 23-1495	EA	3" x 1" Eccentric Reducer, Grooved.....	520.30	14.25
		<i>For Galvanized Fittings, Add</i>	59.97	
23 21 13 23-1496	EA	3" x 1-1/4" Eccentric Reducer, Grooved	473.70	14.70
		<i>For Galvanized Fittings, Add</i>	54.29	
23 21 13 23-1497	EA	3" x 1-1/2" Eccentric Reducer, Grooved	271.23	15.74
		<i>For Galvanized Fittings, Add</i>	29.76	
23 21 13 23-1498	EA	3" x 2" Eccentric Reducer, Grooved.....	125.32	17.49
		<i>For Galvanized Fittings, Add</i>	11.91	
23 21 13 23-1499	EA	3" x 2-1/2" Eccentric Reducer, Grooved	130.34	20.85
		<i>For Galvanized Fittings, Add</i>	11.91	
23 21 13 23-1500	EA	3-1/2" x 3" Eccentric Reducer, Grooved	581.87	22.48
		<i>For Galvanized Fittings, Add</i>	65.89	
23 21 13 23-1501	EA	4" x 1" Eccentric Reducer, Grooved.....	1,037.91	17.68
		<i>For Galvanized Fittings, Add</i>	173.45	
23 21 13 23-1502	EA	4" x 1-1/2" Eccentric Reducer, Grooved	640.48	19.23
		<i>For Galvanized Fittings, Add</i>	104.90	
23 21 13 23-1503	EA	4" x 2" Eccentric Reducer, Grooved.....	152.57	20.99
		<i>For Galvanized Fittings, Add</i>	20.78	
23 21 13 23-1504	EA	4" x 2-1/2" Eccentric Reducer, Grooved	154.84	22.48
		<i>For Galvanized Fittings, Add</i>	20.78	
23 21 13 23-1505	EA	4" x 3" Eccentric Reducer, Grooved.....	157.43	24.22
		<i>For Galvanized Fittings, Add</i>	20.78	
23 21 13 23-1506	EA	5" x 2" Eccentric Reducer, Grooved.....	711.07	24.41
		<i>For Galvanized Fittings, Add</i>	115.67	
23 21 13 23-1507	EA	5" x 2-1/2" Eccentric Reducer, Grooved	613.49	25.91
		<i>For Galvanized Fittings, Add</i>	98.55	
23 21 13 23-1508	EA	5" x 3" Eccentric Reducer, Grooved.....	596.50	27.65
		<i>For Galvanized Fittings, Add</i>	95.19	
23 21 13 23-1509	EA	5" x 4" Eccentric Reducer, Grooved.....	211.66	31.09
		<i>For Galvanized Fittings, Add</i>	28.30	
23 21 13 23-1510	EA	6" x 1" Eccentric Reducer, Grooved.....	1,088.01	26.36
		<i>For Galvanized Fittings, Add</i>	195.65	
23 21 13 23-1511	EA	6" x 2" Eccentric Reducer, Grooved.....	1,000.55	29.60
		<i>For Galvanized Fittings, Add</i>	178.43	
23 21 13 23-1512	EA	6" x 2-1/2" Eccentric Reducer, Grooved	1,185.23	31.09
		<i>For Galvanized Fittings, Add</i>	212.46	
23 21 13 23-1513	EA	6" x 3" Eccentric Reducer, Grooved.....	268.94	32.83
		<i>For Galvanized Fittings, Add</i>	41.00	
23 21 13 23-1514	EA	6" x 4" Eccentric Reducer, Grooved.....	246.71	36.27
		<i>For Galvanized Fittings, Add</i>	35.89	
23 21 13 23-1515	EA	6" x 5" Eccentric Reducer, Grooved.....	290.28	39.76
		<i>For Galvanized Fittings, Add</i>	43.05	
23 21 13 23-1516	EA	8" x 3" Eccentric Reducer, Grooved.....	1,166.68	37.17
		<i>For Galvanized Fittings, Add</i>	207.31	
23 21 13 23-1517	EA	8" x 4" Eccentric Reducer, Grooved.....	1,031.81	40.61
		<i>For Galvanized Fittings, Add</i>	181.18	
23 21 13 23-1518	EA	8" x 5" Eccentric Reducer, Grooved.....	970.04	44.04
		<i>For Galvanized Fittings, Add</i>	168.68	
23 21 13 23-1519	EA	8" x 6" Eccentric Reducer, Grooved.....	463.79	49.22
		<i>For Galvanized Fittings, Add</i>	72.77	
23 21 13 23-1520	EA	10" x 4" Eccentric Reducer, Grooved.....	1,849.38	45.14
		<i>For Galvanized Fittings, Add</i>	332.47	
23 21 13 23-1521	EA	10" x 5" Eccentric Reducer, Grooved.....	1,751.49	48.58
		<i>For Galvanized Fittings, Add</i>	313.23	
23 21 13 23-1522	EA	10" x 6" Eccentric Reducer, Grooved.....	1,346.47	53.76
		<i>For Galvanized Fittings, Add</i>	236.21	
23 21 13 23-1523	EA	10" x 8" Eccentric Reducer, Grooved.....	1,158.48	58.09
		<i>For Galvanized Fittings, Add</i>	199.92	
23 21 13 23-1524	EA	12" x 4" Eccentric Reducer, Grooved.....	1,888.74	51.42
		<i>For Galvanized Fittings, Add</i>	273.38	
23 21 13 23-1525	EA	12" x 6" Eccentric Reducer, Grooved.....	1,781.06	60.04
		<i>For Galvanized Fittings, Add</i>	255.18	
23 21 13 23-1526	EA	12" x 8" Eccentric Reducer, Grooved.....	1,744.28	64.38
		<i>For Galvanized Fittings, Add</i>	248.65	
23 21 13 23-1527	EA	12" x 10" Eccentric Reducer, Grooved.....	1,579.24	68.90
		<i>For Galvanized Fittings, Add</i>	222.72	
23 21 13 23-1528		Close Nipple, Grooved (23 21 13 23-1416) Note: Victaulic No. 143		
23 21 13 23-1529	EA	1-1/4" Ductile Iron, Grooved, Close Nipple	33.05	8.55
		<i>For Galvanized Fittings, Add</i>	3.62	
		<i>For 300 LB Rating, Add</i>	3.02	
		<i>For Galvanized Fittings, Add</i>	5.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1530 EA 1-1/2" Ductile Iron, Grooved, Close Nipple	38.10	10.69
For Galvanized Fittings, Add	3.94	
For 300 LB Rating, Add	3.29	
For Galvanized Fittings, Add	5.61	
23 21 13 23-1531 EA 2" Ductile Iron, Grooved, Close Nipple	47.77	14.11
For Galvanized Fittings, Add	4.75	
For 300 LB Rating, Add	3.96	
For Galvanized Fittings, Add	6.76	
23 21 13 23-1532 EA 2-1/2" Ductile Iron, Grooved, Close Nipple	57.11	17.10
For Galvanized Fittings, Add	5.62	
For 300 LB Rating, Add	4.68	
For Galvanized Fittings, Add	7.99	
23 21 13 23-1533 Grooved Couplings <small>(23 21 13 23-1237)</small>		
23 21 13 23-1534 Flexible Grooved Coupling <small>(23 21 13 23-1533)</small>		
Note: Victaulic Style 77		
23 21 13 23-1535 EA 3/4" Standard Coupling, Grooved	25.51	3.50
For Galvanized Fittings, Add	5.66	
23 21 13 23-1536 EA 1" Standard Coupling, Grooved	25.51	3.50
For Galvanized Fittings, Add	5.66	
23 21 13 23-1537 EA 1-1/4" Standard Coupling, Grooved	33.52	4.41
For Galvanized Fittings, Add	7.53	
23 21 13 23-1538 EA 1-1/2" Standard Coupling, Grooved	37.30	5.24
For Galvanized Fittings, Add	8.23	
23 21 13 23-1539 EA 2" Standard Coupling, Grooved	41.65	7.06
For Galvanized Fittings, Add	8.70	
23 21 13 23-1540 EA 2-1/2" Standard Coupling, Grooved	50.08	8.61
For Galvanized Fittings, Add	10.41	
23 21 13 23-1541 EA 3" Standard Coupling, Grooved	52.58	10.30
For Galvanized Fittings, Add	10.41	
23 21 13 23-1542 EA 3-1/2" Standard Coupling, Grooved	78.00	12.05
For Galvanized Fittings, Add	16.77	
23 21 13 23-1543 EA 4" Standard Coupling, Grooved	80.53	13.73
For Galvanized Fittings, Add	16.77	
23 21 13 23-1544 EA 5" Standard Coupling, Grooved	117.65	17.22
For Galvanized Fittings, Add	25.72	
23 21 13 23-1545 EA 6" Standard Coupling, Grooved	142.31	22.48
For Galvanized Fittings, Add	30.40	
23 21 13 23-1546 EA 8" Standard Coupling, Grooved	217.16	26.81
For Galvanized Fittings, Add	49.56	
23 21 13 23-1547 EA 10" Standard Coupling, Grooved	342.35	32.13
For Galvanized Fittings, Add	82.36	
23 21 13 23-1548 EA 12" Standard Coupling, Grooved	387.64	35.16
For Galvanized Fittings, Add	93.78	
23 21 13 23-1549 Zero-Flex® Rigid Coupling <small>(23 21 13 23-1533)</small>		
Note: Victaulic Style 07		
23 21 13 23-1550 EA 1" Rigid Coupling, Grooved	33.42	3.50
For Galvanized Fittings, Add	6.89	
23 21 13 23-1551 EA 1-1/4" Rigid Coupling, Grooved	34.75	4.41
For Galvanized Fittings, Add	6.89	
23 21 13 23-1552 EA 1-1/2" Rigid Coupling, Grooved	36.03	5.24
For Galvanized Fittings, Add	6.89	
23 21 13 23-1553 EA 2" Rigid Coupling, Grooved	39.42	7.06
For Galvanized Fittings, Add	7.07	
23 21 13 23-1554 EA 2-1/2" Rigid Coupling, Grooved	46.14	8.61
For Galvanized Fittings, Add	8.15	
23 21 13 23-1555 EA 3" Rigid Coupling, Grooved	48.64	10.30
For Galvanized Fittings, Add	8.15	
23 21 13 23-1556 EA 3-1/2" Rigid Coupling, Grooved	56.95	12.05
For Galvanized Fittings, Add	9.52	
23 21 13 23-1557 EA 4" Rigid Coupling, Grooved	75.69	13.73
For Galvanized Fittings, Add	13.49	
23 21 13 23-1558 EA 5" Rigid Coupling, Grooved	97.30	17.22
For Galvanized Fittings, Add	17.52	
23 21 13 23-1559 EA 6" Rigid Coupling, Grooved	129.32	22.48
For Galvanized Fittings, Add	23.42	
23 21 13 23-1560 EA 8" Rigid Coupling, Grooved	190.76	26.81
For Galvanized Fittings, Add	36.90	
23 21 13 23-1561 EA 10" Rigid Coupling, Grooved	318.04	32.13
For Galvanized Fittings, Add	66.11	
23 21 13 23-1562 EA 12" Rigid Coupling, Grooved	354.68	35.16
For Galvanized Fittings, Add	73.98	
23 21 13 23-1563 Installation-Ready™ Coupling <small>(23 21 13 23-1533)</small>		
Note: Victaulic Style 009N		
23 21 13 23-1564 EA 1-1/4" Ductile Iron, Installation-Ready™ Coupling	40.36	3.27
For Galvanized Fittings, Add	9.06	
23 21 13 23-1565 EA 1-1/2" Ductile Iron, Installation-Ready™ Coupling	42.07	3.91
For Galvanized Fittings, Add	9.25	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1566 EA 2" Ductile Iron, Installation-Ready™ Coupling	48.85	5.25
For Galvanized Fittings, Add	10.47	
23 21 13 23-1567 EA 2-1/2" Ductile Iron, Installation-Ready™ Coupling	56.74	6.37
For Galvanized Fittings, Add	12.06	
23 21 13 23-1568 EA 3" Ductile Iron, Installation-Ready™ Coupling	64.89	7.65
For Galvanized Fittings, Add	13.64	
23 21 13 23-1569 EA 4" Ductile Iron, Installation-Ready™ Coupling	90.31	10.22
For Galvanized Fittings, Add	19.16	
23 21 13 23-1570 EA 5" Ductile Iron, Installation-Ready™ Coupling	141.76	12.78
For Galvanized Fittings, Add	31.33	
23 21 13 23-1571 EA 6" Ductile Iron, Installation-Ready™ Coupling	171.57	16.71
For Galvanized Fittings, Add	37.44	
23 21 13 23-1572 EA 8" Ductile Iron, Installation-Ready™ Coupling	274.46	19.88
For Galvanized Fittings, Add	62.55	
23 21 13 23-1573 Grooved Strainers And Suction Diffusers (23 21 13 23-1237)		
23 21 13 23-1574 Grooved Wye Strainers (23 21 13 23-1573)		
Note: Victaulic Style 732		
23 21 13 23-1575 EA 2" Wye Strainer, Grooved	607.62	14.25
23 21 13 23-1576 EA 2-1/2" Wye Strainer, Grooved	641.81	17.29
23 21 13 23-1577 EA 3" Wye Strainer, Grooved	723.14	20.72
23 21 13 23-1578 EA 4" Wye Strainer, Grooved	824.42	27.65
23 21 13 23-1579 EA 5" Wye Strainer, Grooved	1,186.04	34.59
23 21 13 23-1580 EA 6" Wye Strainer, Grooved	1,299.08	44.95
23 21 13 23-1581 EA 8" Wye Strainer, Grooved	1,968.45	53.56
23 21 13 23-1582 EA 10" Wye Strainer, Grooved	3,128.97	62.62
23 21 13 23-1583 EA 12" Wye Strainer, Grooved	5,414.81	75.19
23 21 13 23-1584 Grooved Tee Type Strainers (23 21 13 23-1573)		
Note: Victaulic Style 730		
23 21 13 23-1585 EA 1-1/2" Tee Type Strainer, Grooved	468.59	10.82
23 21 13 23-1586 EA 2" Tee Type Strainer, Grooved	600.39	14.25
23 21 13 23-1587 EA 2-1/2" Tee Type Strainer, Grooved	634.28	17.29
23 21 13 23-1588 EA 3" Tee Type Strainer, Grooved	714.64	20.72
23 21 13 23-1589 EA 4" Tee Type Strainer, Grooved	814.79	27.65
23 21 13 23-1590 EA 5" Tee Type Strainer, Grooved	1,172.02	34.59
23 21 13 23-1591 EA 6" Tee Type Strainer, Grooved	1,283.96	44.95
23 21 13 23-1592 EA 8" Tee Type Strainer, Grooved	1,945.03	53.56
23 21 13 23-1593 EA 10" Tee Type Strainer, Grooved	2,832.55	62.62
23 21 13 23-1594 EA 12" Tee Type Strainer, Grooved	3,638.08	75.19
23 21 13 23-1595 Grooved Suction Diffuser (23 21 13 23-1573)		
Note: Victaulic Style 731		
23 21 13 23-1596 EA 2-1/2" Grooved x 2" Flanged Suction Diffuser	1,226.31	15.99
23 21 13 23-1597 EA 3" Grooved x 2" Flanged Suction Diffuser	1,302.50	17.68
23 21 13 23-1598 EA 3" Grooved x 2-1/2" Flanged Suction Diffuser	948.56	20.72
23 21 13 23-1599 EA 3" Grooved x 3" Flanged Suction Diffuser	963.18	22.48
23 21 13 23-1600 EA 4" Grooved x 2-1/2" Flanged Suction Diffuser	1,041.63	22.48
23 21 13 23-1601 EA 4" Grooved x 3" Flanged Suction Diffuser	1,123.75	24.22
23 21 13 23-1602 EA 4" Grooved x 4" Flanged Suction Diffuser	1,295.95	24.22
23 21 13 23-1603 EA 5" Grooved x 4" Flanged Suction Diffuser	1,450.49	31.09
23 21 13 23-1604 EA 5" Grooved x 5" Flanged Suction Diffuser	1,524.33	32.83
23 21 13 23-1605 EA 6" Grooved x 4" Flanged Suction Diffuser	1,551.22	36.27
23 21 13 23-1606 EA 6" Grooved x 5" Flanged Suction Diffuser	1,850.14	39.76
23 21 13 23-1607 EA 6" Grooved x 6" Flanged Suction Diffuser	1,922.62	42.35
23 21 13 23-1608 EA 8" Grooved x 5" Flanged Suction Diffuser	1,973.31	44.04
23 21 13 23-1609 EA 8" Grooved x 6" Flanged Suction Diffuser	2,085.01	49.22
23 21 13 23-1610 EA 8" Grooved x 8" Flanged Suction Diffuser	3,541.30	53.56
23 21 13 23-1611 EA 10" Grooved x 8" Flanged Suction Diffuser	3,992.39	57.90
23 21 13 23-1612 EA 10" Grooved x 10" Flanged Suction Diffuser	4,795.91	60.04
23 21 13 23-1613 EA 12" Grooved x 10" Flanged Suction Diffuser	5,673.64	69.11
23 21 13 23-1614 EA 12" Grooved x 12" Flanged Suction Diffuser	7,858.08	73.44
23 21 13 23-1615 Grooved Steel Valves (23 21 13 23-1237)		
23 21 13 23-1616 Grooved Butterfly Valves With Standard Trim (23 21 13 23-1615)		
23 21 13 23-1617 EA 1-1/2" Butterfly Valve, Grooved, With Standard Trim	186.42	7.06
23 21 13 23-1618 EA 2" Butterfly Valve, Grooved, With Standard Trim	189.77	9.26
23 21 13 23-1619 EA 3" Butterfly Valve, Grooved, With Standard Trim	311.59	13.73
23 21 13 23-1620 EA 4" Butterfly Valve, Grooved, With Standard Trim	418.59	18.07
23 21 13 23-1621 EA 6" Butterfly Valve, Grooved, With Standard Trim	915.20	29.60
23 21 13 23-1622 EA 8" Butterfly Valve, Grooved, With Standard Trim	1,268.22	41.65
23 21 13 23-1623 EA 10" Butterfly Valve, Grooved, With Standard Trim	1,905.51	56.28
23 21 13 23-1624 Grooved Butterfly Valves With Stainless Steel Trim (23 21 13 23-1615)		
23 21 13 23-1625 EA 1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim	280.62	7.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1626 EA 2" Butterfly Valve, Grooved, With Stainless Steel Trim.....	283.97	9.26
23 21 13 23-1627 EA 3" Butterfly Valve, Grooved, With Stainless Steel Trim.....	439.29	13.73
23 21 13 23-1628 EA 4" Butterfly Valve, Grooved, With Stainless Steel Trim.....	558.85	18.07
23 21 13 23-1629 EA 6" Butterfly Valve, Grooved, With Stainless Steel Trim.....	1,070.11	29.60
23 21 13 23-1630 EA 8" Butterfly Valve, Grooved, With Stainless Steel Trim.....	1,778.99	41.65
23 21 13 23-1631 EA 10" Butterfly Valve, Grooved, With Stainless Steel Trim.....	2,805.65	56.28
23 21 13 23-1632 Grooved Ball Valves With Standard Trim And Handle (23 21 13 23-1615)		
Note: Victaulic No. 721		
23 21 13 23-1633 EA 1-1/2" Ball Valve, Grooved, With Standard Trim.....	157.14	6.93
23 21 13 23-1634 EA 2" Ball Valve, Grooved, With Standard Trim.....	179.85	9.52
23 21 13 23-1635 EA 2-1/2" Ball Valve, Grooved, With Standard Trim.....	411.93	11.66
23 21 13 23-1636 EA 3" Ball Valve, Grooved, With Standard Trim.....	676.28	13.80
23 21 13 23-1637 EA 4" Ball Valve, Grooved, With Standard Trim.....	1,053.63	18.13
23 21 13 23-1638 EA 6" Ball Valve, Grooved, With Standard Trim.....	3,279.88	29.79
23 21 13 23-1639 Grooved Ball Valves With Stainless Steel Trim And Handle (23 21 13 23-1615)		
Note: Victaulic No. 721		
23 21 13 23-1640 EA 1-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	167.45	6.93
23 21 13 23-1641 EA 2" Ball Valve, Grooved, With Stainless Steel Trim.....	286.94	9.52
23 21 13 23-1642 EA 2-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	749.63	11.66
23 21 13 23-1643 EA 3" Ball Valve, Grooved, With Stainless Steel Trim.....	969.59	13.80
23 21 13 23-1644 EA 4" Ball Valve, Grooved, With Stainless Steel Trim.....	1,324.67	18.13
23 21 13 23-1645 EA 6" Ball Valve, Grooved, With Stainless Steel Trim.....	3,615.74	29.79
23 21 13 23-1646 Grooved Check Valves (23 21 13 23-1615)		
Note: Victaulic No. 712		
23 21 13 23-1647 EA 2" Check Valve, Grooved.....	238.81	9.52
23 21 13 23-1648 EA 2-1/2" Check Valve, Grooved.....	388.12	11.66
23 21 13 23-1649 EA 3" Check Valve, Grooved.....	452.19	13.80
23 21 13 23-1650 EA 4" Check Valve, Grooved.....	641.18	18.13
23 21 13 23-1651 Grooved Vic-Check Check Valves (23 21 13 23-1615)		
Note: Victaulic No. 716		
23 21 13 23-1652 EA 2-1/2" "Vic-Check" Check Valve, Grooved.....	309.80	11.66
23 21 13 23-1653 EA 3" "Vic-Check" Check Valve, Grooved.....	312.94	13.80
23 21 13 23-1654 EA 4" "Vic-Check" Check Valve, Grooved.....	392.07	18.13
23 21 13 23-1655 EA 6" "Vic-Check" Check Valve, Grooved.....	765.14	29.79
23 21 13 23-1656 EA 8" "Vic-Check" Check Valve, Grooved.....	1,046.86	41.45
23 21 13 23-1657 EA 10" "Vic-Check" Check Valve, Grooved.....	2,934.42	56.15
23 21 13 23-1658 EA 12" "Vic-Check" Check Valve, Grooved.....	3,475.13	64.83
23 21 13 23-1659 Grooved Plug Valves With Lever Operator (23 21 13 23-1615)		
Note: Victaulic No. 377		
23 21 13 23-1660 EA 3" Balancing Plug Valve, Grooved, With Lever Handle.....	375.45	13.80
23 21 13 23-1661 EA 4" Balancing Plug Valve, Grooved, With Lever Handle.....	417.59	18.13
23 21 13 23-1662 EA 6" Balancing Plug Valve, Grooved, With Lever Handle.....	744.68	29.79
23 21 13 23-1663 Grooved Plug Valve With Gear Operator (23 21 13 23-1615)		
Note: Victaulic No. 377		
23 21 13 23-1664 EA 3" Balancing Plug Valve, Grooved, With Gear Operator.....	661.62	13.80
23 21 13 23-1665 EA 4" Balancing Plug Valve, Grooved, With Gear Operator.....	703.79	18.13
23 21 13 23-1666 EA 6" Balancing Plug Valve, Grooved, With Gear Operator.....	1,030.87	29.79
23 21 13 23-1667 EA 8" Balancing Plug Valve, Grooved, With Gear Operator.....	1,379.49	41.45
23 21 13 23-1668 EA 10" Balancing Plug Valve, Grooved, With Gear Operator.....	2,161.70	56.15
23 21 13 23-1669 EA 12" Balancing Plug Valve, Grooved, With Gear Operator.....	3,123.36	64.83
23 21 13 23-1670 Prepare Pipe For Groove (23 21 13 23-1237)		
23 21 13 23-1671 Cut Grooved Pipe (23 21 13 23-1670)		
Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-1672 EA Cut 3/4" Groove.....	6.79	
23 21 13 23-1673 EA Cut 1" Groove.....	7.36	
23 21 13 23-1674 EA Cut 1-1/4" Groove.....	8.32	
23 21 13 23-1675 EA Cut 1-1/2" Groove.....	9.05	
23 21 13 23-1676 EA Cut 2" Groove.....	9.91	
23 21 13 23-1677 EA Cut 2-1/2" Groove.....	10.74	
23 21 13 23-1678 EA Cut 3" Groove.....	11.72	
23 21 13 23-1679 EA Cut 3-1/2" Groove.....	12.42	
23 21 13 23-1680 EA Cut 4" Groove.....	13.22	
23 21 13 23-1681 EA Cut 5" Groove.....	14.32	
23 21 13 23-1682 EA Cut 6" Groove.....	14.73	
23 21 13 23-1683 EA Cut 8" Groove.....	19.10	
23 21 13 23-1684 EA Cut 10" Groove.....	27.14	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-1685	EA	Cut 12" Groove	34.38	
23 21 13 23-1686		Roll Grooved Pipe <small>(23 21 13 23-1670)</small>		
		Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-1687	EA	Roll 3/4" Groove	3.87	
23 21 13 23-1688	EA	Roll 1" Groove	4.53	
23 21 13 23-1689	EA	Roll 1-1/4" Groove	5.15	
23 21 13 23-1690	EA	Roll 1-1/2" Groove	5.80	
23 21 13 23-1691	EA	Roll 2" Groove	8.89	
23 21 13 23-1692	EA	Roll 2-1/2" Groove	9.38	
23 21 13 23-1693	EA	Roll 3" Groove	10.32	
23 21 13 23-1694	EA	Roll 3-1/2" Groove	10.97	
23 21 13 23-1695	EA	Roll 4" Groove	11.99	
23 21 13 23-1696	EA	Roll 5" Groove	12.27	
23 21 13 23-1697	EA	Roll 6" Groove	12.89	
23 21 13 23-1698	EA	Roll 8" Groove	15.63	
23 21 13 23-1699	EA	Roll 10" Groove	17.78	
23 21 13 23-1700	EA	Roll 12" Groove	22.42	
23 21 13 23-1701		Standard Gaskets <small>(23 21 13 23-1670)</small>		
		Note: For use on replacement of existing gaskets.		
23 21 13 23-1702	EA	3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	17.29	
23 21 13 23-1703	EA	1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	17.83	
23 21 13 23-1704	EA	1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	18.60	
23 21 13 23-1705	EA	1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	20.36	
23 21 13 23-1706	EA	2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	20.76	
23 21 13 23-1707	EA	2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	24.47	
23 21 13 23-1708	EA	3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	26.79	
23 21 13 23-1709	EA	3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	33.20	
23 21 13 23-1710	EA	4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	33.52	
23 21 13 23-1711	EA	5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	42.12	
23 21 13 23-1712	EA	6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	45.33	
23 21 13 23-1713	EA	8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	61.75	
23 21 13 23-1714	EA	10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	77.79	
23 21 13 23-1715	EA	12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	91.49	
23 21 13 23-1716	EA	14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	127.52	
23 21 13 23-1717	EA	16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	171.47	
23 21 13 23-1718	EA	18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	203.92	
23 21 13 23-1719	EA	20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	304.67	
23 21 13 23-1720	EA	24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	418.46	
23 21 13 23-1721		Copper Grooved-Joint Pipe Fittings <small>(23 21 13 23)</small>		
		Note: Couplings are not included with fittings.		
23 21 13 23-1722		Grooved Fittings <small>(23 21 13 23-1721)</small>		
23 21 13 23-1723		Grooved 90 Degree Elbows <small>(23 21 13 23-1722)</small>		
23 21 13 23-1724	EA	2" Copper 90 Degree Elbow, Grooved	40.88	10.56
23 21 13 23-1725	EA	2-1/2" Copper 90 Degree Elbow, Grooved	47.27	12.89
23 21 13 23-1726	EA	3" Copper 90 Degree Elbow, Grooved	61.65	15.61
23 21 13 23-1727	EA	4" Copper 90 Degree Elbow, Grooved	112.43	20.59
23 21 13 23-1728	EA	5" Copper 90 Degree Elbow, Grooved	255.26	25.78
23 21 13 23-1729	EA	6" Copper 90 Degree Elbow, Grooved	393.16	33.74
23 21 13 23-1730	EA	8" Copper 90 Degree Elbow, Grooved	692.49	40.16
23 21 13 23-1731		Grooved 45 Degree Elbows <small>(23 21 13 23-1722)</small>		
23 21 13 23-1732	EA	2" Copper 45 Degree Elbow, Grooved	40.88	10.56
23 21 13 23-1733	EA	2-1/2" Copper 45 Degree Elbow, Grooved	47.27	12.89
23 21 13 23-1734	EA	3" Copper 45 Degree Elbow, Grooved	61.65	15.61
23 21 13 23-1735	EA	4" Copper 45 Degree Elbow, Grooved	112.43	20.59
23 21 13 23-1736	EA	5" Copper 45 Degree Elbow, Grooved	255.26	25.78
23 21 13 23-1737	EA	6" Copper 45 Degree Elbow, Grooved	393.16	33.74
23 21 13 23-1738	EA	8" Copper 45 Degree Elbow, Grooved	692.49	40.16
23 21 13 23-1739		Grooved Tees <small>(23 21 13 23-1722)</small>		
23 21 13 23-1740	EA	2" Copper Tee, Grooved	64.07	15.54
23 21 13 23-1741	EA	2-1/2" Copper Tee, Grooved	73.28	19.11
23 21 13 23-1742	EA	3" Copper Tee, Grooved	99.56	23.45
23 21 13 23-1743	EA	4" Copper Tee, Grooved	177.19	30.31
23 21 13 23-1744	EA	5" Copper Tee, Grooved	407.92	39.64
23 21 13 23-1745	EA	6" Copper Tee, Grooved	505.61	49.61
23 21 13 23-1746	EA	8" Copper Tee, Grooved	846.88	60.23
23 21 13 23-1747		Grooved Reducing Tees <small>(23 21 13 23-1722)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1748 EA 2-1/2" Copper Tee, Reducing, Grooved.....	91.19	19.11
23 21 13 23-1749 EA 3" Copper Tee, Reducing, Grooved.....	109.45	23.45
23 21 13 23-1750 EA 4" Copper Tee, Reducing, Grooved.....	214.44	30.37
23 21 13 23-1751 EA 5" Copper Tee, Reducing, Grooved.....	550.59	39.70
23 21 13 23-1752 EA 6" Copper Tee, Reducing, Grooved.....	674.94	49.61
23 21 13 23-1753 Grooved X Cup Reducing Tees (23 21 13 23-1722)		
23 21 13 23-1754 EA 2" Copper Tee, Reducing, Grooved X Cup.....	73.56	15.54
23 21 13 23-1755 EA 2-1/2" Copper Tee, Reducing, Grooved X Cup.....	91.29	19.11
23 21 13 23-1756 EA 3" Copper Tee, Reducing, Grooved X Cup.....	109.45	23.45
23 21 13 23-1757 EA 4" Copper Tee, Reducing, Grooved X Cup.....	214.44	30.31
23 21 13 23-1758 Grooved Flanged Adapter Nipples (23 21 13 23-1722)		
23 21 13 23-1759 EA 2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	126.57	11.47
23 21 13 23-1760 EA 2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	135.93	13.93
23 21 13 23-1761 EA 3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	146.32	16.65
23 21 13 23-1762 EA 4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	168.88	22.41
23 21 13 23-1763 EA 5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	221.28	27.14
23 21 13 23-1764 EA 6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	255.46	36.66
23 21 13 23-1765 Grooved Concentric Reducers (23 21 13 23-1722)		
23 21 13 23-1766 EA 2-1/2" x 2" Copper Concentric Reducer, Grooved.....	52.40	11.79
23 21 13 23-1767 EA 3" x 2" Copper Concentric Reducer, Grooved.....	54.99	13.15
23 21 13 23-1768 EA 3" x 2-1/2" Copper Concentric Reducer, Grooved.....	60.01	15.61
23 21 13 23-1769 EA 4" x 2" Copper Concentric Reducer, Grooved.....	91.28	15.74
23 21 13 23-1770 EA 4" x 2-1/2" Copper Concentric Reducer, Grooved.....	93.55	16.84
23 21 13 23-1771 EA 4" x 3" Copper Concentric Reducer, Grooved.....	96.14	18.13
23 21 13 23-1772 EA 5" x 3" Copper Concentric Reducer, Grooved.....	211.69	20.72
23 21 13 23-1773 EA 5" x 4" Copper Concentric Reducer, Grooved.....	216.86	23.31
23 21 13 23-1774 EA 6" x 3" Copper Concentric Reducer, Grooved.....	233.56	24.62
23 21 13 23-1775 EA 6" x 4" Copper Concentric Reducer, Grooved.....	238.73	27.20
23 21 13 23-1776 EA 6" x 5" Copper Concentric Reducer, Grooved.....	243.92	29.79
23 21 13 23-1777 EA 8" x 6" Copper Concentric Reducer, Grooved.....	398.17	36.92
23 21 13 23-1778 Grooved X Cup Concentric Reducers (23 21 13 23-1722)		
23 21 13 23-1779 EA 2" x 1" Copper Concentric Reducer, Grooved X Cup.....	40.41	8.29
23 21 13 23-1780 EA 2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	41.05	8.61
23 21 13 23-1781 EA 2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	43.03	9.59
23 21 13 23-1782 EA 2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup.....	47.79	9.26
23 21 13 23-1783 EA 2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	48.43	9.59
23 21 13 23-1784 EA 2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	50.34	10.56
23 21 13 23-1785 EA 2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup.....	52.93	11.79
23 21 13 23-1786 EA 3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	60.05	11.79
23 21 13 23-1787 EA 3" x 2" Copper Concentric Reducer, Grooved X Cup.....	62.64	13.15
23 21 13 23-1788 EA 4" x 2" Copper Concentric Reducer, Grooved X Cup.....	100.02	15.67
23 21 13 23-1789 Grooved Standard Couplings (23 21 13 23-1722)		
23 21 13 23-1790 EA 2" Copper Standard Coupling, Grooved.....	23.25	5.31
23 21 13 23-1791 EA 2-1/2" Copper Standard Coupling, Grooved.....	27.33	6.47
23 21 13 23-1792 EA 3" Copper Standard Coupling, Grooved.....	31.54	7.70
23 21 13 23-1793 EA 4" Copper Standard Coupling, Grooved.....	45.44	10.37
23 21 13 23-1794 EA 5" Copper Standard Coupling, Grooved.....	68.43	12.89
23 21 13 23-1795 EA 6" Copper Standard Coupling, Grooved.....	90.69	16.84
23 21 13 23-1796 EA 8" Copper Standard Coupling, Grooved.....	128.73	20.08
23 21 13 23-1797 Grooved Caps (23 21 13 23-1722)		
23 21 13 23-1798 EA 2" Copper Cap, Grooved.....	24.03	5.31
23 21 13 23-1799 EA 2-1/2" Copper Cap, Grooved.....	28.04	6.47
23 21 13 23-1800 EA 3" Copper Cap, Grooved.....	34.45	7.70
23 21 13 23-1801 EA 4" Copper Cap, Grooved.....	59.05	10.30
23 21 13 23-1802 EA 5" Copper Cap, Grooved.....	204.94	12.89
23 21 13 23-1803 EA 6" Copper Cap, Grooved.....	355.62	16.84
23 21 13 23-1804 Grooved Valves (23 21 13 23-1721)		
23 21 13 23-1805 Grooved Butterfly Valves, Standard Trim, Without Operator (23 21 13 23-1804)		
Note: Copper body.		
23 21 13 23-1806 EA 2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	308.17	6.93
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-1807 EA 3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	350.19	10.30
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1808	EA	4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	462.93	13.53
			<i>For Chain Wheel, Add</i>	43.45	
			<i>For Valve Bracket Insulation, Add</i>	38.20	
23 21	13 23-1809	EA	6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	617.19	22.22
			<i>For Chain Wheel, Add</i>	43.45	
			<i>For Valve Bracket Insulation, Add</i>	38.20	
23 21	13 23-1810	EA	8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	679.51	31.22
			<i>For Chain Wheel, Add</i>	43.45	
			<i>For Valve Bracket Insulation, Add</i>	38.20	
23 21	13 23-1811		Grooved Butterfly Valves, Standard Trim, With Operator (23 21 13 23-1804)		
			Note: Copper body.		
23 21	13 23-1812	EA	2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	376.68	6.93
			<i>For Chain Wheel, Add</i>	43.45	
			<i>For Valve Bracket Insulation, Add</i>	38.20	
23 21	13 23-1813	EA	3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	418.75	10.30
			<i>For Chain Wheel, Add</i>	43.45	
			<i>For Valve Bracket Insulation, Add</i>	38.20	
23 21	13 23-1814	EA	4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	531.48	13.53
			<i>For Chain Wheel, Add</i>	43.45	
			<i>For Valve Bracket Insulation, Add</i>	38.20	
23 21	13 23-1815	EA	6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	685.79	22.22
			<i>For Chain Wheel, Add</i>	43.45	
			<i>For Valve Bracket Insulation, Add</i>	38.20	
23 21	13 23-1816	EA	8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	748.07	31.22
			<i>For Chain Wheel, Add</i>	43.45	
			<i>For Valve Bracket Insulation, Add</i>	38.20	
23 21	13 23-1817		Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23)		
			Note: Socket or back weld.		
23 21	13 23-1818		Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23-1817)		
			Note: ASTM D1785 with D2466 fittings.		
23 21	13 23-1819		Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-1818)		
23 21	13 23-1820	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	2.99	1.86
			<i>For Work In Restricted Working Space, Add</i>	0.83	
23 21	13 23-1821	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	3.74	2.31
			<i>For Work In Restricted Working Space, Add</i>	1.04	
23 21	13 23-1822	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	4.08	2.47
			<i>For Work In Restricted Working Space, Add</i>	1.11	
23 21	13 23-1823	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	4.48	2.65
			<i>For Work In Restricted Working Space, Add</i>	1.19	
23 21	13 23-1824	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	4.62	2.70
			<i>For Work In Restricted Working Space, Add</i>	1.21	
23 21	13 23-1825	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	5.63	3.23
			<i>For Work In Restricted Working Space, Add</i>	1.46	
23 21	13 23-1826	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	7.00	3.84
			<i>For Work In Restricted Working Space, Add</i>	1.73	
23 21	13 23-1827	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	8.58	4.64
			<i>For Work In Restricted Working Space, Add</i>	2.09	
23 21	13 23-1828	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	12.77	6.96
			<i>For Work In Restricted Working Space, Add</i>	3.14	
23 21	13 23-1829	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	17.98	9.29
			<i>For Work In Restricted Working Space, Add</i>	4.18	
23 21	13 23-1830	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	22.76	11.07
			<i>For Work In Restricted Working Space, Add</i>	4.98	
23 21	13 23-1831	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	37.35	12.36
			<i>For Work In Restricted Working Space, Add</i>	5.56	
23 21	13 23-1832		Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows (23 21 13 23-1818)		
23 21	13 23-1833	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	10.73	7.00
			<i>For Work In Restricted Working Space, Add</i>	3.14	
23 21	13 23-1834	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	14.32	9.26
			<i>For Work In Restricted Working Space, Add</i>	4.18	
23 21	13 23-1835	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	17.96	11.53
			<i>For Work In Restricted Working Space, Add</i>	5.18	
23 21	13 23-1836	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	25.71	16.32
			<i>For Work In Restricted Working Space, Add</i>	7.33	
23 21	13 23-1837	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	28.91	18.39
			<i>For Work In Restricted Working Space, Add</i>	8.27	
23 21	13 23-1838	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	37.13	23.38
			<i>For Work In Restricted Working Space, Add</i>	10.50	
23 21	13 23-1839	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	58.26	34.59
			<i>For Work In Restricted Working Space, Add</i>	15.54	
23 21	13 23-1840	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	75.92	45.47
			<i>For Work In Restricted Working Space, Add</i>	20.45	
23 21	13 23-1841	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	94.80	54.01
			<i>For Work In Restricted Working Space, Add</i>	24.29	
23 21	13 23-1842	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	125.66	61.73
			<i>For Work In Restricted Working Space, Add</i>	27.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1843 EA 8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	193.26 32.38	72.02
23 21 13 23-1844 EA 10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	288.80 48.28	107.38
23 21 13 23-1845 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows (23 21 13 23-1818)		
23 21 13 23-1846 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	10.86 3.14	7.00
23 21 13 23-1847 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	14.59 4.18	9.26
23 21 13 23-1848 EA 1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	18.35 5.18	11.53
23 21 13 23-1849 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	25.96 7.33	16.32
23 21 13 23-1850 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	29.46 8.27	18.39
23 21 13 23-1851 EA 2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	37.49 10.50	23.38
23 21 13 23-1852 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	58.26 15.54	34.59
23 21 13 23-1853 EA 3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	78.23 20.45	45.47
23 21 13 23-1854 EA 4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	99.02 24.29	54.01
23 21 13 23-1855 EA 6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	126.04 27.76	61.73
23 21 13 23-1856 EA 8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	188.60 32.38	72.02
23 21 13 23-1857 EA 10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	288.80 48.28	107.38
23 21 13 23-1858 Schedule 40 Polyvinyl Chloride (PVC) Tees (23 21 13 23-1818)		
23 21 13 23-1859 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	17.60 5.18	11.53
23 21 13 23-1860 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	21.25 6.27	13.93
23 21 13 23-1861 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	28.25 8.27	18.39
23 21 13 23-1862 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	36.11 10.50	23.38
23 21 13 23-1863 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	43.13 12.53	27.85
23 21 13 23-1864 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	53.77 15.54	34.59
23 21 13 23-1865 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	74.68 20.45	45.47
23 21 13 23-1866 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	89.48 24.29	54.01
23 21 13 23-1867 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	123.38 32.38	72.02
23 21 13 23-1868 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	191.33 41.78	92.87
23 21 13 23-1869 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	293.44 51.81	115.21
23 21 13 23-1870 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	730.58 77.43	172.15
23 21 13 23-1871 Schedule 40 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-1818)		
23 21 13 23-1872 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	22.11 6.48	14.38
23 21 13 23-1873 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	26.68 7.84	17.43
23 21 13 23-1874 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	35.53 10.34	22.99
23 21 13 23-1875 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	45.49 13.13	29.20
23 21 13 23-1876 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	54.35 15.67	34.84
23 21 13 23-1877 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	67.83 19.43	43.20
23 21 13 23-1878 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	95.42 25.57	56.86
23 21 13 23-1879 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	114.54 30.36	67.48
23 21 13 23-1880 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	159.13 40.48	90.02
23 21 13 23-1881 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	255.61 52.21	116.06
23 21 13 23-1882 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	405.05 64.73	143.91

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1883	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	1,063.45 96.84	215.28
23 21	13 23-1884		Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <small>(23 21 13 23-1818)</small>		
23 21	13 23-1885	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	14.18 4.18	9.26
23 21	13 23-1886	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	17.79 5.18	11.53
23 21	13 23-1887	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	25.13 7.33	16.32
23 21	13 23-1888	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	28.28 8.27	18.39
23 21	13 23-1889	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	36.22 10.50	23.38
23 21	13 23-1890	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	53.74 15.54	34.59
23 21	13 23-1891	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	71.06 20.45	45.47
23 21	13 23-1892	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	87.49 24.29	54.01
23 21	13 23-1893	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	108.76 27.76	61.73
23 21	13 23-1894	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	201.30 32.38	72.02
23 21	13 23-1895	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	229.04 37.62	83.61
23 21	13 23-1896		Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <small>(23 21 13 23-1818)</small>		
23 21	13 23-1897	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	11.03 3.14	7.00
23 21	13 23-1898	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	14.51 4.18	9.26
23 21	13 23-1899	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	17.99 5.18	11.53
23 21	13 23-1900	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	25.54 7.33	16.32
23 21	13 23-1901	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	28.83 8.27	18.39
23 21	13 23-1902	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	36.75 10.50	23.38
23 21	13 23-1903	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	54.32 15.54	34.59
23 21	13 23-1904	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	71.06 20.45	45.47
23 21	13 23-1905	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	87.49 24.29	54.01
23 21	13 23-1906		Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <small>(23 21 13 23-1818)</small>		
23 21	13 23-1907	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	11.22 3.14	7.00
23 21	13 23-1908	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	14.70 4.18	9.26
23 21	13 23-1909	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	18.37 5.18	11.53
23 21	13 23-1910	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	25.76 7.33	16.32
23 21	13 23-1911	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	29.32 8.27	18.39
23 21	13 23-1912	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	37.19 10.50	23.38
23 21	13 23-1913	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	54.81 15.54	34.59
23 21	13 23-1914	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	72.58 20.45	45.47
23 21	13 23-1915	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	86.61 24.29	54.01
23 21	13 23-1916		Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <small>(23 21 13 23-1818)</small>		
23 21	13 23-1917	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	10.73 3.14	7.00
23 21	13 23-1918	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	14.29 4.18	9.26
23 21	13 23-1919	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	17.68 5.18	11.53
23 21	13 23-1920	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	25.10 7.33	16.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1921 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	28.33 8.27	18.39
23 21 13 23-1922 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	36.06 10.50	23.38
23 21 13 23-1923 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	56.36 15.54	34.59
23 21 13 23-1924 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	74.29 20.45	45.47
23 21 13 23-1925 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	91.08 24.29	54.01
23 21 13 23-1926 Schedule 40 Polyvinyl Chloride (PVC) P-Traps (23 21 13 23-1818)		
23 21 13 23-1927 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps..... <i>For Work In Restricted Working Space, Add</i>	16.26 4.28	9.52
23 21 13 23-1928 Schedule 40 Polyvinyl Chloride (PVC) Couplings (23 21 13 23-1818)		
23 21 13 23-1929 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	10.62 3.14	7.00
23 21 13 23-1930 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	14.15 4.18	9.26
23 21 13 23-1931 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	17.68 5.18	11.53
23 21 13 23-1932 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	24.99 7.33	16.32
23 21 13 23-1933 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	28.17 8.27	18.39
23 21 13 23-1934 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	35.95 10.50	23.38
23 21 13 23-1935 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	53.91 15.54	34.59
23 21 13 23-1936 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	71.45 20.45	45.47
23 21 13 23-1937 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	85.73 24.29	54.01
23 21 13 23-1938 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	107.63 27.76	61.73
23 21 13 23-1939 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	136.17 32.38	72.02
23 21 13 23-1940 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	245.26 34.71	77.20
23 21 13 23-1941 Schedule 40 Polyvinyl Chloride (PVC) Unions (23 21 13 23-1818)		
23 21 13 23-1942 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	18.66 5.18	11.53
23 21 13 23-1943 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	25.55 6.27	13.93
23 21 13 23-1944 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	32.77 8.27	18.39
23 21 13 23-1945 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	47.69 10.50	23.38
23 21 13 23-1946 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	55.01 12.53	27.85
23 21 13 23-1947 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	69.65 15.54	34.59
23 21 13 23-1948 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	100.53 20.45	45.47
23 21 13 23-1949 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	115.25 24.29	54.01
23 21 13 23-1950 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	175.95 32.38	72.02
23 21 13 23-1951 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	230.38 41.77	92.87
23 21 13 23-1952 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	323.01 51.78	115.15
23 21 13 23-1953 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	462.25 64.30	142.93
23 21 13 23-1954 Schedule 40 Polyvinyl Chloride (PVC) Caps (23 21 13 23-1818)		
23 21 13 23-1955 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	10.84 3.19	7.12
23 21 13 23-1956 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	14.21 4.18	9.26
23 21 13 23-1957 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	17.71 5.18	11.53
23 21 13 23-1958 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	25.46 7.46	16.59
23 21 13 23-1959 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	28.22 8.27	18.39

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1960	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	35.81 10.50	23.38
23 21	13 23-1961	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	54.43 15.54	34.59
23 21	13 23-1962	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	71.01 20.45	45.47
23 21	13 23-1963	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	87.47 24.29	54.01
23 21	13 23-1964	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	108.10 27.76	61.73
23 21	13 23-1965	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	160.04 32.38	72.02
23 21	13 23-1966	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	308.48 34.71	77.20
23 21	13 23-1967		Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <small>(23 21 13 23-1818)</small>		
23 21	13 23-1968	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Socket Weld Flanges <i>For Work In Restricted Working Space, Add</i>	22.81 5.18	11.53
23 21	13 23-1969	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	29.38 6.27	13.93
23 21	13 23-1970	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	37.02 8.27	18.39
23 21	13 23-1971	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	44.74 10.50	23.38
23 21	13 23-1972	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	51.73 12.53	27.85
23 21	13 23-1973	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	65.04 15.54	34.59
23 21	13 23-1974	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	88.60 20.45	45.47
23 21	13 23-1975	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	103.51 24.29	54.01
23 21	13 23-1976	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	136.50 32.38	72.02
23 21	13 23-1977	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	184.13 41.77	92.87
23 21	13 23-1978	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	273.92 51.78	115.15
23 21	13 23-1979	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	442.33 64.20	142.74
23 21	13 23-1980		Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings <small>(23 21 13 23-1817)</small> Note: ASTM D1785 with D2467 fittings.		
23 21	13 23-1981		Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <small>(23 21 13 23-1980)</small>		
23 21	13 23-1982	LF	1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	3.05 0.83	1.88
23 21	13 23-1983	LF	3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	3.81 1.04	2.33
23 21	13 23-1984	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	4.66 1.25	2.78
23 21	13 23-1985	LF	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	5.55 1.46	3.24
23 21	13 23-1986	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	6.37 1.67	3.69
23 21	13 23-1987	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	8.15 2.09	4.66
23 21	13 23-1988	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	9.42 2.30	5.11
23 21	13 23-1989	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	10.70 2.51	5.57
23 21	13 23-1990	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	13.88 3.14	7.00
23 21	13 23-1991	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	20.45 4.18	9.26
23 21	13 23-1992	LF	8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	26.54 4.98	11.07
23 21	13 23-1993	LF	10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	48.47 5.36	11.92
23 21	13 23-1994		Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <small>(23 21 13 23-1980)</small>		
23 21	13 23-1995	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	11.44 3.14 1.57	7.00
23 21	13 23-1996	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	15.23 4.18 2.09	9.26
23 21	13 23-1997	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	19.37 5.18 2.59	11.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1998 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	27.22 7.33 3.67	16.32
23 21 13 23-1999 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	30.54 8.27 4.13	18.39
23 21 13 23-2000 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	38.62 10.50 5.25	23.38
23 21 13 23-2001 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	60.27 15.54 7.77	34.59
23 21 13 23-2002 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	77.68 20.45 10.23	45.47
23 21 13 23-2003 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	95.41 24.29 12.14	54.01
23 21 13 23-2004 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	144.71 27.76 13.88	61.73
23 21 13 23-2005 EA 8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	221.38 32.38 16.19	72.02
23 21 13 23-2006 EA 10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	308.85 54.30 27.15	120.72
23 21 13 23-2007 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows (23 21 13 23-1980)		
23 21 13 23-2008 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	12.35 3.14 1.57	7.00
23 21 13 23-2009 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	16.82 4.18 2.09	9.26
23 21 13 23-2010 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	21.63 5.18 2.59	11.53
23 21 13 23-2011 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	30.01 7.33 3.67	16.32
23 21 13 23-2012 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	34.12 8.27 4.13	18.39
23 21 13 23-2013 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	43.53 10.50 5.25	23.38
23 21 13 23-2014 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	69.73 15.54 7.77	34.59
23 21 13 23-2015 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	89.98 20.45 10.23	45.47
23 21 13 23-2016 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	120.25 24.29 12.14	54.01
23 21 13 23-2017 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	141.98 27.76 13.88	61.73
23 21 13 23-2018 EA 8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	215.18 32.38 16.19	72.02
23 21 13 23-2019 EA 10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	301.88 54.30 27.15	120.72
23 21 13 23-2020 Schedule 80 Polyvinyl Chloride (PVC) Tees (23 21 13 23-1980)		
23 21 13 23-2021 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	19.24 4.92 2.46	10.94
23 21 13 23-2022 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	23.87 6.27 3.13	13.93
23 21 13 23-2023 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	31.28 8.27 4.13	18.39
23 21 13 23-2024 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	45.29 10.50 5.25	23.38
23 21 13 23-2025 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	52.06 12.53 6.27	27.85

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2026 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	64.68 15.54 7.77	34.59
23 21 13 23-2027 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	82.18 20.45 10.23	45.47
23 21 13 23-2028 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	98.44 24.29 12.14	54.01
23 21 13 23-2029 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	128.20 32.38 16.19	72.02
23 21 13 23-2030 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	208.51 41.78 20.89	92.87
23 21 13 23-2031 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	333.26 51.81 25.91	115.21
23 21 13 23-2032 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	730.61 77.43 38.72	172.15
23 21 13 23-2033 Schedule 80 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-1980)		
23 21 13 23-2034 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	24.94 6.15 3.07	13.66
23 21 13 23-2035 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	30.79 7.84 3.92	17.43
23 21 13 23-2036 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	40.28 10.34 5.17	22.99
23 21 13 23-2037 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	59.88 13.13 6.56	29.20
23 21 13 23-2038 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	68.35 15.67 7.83	34.84
23 21 13 23-2039 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	84.94 19.43 9.71	43.20
23 21 13 23-2040 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	107.18 25.57 12.78	56.86
23 21 13 23-2041 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	128.59 30.36 15.18	67.48
23 21 13 23-2042 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	166.70 40.48 20.24	90.02
23 21 13 23-2043 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	282.54 52.21 26.10	116.06
23 21 13 23-2044 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	467.47 64.73 32.37	143.91
23 21 13 23-2045 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,063.50 96.84 48.42	215.28
23 21 13 23-2046 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-1980)		
23 21 13 23-2047 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	14.51 4.18 2.09	9.26
23 21 13 23-2048 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	18.95 5.18 2.59	11.53
23 21 13 23-2049 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	27.09 7.33 3.67	16.32
23 21 13 23-2050 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	31.17 8.27 4.13	18.39
23 21 13 23-2051 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	40.17 10.50 5.25	23.38
23 21 13 23-2052 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	60.74 15.54 7.77	34.59
23 21 13 23-2053 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	82.37 20.45 10.23	45.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2054 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	100.64 24.29 12.14	54.01
23 21 13 23-2055 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	114.35 27.76 13.88	61.73
23 21 13 23-2056 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	156.40 32.38 16.19	72.02
23 21 13 23-2057 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	229.05 37.62 18.81	83.61
23 21 13 23-2058 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-1980)		
23 21 13 23-2059 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	10.64 3.14 1.57	7.00
23 21 13 23-2060 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	15.01 4.18 2.09	9.26
23 21 13 23-2061 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	18.95 5.18 2.59	11.53
23 21 13 23-2062 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	27.86 7.33 3.67	16.32
23 21 13 23-2063 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	31.86 8.27 4.13	18.39
23 21 13 23-2064 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	40.28 10.50 5.25	23.38
23 21 13 23-2065 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	62.95 15.54 7.77	34.59
23 21 13 23-2066 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	88.79 20.45 10.23	45.47
23 21 13 23-2067 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	112.66 24.29 12.14	54.01
23 21 13 23-2068 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters (23 21 13 23-1980)		
23 21 13 23-2069 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	12.79 3.14 1.57	7.00
23 21 13 23-2070 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	16.52 4.18 2.09	9.26
23 21 13 23-2071 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	21.79 5.18 2.59	11.53
23 21 13 23-2072 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	29.73 7.33 3.67	16.32
23 21 13 23-2073 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	35.17 8.27 4.13	18.39
23 21 13 23-2074 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	44.93 10.50 5.25	23.38
23 21 13 23-2075 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	63.11 15.54 7.77	34.59
23 21 13 23-2076 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	80.71 20.45 10.23	45.47
23 21 13 23-2077 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	103.26 24.29 12.14	54.01
23 21 13 23-2078 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters (23 21 13 23-1980)		
23 21 13 23-2079 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	12.16 3.14 1.57	7.00
23 21 13 23-2080 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	16.47 4.18 2.09	9.26

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2081	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	21.02 5.18 2.59	11.53
23 21	13 23-2082	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	30.53 7.33 3.67	16.32
23 21	13 23-2083	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	35.03 8.27 4.13	18.39
23 21	13 23-2084	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	48.02 10.50 5.25	23.38
23 21	13 23-2085	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	72.37 15.54 7.77	34.59
23 21	13 23-2086	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	91.33 20.45 10.23	45.47
23 21	13 23-2087	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	120.77 24.29 12.14	54.01
23 21	13 23-2088		Schedule 80 Polyvinyl Chloride (PVC) Couplings <small>(23 21 13 23-1980)</small>		
23 21	13 23-2089	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	12.27 3.14 1.57	7.00
23 21	13 23-2090	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	16.38 4.18 2.09	9.26
23 21	13 23-2091	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	19.81 5.18 2.59	11.53
23 21	13 23-2092	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	28.33 7.33 3.67	16.32
23 21	13 23-2093	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	31.75 8.27 4.13	18.39
23 21	13 23-2094	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	39.48 10.50 5.25	23.38
23 21	13 23-2095	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	62.86 15.54 7.77	34.59
23 21	13 23-2096	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	80.88 20.45 10.23	45.47
23 21	13 23-2097	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	96.89 24.29 12.14	54.01
23 21	13 23-2098	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	126.79 27.76 13.88	61.73
23 21	13 23-2099	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	154.58 32.38 16.19	72.02
23 21	13 23-2100	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	253.53 34.71 17.36	77.20
23 21	13 23-2101		Schedule 80 Polyvinyl Chloride (PVC) Unions <small>(23 21 13 23-1980)</small>		
23 21	13 23-2102	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	21.35 5.18 2.59	11.53
23 21	13 23-2103	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	25.60 6.27 3.13	13.93
23 21	13 23-2104	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	32.94 8.27 4.13	18.39
23 21	13 23-2105	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	48.46 10.50 5.25	23.38
23 21	13 23-2106	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	59.09 12.53 6.27	27.85
23 21	13 23-2107	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	75.27 15.54 7.77	34.59
23 21	13 23-2108	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	111.85 20.45 10.23	45.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2109 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	137.26 24.29 12.14	54.01
23 21 13 23-2110 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	176.11 32.38 16.19	72.02
23 21 13 23-2111 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	230.38 41.77 20.88	92.87
23 21 13 23-2112 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	323.01 51.78 25.89	115.15
23 21 13 23-2113 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	461.91 64.20 32.10	142.74
23 21 13 23-2114 Schedule 80 Polyvinyl Chloride (PVC) Caps (23 21 13 23-1980)		
23 21 13 23-2115 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	13.01 3.14 1.57	7.00
23 21 13 23-2116 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	16.63 4.18 2.09	9.26
23 21 13 23-2117 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	22.07 5.18 2.59	11.53
23 21 13 23-2118 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	30.23 7.33 3.67	16.32
23 21 13 23-2119 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	33.35 8.27 4.13	18.39
23 21 13 23-2120 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	43.69 10.50 5.25	23.38
23 21 13 23-2121 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	69.65 15.54 7.77	34.59
23 21 13 23-2122 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	89.98 20.45 10.23	45.47
23 21 13 23-2123 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	116.03 24.29 12.14	54.01
23 21 13 23-2124 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	179.63 27.76 13.88	61.73
23 21 13 23-2125 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	227.61 32.38 16.19	72.02
23 21 13 23-2126 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	336.05 34.71 17.36	77.20
23 21 13 23-2127 Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges (23 21 13 23-1980)		
23 21 13 23-2128 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	25.18 5.18 2.59	11.53
23 21 13 23-2129 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	29.38 6.27 3.13	13.93
23 21 13 23-2130 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	37.02 8.27 4.13	18.39
23 21 13 23-2131 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	44.74 10.50 5.25	23.38
23 21 13 23-2132 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	51.73 12.53 6.27	27.85
23 21 13 23-2133 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	65.04 15.54 7.77	34.59
23 21 13 23-2134 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	88.60 20.45 10.23	45.47
23 21 13 23-2135 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	103.51 24.29 12.14	54.01
23 21 13 23-2136 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	136.50 32.38 16.19	72.02

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2137 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	184.13	92.87
For Work In Restricted Working Space, Add	41.77	
For Threaded Fittings, Add	20.88	
23 21 13 23-2138 EA 8" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	273.92	115.15
For Work In Restricted Working Space, Add	51.78	
For Threaded Fittings, Add	25.89	
23 21 13 23-2139 EA 10" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	442.33	142.74
For Work In Restricted Working Space, Add	64.20	
For Threaded Fittings, Add	32.10	
23 21 13 23-2140 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe (2321 13 23-1817)		
Note: In place pipe.		
23 21 13 23-2141 EA 1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	3.52	
For Work In Restricted Working Space, Add	1.06	
23 21 13 23-2142 EA 3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	3.80	
For Work In Restricted Working Space, Add	1.14	
23 21 13 23-2143 EA 1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	4.27	
For Work In Restricted Working Space, Add	1.28	
23 21 13 23-2144 EA 1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	4.49	
For Work In Restricted Working Space, Add	1.35	
23 21 13 23-2145 EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	4.75	
For Work In Restricted Working Space, Add	1.43	
23 21 13 23-2146 EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	5.22	
For Work In Restricted Working Space, Add	1.57	
23 21 13 23-2147 EA 2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	5.62	
For Work In Restricted Working Space, Add	1.69	
23 21 13 23-2148 EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	6.65	
For Work In Restricted Working Space, Add	2.00	
23 21 13 23-2149 EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	8.97	
For Work In Restricted Working Space, Add	2.69	
23 21 13 23-2150 EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	12.82	
For Work In Restricted Working Space, Add	3.85	
23 21 13 23-2151 EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	17.09	
For Work In Restricted Working Space, Add	5.13	
23 21 13 23-2152 EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	20.89	
For Work In Restricted Working Space, Add	6.27	
23 21 13 23-2153 Polyethylene Pipe And Fittings (23 21 13 23)		
23 21 13 23-2154 Small Diameter Tubing (23 21 13 23-2153)		
23 21 13 23-2155 Tubing (23 21 13 23-2154)		
23 21 13 23-2156 LF 1/4" Polyethylene Tubing.....	2.01	
For Work In Restricted Working Space, Add	0.59	
23 21 13 23-2157 LF 5/16" Polyethylene Tubing.....	2.09	
For Work In Restricted Working Space, Add	0.60	
23 21 13 23-2158 LF 3/8" Polyethylene Tubing.....	2.15	
For Work In Restricted Working Space, Add	0.61	
23 21 13 23-2159 LF 1/2" Polyethylene Tubing.....	2.28	
For Work In Restricted Working Space, Add	0.66	
23 21 16 Hydronic Piping Specialties (23 21)		
23 21 16 00-0001 Air Vents (23 21 16)		
23 21 16 00-0002 Screwed Ends, Cast Iron, Automatic Air Vents (23 21 16 00-0001)		
Note: With guided free floating lever.		
23 21 16 00-0003 EA 1/2" NPT, Cast Iron, Automatic Air Vent.....	180.43	20.41
23 21 16 00-0004 EA 3/4" NPT, Cast Iron, Automatic Air Vent.....	221.19	27.09
23 21 16 00-0005 EA 1" NPT, Cast Iron, Automatic Air Vent.....	498.48	28.15
23 21 16 00-0006 EA 1-1/4" NPT, Cast Iron, Automatic Air Vent.....	739.45	43.50
23 21 16 00-0007 EA 1-1/2" NPT, Cast Iron, Automatic Air Vent.....	1,228.55	46.81
23 21 16 00-0008 EA 2" NPT, Cast Iron, Automatic Air Vent.....	1,412.04	61.72
23 21 16 00-0009 Forged Steel, Stainless Steel Internals, Automatic Air Vents (23 21 16 00-0001)		
Note: With guided free floating lever.		
23 21 16 00-0010 EA 1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	1,195.73	23.57
23 21 16 00-0011 EA 3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	1,498.48	27.09
23 21 16 00-0012 EA 1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	1,787.83	28.15
23 21 16 00-0013 EA 1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	2,933.29	43.64
23 21 16 00-0014 EA 1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	3,387.69	46.81
23 21 16 00-0015 EA 2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	4,980.08	61.59
23 21 16 00-0016 Manual Air Vent (23 21 16 00-0001)		
23 21 16 00-0017 EA Manual Air Vent.....	50.76	25.41
23 21 16 00-0018 Air Release Valves (23 21 16 00-0001)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0019			Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) <small>(23 21 16 00-0018)</small> Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0020	EA		1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	137.89	10.56
23 21 16 00-0021	EA		3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	140.71	11.97
23 21 16 00-0022	EA		1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	146.34	14.78
23 21 16 00-0023			Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) <small>(23 21 16 00-0018)</small> Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0024	EA		1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A).....	575.29	14.78
23 21 16 00-0025	EA		2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200).....	687.19	25.69
23 21 16 00-0026	EA		3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200).....	899.78	59.89
23 21 16 00-0027			Cast Iron, Air/Vacuum Valves <small>(23 21 16 00-0018)</small> Note: Up to 150 psi. Stainless steel float.		
23 21 16 00-0028	EA		1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141).....	276.92	10.56
23 21 16 00-0029	EA		1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142).....	340.98	14.78
23 21 16 00-0030	EA		2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144).....	588.94	25.69
23 21 16 00-0031	EA		3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146).....	855.29	59.89
23 21 16 00-0032	EA		4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152).....	1,336.15	100.54
23 21 16 00-0033	EA		6" Flanged, Cast Iron, Air/Vacuum Valve (Apco 153).....	2,040.43	127.14
23 21 16 00-0034			Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice <small>(23 21 16 00-0018)</small> Note: Up to 150 psi. Stainless Steel float.		
23 21 16 00-0035	EA		1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C).....	496.69	14.78
23 21 16 00-0036	EA		2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C).....	761.34	25.69
23 21 16 00-0037	EA		3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C).....	1,402.13	59.89
23 21 16 00-0038	EA		4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C).....	1,812.55	100.54
23 21 16 00-0039			Vent Valves <small>(23 21 16)</small>		
23 21 16 00-0040	EA		1/8", 1.5 PSIG Operating Pressure, Non Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A)	44.52	10.56
23 21 16 00-0041	EA		1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74).....	103.63	11.35
23 21 16 00-0042	EA		1/2" x 3/4", 3 PSIG Operating Pressure, Non Vacuum Main Steam Air Vent Valve (Hoffman 75).....	98.94	11.35
23 21 16 00-0043	EA		1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H).....	102.22	11.35
23 21 16 00-0044	EA		3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78)	130.97	11.35
23 21 16 00-0045	EA		1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79)	97.64	11.35
23 21 16 00-0046			Threaded Inlet, Drip-Pan Elbow <small>(23 21 16)</small>		
23 21 16 00-0047			Cast Iron, Threaded Inlet, Drip-Pan Elbow <small>(23 21 16 00-0046)</small>		
23 21 16 00-0048	EA		2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	145.61	17.79
			<i>For Flanged Inlet, Add</i>	51.10	
23 21 16 00-0049	EA		3" Cast Iron, Threaded Inlet, Drip-Pan Elbow	165.68	21.08
			<i>For Flanged Inlet, Add</i>	54.86	
23 21 16 00-0050	EA		3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	207.17	24.37
			<i>For Flanged Inlet, Add</i>	74.00	
23 21 16 00-0051	EA		4" Cast Iron, Threaded Inlet, Drip-Pan Elbow	303.15	27.67
			<i>For Flanged Inlet, Add</i>	130.21	
23 21 16 00-0052	EA		5" Cast Iron, Threaded Inlet, Drip-Pan Elbow	343.44	32.94
			<i>For Flanged Inlet, Add</i>	143.94	
23 21 16 00-0053	EA		6" Cast Iron, Threaded Inlet, Drip-Pan Elbow	474.04	41.51
			<i>For Flanged Inlet, Add</i>	210.34	
23 21 16 00-0054	EA		8" Cast Iron, Threaded Inlet, Drip-Pan Elbow	1,042.73	54.69
			<i>For Flanged Inlet, Add</i>	559.71	
23 21 16 00-0055			Cast Steel, Threaded Inlet, Drip-Pan Elbow <small>(23 21 16 00-0046)</small>		
23 21 16 00-0056	EA		2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	263.70	17.79
			<i>For Flanged Inlet, Add</i>	131.40	
23 21 16 00-0057	EA		3" Cast Steel, Threaded Inlet, Drip-Pan Elbow	319.15	21.08
			<i>For Flanged Inlet, Add</i>	159.22	
23 21 16 00-0058	EA		3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	447.28	24.37
			<i>For Flanged Inlet, Add</i>	237.28	
23 21 16 00-0059	EA		4" Cast Steel, Threaded Inlet, Drip-Pan Elbow	460.61	27.67
			<i>For Flanged Inlet, Add</i>	237.28	
23 21 16 00-0060	EA		5" Cast Steel, Threaded Inlet, Drip-Pan Elbow	652.40	32.94
			<i>For Flanged Inlet, Add</i>	354.03	
23 21 16 00-0061	EA		6" Cast Steel, Threaded Inlet, Drip-Pan Elbow	685.34	41.51
			<i>For Flanged Inlet, Add</i>	354.03	
23 21 16 00-0062	EA		8" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,113.67	54.69
			<i>For Flanged Inlet, Add</i>	607.95	
23 21 16 00-0063			Y-Type Strainers <small>(23 21 16)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0064 Screwed Ends, 250 LB, Iron Body, Y-Type Strainers (23 21 16 00-0063)		
23 21 16 00-0065 EA 1/4" Or 3/8" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	38.32	7.88
<i>For Galvanized Body, Add</i>	7.90	
<i>For Work In Restricted Working Space, Add</i>	6.76	
23 21 16 00-0066 EA 1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	38.66	8.03
<i>For Galvanized Body, Add</i>	7.90	
<i>For Work In Restricted Working Space, Add</i>	6.86	
23 21 16 00-0067 EA 3/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	49.82	10.84
<i>For Galvanized Body, Add</i>	9.43	
<i>For Work In Restricted Working Space, Add</i>	9.29	
23 21 16 00-0068 EA 1" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	62.41	12.95
<i>For Galvanized Body, Add</i>	12.74	
<i>For Work In Restricted Working Space, Add</i>	11.08	
23 21 16 00-0069 EA 1-1/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	80.64	16.01
<i>For Galvanized Body, Add</i>	17.45	
<i>For Work In Restricted Working Space, Add</i>	13.73	
23 21 16 00-0070 EA 1-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	91.29	17.24
<i>For Galvanized Body, Add</i>	21.01	
<i>For Work In Restricted Working Space, Add</i>	14.78	
23 21 16 00-0071 EA 2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	120.99	19.70
<i>For Galvanized Body, Add</i>	32.35	
<i>For Work In Restricted Working Space, Add</i>	16.89	
23 21 16 00-0072 EA 2-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	215.80	24.63
<i>For Galvanized Body, Add</i>	72.71	
<i>For Work In Restricted Working Space, Add</i>	21.11	
23 21 16 00-0073 EA 3" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	277.97	30.82
<i>For Galvanized Body, Add</i>	95.00	
<i>For Work In Restricted Working Space, Add</i>	26.39	
23 21 16 00-0074 Flanged, 125 LB, Iron Body , Y-Type Strainers (23 21 16 00-0063)		
23 21 16 00-0075 EA 1-1/2" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	184.43	73.90
<i>For Galvanized Body, Add</i>	45.92	
<i>For Work In Restricted Working Space, Add</i>	27.78	
23 21 16 00-0076 EA 2" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	216.67	93.81
<i>For Galvanized Body, Add</i>	49.69	
<i>For Work In Restricted Working Space, Add</i>	35.19	
23 21 16 00-0077 EA 3" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	386.65	119.65
<i>For Galvanized Body, Add</i>	118.45	
<i>For Work In Restricted Working Space, Add</i>	44.93	
23 21 16 00-0078 EA 4" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	520.19	200.58
<i>For Galvanized Body, Add</i>	134.42	
<i>For Work In Restricted Working Space, Add</i>	75.41	
23 21 16 00-0079 EA 5" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	548.91	198.82
<i>For Galvanized Body, Add</i>	150.38	
<i>For Work In Restricted Working Space, Add</i>	74.45	
23 21 16 00-0080 EA 6" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	650.66	220.92
<i>For Galvanized Body, Add</i>	186.77	
<i>For Work In Restricted Working Space, Add</i>	83.14	
23 21 16 00-0081 EA 8" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	1,086.33	282.28
<i>For Galvanized Body, Add</i>	367.84	
<i>For Work In Restricted Working Space, Add</i>	105.20	
23 21 16 00-0082 EA 10" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	2,069.22	343.64
<i>For Galvanized Body, Add</i>	819.84	
<i>For Work In Restricted Working Space, Add</i>	128.87	
23 21 16 00-0083 EA 12" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	2,318.55	306.82
<i>For Galvanized Body, Add</i>	852.45	
<i>For Work In Restricted Working Space, Add</i>	184.10	
23 21 16 00-0084 Screwed Ends, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0063)		
Note: With screwed cap (4" size has bolted cap).		
23 21 16 00-0085 EA 1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	35.66	8.03
<i>For 300 LB Rating, Add</i>	21.74	
<i>For Work In Restricted Working Space, Add</i>	6.86	
23 21 16 00-0086 EA 3/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	47.60	10.84
<i>For 300 LB Rating, Add</i>	28.27	
<i>For Work In Restricted Working Space, Add</i>	9.29	
23 21 16 00-0087 EA 1" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	57.88	12.95
<i>For 300 LB Rating, Add</i>	35.60	
<i>For Work In Restricted Working Space, Add</i>	11.08	
23 21 16 00-0088 EA 1-1/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	71.97	16.01
<i>For 300 LB Rating, Add</i>	44.57	
<i>For Work In Restricted Working Space, Add</i>	13.73	
23 21 16 00-0089 EA 1-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	83.32	17.24
<i>For 300 LB Rating, Add</i>	57.89	
<i>For Work In Restricted Working Space, Add</i>	14.78	
23 21 16 00-0090 EA 2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	111.62	19.70
<i>For 300 LB Rating, Add</i>	94.04	
<i>For Work In Restricted Working Space, Add</i>	16.89	
23 21 16 00-0091 EA 2-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	161.67	24.63
<i>For 300 LB Rating, Add</i>	155.19	
<i>For Work In Restricted Working Space, Add</i>	21.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0092 EA 3" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	277.26 321.78 26.39	30.82
23 21 16 00-0093 EA 4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	464.80 610.69 31.67	36.94
23 21 16 00-0094 Flanged, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0063) Note: With bolted cap.		
23 21 16 00-0095 EA 2" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	276.19 95.33 35.19	93.81
23 21 16 00-0096 EA 2-1/2" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	289.85 97.13 38.39	102.05
23 21 16 00-0097 EA 3" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	335.12 111.22 44.93	119.65
23 21 16 00-0098 EA 4" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	701.78 270.25 75.41	200.58
23 21 16 00-0099 EA 6" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	959.89 409.66 83.14	220.92
23 21 16 00-0100 EA 8" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,515.85 699.11 105.20	282.28
23 21 16 00-0101 EA 10" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,611.58 2,509.22 128.87	343.64
23 21 16 00-0102 Class 125, Crimped Bronze Body, Y-Type Strainers (23 21 16 00-0063) Note: Nibco®		
23 21 16 00-0103 EA 1/2" Class 125, Crimped Bronze Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	91.47 4.75	7.03
23 21 16 00-0104 EA 3/4" Class 125, Crimped Bronze Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	105.95 5.41	7.74
23 21 16 00-0105 EA 1" Class 125, Crimped Bronze Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	150.61 6.47	8.79
23 21 16 00-0106 EA 1-1/4" Class 125, Crimped Bronze Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	201.65 7.13	9.35
23 21 16 00-0107 EA 1-1/2" Class 125, Crimped Bronze Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	242.66 7.92	10.83
23 21 16 00-0108 EA 2" Class 125, Crimped Bronze Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	358.96 9.50	12.80
23 21 16 00-0109 250 PSI, Crimped Bronze Body, Y-Type Strainers (23 21 16 00-0063)		
23 21 16 00-0110 EA 1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	69.15	7.03
23 21 16 00-0111 EA 3/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	85.26	7.74
23 21 16 00-0112 EA 1" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	128.20	8.79
23 21 16 00-0113 EA 1-1/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	158.41	9.35
23 21 16 00-0114 EA 1-1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	190.33	10.83
23 21 16 00-0115 EA 2" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	251.92	12.80
23 21 16 00-0116 Cast Iron Body, Suction Diffusers (23 21 16) Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.		
23 21 16 00-0117 EA 2" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	351.86 13.58	27.73
23 21 16 00-0118 EA 2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	369.15 15.08	30.75
23 21 16 00-0119 EA 2-1/2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	374.75 15.84	32.31
23 21 16 00-0120 EA 2-1/2" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	704.40 38.39	102.05
23 21 16 00-0121 EA 3" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	386.34 18.40	37.58
23 21 16 00-0122 EA 3" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	438.46 18.40	37.58
23 21 16 00-0123 EA 3" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	736.75 41.66	111.09
23 21 16 00-0124 EA 3" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	750.71 44.93	119.65
23 21 16 00-0125 EA 4" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	908.82 60.17	160.44
23 21 16 00-0126 EA 4" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,066.95 75.41	200.58
23 21 16 00-0127 EA 6" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,223.18 74.45	198.52
23 21 16 00-0128 EA 6" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,482.12 83.14	220.92

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0129	EA		8" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	1,669.09 105.20	282.28
23 21 16 00-0130	EA		8" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	2,616.52 105.20	282.28
23 21 16 00-0131	EA		10" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	2,983.63 128.87	343.64
23 21 16 00-0132	EA		10" x 10" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	3,501.80 128.87	343.64
23 21 16 00-0133			Duplex Strainers <small>(23 21 16)</small>		
23 21 16 00-0134			Iron Body, Duplex Strainers <small>(23 21 16 00-0133)</small>		
23 21 16 00-0135			Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers <small>(23 21 16 00-0134)</small> <i>Note: With brass or stainless steel basket.</i>		
23 21 16 00-0136	EA		3/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	361.23 10.52	17.52
23 21 16 00-0137	EA		1" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	403.68 12.05	20.06
23 21 16 00-0138	EA		1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	544.86 14.14	23.57
23 21 16 00-0139	EA		1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	683.30 15.41	25.69
23 21 16 00-0140	EA		2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	913.90 18.85	31.32
23 21 16 00-0141	EA		2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,150.41 24.06	40.12
23 21 16 00-0142			Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers <small>(23 21 16 00-0134)</small> <i>Note: With brass or stainless steel basket.</i>		
23 21 16 00-0143	EA		2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,255.45 35.19	93.81
23 21 16 00-0144	EA		2-1/2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,300.09 38.39	102.05
23 21 16 00-0145	EA		3" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,661.62 44.93	119.65
23 21 16 00-0146	EA		4" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,597.38 65.75	174.89
23 21 16 00-0147	EA		6" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,033.56 83.14	220.92
23 21 16 00-0148	EA		8" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	9,523.78 105.20	282.28
23 21 16 00-0149	EA		10" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	13,136.01 128.87	343.64
23 21 16 00-0150	EA		12" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	15,000.13 260.02	433.24
23 21 16 00-0151	EA		14" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	17,736.80 184.10	490.92
23 21 16 00-0152	EA		16" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	22,146.90 202.51	540.01
23 21 16 00-0153			Bronze Body, Duplex Strainers <small>(23 21 16 00-0133)</small>		
23 21 16 00-0154			Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainers <small>(23 21 16 00-0153)</small> <i>Note: With brass or stainless steel basket.</i>		
23 21 16 00-0155	EA		3/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	663.60 10.52	17.60
23 21 16 00-0156	EA		1" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	736.63 12.05	20.06
23 21 16 00-0157	EA		1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,074.86 14.14	23.57
23 21 16 00-0158	EA		1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,410.35 15.41	25.69
23 21 16 00-0159	EA		2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,821.02 18.85	31.32
23 21 16 00-0160	EA		2-1/2" Screwed, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,237.59 24.06	40.12
23 21 16 00-0161			Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainers <small>(23 21 16 00-0153)</small> <i>Note: With brass or stainless steel basket.</i>		
23 21 16 00-0162	EA		2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,563.46 35.19	93.81
23 21 16 00-0163	EA		2-1/2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,642.08 38.39	102.05
23 21 16 00-0164	EA		3" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,615.15 44.93	119.65
23 21 16 00-0165	EA		4" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	5,689.05 65.75	174.89



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0166 EA 6" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	12,304.10 83.14	220.92
23 21 16 00-0167 Cast Steel Body, Duplex Strainers <small>(23 21 16 00-0133)</small>		
23 21 16 00-0168 Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers <small>(23 21 16 00-0167)</small> Note: With brass or stainless steel basket.		
23 21 16 00-0169 EA 1" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,029.41 12.05	20.06
23 21 16 00-0170 EA 1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,267.20 14.14	23.57
23 21 16 00-0171 EA 1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,502.29 15.41	25.69
23 21 16 00-0172 EA 2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,535.98 18.85	31.32
23 21 16 00-0173 Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers <small>(23 21 16 00-0167)</small> Note: With brass or stainless steel basket.		
23 21 16 00-0174 EA 2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,606.93 35.19	93.81
23 21 16 00-0175 EA 2-1/2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,864.92 38.39	102.05
23 21 16 00-0176 EA 3" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,760.54 44.93	119.65
23 21 16 00-0177 EA 4" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	5,511.69 65.75	174.89
23 21 16 00-0178 EA 6" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	9,378.30 83.14	220.92
23 21 16 00-0179 EA 8" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	18,223.25 105.20	282.28
23 21 16 00-0180 Stainless Steel Body, Duplex Strainers <small>(23 21 16 00-0133)</small>		
23 21 16 00-0181 Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers <small>(23 21 16 00-0180)</small> Note: With stainless steel basket.		
23 21 16 00-0182 EA 1" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	4,337.22 12.05	20.06
23 21 16 00-0183 EA 1-1/4" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	5,482.12 14.14	23.57
23 21 16 00-0184 EA 1-1/2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,616.35 15.41	25.69
23 21 16 00-0185 EA 2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	10,606.58 18.85	31.32
23 21 16 00-0186 Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers <small>(23 21 16 00-0180)</small> Note: With stainless steel basket.		
23 21 16 00-0187 EA 2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	11,098.70 35.19	93.81
23 21 16 00-0188 EA 2-1/2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	11,666.40 38.39	102.05
23 21 16 00-0189 EA 3" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	18,292.94 44.93	119.65
23 21 16 00-0190 EA 4" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	22,341.11 65.75	174.89
23 21 16 00-0191 EA 6" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	39,269.06 83.14	220.92
23 21 16 00-0192 EA 8" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	72,605.10 105.20	282.28
23 21 16 00-0193 Pressure Regulating Valve <small>(23 21 16)</small>		
23 21 16 00-0194 Screwed Ends, Water Pressure Reducing Valves <small>(23 21 16 00-0193)</small> Note: For building services, 25 - 75 PSI, up to 300 Lbs. rating, iron construction.		
23 21 16 00-0195 EA 1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	96.80 10.55	8.79
23 21 16 00-0196 EA 3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	117.63 11.72	9.85
23 21 16 00-0197 EA 1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	150.90 12.41	10.55
23 21 16 00-0198 EA 1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	249.34 14.07	11.82
23 21 16 00-0199 EA 1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	335.54 16.88	14.07
23 21 16 00-0200 EA 2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	483.06 25.91	21.57

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0201	EA		2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	526.73 29.15	24.28
23 21 16 00-0202	EA		3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	579.23 32.38	70.27
23 21 16 00-0203			Cast Iron Body, Steam Pressure Regulator And Reducer (23 21 16 00-0193) Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0204			Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer (23 21 16 00-0203)		
23 21 16 00-0205	EA		1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	158.24 14.17	11.83
23 21 16 00-0206	EA		3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	201.31 20.11	16.75
23 21 16 00-0207	EA		1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	257.03 24.55	20.41
23 21 16 00-0208	EA		1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	338.12 28.53	24.77
23 21 16 00-0209	EA		1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	446.12 32.48	28.15
23 21 16 00-0210	EA		2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	524.06 39.53	39.53
23 21 16 00-0211			Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer (23 21 16 00-0203) Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0212	EA		2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	1,133.86 35.94	95.53
23 21 16 00-0213	EA		3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	1,406.34 42.05	112.00
23 21 16 00-0214	EA		4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	1,831.12 70.59	187.77
23 21 16 00-0215	EA		6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	4,433.20 83.10	220.81
23 21 16 00-0216			Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0193)		
23 21 16 00-0217			Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0216)		
23 21 16 00-0218	EA		1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	803.91 12.88	8.59
23 21 16 00-0219	EA		3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	820.42 12.88	8.59
23 21 16 00-0220	EA		1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	877.53 16.26	10.84
23 21 16 00-0221	EA		1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,033.49 20.69	13.79
23 21 16 00-0222	EA		1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,183.41 23.86	15.90
23 21 16 00-0223	EA		2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,465.21 28.08	18.72
23 21 16 00-0224			Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0216)		
23 21 16 00-0225	EA		2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,812.29 35.94	95.53
23 21 16 00-0226	EA		3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	2,232.43 42.05	112.00
23 21 16 00-0227	EA		4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	3,391.09 70.59	187.77
23 21 16 00-0228	EA		6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	7,356.90 83.10	220.81
23 21 16 00-0229			Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves (23 21 16 00-0193)		
23 21 16 00-0230	EA		1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	106.94 130.55	9.14
23 21 16 00-0231	EA		3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	168.91 282.63	10.76
23 21 16 00-0232	EA		1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	381.44 548.28	12.25
23 21 16 00-0233	EA		1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	594.13 656.73	14.63
23 21 16 00-0234	EA		1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	548.28 594.13	22.41
23 21 16 00-0235	EA		2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	594.13 656.73	24.41
23 21 16 00-0236	EA		2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	656.73 91.77	28.10
23 21 16 00-0237	EA		3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	91.77 8.79	
23 21 16 00-0238			Screwed Ends, Bronze Body, Water Pressure Reducing Valves (23 21 16 00-0193) Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0239	EA		1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	91.77 8.79	8.79



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0240	EA			3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	100.99	9.85
23 21 16 00-0241	EA			1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	123.21	10.90
23 21 16 00-0242	EA			1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	275.75	11.82
23 21 16 00-0243	EA			1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	300.61	14.07
23 21 16 00-0244	EA			2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	471.69	21.57
23 21 16 00-0245				Dual Unit Reducing And Relief Valve <small>(23 21 16)</small>		
23 21 16 00-0246	EA			1/2" Dual Unit Reducing And Relief Valve	104.63	21.47
23 21 16 00-0247				Safety Relief Valve <small>(23 21 16)</small>		
				Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0248				Threaded Inlet, Bronze Body Safety Valves <small>(23 21 16 00-0247)</small>		
				Note: Variable set points to 150 psig pressure, 210 Degree F temperature range.		
23 21 16 00-0249	EA			1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve	44.97	8.79
23 21 16 00-0250	EA			3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve	59.32	9.68
23 21 16 00-0251	EA			1" x 1" Threaded Inlet, Bronze Body Safety Valve	83.09	11.78
23 21 16 00-0252	EA			1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve	104.17	12.49
23 21 16 00-0253	EA			1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve	142.86	16.71
23 21 16 00-0254	EA			2" x 2" Threaded Inlet, Bronze Body Safety Valve	188.41	19.69
23 21 16 00-0255	EA			2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve	216.36	24.62
23 21 16 00-0256				Threaded, Bronze Body, Temperature And Pressure Relief Valves <small>(23 21 16)</small>		
23 21 16 00-0257	EA			1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	47.44	17.94
				<i>For Cast Iron Body, Add</i>	22.66	
23 21 16 00-0258	EA			3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	60.43	21.53
				<i>For Cast Iron Body, Add</i>	31.58	
23 21 16 00-0259	EA			1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve	87.13	28.70
				<i>For Cast Iron Body, Add</i>	50.29	
23 21 16 00-0260	EA			1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	135.75	30.74
				<i>For Cast Iron Body, Add</i>	106.88	
23 21 16 00-0261	EA			1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	219.83	34.47
				<i>For Cast Iron Body, Add</i>	204.46	
23 21 16 00-0262	EA			2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	259.07	49.54
				<i>For Cast Iron Body, Add</i>	222.64	
23 21 16 00-0263				Thermostatic Radiator Valves <small>(23 21 16)</small>		
				Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0264	EA			1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015)	42.66	11.35
23 21 16 00-0265	EA			3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020)	51.38	15.30
23 21 16 00-0266	EA			1" Straight Thermostatic Radiator Valve (Danfoss 013G8025)	69.46	18.52
23 21 16 00-0267	EA			1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032)	102.62	23.46
23 21 16 00-0268	EA			1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014)	42.66	11.35
23 21 16 00-0269	EA			3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019)	51.38	15.30
23 21 16 00-0270	EA			1" Angle Thermostatic Radiator Valve (Danfoss 013G8024)	69.46	18.52
23 21 16 00-0271	EA			1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031)	102.62	23.46
23 21 16 00-0272	EA			Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240)	53.96	8.79
23 21 16 00-0273	EA			Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922)	79.70	12.32
23 21 16 00-0274				Radiator Trap Repair Kits <small>(23 21 16)</small>		
				Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0275	EA			1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031)	78.70	
23 21 16 00-0276	EA			3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032)	98.20	
23 21 16 00-0277	EA			1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026)	99.05	
23 21 16 00-0278	EA			3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027)	112.75	
23 21 16 00-0279	EA			1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028)	263.17	
23 21 16 00-0280				Horizontal Steel Expansion Tanks <small>(23 21 16)</small>		
				Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.		
23 21 16 00-0281	EA			10 Gallon Horizontal Steel Expansion Tank	406.22	70.38
23 21 16 00-0282	EA			15 Gallon Horizontal Steel Expansion Tank	574.15	87.98
23 21 16 00-0283	EA			30 Gallon Horizontal Steel Expansion Tank	752.04	105.57
23 21 16 00-0284	EA			40 Gallon Horizontal Steel Expansion Tank	865.75	123.17
23 21 16 00-0285	EA			60 Gallon Horizontal Steel Expansion Tank	991.24	122.73
23 21 16 00-0286				Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks <small>(23 21 16)</small>		
				Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.		
23 21 16 00-0287	EA			7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,285.57	52.79
23 21 16 00-0288	EA			10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,337.46	61.59
23 21 16 00-0289	EA			21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,010.61	70.38
23 21 16 00-0290	EA			33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,088.72	79.17
23 21 16 00-0291	EA			44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,846.59	87.98
23 21 16 00-0292	EA			55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,999.34	96.78
23 21 16 00-0293	EA			68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,573.65	105.57
23 21 16 00-0294	EA			77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,823.21	114.36

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0295 EA 90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	4,215.98	123.17
23 21 16 00-0296 EA 110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	4,323.79	140.76
23 21 16 00-0297 EA 132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	5,438.13	158.36
23 21 16 00-0298 EA 158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	6,239.81	175.95
23 21 16 00-0299 EA 211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	7,238.06	211.14
23 21 16 00-0300 Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (23 21 16)		
Note: ASME. Precharged with working pressure 125 psi (Armstrong AX)		
23 21 16 00-0301 EA 8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,471.15	52.79
23 21 16 00-0302 EA 11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,512.95	61.59
23 21 16 00-0303 EA 22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,180.05	70.38
23 21 16 00-0304 EA 34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,324.73	79.17
23 21 16 00-0305 EA 44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,965.60	87.98
23 21 16 00-0306 EA 56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,116.33	96.78
23 21 16 00-0307 EA 67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,809.65	105.57
23 21 16 00-0308 EA 77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,117.71	114.36
23 21 16 00-0309 EA 91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,556.87	123.17
23 21 16 00-0310 EA 111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,658.63	140.76
23 21 16 00-0311 EA 132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,742.71	158.36
23 21 16 00-0312 EA 158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	6,669.46	175.95
23 21 16 00-0313 EA 211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	7,675.77	211.14
23 21 16 00-0314 Diaphragm Type (Residential Style) Steel Expansion Tanks (23 21 16)		
23 21 16 00-0315 EA 2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1)	54.03	6.47
23 21 16 00-0316 EA 4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1)	76.67	6.47
23 21 16 00-0317 Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks (23 21 16)		
23 21 16 00-0318 EA 15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	718.41	211.21
23 21 16 00-0319 EA 20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	748.52	211.21
23 21 16 00-0320 EA 30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	778.63	211.21
23 21 16 00-0321 EA 40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	856.90	211.21
23 21 16 00-0322 EA 47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,024.50	281.45
23 21 16 00-0323 EA 60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,204.75	281.59
23 21 16 00-0324 EA 80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,240.51	281.59
23 21 16 00-0325 EA 87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,276.28	281.59
23 21 16 00-0326 EA 120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,623.83	351.90
23 21 16 00-0327 EA 187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	4,655.90	351.90
23 21 16 00-0328 EA 264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	5,921.23	422.14
23 21 16 00-0329 ASME Construction Compression Tanks (23 21 16)		
Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height.		
23 21 16 00-0330 EA 15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank.....	570.15	123.87
<i>For Galvanized Steel Tanks, Add</i>		
	191.24	
23 21 16 00-0331 EA 24 Gallon, 13" x 51" ASME Construction Compression Tank	581.65	127.39
<i>For Galvanized Steel Tanks, Add</i>		
	194.05	
23 21 16 00-0332 EA 30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank.....	632.98	131.62
<i>For Galvanized Steel Tanks, Add</i>		
	216.55	
23 21 16 00-0333 EA 40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank.....	691.33	136.54
<i>For Galvanized Steel Tanks, Add</i>		
	241.86	
23 21 16 00-0334 EA 60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank.....	803.13	144.28
<i>For Galvanized Steel Tanks, Add</i>		
	292.48	
23 21 16 00-0335 EA 80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank.....	834.48	149.91
<i>For Galvanized Steel Tanks, Add</i>		
	303.73	
23 21 16 00-0336 EA 100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank.....	1,028.77	163.29
<i>For Galvanized Steel Tanks, Add</i>		
	390.91	
23 21 16 00-0337 EA 120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank.....	1,120.52	175.25
<i>For Galvanized Steel Tanks, Add</i>		
	427.47	
23 21 16 00-0338 EA 144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank.....	1,390.16	197.77
<i>For Galvanized Steel Tanks, Add</i>		
	545.34	
23 21 16 00-0339 EA 180 Gallon, 30" x 60" ASME Construction Compression Tank.....	1,760.71	226.63
<i>For Galvanized Steel Tanks, Add</i>		
	708.70	
23 21 16 00-0340 EA 202 Gallon, 30" x 72" ASME Construction Compression Tank.....	2,105.07	251.26
<i>For Galvanized Steel Tanks, Add</i>		
	862.32	
23 21 16 00-0341 EA 230 Gallon, 30" x 84" ASME Construction Compression Tank.....	2,301.75	273.07
<i>For Galvanized Steel Tanks, Add</i>		
	943.87	
23 21 16 00-0342 EA 280 Gallon, 30" x 96" ASME Construction Compression Tank.....	2,898.64	299.82
<i>For Galvanized Steel Tanks, Add</i>		
	1,222.29	
23 21 16 00-0343 EA 306 Gallon, 30" x 108" ASME Construction Compression Tank.....	2,992.81	320.23
<i>For Galvanized Steel Tanks, Add</i>		
	1,253.72	
23 21 16 00-0344 EA 340 Gallon, 36" x 84" ASME Construction Compression Tank.....	3,842.97	344.16
<i>For Galvanized Steel Tanks, Add</i>		
	1,660.82	
23 21 16 00-0345 EA 550 Gallon, 36" x 96" ASME Construction Compression Tank.....	6,366.92	403.98
<i>For Galvanized Steel Tanks, Add</i>		
	2,877.46	
23 21 16 00-0346 Compression Tank Air Fittings (23 21 16)		
23 21 16 00-0347 EA 9" To 24" Diameter Compression Tank Air Fittings.....	94.51	19.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0348 EA >100 Gallon Compression Tank Air Fittings	281.84	23.22
23 21 16 00-0349 Vortex Air Separators With Strainer <small>(23 21 16)</small>		
<small>Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.</small>		
23 21 16 00-0350 EA 2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N)	889.40	149.91
<i>For 300 PSIG, Add</i>	99.36	
23 21 16 00-0351 EA 2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N)	1,099.40	171.73
<i>For 300 PSIG, Add</i>	125.81	
23 21 16 00-0352 EA 3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N)	1,685.60	202.00
<i>For 300 PSIG, Add</i>	206.94	
23 21 16 00-0353 EA 3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F)	1,801.60	213.86
<i>For 300 PSIG, Add</i>	221.64	
23 21 16 00-0354 EA 4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F)	2,325.06	285.15
<i>For 300 PSIG, Add</i>	283.95	
23 21 16 00-0355 EA 5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F)	2,923.58	333.82
<i>For 300 PSIG, Add</i>	362.73	
23 21 16 00-0356 EA 6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F)	3,469.12	378.01
<i>For 300 PSIG, Add</i>	434.46	
23 21 16 00-0357 EA 8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F)	4,990.70	453.48
<i>For 300 PSIG, Add</i>	645.51	
23 21 16 00-0358 EA 10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F)	7,686.85	515.47
<i>For 300 PSIG, Add</i>	1,035.88	
23 21 16 00-0359 EA 12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F)	10,369.57	667.04
<i>For 300 PSIG, Add</i>	1,403.83	
23 21 16 00-0360 EA 14" Flanged, 3400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-14F)	21,617.43	810.02
<i>For 300 PSIG, Add</i>	3,058.52	
23 21 16 00-0361 EA 16" Flanged, 4400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)	26,688.27	972.02
<i>For 300 PSIG, Add</i>	3,782.33	
23 21 16 00-0362 EA 18" Flanged, 5200 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)	34,824.98	1,134.02
<i>For 300 PSIG, Add</i>	4,966.01	
23 21 16 00-0363 EA 20" Flanged, 6300 GPM With Strainer, Vortex Air Separator (Rolairtrol R-20F)	40,747.35	1,296.03
<i>For 300 PSIG, Add</i>	5,817.55	
23 21 16 00-0364 Vortex Air Separators <small>(23 21 16)</small>		
<small>Note: Without system strainer.</small>		
23 21 16 00-0365 EA 2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N)	760.06	149.91
<i>For 300 PSIG, Add</i>	79.95	
23 21 16 00-0366 EA 2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N)	958.31	171.73
<i>For 300 PSIG, Add</i>	104.65	
23 21 16 00-0367 EA 3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N)	1,650.33	202.00
<i>For 300 PSIG, Add</i>	201.65	
23 21 16 00-0368 EA 3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F)	1,491.98	213.86
<i>For 300 PSIG, Add</i>	175.19	
23 21 16 00-0369 EA 4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F)	1,999.76	285.15
<i>For 300 PSIG, Add</i>	235.16	
23 21 16 00-0370 EA 5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F)	2,582.60	333.82
<i>For 300 PSIG, Add</i>	311.59	
23 21 16 00-0371 EA 6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F)	3,006.64	378.01
<i>For 300 PSIG, Add</i>	365.09	
23 21 16 00-0372 EA 8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F)	8,306.45	453.48
<i>For 300 PSIG, Add</i>	1,142.87	
23 21 16 00-0373 EA 10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F)	5,574.34	515.47
<i>For 300 PSIG, Add</i>	719.00	
23 21 16 00-0374 EA 12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F)	8,594.60	667.04
<i>For 300 PSIG, Add</i>	1,137.58	
23 21 16 00-0375 Grooved, With Strainer, Vortex Air Separators <small>(23 21 16)</small>		
23 21 16 00-0376 EA 3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G)	1,580.03	171.08
23 21 16 00-0377 EA 4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G)	2,238.44	227.97
23 21 16 00-0378 EA 5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G)	2,822.49	266.82
23 21 16 00-0379 EA 6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G)	3,354.53	302.41
23 21 16 00-0380 EA 8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G)	4,845.40	362.89
23 21 16 00-0381 EA 10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G)	7,836.35	412.37
23 21 16 00-0382 EA 12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G)	11,933.43	533.69
23 21 16 00-0383 Grooved Vortex Air Separators <small>(23 21 16)</small>		
<small>Note: Without system strainer.</small>		
23 21 16 00-0384 EA 3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G)	1,258.65	171.08
23 21 16 00-0385 EA 4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G)	1,913.14	227.97
23 21 16 00-0386 EA 5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G)	2,481.51	266.82
23 21 16 00-0387 EA 6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G)	2,892.05	302.41
23 21 16 00-0388 EA 8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G)	3,865.57	362.89
23 21 16 00-0389 EA 10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G)	5,692.48	412.37
23 21 16 00-0390 EA 12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G)	9,461.06	533.69
23 21 16 00-0391 Basket Strainers <small>(23 21 16)</small>		
23 21 16 00-0392 Bronze Body Basket Strainers <small>(23 21 16 00-0391)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0393 Screwed Ends, Bronze Body Basket Strainers (23 21 16 00-0392)		
23 21 16 00-0394 EA 1/2" Screwed Ends, Bronze Body Basket Strainer.....	131.89	14.08
For Work In Restricted Working Space, Add	8.38	
23 21 16 00-0395 EA 3/4" Screwed Ends, Bronze Body Basket Strainer.....	155.80	16.54
For Work In Restricted Working Space, Add	9.84	
23 21 16 00-0396 EA 1" Screwed Ends, Bronze Body Basket Strainer.....	181.11	19.70
For Work In Restricted Working Space, Add	11.73	
23 21 16 00-0397 EA 1-1/4" Screwed Ends, Bronze Body Basket Strainer	223.65	21.82
For Work In Restricted Working Space, Add	13.08	
23 21 16 00-0398 EA 1-1/2" Screwed Ends, Bronze Body Basket Strainer	263.26	24.63
For Work In Restricted Working Space, Add	14.77	
23 21 16 00-0399 EA 2" Screwed Ends, Bronze Body Basket Strainer.....	385.92	28.15
For Work In Restricted Working Space, Add	16.91	
23 21 16 00-0400 EA 2-1/2" Screwed Ends, Bronze Body Basket Strainer	544.34	37.65
For Work In Restricted Working Space, Add	22.65	
23 21 16 00-0401 EA 3" Screwed Ends, Bronze Body Basket Strainer.....	756.16	40.12
For Work In Restricted Working Space, Add	24.02	
23 21 16 00-0402 Flanged, Bronze Body Basket Strainers (23 21 16 00-0392)		
23 21 16 00-0403 EA 2" Flanged, Bronze Body Basket Strainer.....	616.73	93.81
For Work In Restricted Working Space, Add	35.19	
23 21 16 00-0404 EA 2-1/2" Flanged, Bronze Body Basket Strainer.....	909.38	102.05
For Work In Restricted Working Space, Add	38.39	
23 21 16 00-0405 EA 3" Flanged, Bronze Body Basket Strainer.....	1,033.09	119.65
For Work In Restricted Working Space, Add	44.93	
23 21 16 00-0406 EA 4" Flanged, Bronze Body Basket Strainer.....	1,746.24	200.58
For Work In Restricted Working Space, Add	75.41	
23 21 16 00-0407 EA 6" Flanged, Bronze Body Basket Strainer.....	3,232.91	220.92
For Work In Restricted Working Space, Add	83.14	
23 21 16 00-0408 EA 8" Flanged, Bronze Body Basket Strainer.....	5,837.54	282.28
For Work In Restricted Working Space, Add	105.20	
23 21 16 00-0409 Iron Body Basket Strainers (23 21 16 00-0391)		
23 21 16 00-0410 Screwed Ends, Iron Body Basket Strainers (23 21 16 00-0409)		
23 21 16 00-0411 EA 1/2" Screwed Ends, Iron Body Basket Strainer.....	145.91	14.08
For Work In Restricted Working Space, Add	8.38	
23 21 16 00-0412 EA 3/4" Screwed Ends, Iron Body Basket Strainer.....	164.86	16.54
For Work In Restricted Working Space, Add	9.84	
23 21 16 00-0413 EA 1" Screwed Ends, Iron Body Basket Strainer.....	194.96	19.70
For Work In Restricted Working Space, Add	11.73	
23 21 16 00-0414 EA 1-1/4" Screwed Ends, Iron Body Basket Strainer.....	252.49	21.82
For Work In Restricted Working Space, Add	13.08	
23 21 16 00-0415 EA 1-1/2" Screwed Ends, Iron Body Basket Strainer.....	277.60	24.63
For Work In Restricted Working Space, Add	14.77	
23 21 16 00-0416 EA 2" Screwed Ends, Iron Body Basket Strainer.....	329.13	28.15
For Work In Restricted Working Space, Add	16.91	
23 21 16 00-0417 EA 2-1/2" Screwed Ends, Iron Body Basket Strainer.....	465.15	37.65
For Work In Restricted Working Space, Add	22.65	
23 21 16 00-0418 EA 3" Screwed Ends, Iron Body Basket Strainer.....	523.85	40.12
For Work In Restricted Working Space, Add	24.02	
23 21 16 00-0419 Flanged, Iron Body Basket Strainers (23 21 16 00-0409)		
23 21 16 00-0420 EA 2" Flanged, Iron Body Basket Strainer.....	513.66	93.81
For Work In Restricted Working Space, Add	35.19	
23 21 16 00-0421 EA 2-1/2" Flanged, Iron Body Basket Strainer.....	662.19	102.05
For Work In Restricted Working Space, Add	38.39	
23 21 16 00-0422 EA 3" Flanged, Iron Body Basket Strainer.....	718.44	119.65
For Work In Restricted Working Space, Add	44.93	
23 21 16 00-0423 EA 4" Flanged, Iron Body Basket Strainer.....	1,107.26	200.58
For Work In Restricted Working Space, Add	75.41	
23 21 16 00-0424 EA 6" Flanged, Iron Body Basket Strainer.....	1,942.98	220.92
For Work In Restricted Working Space, Add	83.14	
23 21 16 00-0425 EA 8" Flanged, Iron Body Basket Strainer.....	3,423.86	282.28
For Work In Restricted Working Space, Add	105.20	
23 21 16 00-0426 EA 10" Flanged, Iron Body Basket Strainer.....	5,053.71	343.64
For Work In Restricted Working Space, Add	128.87	
23 21 16 00-0427 EA 12" Flanged, Iron Body Basket Strainer.....	6,352.20	433.24
For Work In Restricted Working Space, Add	259.92	
23 21 16 00-0428 EA 14" Flanged, Iron Body Basket Strainer.....	7,535.53	490.92
For Work In Restricted Working Space, Add	184.10	
23 21 16 00-0429 EA 16" Flanged, Iron Body Basket Strainer.....	7,912.84	540.01
For Work In Restricted Working Space, Add	202.51	
23 21 16 00-0430 Cast Steel Body Basket Strainers (23 21 16 00-0391)		
23 21 16 00-0431 Screwed Ends, Cast Steel Body Basket Strainers (23 21 16 00-0430)		
23 21 16 00-0432 EA 1" Screwed Ends, Cast Steel Body Basket Strainer	340.74	19.70
For Work In Restricted Working Space, Add	11.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0433 EA 1-1/4" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	446.22 13.08	21.82
23 21 16 00-0434 EA 1-1/2" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	502.95 14.76	24.63
23 21 16 00-0435 EA 2" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	701.81 16.91	28.15
23 21 16 00-0436 EA 2-1/2" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	982.96 22.64	37.65
23 21 16 00-0437 EA 3" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,268.76 24.03	40.12
23 21 16 00-0438 Flanged, Cast Steel Body Basket Strainers (23 21 16 00-0430)		
23 21 16 00-0439 EA 2" Flanged, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,056.74 35.19	93.81
23 21 16 00-0440 EA 2-1/2" Flanged, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,501.98 38.39	102.05
23 21 16 00-0441 EA 3" Flanged, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,651.57 44.93	119.65
23 21 16 00-0442 EA 4" Flanged, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	2,360.30 75.41	200.58
23 21 16 00-0443 EA 6" Flanged, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	4,079.61 83.14	220.92
23 21 16 00-0444 EA 8" Flanged, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	6,581.62 105.20	282.28
23 21 16 00-0445 Stainless Steel Body Basket Strainers (23 21 16 00-0391)		
23 21 16 00-0446 Screwed Ends, Stainless Steel Body Basket Strainers (23 21 16 00-0445)		
23 21 16 00-0447 EA 1" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	290.46 11.73	19.70
23 21 16 00-0448 EA 1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	415.66 13.08	21.82
23 21 16 00-0449 EA 1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	429.98 14.76	24.63
23 21 16 00-0450 EA 2" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	632.49 16.91	28.15
23 21 16 00-0451 EA 2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	893.02 22.64	37.65
23 21 16 00-0452 EA 3" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,256.01 24.03	40.12
23 21 16 00-0453 Flanged, Stainless Steel Body Basket Strainers (23 21 16 00-0445)		
23 21 16 00-0454 EA 2" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	974.66 35.19	93.81
23 21 16 00-0455 EA 2-1/2" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,463.16 38.39	102.05
23 21 16 00-0456 EA 3" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,657.91 44.93	119.65
23 21 16 00-0457 EA 4" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	2,802.29 75.41	200.58
23 21 16 00-0458 EA 6" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	4,259.07 83.14	220.92
23 21 16 00-0459 EA 8" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	7,368.82 105.20	282.28
23 21 23 Hydronic Pumps (23 21)		
23 21 23 13 In-Line Centrifugal Hydronic Pumps (23 21 23)		
23 21 23 13-0001 Cast Iron Single Stage In-Line Centrifugal Pump (23 21 23 13) Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.		
23 21 23 13-0002 EA 50 GPM Cast Iron Centrifugal Pump, Single Stage With 100' Head And 3 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	6,863.44 503.99 1,133.99	187.93
23 21 23 13-0003 EA 75 GPM Cast Iron Centrifugal Pump, Single Stage With 100' Head And 5 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	7,435.80 540.29 1,215.66	227.47
23 21 23 13-0004 EA 100 GPM Cast Iron Centrifugal Pump, Single Stage With 150' Head And 7-1/2 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	8,575.89 621.27 1,397.85	270.23
23 21 23 13-0005 EA 125 GPM Cast Iron Centrifugal Pump, Single Stage With 150' Head And 10 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	9,055.32 638.02 1,435.54	360.32
23 21 23 13-0006 EA 150 GPM Cast Iron Centrifugal Pump, Single Stage With 200' Head And 15 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	10,890.65 776.99 1,748.23	392.72
23 21 23 13-0007 EA 200 GPM Cast Iron Centrifugal Pump, Single Stage With 300' Head And 30 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	16,688.13 1,231.36 2,770.57	432.24

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 13-0008 EA 250 GPM Cast Iron Centrifugal Pump, Single Stage With 300' Head And 40 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	19,524.90 1,432.38 3,222.86	539.83
23 21 23 13-0009 EA 300 GPM Cast Iron Centrifugal Pump, Single Stage With 300' Head And 50 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	15,987.11 1,130.84 2,544.40	616.94
23 21 23 13-0010 EA 400 GPM Cast Iron Centrifugal Pump, Single Stage With 400' Head And 75 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	35,329.09 2,673.60 6,015.59	636.35
23 21 23 13-0011 EA 600 GPM Cast Iron Centrifugal Pump, Single Stage With 400' Head And 100 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	38,241.10 2,862.92 6,441.57	817.99

23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps (23 21 23)

23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)

Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.

23 21 23 16-0002 EA 5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T)	3,025.40	205.43
23 21 23 16-0003 EA 7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T)	3,383.46	205.69
23 21 23 16-0004 EA 10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T)	4,450.59	270.23
23 21 23 16-0005 EA 15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T)	4,902.03	332.45
23 21 23 16-0006 EA 15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T)	5,459.89	332.45
23 21 23 16-0007 EA 20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T)	5,336.14	360.32
23 21 23 16-0008 EA 20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T)	5,653.30	360.32
23 21 23 16-0009 EA 25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T)	6,173.37	377.82
23 21 23 16-0010 EA 30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T)	6,904.65	480.20
23 21 23 16-0011 EA 40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T)	7,329.13	539.83
23 21 23 16-0012 EA 60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T)	11,637.21	1,283.32
23 21 23 16-0013 EA 75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T)	16,621.58	1,539.71
23 21 23 16-0014 EA 100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS)	18,989.62	1,924.64

23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0016 EA 40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 1-1/2 HP	2,740.67	150.99
<i>For 300 LB Flanges, Add</i>	617.09	
23 21 23 16-0017 EA 50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 2 HP	3,436.89	162.01
<i>For 300 LB Flanges, Add</i>	798.47	
23 21 23 16-0018 EA 90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 3 HP	4,299.29	173.03
<i>For 300 LB Flanges, Add</i>	1,002.82	
23 21 23 16-0019 EA 100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 5 HP	5,032.81	205.43
<i>For 300 LB Flanges, Add</i>	1,165.62	
23 21 23 16-0020 EA 150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 7.5 HP	5,289.20	205.69
<i>For 300 LB Flanges, Add</i>	1,225.09	
23 21 23 16-0021 EA 200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP	5,688.39	270.23
<i>For 300 LB Flanges, Add</i>	1,300.59	
23 21 23 16-0022 EA 225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP	5,688.39	270.23
<i>For 300 LB Flanges, Add</i>	1,300.59	
23 21 23 16-0023 EA 250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP	5,688.39	270.23
<i>For 300 LB Flanges, Add</i>	1,300.59	
23 21 23 16-0024 EA 300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP	6,926.23	332.45
<i>For 300 LB Flanges, Add</i>	1,582.01	
23 21 23 16-0025 EA 350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP	7,041.40	332.19
<i>For 300 LB Flanges, Add</i>	1,604.77	
23 21 23 16-0026 EA 500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 20 HP	7,418.23	360.32
<i>For 300 LB Flanges, Add</i>	1,692.55	
23 21 23 16-0027 EA 600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 25 HP	8,134.27	377.82
<i>For 300 LB Flanges, Add</i>	1,858.61	
23 21 23 16-0028 EA 750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 30 HP	9,037.71	480.20
<i>For 300 LB Flanges, Add</i>	2,043.41	
23 21 23 16-0029 EA 1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 40 HP	10,248.19	539.83
<i>For 300 LB Flanges, Add</i>	2,319.03	
23 21 23 16-0030 EA 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 60 HP	14,845.94	1,283.32
<i>For 300 LB Flanges, Add</i>	3,092.85	
23 21 23 16-0031 EA 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 75 HP	17,674.46	1,539.71
<i>For 300 LB Flanges, Add</i>	3,676.25	
23 21 23 16-0032 EA 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 100 HP	20,972.65	1,924.64
<i>For 300 LB Flanges, Add</i>	4,315.21	

23 21 23 16-0033 Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0034 EA 40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 1-1/2" HP.....	4,273.07	150.99
<i>For 300 LB Flanges, Add</i>	1,000.19	
23 21 23 16-0035 EA 50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 2 HP.....	4,383.03	162.01
<i>For 300 LB Flanges, Add</i>	1,022.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0036 EA 90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 3 HP <i>For 300 LB Flanges, Add</i>	4,493.08 1,045.50	173.03
23 21 23 16-0037 EA 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 5 HP <i>For 300 LB Flanges, Add</i>	4,886.12 1,141.85	176.92
23 21 23 16-0038 EA 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 7.5 HP <i>For 300 LB Flanges, Add</i>	8,014.43 1,911.03	205.43
23 21 23 16-0039 EA 250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 10 HP <i>For 300 LB Flanges, Add</i>	10,718.82 2,574.64	270.23
23 21 23 16-0040 EA 350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 15 HP <i>For 300 LB Flanges, Add</i>	10,922.47 2,609.11	291.62
23 21 23 16-0041 EA 500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 20 HP <i>For 300 LB Flanges, Add</i>	11,526.50 2,732.08	324.02
23 21 23 16-0042 EA 750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 25 HP <i>For 300 LB Flanges, Add</i>	12,845.77 3,068.26	318.48
23 21 23 16-0043 EA 1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 40 HP <i>For 300 LB Flanges, Add</i>	14,361.59 3,406.30	409.30
23 21 23 16-0044 EA 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 50 HP <i>For 300 LB Flanges, Add</i>	18,243.40 4,313.40	513.47
23 21 23 16-0045 EA 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 75 HP <i>For 300 LB Flanges, Add</i>	20,524.54 4,821.82	641.32
23 21 23 16-0046 EA 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP <i>For 300 LB Flanges, Add</i>	29,319.69 6,958.74	769.85
23 21 23 16-0047 EA 3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 150 HP <i>For 300 LB Flanges, Add</i>	56,145.37 13,623.92	855.09
23 21 23 16-0048 EA 4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 200 HP <i>For 300 LB Flanges, Add</i>	59,568.42 14,361.85	1,099.80
23 21 23 16-0049 Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump <small>(23 21 23 16)</small>		
Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.		
23 21 23 16-0050 EA 100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 40 HP <i>For 300 LB Flanges, Add</i>	15,337.58 3,684.85	332.45
23 21 23 16-0051 EA 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 50 HP <i>For 300 LB Flanges, Add</i>	16,614.69 3,991.66	360.32
23 21 23 16-0052 EA 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 75 HP <i>For 300 LB Flanges, Add</i>	19,970.58 4,770.72	484.68
23 21 23 16-0053 EA 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 100 HP <i>For 300 LB Flanges, Add</i>	39,478.54 9,564.48	665.99
23 21 23 16-0054 EA 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 200 HP <i>For 300 LB Flanges, Add</i>	48,318.58 11,672.77	887.98
23 21 23 16-0055 Cast Iron Close Coupling Pumps <small>(23 21 23 16)</small>		
23 21 23 16-0056 Foot Mounted Cast Iron Close Coupled Pumps <small>(23 21 23 16-0055)</small>		
23 21 23 16-0057 EA 3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM)	2,715.67	194.41
23 21 23 16-0058 EA 3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM)	2,943.83	194.41
23 21 23 16-0059 EA 5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM)	3,265.81	205.22
23 21 23 16-0060 EA 5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM)	3,467.65	205.22
23 21 23 16-0061 EA 7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM)	3,971.41	215.80
23 21 23 16-0062 EA 10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM)	4,697.17	255.68
23 21 23 16-0063 EA 15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP)	6,152.58	314.98
23 21 23 16-0064 EA 20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP)	6,588.87	340.92
23 21 23 16-0065 EA 25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP)	7,613.39	368.19
23 21 23 16-0066 Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt <small>(23 21 23 16)</small>		
23 21 23 16-0067 EA 1/3 HP, Centrifugal Pump, Polypropylene Body	1,748.58	100.43
23 21 23 16-0068 EA 1/2 HP, Centrifugal Pump, Polypropylene Body	1,867.04	106.49
23 21 23 16-0069 EA 3/4 HP, Centrifugal Pump, Polypropylene Body	2,205.94	113.39
23 21 23 23 Vertical-Turbine Hydronic Pumps <small>(23 21 23)</small>		
23 21 23 23-0001 Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps <small>(23 21 23 23)</small>		
Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.		
23 21 23 23-0002 EA 50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage, 2 HP	7,751.68	480.20
<i>For Each Extra Column Assembly <60", Add</i>	648.94	
<i>For Basket Strainer, Galvanized Steel Pipe Sizes 3" To 8", Add</i>	281.27	
<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	203.75	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	23 23-0003	EA	100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage, 3 HP	8,123.96	539.83
			<i>For Each Extra Column Assembly <60", Add</i>	678.95	
			<i>For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add</i>	295.92	
			<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	214.68	
23 21	23 23-0004	EA	250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage, 15 HP	9,775.72	513.47
			<i>For Each Extra Column Assembly <60", Add</i>	818.88	
			<i>For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add</i>	354.21	
			<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	256.45	
23 21	23 23-0005	EA	500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage, 25 HP	10,559.37	592.52
			<i>For Each Extra Column Assembly <60", Add</i>	882.82	
			<i>For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add</i>	384.30	
			<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	278.71	
23 21	23 23-0006	EA	1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage, 50 HP	12,972.13	641.32
			<i>For Each Extra Column Assembly <60", Add</i>	1,079.01	
			<i>For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add</i>	477.64	
			<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	347.92	
23 21	23 23-0007	EA	2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage, 100 HP	20,667.91	769.85
			<i>For Each Extra Column Assembly <60", Add</i>	1,702.92	
			<i>For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add</i>	777.23	
			<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	570.55	

23 21 29 Automatic Condensate Pump Units (23 21)

23 21	29 00-0001		Automatic Shallow Pan Condensate Pump (23 21 29)		
23 21	29 00-0002	EA	1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS)	145.35	21.06
23 21	29 00-0003	EA	1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS)	158.26	21.06
23 21	29 00-0004	EA	1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS)	249.71	24.30

23 21 29 00-0005 Automatic Condensate Pump With Tank (23 21 29)

23 21	29 00-0006	EA	1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL)	78.11	16.21
23 21	29 00-0007	EA	1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20)	83.63	16.21
23 21	29 00-0008	EA	1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS)	141.12	21.06
23 21	29 00-0009	EA	1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS)	151.83	24.30
23 21	29 00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS)	286.22	27.55

23 22 Steam And Condensate Piping And Pumps (23 20)**23 22 13 Steam and Condensate Heating Piping (23 22)**

23 22	13 00-0001		Ric-Wil System Pipe And Casing (23 22 13)		
			Note: Larger pipe size is usually for the condensate return. Perma, Ric-Wil or Thermacol.		
23 22	13 00-0002		Steam Or Condensate Pipe (23 22 13 00-0001)		
			Note: Excludes return.		
23 22	13 00-0003	LF	2" Steam Or Condensate Pipe, 6" Case With No Return Line	55.16	5.93
23 22	13 00-0004	LF	2" Steam Or Condensate Pipe, 8" Case With No Return Line	58.64	6.58
23 22	13 00-0005	LF	3" Steam Or Condensate Pipe, 8" Case With No Return Line	68.76	7.90
23 22	13 00-0006	LF	4" Steam Or Condensate Pipe, 10" Case With No Return Line	86.93	11.85
23 22	13 00-0007	LF	6" Steam Or Condensate Pipe, 11-1/2" Case With No Return Line	116.96	17.78

23 22 16 Steam And Condensate Heating Piping Specialties (23 22)

23 22	16 00-0001		High Temperature Safety Relief Valve (23 22 16)		
			Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.		
23 22	16 00-0002		Cast Iron Body Safety Valve, Steam Or Water (23 22 16 00-0001)		
			Note: Variable set points to 500 psig pressure, 400 Degree F temperature range.		
23 22	16 00-0003		Threaded (23 22 16 00-0002)		
23 22	16 00-0004	EA	3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	198.65	10.55
23 22	16 00-0005	EA	1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	210.21	12.49
23 22	16 00-0006	EA	1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	235.16	15.82
23 22	16 00-0007	EA	1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	286.96	17.59
23 22	16 00-0008	EA	2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	365.95	21.63
23 22	16 00-0009	EA	2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	553.55	24.62
23 22	16 00-0010	EA	3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	602.21	28.31
23 22	16 00-0011		Flanged (23 22 16 00-0002)		
23 22	16 00-0012	EA	1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	1,317.39	73.87
23 22	16 00-0013	EA	2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	1,546.02	111.04
23 22	16 00-0014	EA	2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	1,697.91	102.22
23 22	16 00-0015	EA	2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	2,073.91	147.64
23 22	16 00-0016	EA	3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	2,190.04	110.10
23 22	16 00-0017	EA	3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	2,582.08	147.64
23 22	16 00-0018	EA	4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,302.46	209.52
23 22	16 00-0019	EA	6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	8,467.58	233.98



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0020				Bronze Body Safety Valve, Threaded, Steam <small>(2322 16 00-0001)</small> Note: Variable set points to 250 psig pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 psig pressure.		
	EA			3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam.....	213.29	9.68
	EA			3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam.....	219.49	10.55
	EA			1" x 1" Threaded Bronze Body Safety Relief Valve, Steam.....	255.74	11.61
	EA			1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam.....	281.89	12.49
	EA			1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam.....	325.55	14.07
	EA			1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	329.83	15.82
	EA			1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	369.26	16.71
	EA			1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam.....	401.44	17.59
	EA			2" x 2" Threaded Bronze Body Safety Relief Valve, Steam.....	549.99	19.69
	EA			2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	601.23	21.63
	EA			2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	715.53	24.62
23 22 16 00-0032				Bronze Body Safety Valve, Threaded, Water <small>(2322 16 00-0001)</small> Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.		
	EA			3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water.....	108.37	9.68
	EA			3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water.....	122.77	10.55
	EA			1" x 1" Threaded Bronze Body Safety Relief Valve, Water.....	165.37	11.61
	EA			1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water.....	181.62	12.49
	EA			1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water.....	256.48	14.07
	EA			1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water.....	342.44	16.71
	EA			2" x 2" Threaded Bronze Body Safety Relief Valve, Water.....	492.22	19.69
23 22 16 00-0040				Steam Temperature Regulator, Iron Body <small>(23 22 16)</small>		
23 22 16 00-0041				Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body <small>(23 22 16 00-0040)</small> Note: Up to 150 PSI.		
	EA			1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	497.44	10.13
	EA			3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	525.98	13.65
	EA			1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	696.90	16.81
	EA			1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	771.77	21.25
	EA			1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	794.29	24.41
	EA			2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	936.57	26.55
	EA			2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,205.44	48.64
	EA			3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,516.92	53.04
	EA			4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,264.90	124.16
	EA			6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,712.23	145.72
23 22 16 00-0052				Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body <small>(23 22 16 00-0040)</small>		
	EA			1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	733.14	10.13
	EA			3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	762.04	13.65
	EA			1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	798.27	16.81
	EA			1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	956.46	21.25
	EA			1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,026.20	24.41
	EA			2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,164.30	26.55
	EA			2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,791.45	48.64
	EA			3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,081.43	53.04
	EA			4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,926.67	124.16
	EA			6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,677.83	145.72
23 22 16 00-0063				Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body <small>(23 22 16 00-0040)</small>		
	EA			1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	995.95	10.13
	EA			3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,013.38	13.65
	EA			1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,110.71	16.81
	EA			1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,211.97	21.25
	EA			1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,258.10	24.41
	EA			2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,418.43	26.55
	EA			2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,624.63	48.64
	EA			3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,927.44	53.04
	EA			4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,755.02	124.16
	EA			6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,240.85	145.72
23 22 16 00-0074				Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body <small>(23 22 16 00-0040)</small>		
	EA			1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,273.68	10.13
	EA			3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,289.73	13.65
	EA			1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,402.33	16.81
	EA			1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,464.69	21.25
	EA			1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,523.32	24.41

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 22 Steam And Condensate Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0080 EA 2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,658.66	26.55
23 22 16 00-0081 EA 2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,763.50	48.64
23 22 16 00-0082 EA 3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,074.83	53.04
23 22 16 00-0083 EA 4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,902.41	124.16
23 22 16 00-0084 EA 6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,388.24	145.72
23 22 16 00-0085 Steam Traps (23 22 16)		
23 22 16 00-0086 Inverted Bucket Steam Traps (23 22 16 00-0085)		
23 22 16 00-0087 EA 1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	203.66	21.11
<i>For Work In Restricted Working Space, Add</i>	12.67	
23 22 16 00-0088 EA 3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	205.41	21.99
<i>For Work In Restricted Working Space, Add</i>	13.19	
23 22 16 00-0089 EA 1" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	306.78	23.43
<i>For Work In Restricted Working Space, Add</i>	14.08	
23 22 16 00-0090 EA 1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	497.08	31.98
<i>For Work In Restricted Working Space, Add</i>	19.19	
23 22 16 00-0091 EA 1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	741.25	39.42
<i>For Work In Restricted Working Space, Add</i>	23.46	
23 22 16 00-0092 EA 2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	944.64	58.65
<i>For Work In Restricted Working Space, Add</i>	35.19	
23 22 16 00-0093 Float And Thermostatic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0094 EA 3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	215.31	21.99
<i>For Work In Restricted Working Space, Add</i>	13.19	
23 22 16 00-0095 EA 1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	284.46	23.45
<i>For Work In Restricted Working Space, Add</i>	14.08	
23 22 16 00-0096 EA 1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	351.40	31.99
<i>For Work In Restricted Working Space, Add</i>	19.19	
23 22 16 00-0097 EA 1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	475.87	39.09
<i>For Work In Restricted Working Space, Add</i>	23.46	
23 22 16 00-0098 EA 2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	871.94	58.62
<i>For Work In Restricted Working Space, Add</i>	35.19	
23 22 16 00-0099 EA 3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	274.97	21.99
<i>For Work In Restricted Working Space, Add</i>	13.19	
23 22 16 00-0100 EA 1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	298.90	23.43
<i>For Work In Restricted Working Space, Add</i>	14.08	
23 22 16 00-0101 EA 1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	390.77	31.98
<i>For Work In Restricted Working Space, Add</i>	19.19	
23 22 16 00-0102 EA 1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	562.49	39.06
<i>For Work In Restricted Working Space, Add</i>	23.46	
23 22 16 00-0103 EA 2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	959.88	58.64
<i>For Work In Restricted Working Space, Add</i>	35.19	
23 22 16 00-0104 EA 3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	357.65	21.99
<i>For Work In Restricted Working Space, Add</i>	13.19	
23 22 16 00-0105 EA 1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	398.65	23.45
<i>For Work In Restricted Working Space, Add</i>	14.08	
23 22 16 00-0106 EA 1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	607.33	31.98
<i>For Work In Restricted Working Space, Add</i>	19.19	
23 22 16 00-0107 EA 1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	621.56	39.06
<i>For Work In Restricted Working Space, Add</i>	23.46	
23 22 16 00-0108 EA 2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,207.92	58.65
<i>For Work In Restricted Working Space, Add</i>	35.19	
23 22 16 00-0109 EA 3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	362.90	21.99
<i>For Work In Restricted Working Space, Add</i>	13.19	
23 22 16 00-0110 EA 1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	398.65	23.45
<i>For Work In Restricted Working Space, Add</i>	14.08	
23 22 16 00-0111 EA 1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap.....	607.33	31.98
<i>For Work In Restricted Working Space, Add</i>	19.19	
23 22 16 00-0112 EA 1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap.....	621.56	39.06
<i>For Work In Restricted Working Space, Add</i>	23.46	
23 22 16 00-0113 EA 2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,207.92	58.64
<i>For Work In Restricted Working Space, Add</i>	35.19	
23 22 16 00-0114 Thermostatic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0115 EA 1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	103.12	21.11
<i>For Work In Restricted Working Space, Add</i>	12.67	
23 22 16 00-0116 EA 3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	173.90	21.99
<i>For Work In Restricted Working Space, Add</i>	13.19	
23 22 16 00-0117 EA 1" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	215.22	23.43
<i>For Work In Restricted Working Space, Add</i>	14.08	
23 22 16 00-0118 Thermodynamic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0119 EA 3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	230.77	19.01
23 22 16 00-0120 EA 1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	328.34	21.11
23 22 16 00-0121 EA 3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	407.52	21.99
23 22 16 00-0122 EA 1" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	546.95	23.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0123 Steam Moisture Separator <small>(23 22 16 00-0085)</small>		
23 22 16 00-0124 EA 1/2" Steam Moisture Separator, Threaded Spirax Sarco S1.....	265.59	35.19
23 22 16 00-0125 EA 3/4" Steam Moisture Separator, Threaded Spirax Sarco S1.....	299.14	47.51
23 22 16 00-0126 EA 1" Steam Moisture Separator, Threaded.....	356.57	53.49
23 22 16 00-0127 EA 1-1/2" Steam Moisture Separator, Threaded.....	433.17	61.24
23 22 16 00-0128 EA 2" Steam Moisture Separator, Flanged.....	597.37	93.81
23 22 16 00-0129 EA 2-1/2" Steam Moisture Separator, Flanged.....	722.67	102.05
23 22 16 00-0130 EA 3" Steam Moisture Separator, Flanged.....	955.30	119.65
23 22 16 00-0131 EA 4" Steam Moisture Separator, Flanged.....	1,574.58	200.59
23 22 16 00-0132 EA 6" Steam Moisture Separator, Flanged.....	3,238.66	253.37
23 22 16 00-0133 Steam/Condensate Meter <small>(23 22 16)</small>		
Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.		
23 22 16 00-0134 EA 1" Steam/Condensate Meter.....	3,443.74	38.85
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0135 EA 2" Steam/Condensate Meter.....	3,885.53	45.66
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0136 EA 2-1/2" Steam/Condensate Meter.....	4,121.65	56.67
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0137 EA 3" Steam/Condensate Meter.....	4,371.36	74.48
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0138 EA 4" Steam/Condensate Meter.....	4,873.67	87.75
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0139 EA 6" Steam/Condensate Meter.....	9,229.01	540.78
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0140 EA 8" Steam/Condensate Meter.....	9,520.11	573.36
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 23 Steam Condensate Pumps <small>(23 22)</small>		
23 22 23 13 Electric-Driven Steam Condensate Pumps <small>(23 22 23)</small>		
23 22 23 13-0001 Simplex Condensate Pumps And Motors <small>(23 22 23 13)</small>		
Note: Cast iron receiver, float switch.		
23 22 23 13-0002 20 PSI Discharge Pressure <small>(23 22 23 13-0001)</small>		
23 22 23 13-0003 EA 3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	1,488.29	329.86
23 22 23 13-0004 EA 9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	1,945.90	338.93
23 22 23 13-0005 EA 15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	2,032.25	361.61
23 22 23 13-0006 EA 22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	2,251.07	365.50
23 22 23 13-0007 EA 30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	2,519.68	397.91
23 22 23 13-0008 EA 37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,778.68	397.91
23 22 23 13-0009 EA 45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,832.81	425.12
23 22 23 13-0010 EA 60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,704.97	444.56
23 22 23 13-0011 EA 75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,747.13	464.00

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 22 Steam And Condensate Piping And Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0012		30 PSI Discharge Pressure <small>(23 22 23 13-0001)</small>		
23 22 23 13-0013	EA	3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	1,718.64	352.54
23 22 23 13-0014	EA	9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,278.25	361.61
23 22 23 13-0015	EA	15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,361.89	385.59
23 22 23 13-0016	EA	22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,742.84	416.69
23 22 23 13-0017	EA	30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,832.81	425.77
23 22 23 13-0018	EA	45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,937.49	440.67
23 22 23 13-0019	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,053.13	464.00
23 22 23 13-0020	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,719.50	493.81
23 22 23 13-0021		40 PSI Discharge Pressure <small>(23 22 23 13-0001)</small>		
23 22 23 13-0022	EA	3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	1,911.41	404.38
23 22 23 13-0023	EA	9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,456.01	436.78
23 22 23 13-0024	EA	22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,897.52	431.60
23 22 23 13-0025	EA	30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,917.49	440.67
23 22 23 13-0026	EA	45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,996.65	459.47
23 22 23 13-0027	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,747.13	464.00
23 22 23 13-0028	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,804.50	493.81
23 22 23 13-0029		50 PSI Discharge Pressure <small>(23 22 23 13-0001)</small>		
23 22 23 13-0030	EA	3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,729.25	438.08
23 22 23 13-0031	EA	9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	2,649.85	447.16
23 22 23 13-0032	EA	22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,069.69	450.40
23 22 23 13-0033	EA	30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,053.01	489.92
23 22 23 13-0034	EA	60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	6,490.34	528.16
23 22 23 13-0035		Duplex Condensate Pumps And Motors <small>(23 22 23 13)</small>		
		Note: Cast iron receiver, float switch, alternator assembly.		
23 22 23 13-0036		20 PSI Discharge Pressure <small>(23 22 23 13-0035)</small>		
23 22 23 13-0037	EA	9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,495.73	442.62
23 22 23 13-0038	EA	15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,638.19	486.04
23 22 23 13-0039	EA	22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,899.01	489.92
23 22 23 13-0040	EA	30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,244.76	533.99
23 22 23 13-0041	EA	37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,603.76	533.99
23 22 23 13-0042	EA	45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,679.62	575.47
23 22 23 13-0043	EA	60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,574.51	600.74
23 22 23 13-0044	EA	75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,706.86	630.55
23 22 23 13-0045		30 PSI Discharge Pressure <small>(23 22 23 13-0035)</small>		
23 22 23 13-0046	EA	9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,271.57	476.96
23 22 23 13-0047	EA	15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,416.97	521.03
23 22 23 13-0048	EA	22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,785.66	508.07
23 22 23 13-0049	EA	30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,679.62	575.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0050 EA 45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,811.03	596.85
23 22 23 13-0051 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,506.86	630.55
23 22 23 13-0052 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,774.91	675.92
23 22 23 13-0053 40 PSI Discharge Pressure <small>(23 22 23 13-0035)</small>		
23 22 23 13-0054 EA 9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	3,532.83	562.50
23 22 23 13-0055 EA 22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	3,915.06	587.78
23 22 23 13-0056 EA 30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,823.03	596.85
23 22 23 13-0057 EA 45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,956.39	626.67
23 22 23 13-0058 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,707.86	630.55
23 22 23 13-0059 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,798.91	675.92
23 22 23 13-0060 50 PSI Discharge Pressure <small>(23 22 23 13-0035)</small>		
23 22 23 13-0061 EA 9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	3,698.83	562.50
23 22 23 13-0062 EA 22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	3,988.43	618.24
23 22 23 13-0063 EA 30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	5,048.43	671.38
23 22 23 13-0064 EA 60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	8,947.68	727.11
23 23 Refrigerant Piping <small>(23 20)</small>		
23 23 13 Refrigerant Piping Valves <small>(23 23)</small>		
23 23 13 00-0001 Ball Valves <small>(23 23 13)</small>		
23 23 13 00-0002 Refrigeration Ball Valves, Sweat, 1400 Series <small>(23 23 13 00-0001)</small>		
23 23 13 00-0003 EA 3/8" Refrigeration Ball Valve, Sweated.....	25.99	7.03
23 23 13 00-0004 EA 1/2" Refrigeration Ball Valve, Sweated.....	27.13	7.03
23 23 13 00-0005 EA 5/8" Refrigeration Ball Valve, Sweated.....	33.62	7.03
23 23 13 00-0006 EA 7/8" Refrigeration Ball Valve, Sweated.....	45.08	7.74
23 23 13 00-0007 EA 1-1/8" Refrigeration Ball Valve, Sweated.....	61.06	8.79
23 23 13 00-0008 EA 1-5/8" Refrigeration Ball Valve, Sweated.....	97.22	10.83
23 23 13 00-0009 Shut-Off Valves <small>(23 23 13)</small>		
23 23 13 00-0010 Packless <small>(23 23 13 00-0009)</small>		
23 23 13 00-0011 EA 1/2" Refrigeration Valve, Packless.....	29.60	7.32
23 23 13 00-0012 EA 5/8" Refrigeration Valve, Packless.....	36.16	8.03
23 23 13 00-0013 EA 7/8" Refrigeration Valve, Packless.....	70.27	10.98
23 23 13 00-0014 Packed <small>(23 23 13 00-0009)</small>		
23 23 13 00-0015 EA 1-1/8" Refrigeration Valve, Packed.....	122.30	15.97
23 23 13 00-0016 EA 1 3/8" Refrigeration Valve, Packed.....	162.19	19.56
23 23 13 00-0017 EA 1-5/8" Refrigeration Valve, Packed.....	196.26	22.03
23 23 13 00-0018 EA 2-1/8" Refrigeration Valve, Packed.....	275.91	25.13
23 23 13 00-0019 EA 2-5/8" Refrigeration Valve, Packed.....	478.40	70.38
23 23 13 00-0020 EA 3-1/8" Refrigeration Valve, Packed.....	624.62	87.98
23 23 13 00-0021 EA 4-1/8" Refrigeration Valve, Packed.....	882.62	117.33
23 23 13 00-0022 Check Valves <small>(23 23 13)</small>		
23 23 13 00-0023 EA 5/8" Check Valve, Refrigeration.....	38.92	7.04
23 23 13 00-0024 EA 7/8" Check Valve, Refrigeration.....	108.08	7.74
23 23 13 00-0025 EA 1-1/8" Check Valve, Refrigeration.....	125.91	8.79
23 23 13 00-0026 EA 1 3/8" Check Valve, Refrigeration.....	168.49	9.36
23 23 13 00-0027 EA 1-5/8" Check Valve, Refrigeration.....	219.08	10.84
23 23 13 00-0028 EA 2-1/8" Check Valve, Refrigeration.....	319.00	12.81
23 23 13 00-0029 EA 2-5/8" Check Valve, Refrigeration.....	447.18	18.80
23 23 13 00-0030 EA 3-1/8" Check Valve, Refrigeration.....	586.04	24.63
23 23 13 00-0031 Solenoid Valves <small>(23 23 13)</small>		
23 23 13 00-0032 Solenoid Valve, 24 Volt Coil <small>(23 23 13 00-0031)</small>		
23 23 13 00-0033 EA 1/2" Solenoid Valve, Refrigeration.....	88.69	7.04

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 23 Refrigerant Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 13 00-0034 EA 5/8" Solenoid Valve, Refrigeration	90.61	7.04
23 23 13 00-0035 EA 3/4" Solenoid Valve, Refrigeration	113.01	7.74
23 23 13 00-0036 EA 7/8" Solenoid Valve, Refrigeration	113.01	7.74
23 23 13 00-0037 EA 1-1/8" Solenoid Valve, Refrigeration	155.96	8.79
23 23 13 00-0038 EA 1 3/8" Solenoid Valve, Refrigeration	245.41	9.36
23 23 13 00-0039 EA 1-5/8" Solenoid Valve, Refrigeration	439.14	10.84
23 23 13 00-0040 EA 2-1/8" Solenoid Valve, Refrigeration	448.98	12.81
23 23 16 Refrigerant Piping Specialties (23 23)		
23 23 16 00-0001 Soft Refrigeration Copper Tubing (23 23 16)		
Note: Based on outside diameter. Nitrogenized.		
23 23 16 00-0002 LF 1/8" Outside Diameter Soft Refrigeration Copper Tubing	3.10	1.90
23 23 16 00-0003 LF 3/16" Outside Diameter Soft Refrigeration Copper Tubing	3.14	1.90
23 23 16 00-0004 LF 1/4" Outside Diameter Soft Refrigeration Copper Tubing	3.19	1.90
23 23 16 00-0005 LF 5/16" Outside Diameter Soft Refrigeration Copper Tubing	3.39	1.90
23 23 16 00-0006 LF 3/8" Outside Diameter Soft Refrigeration Copper Tubing	3.49	1.97
23 23 16 00-0007 LF 1/2" Outside Diameter Soft Refrigeration Copper Tubing	3.94	2.11
23 23 16 00-0008 LF 5/8" Outside Diameter Soft Refrigeration Copper Tubing	4.21	2.11
23 23 16 00-0009 LF 3/4" Outside Diameter Soft Refrigeration Copper Tubing	4.92	2.46
23 23 16 00-0010 LF 7/8" Outside Diameter Soft Refrigeration Copper Tubing	5.81	2.60
23 23 16 00-0011 LF 1-1/8" Outside Diameter Soft Refrigeration Copper Tubing	7.43	3.17
23 23 16 00-0012 LF 1-3/8" Outside Diameter Soft Refrigeration Copper Tubing	10.18	3.66
23 23 16 00-0013 LF 1-5/8" Outside Diameter Soft Refrigeration Copper Tubing	11.80	3.94
23 23 16 00-0014 Type L Drawn, ACR Copper Tubing (23 23 16)		
Note: Nitrogenized.		
23 23 16 00-0015 LF 3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	3.65	1.97
For Medical Applications "Oxygen Clean", Add	0.33	
23 23 16 00-0016 LF 1/2" Outside Diameter Type L Drawn, ACR Copper Tubing	3.99	1.97
For Medical Applications "Oxygen Clean", Add	0.35	
23 23 16 00-0017 LF 5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	4.21	1.97
For Medical Applications "Oxygen Clean", Add	0.36	
23 23 16 00-0018 LF 3/4" Outside Diameter Type L Drawn, ACR Copper Tubing	6.11	2.95
For Medical Applications "Oxygen Clean", Add	0.53	
23 23 16 00-0019 LF 7/8" Outside Diameter Type L Drawn, ACR Copper Tubing	6.66	3.17
For Medical Applications "Oxygen Clean", Add	0.57	
23 23 16 00-0020 LF 1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	7.52	3.17
For Medical Applications "Oxygen Clean", Add	0.61	
23 23 16 00-0021 LF 1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	9.25	3.66
For Medical Applications "Oxygen Clean", Add	0.74	
23 23 16 00-0022 LF 1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	11.08	4.22
For Medical Applications "Oxygen Clean", Add	0.87	
23 23 16 00-0023 LF 2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	15.36	5.28
For Medical Applications "Oxygen Clean", Add	1.16	
23 23 16 00-0024 LF 2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	23.07	7.96
For Medical Applications "Oxygen Clean", Add	1.75	
23 23 16 00-0025 LF 3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	29.64	9.85
For Medical Applications "Oxygen Clean", Add	2.22	
23 23 16 00-0026 LF 3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	36.99	11.68
For Medical Applications "Oxygen Clean", Add	2.73	
23 23 16 00-0027 LF 4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	45.54	14.08
For Medical Applications "Oxygen Clean", Add	3.33	
23 23 16 00-0028 Refrigeration Fittings (23 23 16)		
23 23 16 00-0029 Brass Flare Fittings (23 23 16 00-0028)		
23 23 16 00-0030 Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0031 EA 3/8" Brass Flare Union	13.01	7.60
23 23 16 00-0032 EA 1/2" Brass Flare Union	13.01	7.60
23 23 16 00-0033 EA 5/8" Brass Flare Union	13.44	7.60
23 23 16 00-0034 90 Degree Elbow Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0035 EA 3/8" 90 Degree Brass Flare Elbow Union	13.27	7.60
23 23 16 00-0036 EA 1/2" 90 Degree Brass Flare Elbow Union	13.27	7.60
23 23 16 00-0037 EA 5/8" 90 Degree Brass Flare Elbow Union	14.70	7.60
23 23 16 00-0038 Brass Flare Tees (23 23 16 00-0029)		
23 23 16 00-0039 EA 3/8" Brass Flare Tee	21.45	12.66
23 23 16 00-0040 EA 1/2" Brass Flare Tee	22.09	12.66
23 23 16 00-0041 EA 5/8" Brass Flare Tee	25.57	12.66
23 23 16 00-0042 Male Connector, Half Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0043 EA 3/8" Brass Flare Male Connector, Half Union	11.84	7.60
23 23 16 00-0044 EA 1/2" Brass Flare Male Connector, Half Union	12.26	7.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0045 EA 5/8" Brass Flare Male Connector, Half Union	12.87	7.60
23 23 16 00-0046 Female Connector, Half Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0047 EA 3/8" Brass Flare Female Connector, Half Union	12.39	7.60
23 23 16 00-0048 EA 1/2" Brass Flare Female Connector, Half Union	12.97	7.60
23 23 16 00-0049 EA 5/8" Brass Flare Female Connector, Half Union	12.97	7.60
23 23 16 00-0050 Long Forged Nuts (23 23 16 00-0029)		
23 23 16 00-0051 EA 3/8" Brass Long Forged Nut	12.10	7.60
23 23 16 00-0052 EA 1/2" Brass Long Forged Nut	12.26	7.60
23 23 16 00-0053 EA 5/8" Brass Long Forged Nut	14.12	7.60
23 23 16 00-0054 Short Forged Nuts (23 23 16 00-0029)		
23 23 16 00-0055 EA 3/8" Brass Short Forged Nut	11.86	7.60
23 23 16 00-0056 EA 1/2" Brass Short Forged Nut	12.24	7.60
23 23 16 00-0057 EA 5/8" Brass Short Forged Nut	12.32	7.60
23 23 16 00-0058 ACR Wrought Copper Fittings (23 23 16 00-0028)		
Note: Soldered.		
23 23 16 00-0059 ACR Wrought Copper Coupling (23 23 16 00-0058)		
Note: C x C		
23 23 16 00-0060 EA 1/4" ACR Wrought Copper Coupling	11.74	7.60
23 23 16 00-0061 EA 3/8" ACR Wrought Copper Coupling	11.67	7.60
23 23 16 00-0062 EA 1/2" ACR Wrought Copper Coupling	11.77	7.60
23 23 16 00-0063 EA 5/8" ACR Wrought Copper Coupling	12.30	7.96
23 23 16 00-0064 EA 3/4" ACR Wrought Copper Coupling	16.68	10.49
23 23 16 00-0065 EA 7/8" ACR Wrought Copper Coupling	16.82	10.77
23 23 16 00-0066 EA 1-1/8" ACR Wrought Copper Coupling	21.43	13.37
23 23 16 00-0067 EA 1-3/8" ACR Wrought Copper Coupling	29.89	18.30
23 23 16 00-0068 EA 1-5/8" ACR Wrought Copper Coupling	35.46	21.47
23 23 16 00-0069 EA 2-1/8" ACR Wrought Copper Coupling	44.40	26.04
23 23 16 00-0070 EA 2-5/8" ACR Wrought Copper Coupling	71.45	39.56
23 23 16 00-0071 EA 3-1/8" ACR Wrought Copper Coupling	94.58	52.01
23 23 16 00-0072 EA 4-1/8" ACR Wrought Copper Coupling	130.35	61.79
23 23 16 00-0073 ACR Wrought Copper Short Radius 90 Degree Elbows (23 23 16 00-0058)		
Note: C x C		
23 23 16 00-0074 EA 1/4" ACR Wrought Copper Short Radius 90 Degree Elbow	12.66	7.60
23 23 16 00-0075 EA 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	12.73	7.60
23 23 16 00-0076 EA 1/2" ACR Wrought Copper Short Radius 90 Degree Elbow	12.66	7.60
23 23 16 00-0077 ACR Wrought Copper Long Radius 90 Degree Elbows (23 23 16 00-0058)		
Note: C x C		
23 23 16 00-0078 EA 1/4" ACR Wrought Copper Long Radius 90 Degree Elbow	13.80	7.60
23 23 16 00-0079 EA 3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	13.20	7.60
23 23 16 00-0080 EA 1/2" ACR Wrought Copper Long Radius 90 Degree Elbow	13.68	7.60
23 23 16 00-0081 EA 5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	14.04	7.96
23 23 16 00-0082 EA 3/4" ACR Wrought Copper Long Radius 90 Degree Elbow	17.88	10.49
23 23 16 00-0083 EA 7/8" ACR Wrought Copper Long Radius 90 Degree Elbow	18.83	10.77
23 23 16 00-0084 EA 1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	24.38	13.37
23 23 16 00-0085 EA 1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	34.50	18.30
23 23 16 00-0086 EA 1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	41.70	21.47
23 23 16 00-0087 EA 2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	63.94	26.04
23 23 16 00-0088 EA 2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	98.75	39.56
23 23 16 00-0089 EA 3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	130.28	52.01
23 23 16 00-0090 EA 4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	232.67	61.79
23 23 16 00-0091 ACR Wrought Copper 45 Degree Elbow (23 23 16 00-0058)		
Note: C x C		
23 23 16 00-0092 EA 1/4" ACR Wrought Copper 45 Degree Elbow	14.64	7.60
23 23 16 00-0093 EA 3/8" ACR Wrought Copper 45 Degree Elbow	13.80	7.60
23 23 16 00-0094 EA 1/2" ACR Wrought Copper 45 Degree Elbow	13.45	7.60
23 23 16 00-0095 EA 5/8" ACR Wrought Copper 45 Degree Elbow	12.80	7.96
23 23 16 00-0096 EA 3/4" ACR Wrought Copper 45 Degree Elbow	19.44	10.49
23 23 16 00-0097 EA 7/8" ACR Wrought Copper 45 Degree Elbow	17.60	10.77
23 23 16 00-0098 EA 1-1/8" ACR Wrought Copper 45 Degree Elbow	23.74	13.37
23 23 16 00-0099 EA 1-3/8" ACR Wrought Copper 45 Degree Elbow	32.41	18.30
23 23 16 00-0100 EA 1-5/8" ACR Wrought Copper 45 Degree Elbow	38.20	21.47
23 23 16 00-0101 EA 2-1/8" ACR Wrought Copper 45 Degree Elbow	48.98	26.04
23 23 16 00-0102 EA 2-5/8" ACR Wrought Copper 45 Degree Elbow	80.55	39.56
23 23 16 00-0103 EA 3-1/8" ACR Wrought Copper 45 Degree Elbow	107.69	52.01
23 23 16 00-0104 EA 4-1/8" ACR Wrought Copper 45 Degree Elbow	155.88	61.79

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 23 Refrigerant Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 23 16 00-0105	ACR Wrought Copper Tee (23 23 16 00-0058)		
	Note: C x C x C		
23 23 16 00-0106	EA 1/4" ACR Wrought Copper Tee.....	21.61	12.66
23 23 16 00-0107	EA 3/8" ACR Wrought Copper Tee.....	21.76	12.66
23 23 16 00-0108	EA 1/2" ACR Wrought Copper Tee.....	21.22	12.66
23 23 16 00-0109	EA 5/8" ACR Wrought Copper Tee.....	24.68	15.97
23 23 16 00-0110	EA 3/4" ACR Wrought Copper Tee.....	28.95	15.97
23 23 16 00-0111	EA 7/8" ACR Wrought Copper Tee.....	26.16	16.18
23 23 16 00-0112	EA 1-1/8" ACR Wrought Copper Tee.....	38.07	21.47
23 23 16 00-0113	EA 1-3/8" ACR Wrought Copper Tee.....	46.91	26.04
23 23 16 00-0114	EA 1-5/8" ACR Wrought Copper Tee.....	58.51	30.89
23 23 16 00-0115	EA 2-1/8" ACR Wrought Copper Tee.....	80.77	41.17
23 23 16 00-0116	EA 2-5/8" ACR Wrought Copper Tee.....	173.10	89.87
23 23 16 00-0117	EA 3-1/8" ACR Wrought Copper Tee.....	203.26	98.82
23 23 16 00-0118	EA 4-1/8" ACR Wrought Copper Tee.....	297.98	109.80
23 23 16 00-0119	ACR Wrought Copper Male Adapter (23 23 16 00-0058)		
	Note: C x M		
23 23 16 00-0120	EA 1/4" ACR Wrought Copper Male Adapter.....	15.47	7.60
23 23 16 00-0121	EA 3/8" ACR Wrought Copper Male Adapter.....	16.80	7.60
23 23 16 00-0122	EA 1/2" ACR Wrought Copper Male Adapter.....	14.59	7.60
23 23 16 00-0123	ACR Wrought Copper Female Adapter (23 23 16 00-0058)		
	Note: C x F		
23 23 16 00-0124	EA 1/4" ACR Wrought Copper Female Adapter.....	14.94	7.60
23 23 16 00-0125	EA 3/8" ACR Wrought Copper Female Adapter.....	14.18	7.60
23 23 16 00-0126	EA 1/2" ACR Wrought Copper Female Adapter.....	14.47	7.60
23 23 16 00-0127	ACR Wrought Copper Cap (23 23 16 00-0058)		
	Note: C		
23 23 16 00-0128	EA 1/4" ACR Wrought Copper Cap.....	8.21	5.07
23 23 16 00-0129	EA 3/8" ACR Wrought Copper Cap.....	7.97	5.07
23 23 16 00-0130	EA 1/2" ACR Wrought Copper Cap.....	8.21	5.07
23 23 16 00-0131	ACR Wrought Copper P-Trap (23 23 16 00-0058)		
23 23 16 00-0132	EA 5/8" ACR Wrought Copper P-Trap.....	37.87	6.48
23 23 16 00-0133	EA 3/4" ACR Wrought Copper P-Trap.....	48.83	7.12
23 23 16 00-0134	EA 7/8" ACR Wrought Copper P-Trap.....	46.28	7.12
23 23 16 00-0135	EA 1-1/8" ACR Wrought Copper P-Trap.....	59.43	7.78
23 23 16 00-0136	EA 1-3/8" ACR Wrought Copper P-Trap.....	101.09	7.78
23 23 16 00-0137	EA 1-5/8" ACR Wrought Copper P-Trap.....	136.04	8.43
23 23 16 00-0138	EA 2-1/8" ACR Wrought Copper P-Trap.....	223.66	9.07
23 23 16 00-0139	Sight Glass With Moisture And Liquid Indicator, Solder Connection (23 23 16)		
23 23 16 00-0140	EA 1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	33.47	9.72
23 23 16 00-0141	EA 3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	40.54	11.66
23 23 16 00-0142	EA 1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	48.85	14.26
23 23 16 00-0143	EA 5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	53.91	16.21
23 23 16 00-0144	EA 7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	72.27	20.74
23 23 16 00-0145	EA 1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	84.01	25.28
23 23 16 00-0146	EA 1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	127.18	29.81
23 23 16 00-0147	EA 1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	157.98	40.83
23 23 16 00-0148	EA 2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	194.19	50.54
23 23 16 00-0149	Filter Driers, Solder Connections (23 23 16)		
23 23 16 00-0150	Replaceable Core Type Filter Driers, Solder Connections (23 23 16 00-0149)		
23 23 16 00-0151	EA 5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	282.72	5.83
23 23 16 00-0152	EA 7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	287.60	7.12
23 23 16 00-0153	EA 1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	368.09	7.12
23 23 16 00-0154	EA 1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	370.00	7.78
23 23 16 00-0155	EA 1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	414.84	8.43
23 23 16 00-0156	EA 2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	471.96	9.07
23 23 16 00-0157	EA 2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	552.47	9.72
23 23 16 00-0158	EA 3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	689.78	9.72
23 23 16 00-0159	Sealed In-Line Filter Driers, Solder Connections (23 23 16 00-0149)		
23 23 16 00-0160	EA 1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections.....	50.50	5.83
23 23 16 00-0161	EA 3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections.....	64.54	5.83
23 23 16 00-0162	EA 1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections.....	82.16	6.48
23 23 16 00-0163	EA 1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections.....	94.66	6.48
23 23 16 00-0164	EA 5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections.....	104.39	6.48
23 23 16 00-0165	EA 5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections.....	118.59	6.48



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				23 23 16 00-0166 EA 7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections.....	133.68	7.12
				23 23 16 00-0167 EA 7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	189.97	7.12
				23 23 16 00-0168 EA 1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections	207.89	7.12
23 23 16 00-0169				Bi-Flow Filter Driers, Solder Connections (23 23 16 00-0149)		
				23 23 16 00-0170 EA 1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	68.13	5.83
				23 23 16 00-0171 EA 3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	77.08	5.83
				23 23 16 00-0172 EA 1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	92.43	6.48
				23 23 16 00-0173 EA 3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	82.06	5.83
				23 23 16 00-0174 EA 1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	102.69	6.48
				23 23 16 00-0175 EA 5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	120.35	6.48
23 23 16 00-0176				Refrigerant Compressor Discharge Mufflers (23 23 16)		
				23 23 16 00-0177 EA 3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler	62.82	5.83
				23 23 16 00-0178 EA 1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler	69.42	5.83
				23 23 16 00-0179 EA 5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler	83.50	5.83
				23 23 16 00-0180 EA 7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler	112.25	7.12
				23 23 16 00-0181 EA 1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler	146.84	7.12
				23 23 16 00-0182 EA 1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler	174.67	7.78
				23 23 16 00-0183 EA 1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler	220.99	8.43
				23 23 16 00-0184 EA 2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler	394.06	9.07
				23 23 16 00-0185 EA 2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler	443.29	9.72
				23 23 16 00-0186 EA 3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler	549.12	9.72
23 23 16 00-0187				Expansion Valves And Vibration Absorbers (23 23 16)		
23 23 16 00-0188				Thermostatic Expansion Valves (23 23 16 00-0187)		
				Note: Outside diameter pipe sizes. Sporlan TP-S.		
				23 23 16 00-0189 EA 3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve	128.53	5.83
				23 23 16 00-0190 EA 1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve	178.81	6.48
				23 23 16 00-0191 EA 5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve	299.73	6.48
				23 23 16 00-0192 EA 7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve	355.54	7.12
				23 23 16 00-0193 EA 7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve.....	387.94	7.12
23 23 16 00-0194				Electric Expansion Valves (23 23 16 00-0187)		
				Note: Sporlan SEI or SEH.		
				23 23 16 00-0195 EA 1/2 To 11 Ton Electric Expansion Valve	252.04	8.10
				Note: Sporlan SEI.		
				23 23 16 00-0196 EA 25 Ton Electric Expansion Valve	289.12	8.43
				Note: Sporlan SEI.		
				23 23 16 00-0197 EA 50 Ton Electric Expansion Valve	326.38	8.75
				Note: Sporlan SEI.		
				23 23 16 00-0198 EA 100 Ton Electric Expansion Valve	388.69	8.75
				Note: Sporlan SEH.		
				23 23 16 00-0199 EA 175 Ton Electric Expansion Valve	436.08	9.07
				Note: Sporlan SEH.		
23 23 16 00-0200				Braided Stainless Steel Over Copper Vibration Absorber (23 23 16 00-0187)		
				23 23 16 00-0201 EA 1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	34.19	8.43
				23 23 16 00-0202 EA 3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	35.02	9.72
				23 23 16 00-0203 EA 1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	45.19	12.31
				23 23 16 00-0204 EA 5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	49.09	14.90
				23 23 16 00-0205 EA 3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	58.03	18.14
				23 23 16 00-0206 EA 7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	66.99	20.74
				23 23 16 00-0207 EA 1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	95.36	7.78
				23 23 16 00-0208 EA 1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	132.70	8.43
				23 23 16 00-0209 EA 1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	164.72	8.43
				23 23 16 00-0210 EA 2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	222.62	9.07
				23 23 16 00-0211 EA 2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	375.23	9.72
				23 23 16 00-0212 EA 3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	490.56	9.72
23 23 16 00-0213				Accumulator, Refrigerant Suction Line (23 23 16)		
				23 23 16 00-0214 EA 3/4" Accumulator, Refrigeration Suction Line	109.98	29.48
				23 23 16 00-0215 EA 7/8" Accumulator, Refrigeration Suction Line	149.21	40.50
				23 23 16 00-0216 EA 1-1/8" Accumulator, Refrigeration Suction Line	179.39	53.98
				23 23 16 00-0217 EA 1 3/8" Accumulator, Refrigeration Suction Line	249.88	64.80
				23 23 16 00-0218 EA 1-5/8" Accumulator, Refrigeration Suction Line	342.26	81.01
				23 23 16 00-0219 EA 2-1/8" Accumulator, Refrigeration Suction Line	516.61	108.03
23 23 16 00-0220				Special Chemicals/Component (23 23 16)		
				23 23 16 00-0221 GAL Special Chemical, Inhibited Propylene Glycol, 100%	20.94	
				23 23 16 00-0222 GAL Removal And Storage For Reuse Of Inhibited Propylene Glycol.....	5.03	
				23 23 16 00-0223 GAL Special Chemical, Inhibited Ethylene Glycol, 100%.....	14.32	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 23 Refrigerant Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 23 16 00-0224 EA Internal Coil/Refrigerant Piping Flush Note: Up to 10 ton AC system.	184.35	
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23 23 23 Refrigerants (23 23)

23 23 23 00-0001 Refrigerant (23 23 23)		
23 23 23 00-0002 LB Refrigerant R-113	17.94	
23 23 23 00-0003 LB Refrigerant R-123	16.71	
23 23 23 00-0004 LB Refrigerant R-134A	6.30	
23 23 23 00-0005 LB Refrigerant R-404A	8.14	
23 23 23 00-0006 LB Refrigerant R-407C	7.82	
23 23 23 00-0007 LB Refrigerant R-408A	24.05	
23 23 23 00-0008 LB Refrigerant R-409A	26.36	
23 23 23 00-0009 LB Refrigerant R-410A	6.48	
23 23 23 00-0010 LB Refrigerant R-500	20.57	
23 23 23 00-0011 LB Refrigerant R-502	23.57	
23 23 23 00-0012 LB Refrigerant R-507	7.82	

23 25 HVAC Water Treatment (23 20)**23 25 13 Water Treatment For Closed-Loop Hydronic Systems (23 25)**

23 25 13 00-0001 Polyethylene Chemical Storage Tanks (23 25 13)		
23 25 13 00-0002 EA 15 Gallon Chemical Storage Tank, Polyethylene.....	162.79	54.13
23 25 13 00-0003 Gas Chlorinator (23 25 13)		
23 25 13 00-0004 EA Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	826.74	246.22
For Booster Pump, Add	292.99	
23 25 13 00-0005 EA Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	944.28	281.39
For Booster Pump, Add	334.87	
23 25 13 00-0006 EA Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,377.53	213.15
For Booster Pump, Add	423.09	
23 25 13 00-0007 Bypass Shot Feeders (23 25 13)		
Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.		
23 25 13 00-0008 In Line Mount, 125 PSIG (23 25 13 00-0007)		
23 25 13 00-0009 EA 1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG	694.61	183.39
23 25 13 00-0010 Floor Mount, 175 PSIG (23 25 13 00-0007)		
23 25 13 00-0011 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,011.96	276.06
23 25 13 00-0012 EA 12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,331.49	365.50
23 25 13 00-0013 Floor Mount, 150 LB ASME Code (23 25 13 00-0007)		
23 25 13 00-0014 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code	1,011.96	276.06
23 25 13 00-0015 EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code	1,331.49	365.50
23 25 13 00-0016 Floor Mount, 300 LB ASME Code (23 25 13 00-0007)		
23 25 13 00-0017 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	1,379.20	276.06
23 25 13 00-0018 EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	1,712.80	365.50

23 30 HVAC Air Distribution (23)**23 31 HVAC Ducts And Casings (23 30)**

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0119 for angle iron, 23 05 29 00-0001 for threaded rod.

23 31 13 Metal Ducts (23 31)**23 31 13 13 Rectangular Metal Ducts (23 31 13)**

23 31 13 13-0001 Steel Sheet Metal Duct (23 31 13 13)		
Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.		



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0002	Galvanized Steel Sheet Metal Ductwork <small>(23 31 13 13-0001)</small> Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc. Pressure class 2" w.g. and less are considered low pressure/seal class C; pressure class 3" w.g. and less are considered medium pressure/seal class B; pressure class 4" w.g. and larger are considered high pressure/seal class A. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. Field fabricated ductwork is fabricated by hand to fit unique designs and installed on site. SMACNA weight for ductwork LB/SF (surface areas) by gauge: 30 gauge - 0.656 LB/SF; 28 gauge - 0.781 LB/SF; 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF; Add 10% additional material for lappage. The gauge of sheet metal is determined by the dimensional opening. Use the following to determine the minimum gauge of low pressure rectangular sheet metal ductwork unless otherwise stated by owner or drawings. The largest dimension of duct governs the gauge: up to 12" - 26 gauge, 13" to 30" - 24 gauge, 31" to 54" - 22 gauge, 55" to 84" - 20 gauge, 85" and larger - 18 gauge. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45 degree elbows; 3' for 90 degree elbows, transition, taper, register box; 4' for 45 degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90 degree reducing elbow, 135 degree angle gooseneck, boots; and 6' for transition/reducer.		
23 31 13 13-0003	LB Sheet Metal Ductwork, Low Pressure, Field Fabricated, Galvanized, Field Assemble And Install 7.12		1.84
	For Flat Oval, Add	0.17	
	For Up To 200, Add	2.47	
	For >200 To 500, Add	1.56	
	For >500 To 1,000, Add	1.07	
	For >1,000 To 2,000, Add	0.60	
	For >2,000 To 5,000, Add	0.27	
	For Work In Restricted Working Space, Add	1.80	
23 31 13 13-0004	LB Sheet Metal Ductwork, Medium Pressure, Field Fabricated, Galvanized, Field Assemble And Install 8.09		2.14
	For Flat Oval, Add	0.18	
	For Up To 200, Add	2.78	
	For >200 To 500, Add	1.75	
	For >500 To 1,000, Add	1.22	
	For >1,000 To 2,000, Add	0.68	
	For >2,000 To 5,000, Add	0.31	
	For Work In Restricted Working Space, Add	2.07	
23 31 13 13-0005	LB Sheet Metal Ductwork, High Pressure, Field Fabricated, Galvanized, Field Assemble And Install..... 9.66		2.44
	For Flat Oval, Add	0.19	
	For Up To 200, Add	3.28	
	For >200 To 500, Add	2.06	
	For >500 To 1,000, Add	1.44	
	For >1,000 To 2,000, Add	0.81	
	For >2,000 To 5,000, Add	0.37	
	For Work In Restricted Working Space, Add	2.52	
23 31 13 13-0006	LB Sheet Metal Ductwork, Low Pressure, Shop Fabricated, Galvanized, Field Assemble And Install..... 4.79		1.84
	For Polyvinyl Chloride (PVC) Coated, Add	0.35	
	For Flat Oval, Add	0.26	
	For Up To 200, Add	1.96	
	For >200 To 500, Add	1.29	
	For >500 To 1,000, Add	0.79	
	For >1,000 To 2,000, Add	0.44	
	For >2,000 To 5,000, Add	0.17	
	For Work In Restricted Working Space, Add	0.92	
23 31 13 13-0007	LB Sheet Metal Ductwork, Medium Pressure, Shop Fabricated, Galvanized, Field Assemble And Install..... 5.58		2.14
	For Polyvinyl Chloride (PVC) Coated, Add	0.43	
	For Flat Oval, Add	0.32	
	For Up To 200, Add	2.31	
	For >200 To 500, Add	1.54	
	For >500 To 1,000, Add	0.93	
	For >1,000 To 2,000, Add	0.51	
	For >2,000 To 5,000, Add	0.20	
	For Work In Restricted Working Space, Add	1.04	
23 31 13 13-0008	LB Sheet Metal Ductwork, High Pressure, Shop Fabricated, Galvanized, Field Assemble And Install..... 6.79		2.44
	For Polyvinyl Chloride (PVC) Coated, Add	0.52	
	For Flat Oval, Add	0.39	
	For Up To 200, Add	2.82	
	For >200 To 500, Add	1.87	
	For >500 To 1,000, Add	1.13	
	For >1,000 To 2,000, Add	0.62	
	For >2,000 To 5,000, Add	0.25	
	For Work In Restricted Working Space, Add	1.25	
23 31 13 13-0009	Galvanized Steel Sheet Metal Ductwork By LF <small>(23 31 13 13-0001)</small> Note: Ductwork includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45 degree elbows; 3' for 90 degree elbows, transition, taper, register box; 4' for 45 degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90 degree reducing elbow, 135 degree angle gooseneck, boots; and 6' for transition/reducer.		
23 31 13 13-0010	30 Gauge Galvanized Steel Duct <small>(23 31 13 13-0009)</small>		
23 31 13 13-0011	LF 4" x 4", 30 Gauge Galvanized Steel Duct 4.61		1.77
	For Flat Oval, Add	0.25	
	For Work In Restricted Working Space, Add	0.88	
23 31 13 13-0012	LF 4" x 6", 30 Gauge Galvanized Steel Duct 5.76		2.21
	For Flat Oval, Add	0.31	
	For Work In Restricted Working Space, Add	1.10	
23 31 13 13-0013	LF 4" x 8", 30 Gauge Galvanized Steel Duct 6.91		2.65
	For Flat Oval, Add	0.38	
	For Work In Restricted Working Space, Add	1.32	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0014	LF		4" x 10", 30 Gauge Galvanized Steel Duct	8.06	3.09
			<i>For Flat Oval, Add</i>	0.44	
			<i>For Work In Restricted Working Space, Add</i>	1.55	
23 31 13 13-0015	LF		4" x 12", 30 Gauge Galvanized Steel Duct	9.23	3.53
			<i>For Flat Oval, Add</i>	0.50	
			<i>For Work In Restricted Working Space, Add</i>	1.77	
23 31 13 13-0016	LF		4" x 14", 30 Gauge Galvanized Steel Duct	10.36	3.97
			<i>For Flat Oval, Add</i>	0.56	
			<i>For Work In Restricted Working Space, Add</i>	1.99	
23 31 13 13-0017	LF		4" x 16", 30 Gauge Galvanized Steel Duct	11.50	4.41
			<i>For Flat Oval, Add</i>	0.62	
			<i>For Work In Restricted Working Space, Add</i>	2.21	
23 31 13 13-0018	LF		6" x 6", 30 Gauge Galvanized Steel Duct	6.91	2.65
			<i>For Flat Oval, Add</i>	0.38	
			<i>For Work In Restricted Working Space, Add</i>	1.32	
23 31 13 13-0019	LF		6" x 8", 30 Gauge Galvanized Steel Duct	8.06	3.09
			<i>For Flat Oval, Add</i>	0.44	
			<i>For Work In Restricted Working Space, Add</i>	1.55	
23 31 13 13-0020	LF		6" x 10", 30 Gauge Galvanized Steel Duct	9.23	3.53
			<i>For Flat Oval, Add</i>	0.50	
			<i>For Work In Restricted Working Space, Add</i>	1.77	
23 31 13 13-0021	LF		6" x 12", 30 Gauge Galvanized Steel Duct	10.36	3.97
			<i>For Flat Oval, Add</i>	0.56	
			<i>For Work In Restricted Working Space, Add</i>	1.99	
23 31 13 13-0022	LF		6" x 14", 30 Gauge Galvanized Steel Duct	11.50	4.41
			<i>For Flat Oval, Add</i>	0.62	
			<i>For Work In Restricted Working Space, Add</i>	2.21	
23 31 13 13-0023	LF		6" x 16", 30 Gauge Galvanized Steel Duct	12.67	4.86
			<i>For Flat Oval, Add</i>	0.69	
			<i>For Work In Restricted Working Space, Add</i>	2.43	
23 31 13 13-0024	LF		8" x 8", 30 Gauge Galvanized Steel Duct	9.23	3.53
			<i>For Flat Oval, Add</i>	0.50	
			<i>For Work In Restricted Working Space, Add</i>	1.77	
23 31 13 13-0025	LF		8" x 10", 30 Gauge Galvanized Steel Duct	10.36	3.97
			<i>For Flat Oval, Add</i>	0.56	
			<i>For Work In Restricted Working Space, Add</i>	1.99	
23 31 13 13-0026	LF		8" x 12", 30 Gauge Galvanized Steel Duct	11.50	4.41
			<i>For Flat Oval, Add</i>	0.62	
			<i>For Work In Restricted Working Space, Add</i>	2.21	
23 31 13 13-0027	LF		8" x 14", 30 Gauge Galvanized Steel Duct	12.67	4.86
			<i>For Flat Oval, Add</i>	0.69	
			<i>For Work In Restricted Working Space, Add</i>	2.43	
23 31 13 13-0028	LF		8" x 16", 30 Gauge Galvanized Steel Duct	13.81	5.29
			<i>For Flat Oval, Add</i>	0.75	
			<i>For Work In Restricted Working Space, Add</i>	2.65	
23 31 13 13-0029	LF		8" x 18", 30 Gauge Galvanized Steel Duct	14.97	5.74
			<i>For Flat Oval, Add</i>	0.81	
			<i>For Work In Restricted Working Space, Add</i>	2.87	
23 31 13 13-0030	LF		8" x 20", 30 Gauge Galvanized Steel Duct	16.12	6.18
			<i>For Flat Oval, Add</i>	0.87	
			<i>For Work In Restricted Working Space, Add</i>	3.09	
23 31 13 13-0031	LF		8" x 22", 30 Gauge Galvanized Steel Duct	17.29	6.62
			<i>For Flat Oval, Add</i>	0.94	
			<i>For Work In Restricted Working Space, Add</i>	3.31	
23 31 13 13-0032	LF		8" x 24", 30 Gauge Galvanized Steel Duct	18.41	7.06
			<i>For Flat Oval, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	3.53	
23 31 13 13-0033	LF		10" x 10", 30 Gauge Galvanized Steel Duct	11.50	4.41
			<i>For Flat Oval, Add</i>	0.62	
			<i>For Work In Restricted Working Space, Add</i>	2.21	
23 31 13 13-0034	LF		10" x 12", 30 Gauge Galvanized Steel Duct	12.67	4.86
			<i>For Flat Oval, Add</i>	0.69	
			<i>For Work In Restricted Working Space, Add</i>	2.43	
23 31 13 13-0035	LF		10" x 14", 30 Gauge Galvanized Steel Duct	13.81	5.29
			<i>For Flat Oval, Add</i>	0.75	
			<i>For Work In Restricted Working Space, Add</i>	2.65	
23 31 13 13-0036	LF		10" x 16", 30 Gauge Galvanized Steel Duct	14.97	5.74
			<i>For Flat Oval, Add</i>	0.81	
			<i>For Work In Restricted Working Space, Add</i>	2.87	
23 31 13 13-0037	LF		10" x 18", 30 Gauge Galvanized Steel Duct	16.12	6.18
			<i>For Flat Oval, Add</i>	0.87	
			<i>For Work In Restricted Working Space, Add</i>	3.09	
23 31 13 13-0038	LF		10" x 20", 30 Gauge Galvanized Steel Duct	17.29	6.62
			<i>For Flat Oval, Add</i>	0.94	
			<i>For Work In Restricted Working Space, Add</i>	3.31	
23 31 13 13-0039	LF		10" x 22", 30 Gauge Galvanized Steel Duct	18.41	7.06
			<i>For Flat Oval, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	3.53	
23 31 13 13-0040	LF		10" x 24", 30 Gauge Galvanized Steel Duct	19.58	7.50
			<i>For Flat Oval, Add</i>	1.06	
			<i>For Work In Restricted Working Space, Add</i>	3.75	
23 31 13 13-0041	LF		12" x 12", 30 Gauge Galvanized Steel Duct	13.81	5.29
			<i>For Flat Oval, Add</i>	0.75	
			<i>For Work In Restricted Working Space, Add</i>	2.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0042 LF 12" x 14", 30 Gauge Galvanized Steel Duct	14.97	5.74
For Flat Oval, Add	0.81	
For Work In Restricted Working Space, Add	2.87	
23 31 13 13-0043 LF 12" x 16", 30 Gauge Galvanized Steel Duct	16.12	6.18
For Flat Oval, Add	0.87	
For Work In Restricted Working Space, Add	3.09	
23 31 13 13-0044 LF 12" x 18", 30 Gauge Galvanized Steel Duct	17.29	6.62
For Flat Oval, Add	0.94	
For Work In Restricted Working Space, Add	3.31	
23 31 13 13-0045 LF 12" x 20", 30 Gauge Galvanized Steel Duct	18.41	7.06
For Flat Oval, Add	1.00	
For Work In Restricted Working Space, Add	3.53	
23 31 13 13-0046 LF 12" x 22", 30 Gauge Galvanized Steel Duct	19.58	7.50
For Flat Oval, Add	1.06	
For Work In Restricted Working Space, Add	3.75	
23 31 13 13-0047 LF 12" x 24", 30 Gauge Galvanized Steel Duct	20.73	7.95
For Flat Oval, Add	1.12	
For Work In Restricted Working Space, Add	3.97	
23 31 13 13-0048 LF 14" x 14", 30 Gauge Galvanized Steel Duct	16.12	6.18
For Flat Oval, Add	0.87	
For Work In Restricted Working Space, Add	3.09	
23 31 13 13-0049 LF 14" x 16", 30 Gauge Galvanized Steel Duct	17.29	6.62
For Flat Oval, Add	0.94	
For Work In Restricted Working Space, Add	3.31	
23 31 13 13-0050 LF 14" x 18", 30 Gauge Galvanized Steel Duct	18.41	7.06
For Flat Oval, Add	1.00	
For Work In Restricted Working Space, Add	3.53	
23 31 13 13-0051 LF 14" x 20", 30 Gauge Galvanized Steel Duct	19.58	7.50
For Flat Oval, Add	1.06	
For Work In Restricted Working Space, Add	3.75	
23 31 13 13-0052 LF 14" x 22", 30 Gauge Galvanized Steel Duct	20.73	7.95
For Flat Oval, Add	1.12	
For Work In Restricted Working Space, Add	3.97	
23 31 13 13-0053 LF 14" x 24", 30 Gauge Galvanized Steel Duct	21.89	8.38
For Flat Oval, Add	1.19	
For Work In Restricted Working Space, Add	4.19	
23 31 13 13-0054 LF 16" x 16", 30 Gauge Galvanized Steel Duct	18.41	7.06
For Flat Oval, Add	1.00	
For Work In Restricted Working Space, Add	3.53	
23 31 13 13-0055 LF 16" x 18", 30 Gauge Galvanized Steel Duct	19.58	7.50
For Flat Oval, Add	1.06	
For Work In Restricted Working Space, Add	3.75	
23 31 13 13-0056 LF 16" x 20", 30 Gauge Galvanized Steel Duct	20.73	7.95
For Flat Oval, Add	1.12	
For Work In Restricted Working Space, Add	3.97	
23 31 13 13-0057 LF 16" x 22", 30 Gauge Galvanized Steel Duct	21.89	8.38
For Flat Oval, Add	1.19	
For Work In Restricted Working Space, Add	4.19	
23 31 13 13-0058 LF 16" x 24", 30 Gauge Galvanized Steel Duct	23.03	8.83
For Flat Oval, Add	1.25	
For Work In Restricted Working Space, Add	4.41	
23 31 13 13-0059 LF 18" x 18", 30 Gauge Galvanized Steel Duct	20.73	7.95
For Flat Oval, Add	1.12	
For Work In Restricted Working Space, Add	3.97	
23 31 13 13-0060 LF 18" x 20", 30 Gauge Galvanized Steel Duct	21.89	8.38
For Flat Oval, Add	1.19	
For Work In Restricted Working Space, Add	4.19	
23 31 13 13-0061 LF 18" x 22", 30 Gauge Galvanized Steel Duct	23.03	8.83
For Flat Oval, Add	1.25	
For Work In Restricted Working Space, Add	4.41	
23 31 13 13-0062 LF 18" x 24", 30 Gauge Galvanized Steel Duct	24.18	9.27
For Flat Oval, Add	1.31	
For Work In Restricted Working Space, Add	4.64	
23 31 13 13-0063 LF 20" x 20", 30 Gauge Galvanized Steel Duct	23.03	8.83
For Flat Oval, Add	1.25	
For Work In Restricted Working Space, Add	4.41	
23 31 13 13-0064 LF 20" x 22", 30 Gauge Galvanized Steel Duct	24.18	9.27
For Flat Oval, Add	1.31	
For Work In Restricted Working Space, Add	4.64	
23 31 13 13-0065 LF 20" x 24", 30 Gauge Galvanized Steel Duct	25.33	9.70
For Flat Oval, Add	1.37	
For Work In Restricted Working Space, Add	4.85	
23 31 13 13-0066 LF 22" x 22", 30 Gauge Galvanized Steel Duct	25.33	9.70
For Flat Oval, Add	1.37	
For Work In Restricted Working Space, Add	4.85	
23 31 13 13-0067 LF 22" x 24", 30 Gauge Galvanized Steel Duct	26.47	10.15
For Flat Oval, Add	1.43	
For Work In Restricted Working Space, Add	5.07	
23 31 13 13-0068 LF 24" x 24", 30 Gauge Galvanized Steel Duct	27.64	10.59
For Flat Oval, Add	1.50	
For Work In Restricted Working Space, Add	5.30	

23 31 13 13-0069 28 Gauge Galvanized Steel Duct (23 31 13 13-0009)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13	13-0070	LF 4" x 4", 28 Gauge Galvanized Steel Duct	5.47	2.10
			For Flat Oval, Add	0.30	
			For Work In Restricted Working Space, Add	1.05	
23 31	13	13-0071	LF 4" x 6", 28 Gauge Galvanized Steel Duct	6.86	2.63
			For Flat Oval, Add	0.37	
			For Work In Restricted Working Space, Add	1.31	
23 31	13	13-0072	LF 4" x 8", 28 Gauge Galvanized Steel Duct	8.22	3.15
			For Flat Oval, Add	0.45	
			For Work In Restricted Working Space, Add	1.58	
23 31	13	13-0073	LF 4" x 10", 28 Gauge Galvanized Steel Duct	9.59	3.68
			For Flat Oval, Add	0.52	
			For Work In Restricted Working Space, Add	1.84	
23 31	13	13-0074	LF 4" x 12", 28 Gauge Galvanized Steel Duct	10.98	4.20
			For Flat Oval, Add	0.60	
			For Work In Restricted Working Space, Add	2.10	
23 31	13	13-0075	LF 4" x 14", 28 Gauge Galvanized Steel Duct	12.34	4.73
			For Flat Oval, Add	0.67	
			For Work In Restricted Working Space, Add	2.36	
23 31	13	13-0076	LF 4" x 16", 28 Gauge Galvanized Steel Duct	13.69	5.25
			For Flat Oval, Add	0.74	
			For Work In Restricted Working Space, Add	2.63	
23 31	13	13-0077	LF 6" x 6", 28 Gauge Galvanized Steel Duct	8.22	3.15
			For Flat Oval, Add	0.45	
			For Work In Restricted Working Space, Add	1.58	
23 31	13	13-0078	LF 6" x 8", 28 Gauge Galvanized Steel Duct	9.59	3.68
			For Flat Oval, Add	0.52	
			For Work In Restricted Working Space, Add	1.84	
23 31	13	13-0079	LF 6" x 10", 28 Gauge Galvanized Steel Duct	10.98	4.20
			For Flat Oval, Add	0.60	
			For Work In Restricted Working Space, Add	2.10	
23 31	13	13-0080	LF 6" x 12", 28 Gauge Galvanized Steel Duct	12.34	4.73
			For Flat Oval, Add	0.67	
			For Work In Restricted Working Space, Add	2.36	
23 31	13	13-0081	LF 6" x 14", 28 Gauge Galvanized Steel Duct	13.69	5.25
			For Flat Oval, Add	0.74	
			For Work In Restricted Working Space, Add	2.63	
23 31	13	13-0082	LF 6" x 16", 28 Gauge Galvanized Steel Duct	15.08	5.78
			For Flat Oval, Add	0.82	
			For Work In Restricted Working Space, Add	2.89	
23 31	13	13-0083	LF 8" x 8", 28 Gauge Galvanized Steel Duct	10.98	4.20
			For Flat Oval, Add	0.60	
			For Work In Restricted Working Space, Add	2.10	
23 31	13	13-0084	LF 8" x 10", 28 Gauge Galvanized Steel Duct	12.34	4.73
			For Flat Oval, Add	0.67	
			For Work In Restricted Working Space, Add	2.36	
23 31	13	13-0085	LF 8" x 12", 28 Gauge Galvanized Steel Duct	13.69	5.25
			For Flat Oval, Add	0.74	
			For Work In Restricted Working Space, Add	2.63	
23 31	13	13-0086	LF 8" x 14", 28 Gauge Galvanized Steel Duct	15.08	5.78
			For Flat Oval, Add	0.82	
			For Work In Restricted Working Space, Add	2.89	
23 31	13	13-0087	LF 8" x 16", 28 Gauge Galvanized Steel Duct	16.45	6.30
			For Flat Oval, Add	0.89	
			For Work In Restricted Working Space, Add	3.15	
23 31	13	13-0088	LF 8" x 18", 28 Gauge Galvanized Steel Duct	17.81	6.83
			For Flat Oval, Add	0.96	
			For Work In Restricted Working Space, Add	3.41	
23 31	13	13-0089	LF 8" x 20", 28 Gauge Galvanized Steel Duct	19.20	7.35
			For Flat Oval, Add	1.04	
			For Work In Restricted Working Space, Add	3.68	
23 31	13	13-0090	LF 8" x 22", 28 Gauge Galvanized Steel Duct	20.57	7.88
			For Flat Oval, Add	1.11	
			For Work In Restricted Working Space, Add	3.94	
23 31	13	13-0091	LF 8" x 24", 28 Gauge Galvanized Steel Duct	21.94	8.40
			For Flat Oval, Add	1.19	
			For Work In Restricted Working Space, Add	4.20	
23 31	13	13-0092	LF 10" x 10", 28 Gauge Galvanized Steel Duct	13.69	5.25
			For Flat Oval, Add	0.74	
			For Work In Restricted Working Space, Add	2.63	
23 31	13	13-0093	LF 10" x 12", 28 Gauge Galvanized Steel Duct	15.08	5.78
			For Flat Oval, Add	0.82	
			For Work In Restricted Working Space, Add	2.89	
23 31	13	13-0094	LF 10" x 14", 28 Gauge Galvanized Steel Duct	16.45	6.30
			For Flat Oval, Add	0.89	
			For Work In Restricted Working Space, Add	3.15	
23 31	13	13-0095	LF 10" x 16", 28 Gauge Galvanized Steel Duct	17.81	6.83
			For Flat Oval, Add	0.96	
			For Work In Restricted Working Space, Add	3.41	
23 31	13	13-0096	LF 10" x 18", 28 Gauge Galvanized Steel Duct	19.20	7.35
			For Flat Oval, Add	1.04	
			For Work In Restricted Working Space, Add	3.68	
23 31	13	13-0097	LF 10" x 20", 28 Gauge Galvanized Steel Duct	20.57	7.88
			For Flat Oval, Add	1.11	
			For Work In Restricted Working Space, Add	3.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0098 LF 10" x 22", 28 Gauge Galvanized Steel Duct	21.94	8.40
For Flat Oval, Add	1.19	
For Work In Restricted Working Space, Add	4.20	
23 31 13 13-0099 LF 10" x 24", 28 Gauge Galvanized Steel Duct	23.30	8.94
For Flat Oval, Add	1.26	
For Work In Restricted Working Space, Add	4.46	
23 31 13 13-0100 LF 12" x 12", 28 Gauge Galvanized Steel Duct	16.45	6.30
For Flat Oval, Add	0.89	
For Work In Restricted Working Space, Add	3.15	
23 31 13 13-0101 LF 12" x 14", 28 Gauge Galvanized Steel Duct	17.81	6.83
For Flat Oval, Add	0.96	
For Work In Restricted Working Space, Add	3.41	
23 31 13 13-0102 LF 12" x 16", 28 Gauge Galvanized Steel Duct	19.20	7.35
For Flat Oval, Add	1.04	
For Work In Restricted Working Space, Add	3.68	
23 31 13 13-0103 LF 12" x 18", 28 Gauge Galvanized Steel Duct	20.57	7.88
For Flat Oval, Add	1.11	
For Work In Restricted Working Space, Add	3.94	
23 31 13 13-0104 LF 12" x 20", 28 Gauge Galvanized Steel Duct	21.94	8.40
For Flat Oval, Add	1.19	
For Work In Restricted Working Space, Add	4.20	
23 31 13 13-0105 LF 12" x 22", 28 Gauge Galvanized Steel Duct	23.30	8.94
For Flat Oval, Add	1.26	
For Work In Restricted Working Space, Add	4.46	
23 31 13 13-0106 LF 12" x 24", 28 Gauge Galvanized Steel Duct	24.67	9.46
For Flat Oval, Add	1.34	
For Work In Restricted Working Space, Add	4.73	
23 31 13 13-0107 LF 14" x 14", 28 Gauge Galvanized Steel Duct	19.20	7.35
For Flat Oval, Add	1.04	
For Work In Restricted Working Space, Add	3.68	
23 31 13 13-0108 LF 14" x 16", 28 Gauge Galvanized Steel Duct	20.57	7.88
For Flat Oval, Add	1.11	
For Work In Restricted Working Space, Add	3.94	
23 31 13 13-0109 LF 14" x 18", 28 Gauge Galvanized Steel Duct	21.94	8.40
For Flat Oval, Add	1.19	
For Work In Restricted Working Space, Add	4.20	
23 31 13 13-0110 LF 14" x 20", 28 Gauge Galvanized Steel Duct	23.30	8.94
For Flat Oval, Add	1.26	
For Work In Restricted Working Space, Add	4.46	
23 31 13 13-0111 LF 14" x 22", 28 Gauge Galvanized Steel Duct	24.67	9.46
For Flat Oval, Add	1.34	
For Work In Restricted Working Space, Add	4.73	
23 31 13 13-0112 LF 14" x 24", 28 Gauge Galvanized Steel Duct	26.06	9.99
For Flat Oval, Add	1.41	
For Work In Restricted Working Space, Add	4.99	
23 31 13 13-0113 LF 16" x 16", 28 Gauge Galvanized Steel Duct	21.94	8.40
For Flat Oval, Add	1.19	
For Work In Restricted Working Space, Add	4.20	
23 31 13 13-0114 LF 16" x 18", 28 Gauge Galvanized Steel Duct	23.30	8.94
For Flat Oval, Add	1.26	
For Work In Restricted Working Space, Add	4.46	
23 31 13 13-0115 LF 16" x 20", 28 Gauge Galvanized Steel Duct	24.67	9.46
For Flat Oval, Add	1.34	
For Work In Restricted Working Space, Add	4.73	
23 31 13 13-0116 LF 16" x 22", 28 Gauge Galvanized Steel Duct	26.06	9.99
For Flat Oval, Add	1.41	
For Work In Restricted Working Space, Add	4.99	
23 31 13 13-0117 LF 16" x 24", 28 Gauge Galvanized Steel Duct	27.42	10.51
For Flat Oval, Add	1.49	
For Work In Restricted Working Space, Add	5.25	
23 31 13 13-0118 LF 18" x 18", 28 Gauge Galvanized Steel Duct	24.67	9.46
For Flat Oval, Add	1.34	
For Work In Restricted Working Space, Add	4.73	
23 31 13 13-0119 LF 18" x 20", 28 Gauge Galvanized Steel Duct	26.06	9.99
For Flat Oval, Add	1.41	
For Work In Restricted Working Space, Add	4.99	
23 31 13 13-0120 LF 18" x 22", 28 Gauge Galvanized Steel Duct	27.42	10.51
For Flat Oval, Add	1.49	
For Work In Restricted Working Space, Add	5.25	
23 31 13 13-0121 LF 18" x 24", 28 Gauge Galvanized Steel Duct	28.79	11.04
For Flat Oval, Add	1.56	
For Work In Restricted Working Space, Add	5.52	
23 31 13 13-0122 LF 20" x 20", 28 Gauge Galvanized Steel Duct	27.42	10.51
For Flat Oval, Add	1.49	
For Work In Restricted Working Space, Add	5.25	
23 31 13 13-0123 LF 20" x 22", 28 Gauge Galvanized Steel Duct	28.79	11.04
For Flat Oval, Add	1.56	
For Work In Restricted Working Space, Add	5.52	
23 31 13 13-0124 LF 20" x 24", 28 Gauge Galvanized Steel Duct	30.17	11.56
For Flat Oval, Add	1.64	
For Work In Restricted Working Space, Add	5.78	
23 31 13 13-0125 LF 22" x 22", 28 Gauge Galvanized Steel Duct	30.17	11.56
For Flat Oval, Add	1.64	
For Work In Restricted Working Space, Add	5.78	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0126 LF 22" x 24", 28 Gauge Galvanized Steel Duct	31.53	12.09
For Flat Oval, Add	1.71	
For Work In Restricted Working Space, Add	6.04	
23 31 13 13-0127 LF 24" x 24", 28 Gauge Galvanized Steel Duct	32.89	12.61
For Flat Oval, Add	1.78	
For Work In Restricted Working Space, Add	6.30	
23 31 13 13-0128 26 Gauge Galvanized Steel Duct (23 31 13 13-0009)		
23 31 13 13-0129 LF 4" x 4", 26 Gauge Galvanized Steel Duct	6.36	2.44
For Flat Oval, Add	0.35	
For Work In Restricted Working Space, Add	1.22	
23 31 13 13-0130 LF 4" x 6", 26 Gauge Galvanized Steel Duct	7.95	3.05
For Flat Oval, Add	0.43	
For Work In Restricted Working Space, Add	1.52	
23 31 13 13-0131 LF 4" x 8", 26 Gauge Galvanized Steel Duct	9.55	3.66
For Flat Oval, Add	0.52	
For Work In Restricted Working Space, Add	1.83	
23 31 13 13-0132 LF 4" x 10", 26 Gauge Galvanized Steel Duct	11.13	4.27
For Flat Oval, Add	0.60	
For Work In Restricted Working Space, Add	2.13	
23 31 13 13-0133 LF 4" x 12", 26 Gauge Galvanized Steel Duct	12.73	4.88
For Flat Oval, Add	0.69	
For Work In Restricted Working Space, Add	2.44	
23 31 13 13-0134 LF 4" x 14", 26 Gauge Galvanized Steel Duct	14.31	5.48
For Flat Oval, Add	0.78	
For Work In Restricted Working Space, Add	2.74	
23 31 13 13-0135 LF 4" x 16", 26 Gauge Galvanized Steel Duct	15.90	6.10
For Flat Oval, Add	0.86	
For Work In Restricted Working Space, Add	3.05	
23 31 13 13-0136 LF 6" x 6", 26 Gauge Galvanized Steel Duct	9.55	3.66
For Flat Oval, Add	0.52	
For Work In Restricted Working Space, Add	1.83	
23 31 13 13-0137 LF 6" x 8", 26 Gauge Galvanized Steel Duct	11.13	4.27
For Flat Oval, Add	0.60	
For Work In Restricted Working Space, Add	2.13	
23 31 13 13-0138 LF 6" x 10", 26 Gauge Galvanized Steel Duct	12.73	4.88
For Flat Oval, Add	0.69	
For Work In Restricted Working Space, Add	2.44	
23 31 13 13-0139 LF 6" x 12", 26 Gauge Galvanized Steel Duct	14.31	5.48
For Flat Oval, Add	0.78	
For Work In Restricted Working Space, Add	2.74	
23 31 13 13-0140 LF 6" x 14", 26 Gauge Galvanized Steel Duct	15.90	6.10
For Flat Oval, Add	0.86	
For Work In Restricted Working Space, Add	3.05	
23 31 13 13-0141 LF 6" x 16", 26 Gauge Galvanized Steel Duct	17.51	6.70
For Flat Oval, Add	0.95	
For Work In Restricted Working Space, Add	3.35	
23 31 13 13-0142 LF 8" x 8", 26 Gauge Galvanized Steel Duct	12.73	4.88
For Flat Oval, Add	0.69	
For Work In Restricted Working Space, Add	2.44	
23 31 13 13-0143 LF 8" x 10", 26 Gauge Galvanized Steel Duct	14.31	5.48
For Flat Oval, Add	0.78	
For Work In Restricted Working Space, Add	2.74	
23 31 13 13-0144 LF 8" x 12", 26 Gauge Galvanized Steel Duct	15.90	6.10
For Flat Oval, Add	0.86	
For Work In Restricted Working Space, Add	3.05	
23 31 13 13-0145 LF 8" x 14", 26 Gauge Galvanized Steel Duct	17.51	6.70
For Flat Oval, Add	0.95	
For Work In Restricted Working Space, Add	3.35	
23 31 13 13-0146 LF 8" x 16", 26 Gauge Galvanized Steel Duct	19.09	7.31
For Flat Oval, Add	1.04	
For Work In Restricted Working Space, Add	3.66	
23 31 13 13-0147 LF 8" x 18", 26 Gauge Galvanized Steel Duct	20.68	7.93
For Flat Oval, Add	1.12	
For Work In Restricted Working Space, Add	3.96	
23 31 13 13-0148 LF 8" x 20", 26 Gauge Galvanized Steel Duct	22.26	8.53
For Flat Oval, Add	1.21	
For Work In Restricted Working Space, Add	4.27	
23 31 13 13-0149 LF 8" x 22", 26 Gauge Galvanized Steel Duct	23.87	9.14
For Flat Oval, Add	1.29	
For Work In Restricted Working Space, Add	4.57	
23 31 13 13-0150 LF 8" x 24", 26 Gauge Galvanized Steel Duct	25.46	9.75
For Flat Oval, Add	1.38	
For Work In Restricted Working Space, Add	4.88	
23 31 13 13-0151 LF 10" x 10", 26 Gauge Galvanized Steel Duct	15.90	6.10
For Flat Oval, Add	0.86	
For Work In Restricted Working Space, Add	3.05	
23 31 13 13-0152 LF 10" x 12", 26 Gauge Galvanized Steel Duct	17.49	6.70
For Flat Oval, Add	0.95	
For Work In Restricted Working Space, Add	3.35	
23 31 13 13-0153 LF 10" x 14", 26 Gauge Galvanized Steel Duct	19.09	7.31
For Flat Oval, Add	1.04	
For Work In Restricted Working Space, Add	3.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0154 LF 10" x 16", 26 Gauge Galvanized Steel Duct	20.68	7.93
For Flat Oval, Add	1.12	
For Work In Restricted Working Space, Add	3.96	
23 31 13 13-0155 LF 10" x 18", 26 Gauge Galvanized Steel Duct	22.26	8.53
For Flat Oval, Add	1.21	
For Work In Restricted Working Space, Add	4.27	
23 31 13 13-0156 LF 10" x 20", 26 Gauge Galvanized Steel Duct	23.87	9.14
For Flat Oval, Add	1.29	
For Work In Restricted Working Space, Add	4.57	
23 31 13 13-0157 LF 10" x 22", 26 Gauge Galvanized Steel Duct	25.46	9.75
For Flat Oval, Add	1.38	
For Work In Restricted Working Space, Add	4.88	
23 31 13 13-0158 LF 10" x 24", 26 Gauge Galvanized Steel Duct	27.03	10.36
For Flat Oval, Add	1.46	
For Work In Restricted Working Space, Add	5.18	
23 31 13 13-0159 LF 12" x 12", 26 Gauge Galvanized Steel Duct	19.08	7.31
For Flat Oval, Add	1.03	
For Work In Restricted Working Space, Add	3.66	
23 31 13 13-0160 LF 12" x 14", 26 Gauge Galvanized Steel Duct	20.68	7.93
For Flat Oval, Add	1.12	
For Work In Restricted Working Space, Add	3.96	
23 31 13 13-0161 LF 12" x 16", 26 Gauge Galvanized Steel Duct	22.26	8.53
For Flat Oval, Add	1.21	
For Work In Restricted Working Space, Add	4.27	
23 31 13 13-0162 LF 12" x 18", 26 Gauge Galvanized Steel Duct	23.87	9.14
For Flat Oval, Add	1.29	
For Work In Restricted Working Space, Add	4.57	
23 31 13 13-0163 LF 12" x 20", 26 Gauge Galvanized Steel Duct	25.46	9.75
For Flat Oval, Add	1.38	
For Work In Restricted Working Space, Add	4.88	
23 31 13 13-0164 LF 12" x 22", 26 Gauge Galvanized Steel Duct	27.03	10.36
For Flat Oval, Add	1.46	
For Work In Restricted Working Space, Add	5.18	
23 31 13 13-0165 LF 12" x 24", 26 Gauge Galvanized Steel Duct	28.62	10.97
For Flat Oval, Add	1.55	
For Work In Restricted Working Space, Add	5.49	
23 31 13 13-0166 LF 14" x 14", 26 Gauge Galvanized Steel Duct	22.26	8.53
For Flat Oval, Add	1.21	
For Work In Restricted Working Space, Add	4.27	
23 31 13 13-0167 LF 14" x 16", 26 Gauge Galvanized Steel Duct	23.87	9.14
For Flat Oval, Add	1.29	
For Work In Restricted Working Space, Add	4.57	
23 31 13 13-0168 LF 14" x 18", 26 Gauge Galvanized Steel Duct	25.46	9.75
For Flat Oval, Add	1.38	
For Work In Restricted Working Space, Add	4.88	
23 31 13 13-0169 LF 14" x 20", 26 Gauge Galvanized Steel Duct	27.03	10.36
For Flat Oval, Add	1.46	
For Work In Restricted Working Space, Add	5.18	
23 31 13 13-0170 LF 14" x 22", 26 Gauge Galvanized Steel Duct	28.62	10.97
For Flat Oval, Add	1.55	
For Work In Restricted Working Space, Add	5.49	
23 31 13 13-0171 LF 14" x 24", 26 Gauge Galvanized Steel Duct	30.22	11.58
For Flat Oval, Add	1.64	
For Work In Restricted Working Space, Add	5.79	
23 31 13 13-0172 LF 16" x 16", 26 Gauge Galvanized Steel Duct	25.46	9.75
For Flat Oval, Add	1.38	
For Work In Restricted Working Space, Add	4.88	
23 31 13 13-0173 LF 16" x 18", 26 Gauge Galvanized Steel Duct	27.03	10.36
For Flat Oval, Add	1.46	
For Work In Restricted Working Space, Add	5.18	
23 31 13 13-0174 LF 16" x 20", 26 Gauge Galvanized Steel Duct	28.62	10.97
For Flat Oval, Add	1.55	
For Work In Restricted Working Space, Add	5.49	
23 31 13 13-0175 LF 16" x 22", 26 Gauge Galvanized Steel Duct	30.22	11.58
For Flat Oval, Add	1.64	
For Work In Restricted Working Space, Add	5.79	
23 31 13 13-0176 LF 16" x 24", 26 Gauge Galvanized Steel Duct	31.81	12.19
For Flat Oval, Add	1.72	
For Work In Restricted Working Space, Add	6.10	
23 31 13 13-0177 LF 18" x 18", 26 Gauge Galvanized Steel Duct	28.62	10.97
For Flat Oval, Add	1.55	
For Work In Restricted Working Space, Add	5.49	
23 31 13 13-0178 LF 18" x 20", 26 Gauge Galvanized Steel Duct	30.22	11.58
For Flat Oval, Add	1.64	
For Work In Restricted Working Space, Add	5.79	
23 31 13 13-0179 LF 18" x 22", 26 Gauge Galvanized Steel Duct	31.81	12.19
For Flat Oval, Add	1.72	
For Work In Restricted Working Space, Add	6.10	
23 31 13 13-0180 LF 18" x 24", 26 Gauge Galvanized Steel Duct	33.40	12.80
For Flat Oval, Add	1.81	
For Work In Restricted Working Space, Add	6.40	
23 31 13 13-0181 LF 20" x 20", 26 Gauge Galvanized Steel Duct	31.81	12.19
For Flat Oval, Add	1.72	
For Work In Restricted Working Space, Add	6.10	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0182	LF		20" x 22", 26 Gauge Galvanized Steel Duct	33.40	12.80
			<i>For Flat Oval, Add</i>	1.81	
			<i>For Work In Restricted Working Space, Add</i>	6.40	
23 31 13 13-0183	LF		20" x 24", 26 Gauge Galvanized Steel Duct	34.98	13.41
			<i>For Flat Oval, Add</i>	1.89	
			<i>For Work In Restricted Working Space, Add</i>	6.71	
23 31 13 13-0184	LF		22" x 22", 26 Gauge Galvanized Steel Duct	34.98	13.41
			<i>For Flat Oval, Add</i>	1.89	
			<i>For Work In Restricted Working Space, Add</i>	6.71	
23 31 13 13-0185	LF		22" x 24", 26 Gauge Galvanized Steel Duct	36.59	14.02
			<i>For Flat Oval, Add</i>	1.98	
			<i>For Work In Restricted Working Space, Add</i>	7.01	
23 31 13 13-0186	LF		24" x 24", 26 Gauge Galvanized Steel Duct	38.17	14.63
			<i>For Flat Oval, Add</i>	2.07	
			<i>For Work In Restricted Working Space, Add</i>	7.31	
23 31 13 13-0187			24 Gauge Galvanized Steel Duct <small>(23 31 13 13-0009)</small>		
23 31 13 13-0188	LF		4" x 4", 24 Gauge Galvanized Steel Duct	8.12	3.11
			<i>For Flat Oval, Add</i>	0.44	
			<i>For Work In Restricted Working Space, Add</i>	1.56	
23 31 13 13-0189	LF		4" x 6", 24 Gauge Galvanized Steel Duct	10.14	3.89
			<i>For Flat Oval, Add</i>	0.55	
			<i>For Work In Restricted Working Space, Add</i>	1.94	
23 31 13 13-0190	LF		4" x 8", 24 Gauge Galvanized Steel Duct	12.18	4.67
			<i>For Flat Oval, Add</i>	0.66	
			<i>For Work In Restricted Working Space, Add</i>	2.33	
23 31 13 13-0191	LF		4" x 10", 24 Gauge Galvanized Steel Duct	14.21	5.44
			<i>For Flat Oval, Add</i>	0.77	
			<i>For Work In Restricted Working Space, Add</i>	2.72	
23 31 13 13-0192	LF		4" x 12", 24 Gauge Galvanized Steel Duct	16.23	6.22
			<i>For Flat Oval, Add</i>	0.88	
			<i>For Work In Restricted Working Space, Add</i>	3.11	
23 31 13 13-0193	LF		4" x 14", 24 Gauge Galvanized Steel Duct	18.26	7.00
			<i>For Flat Oval, Add</i>	0.99	
			<i>For Work In Restricted Working Space, Add</i>	3.50	
23 31 13 13-0194	LF		4" x 16", 24 Gauge Galvanized Steel Duct	20.29	7.78
			<i>For Flat Oval, Add</i>	1.10	
			<i>For Work In Restricted Working Space, Add</i>	3.89	
23 31 13 13-0195	LF		6" x 6", 24 Gauge Galvanized Steel Duct	12.18	4.67
			<i>For Flat Oval, Add</i>	0.66	
			<i>For Work In Restricted Working Space, Add</i>	2.33	
23 31 13 13-0196	LF		6" x 8", 24 Gauge Galvanized Steel Duct	14.21	5.44
			<i>For Flat Oval, Add</i>	0.77	
			<i>For Work In Restricted Working Space, Add</i>	2.72	
23 31 13 13-0197	LF		6" x 10", 24 Gauge Galvanized Steel Duct	16.23	6.22
			<i>For Flat Oval, Add</i>	0.88	
			<i>For Work In Restricted Working Space, Add</i>	3.11	
23 31 13 13-0198	LF		6" x 12", 24 Gauge Galvanized Steel Duct	18.26	7.00
			<i>For Flat Oval, Add</i>	0.99	
			<i>For Work In Restricted Working Space, Add</i>	3.50	
23 31 13 13-0199	LF		6" x 14", 24 Gauge Galvanized Steel Duct	20.29	7.78
			<i>For Flat Oval, Add</i>	1.10	
			<i>For Work In Restricted Working Space, Add</i>	3.89	
23 31 13 13-0200	LF		6" x 16", 24 Gauge Galvanized Steel Duct	22.32	8.55
			<i>For Flat Oval, Add</i>	1.21	
			<i>For Work In Restricted Working Space, Add</i>	4.28	
23 31 13 13-0201	LF		8" x 8", 24 Gauge Galvanized Steel Duct	16.23	6.22
			<i>For Flat Oval, Add</i>	0.88	
			<i>For Work In Restricted Working Space, Add</i>	3.11	
23 31 13 13-0202	LF		8" x 10", 24 Gauge Galvanized Steel Duct	18.26	7.00
			<i>For Flat Oval, Add</i>	0.99	
			<i>For Work In Restricted Working Space, Add</i>	3.50	
23 31 13 13-0203	LF		8" x 12", 24 Gauge Galvanized Steel Duct	20.29	7.78
			<i>For Flat Oval, Add</i>	1.10	
			<i>For Work In Restricted Working Space, Add</i>	3.89	
23 31 13 13-0204	LF		8" x 14", 24 Gauge Galvanized Steel Duct	22.32	8.55
			<i>For Flat Oval, Add</i>	1.21	
			<i>For Work In Restricted Working Space, Add</i>	4.28	
23 31 13 13-0205	LF		8" x 16", 24 Gauge Galvanized Steel Duct	24.35	9.33
			<i>For Flat Oval, Add</i>	1.32	
			<i>For Work In Restricted Working Space, Add</i>	4.67	
23 31 13 13-0206	LF		8" x 18", 24 Gauge Galvanized Steel Duct	26.38	10.11
			<i>For Flat Oval, Add</i>	1.43	
			<i>For Work In Restricted Working Space, Add</i>	5.06	
23 31 13 13-0207	LF		8" x 20", 24 Gauge Galvanized Steel Duct	28.41	10.89
			<i>For Flat Oval, Add</i>	1.54	
			<i>For Work In Restricted Working Space, Add</i>	5.45	
23 31 13 13-0208	LF		8" x 22", 24 Gauge Galvanized Steel Duct	30.44	11.66
			<i>For Flat Oval, Add</i>	1.65	
			<i>For Work In Restricted Working Space, Add</i>	5.83	
23 31 13 13-0209	LF		8" x 24", 24 Gauge Galvanized Steel Duct	32.47	12.44
			<i>For Flat Oval, Add</i>	1.76	
			<i>For Work In Restricted Working Space, Add</i>	6.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0210 LF 10" x 10", 24 Gauge Galvanized Steel Duct	20.29	7.78
For Flat Oval, Add	1.10	
For Work In Restricted Working Space, Add	3.89	
23 31 13 13-0211 LF 10" x 12", 24 Gauge Galvanized Steel Duct	22.32	8.55
For Flat Oval, Add	1.21	
For Work In Restricted Working Space, Add	4.28	
23 31 13 13-0212 LF 10" x 14", 24 Gauge Galvanized Steel Duct	24.35	9.33
For Flat Oval, Add	1.32	
For Work In Restricted Working Space, Add	4.67	
23 31 13 13-0213 LF 10" x 16", 24 Gauge Galvanized Steel Duct	26.38	10.11
For Flat Oval, Add	1.43	
For Work In Restricted Working Space, Add	5.06	
23 31 13 13-0214 LF 10" x 18", 24 Gauge Galvanized Steel Duct	28.41	10.89
For Flat Oval, Add	1.54	
For Work In Restricted Working Space, Add	5.45	
23 31 13 13-0215 LF 10" x 20", 24 Gauge Galvanized Steel Duct	30.44	11.66
For Flat Oval, Add	1.65	
For Work In Restricted Working Space, Add	5.83	
23 31 13 13-0216 LF 10" x 22", 24 Gauge Galvanized Steel Duct	32.47	12.44
For Flat Oval, Add	1.76	
For Work In Restricted Working Space, Add	6.22	
23 31 13 13-0217 LF 10" x 24", 24 Gauge Galvanized Steel Duct	34.49	13.22
For Flat Oval, Add	1.87	
For Work In Restricted Working Space, Add	6.61	
23 31 13 13-0218 LF 10" x 26", 24 Gauge Galvanized Steel Duct	36.53	14.00
For Flat Oval, Add	1.98	
For Work In Restricted Working Space, Add	7.00	
23 31 13 13-0219 LF 10" x 28", 24 Gauge Galvanized Steel Duct	38.56	14.77
For Flat Oval, Add	2.09	
For Work In Restricted Working Space, Add	7.39	
23 31 13 13-0220 LF 10" x 30", 24 Gauge Galvanized Steel Duct	40.58	15.55
For Flat Oval, Add	2.20	
For Work In Restricted Working Space, Add	7.78	
23 31 13 13-0221 LF 12" x 12", 24 Gauge Galvanized Steel Duct	24.35	9.33
For Flat Oval, Add	1.32	
For Work In Restricted Working Space, Add	4.67	
23 31 13 13-0222 LF 12" x 14", 24 Gauge Galvanized Steel Duct	26.38	10.11
For Flat Oval, Add	1.43	
For Work In Restricted Working Space, Add	5.06	
23 31 13 13-0223 LF 12" x 16", 24 Gauge Galvanized Steel Duct	28.41	10.89
For Flat Oval, Add	1.54	
For Work In Restricted Working Space, Add	5.45	
23 31 13 13-0224 LF 12" x 18", 24 Gauge Galvanized Steel Duct	30.44	11.66
For Flat Oval, Add	1.65	
For Work In Restricted Working Space, Add	5.83	
23 31 13 13-0225 LF 12" x 20", 24 Gauge Galvanized Steel Duct	32.47	12.44
For Flat Oval, Add	1.76	
For Work In Restricted Working Space, Add	6.22	
23 31 13 13-0226 LF 12" x 22", 24 Gauge Galvanized Steel Duct	34.49	13.22
For Flat Oval, Add	1.87	
For Work In Restricted Working Space, Add	6.61	
23 31 13 13-0227 LF 12" x 24", 24 Gauge Galvanized Steel Duct	36.53	14.00
For Flat Oval, Add	1.98	
For Work In Restricted Working Space, Add	7.00	
23 31 13 13-0228 LF 12" x 26", 24 Gauge Galvanized Steel Duct	38.56	14.77
For Flat Oval, Add	2.09	
For Work In Restricted Working Space, Add	7.39	
23 31 13 13-0229 LF 12" x 28", 24 Gauge Galvanized Steel Duct	40.58	15.55
For Flat Oval, Add	2.20	
For Work In Restricted Working Space, Add	7.78	
23 31 13 13-0230 LF 12" x 30", 24 Gauge Galvanized Steel Duct	42.61	16.33
For Flat Oval, Add	2.31	
For Work In Restricted Working Space, Add	8.17	
23 31 13 13-0231 LF 14" x 14", 24 Gauge Galvanized Steel Duct	28.41	10.89
For Flat Oval, Add	1.54	
For Work In Restricted Working Space, Add	5.45	
23 31 13 13-0232 LF 14" x 16", 24 Gauge Galvanized Steel Duct	30.44	11.66
For Flat Oval, Add	1.65	
For Work In Restricted Working Space, Add	5.83	
23 31 13 13-0233 LF 14" x 18", 24 Gauge Galvanized Steel Duct	32.47	12.44
For Flat Oval, Add	1.76	
For Work In Restricted Working Space, Add	6.22	
23 31 13 13-0234 LF 14" x 20", 24 Gauge Galvanized Steel Duct	34.49	13.22
For Flat Oval, Add	1.87	
For Work In Restricted Working Space, Add	6.61	
23 31 13 13-0235 LF 14" x 22", 24 Gauge Galvanized Steel Duct	36.53	14.00
For Flat Oval, Add	1.98	
For Work In Restricted Working Space, Add	7.00	
23 31 13 13-0236 LF 14" x 24", 24 Gauge Galvanized Steel Duct	38.56	14.77
For Flat Oval, Add	2.09	
For Work In Restricted Working Space, Add	7.39	
23 31 13 13-0237 LF 14" x 26", 24 Gauge Galvanized Steel Duct	40.58	15.55
For Flat Oval, Add	2.20	
For Work In Restricted Working Space, Add	7.78	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0238	LF		14" x 28", 24 Gauge Galvanized Steel Duct	42.61	16.33
			<i>For Flat Oval, Add</i>	2.31	
			<i>For Work In Restricted Working Space, Add</i>	8.17	
23 31 13 13-0239	LF		14" x 30", 24 Gauge Galvanized Steel Duct	44.65	17.12
			<i>For Flat Oval, Add</i>	2.42	
			<i>For Work In Restricted Working Space, Add</i>	8.56	
23 31 13 13-0240	LF		16" x 16", 24 Gauge Galvanized Steel Duct	32.47	12.44
			<i>For Flat Oval, Add</i>	1.76	
			<i>For Work In Restricted Working Space, Add</i>	6.22	
23 31 13 13-0241	LF		16" x 18", 24 Gauge Galvanized Steel Duct	34.49	13.22
			<i>For Flat Oval, Add</i>	1.87	
			<i>For Work In Restricted Working Space, Add</i>	6.61	
23 31 13 13-0242	LF		16" x 20", 24 Gauge Galvanized Steel Duct	36.53	14.00
			<i>For Flat Oval, Add</i>	1.98	
			<i>For Work In Restricted Working Space, Add</i>	7.00	
23 31 13 13-0243	LF		16" x 22", 24 Gauge Galvanized Steel Duct	38.56	14.77
			<i>For Flat Oval, Add</i>	2.09	
			<i>For Work In Restricted Working Space, Add</i>	7.39	
23 31 13 13-0244	LF		16" x 24", 24 Gauge Galvanized Steel Duct	40.58	15.55
			<i>For Flat Oval, Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	7.78	
23 31 13 13-0245	LF		16" x 26", 24 Gauge Galvanized Steel Duct	42.61	16.33
			<i>For Flat Oval, Add</i>	2.31	
			<i>For Work In Restricted Working Space, Add</i>	8.17	
23 31 13 13-0246	LF		16" x 28", 24 Gauge Galvanized Steel Duct	44.65	17.12
			<i>For Flat Oval, Add</i>	2.42	
			<i>For Work In Restricted Working Space, Add</i>	8.56	
23 31 13 13-0247	LF		16" x 30", 24 Gauge Galvanized Steel Duct	46.67	17.88
			<i>For Flat Oval, Add</i>	2.53	
			<i>For Work In Restricted Working Space, Add</i>	8.94	
23 31 13 13-0248	LF		18" x 18", 24 Gauge Galvanized Steel Duct	36.53	14.00
			<i>For Flat Oval, Add</i>	1.98	
			<i>For Work In Restricted Working Space, Add</i>	7.00	
23 31 13 13-0249	LF		18" x 20", 24 Gauge Galvanized Steel Duct	38.56	14.77
			<i>For Flat Oval, Add</i>	2.09	
			<i>For Work In Restricted Working Space, Add</i>	7.39	
23 31 13 13-0250	LF		18" x 22", 24 Gauge Galvanized Steel Duct	40.58	15.55
			<i>For Flat Oval, Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	7.78	
23 31 13 13-0251	LF		18" x 24", 24 Gauge Galvanized Steel Duct	42.61	16.33
			<i>For Flat Oval, Add</i>	2.31	
			<i>For Work In Restricted Working Space, Add</i>	8.17	
23 31 13 13-0252	LF		18" x 26", 24 Gauge Galvanized Steel Duct	44.65	17.12
			<i>For Flat Oval, Add</i>	2.42	
			<i>For Work In Restricted Working Space, Add</i>	8.56	
23 31 13 13-0253	LF		18" x 28", 24 Gauge Galvanized Steel Duct	46.67	17.88
			<i>For Flat Oval, Add</i>	2.53	
			<i>For Work In Restricted Working Space, Add</i>	8.94	
23 31 13 13-0254	LF		18" x 30", 24 Gauge Galvanized Steel Duct	48.69	18.66
			<i>For Flat Oval, Add</i>	2.64	
			<i>For Work In Restricted Working Space, Add</i>	9.33	
23 31 13 13-0255	LF		20" x 20", 24 Gauge Galvanized Steel Duct	40.58	15.55
			<i>For Flat Oval, Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	7.78	
23 31 13 13-0256	LF		20" x 22", 24 Gauge Galvanized Steel Duct	42.61	16.33
			<i>For Flat Oval, Add</i>	2.31	
			<i>For Work In Restricted Working Space, Add</i>	8.17	
23 31 13 13-0257	LF		20" x 24", 24 Gauge Galvanized Steel Duct	44.65	17.12
			<i>For Flat Oval, Add</i>	2.42	
			<i>For Work In Restricted Working Space, Add</i>	8.56	
23 31 13 13-0258	LF		20" x 26", 24 Gauge Galvanized Steel Duct	46.67	17.88
			<i>For Flat Oval, Add</i>	2.53	
			<i>For Work In Restricted Working Space, Add</i>	8.94	
23 31 13 13-0259	LF		20" x 28", 24 Gauge Galvanized Steel Duct	48.69	18.66
			<i>For Flat Oval, Add</i>	2.64	
			<i>For Work In Restricted Working Space, Add</i>	9.33	
23 31 13 13-0260	LF		20" x 30", 24 Gauge Galvanized Steel Duct	50.73	19.44
			<i>For Flat Oval, Add</i>	2.75	
			<i>For Work In Restricted Working Space, Add</i>	9.72	
23 31 13 13-0261	LF		22" x 22", 24 Gauge Galvanized Steel Duct	44.65	17.12
			<i>For Flat Oval, Add</i>	2.42	
			<i>For Work In Restricted Working Space, Add</i>	8.56	
23 31 13 13-0262	LF		22" x 24", 24 Gauge Galvanized Steel Duct	46.67	17.88
			<i>For Flat Oval, Add</i>	2.53	
			<i>For Work In Restricted Working Space, Add</i>	8.94	
23 31 13 13-0263	LF		22" x 26", 24 Gauge Galvanized Steel Duct	48.69	18.66
			<i>For Flat Oval, Add</i>	2.64	
			<i>For Work In Restricted Working Space, Add</i>	9.33	
23 31 13 13-0264	LF		22" x 28", 24 Gauge Galvanized Steel Duct	50.73	19.44
			<i>For Flat Oval, Add</i>	2.75	
			<i>For Work In Restricted Working Space, Add</i>	9.72	
23 31 13 13-0265	LF		22" x 30", 24 Gauge Galvanized Steel Duct	52.76	20.22
			<i>For Flat Oval, Add</i>	2.86	
			<i>For Work In Restricted Working Space, Add</i>	10.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0266 LF 24" x 24", 24 Gauge Galvanized Steel Duct	48.69	18.66
For Flat Oval, Add	2.64	
For Work In Restricted Working Space, Add	9.33	
23 31 13 13-0267 LF 24" x 26", 24 Gauge Galvanized Steel Duct	50.73	19.44
For Flat Oval, Add	2.75	
For Work In Restricted Working Space, Add	9.72	
23 31 13 13-0268 LF 24" x 28", 24 Gauge Galvanized Steel Duct	52.76	20.22
For Flat Oval, Add	2.86	
For Work In Restricted Working Space, Add	10.11	
23 31 13 13-0269 LF 24" x 30", 24 Gauge Galvanized Steel Duct	54.78	20.99
For Flat Oval, Add	2.97	
For Work In Restricted Working Space, Add	10.50	
23 31 13 13-0270 LF 26" x 26", 24 Gauge Galvanized Steel Duct	52.76	20.22
For Flat Oval, Add	2.86	
For Work In Restricted Working Space, Add	10.11	
23 31 13 13-0271 LF 26" x 28", 24 Gauge Galvanized Steel Duct	54.78	20.99
For Flat Oval, Add	2.97	
For Work In Restricted Working Space, Add	10.50	
23 31 13 13-0272 LF 26" x 30", 24 Gauge Galvanized Steel Duct	56.81	21.77
For Flat Oval, Add	3.08	
For Work In Restricted Working Space, Add	10.89	
23 31 13 13-0273 LF 28" x 28", 24 Gauge Galvanized Steel Duct	56.81	21.77
For Flat Oval, Add	3.08	
For Work In Restricted Working Space, Add	10.89	
23 31 13 13-0274 LF 28" x 30", 24 Gauge Galvanized Steel Duct	58.84	22.56
For Flat Oval, Add	3.19	
For Work In Restricted Working Space, Add	11.27	
23 31 13 13-0275 LF 30" x 30", 24 Gauge Galvanized Steel Duct	60.88	23.34
For Flat Oval, Add	3.30	
For Work In Restricted Working Space, Add	11.67	
23 31 13 13-0276 22 Gauge Galvanized Steel Duct <small>(23 31 13 13-0009)</small>		
23 31 13 13-0277 LF 4" x 4", 22 Gauge Galvanized Steel Duct	9.87	3.79
For Flat Oval, Add	0.54	
For Work In Restricted Working Space, Add	1.89	
23 31 13 13-0278 LF 4" x 6", 22 Gauge Galvanized Steel Duct	12.35	4.73
For Flat Oval, Add	0.67	
For Work In Restricted Working Space, Add	2.37	
23 31 13 13-0279 LF 4" x 8", 22 Gauge Galvanized Steel Duct	14.81	5.68
For Flat Oval, Add	0.80	
For Work In Restricted Working Space, Add	2.84	
23 31 13 13-0280 LF 4" x 10", 22 Gauge Galvanized Steel Duct	17.28	6.62
For Flat Oval, Add	0.94	
For Work In Restricted Working Space, Add	3.31	
23 31 13 13-0281 LF 4" x 12", 22 Gauge Galvanized Steel Duct	19.74	7.56
For Flat Oval, Add	1.07	
For Work In Restricted Working Space, Add	3.78	
23 31 13 13-0282 LF 4" x 14", 22 Gauge Galvanized Steel Duct	22.21	8.51
For Flat Oval, Add	1.20	
For Work In Restricted Working Space, Add	4.26	
23 31 13 13-0283 LF 4" x 16", 22 Gauge Galvanized Steel Duct	24.68	9.46
For Flat Oval, Add	1.34	
For Work In Restricted Working Space, Add	4.73	
23 31 13 13-0284 LF 6" x 6", 22 Gauge Galvanized Steel Duct	14.81	5.68
For Flat Oval, Add	0.80	
For Work In Restricted Working Space, Add	2.84	
23 31 13 13-0285 LF 6" x 8", 22 Gauge Galvanized Steel Duct	17.28	6.62
For Flat Oval, Add	0.94	
For Work In Restricted Working Space, Add	3.31	
23 31 13 13-0286 LF 6" x 10", 22 Gauge Galvanized Steel Duct	19.74	7.56
For Flat Oval, Add	1.07	
For Work In Restricted Working Space, Add	3.78	
23 31 13 13-0287 LF 6" x 12", 22 Gauge Galvanized Steel Duct	22.21	8.51
For Flat Oval, Add	1.20	
For Work In Restricted Working Space, Add	4.26	
23 31 13 13-0288 LF 6" x 14", 22 Gauge Galvanized Steel Duct	24.68	9.46
For Flat Oval, Add	1.34	
For Work In Restricted Working Space, Add	4.73	
23 31 13 13-0289 LF 6" x 16", 22 Gauge Galvanized Steel Duct	27.15	10.40
For Flat Oval, Add	1.47	
For Work In Restricted Working Space, Add	5.20	
23 31 13 13-0290 LF 8" x 8", 22 Gauge Galvanized Steel Duct	19.74	7.56
For Flat Oval, Add	1.07	
For Work In Restricted Working Space, Add	3.78	
23 31 13 13-0291 LF 8" x 10", 22 Gauge Galvanized Steel Duct	22.21	8.51
For Flat Oval, Add	1.20	
For Work In Restricted Working Space, Add	4.26	
23 31 13 13-0292 LF 8" x 12", 22 Gauge Galvanized Steel Duct	24.68	9.46
For Flat Oval, Add	1.34	
For Work In Restricted Working Space, Add	4.73	
23 31 13 13-0293 LF 8" x 14", 22 Gauge Galvanized Steel Duct	27.15	10.40
For Flat Oval, Add	1.47	
For Work In Restricted Working Space, Add	5.20	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0294	LF	8" x 16", 22 Gauge Galvanized Steel Duct	29.61	11.35
			<i>For Flat Oval, Add</i>	1.61	
			<i>For Work In Restricted Working Space, Add</i>	5.67	
23 31 13	13-0295	LF	8" x 18", 22 Gauge Galvanized Steel Duct	32.08	12.30
			<i>For Flat Oval, Add</i>	1.74	
			<i>For Work In Restricted Working Space, Add</i>	6.15	
23 31 13	13-0296	LF	8" x 20", 22 Gauge Galvanized Steel Duct	34.55	13.24
			<i>For Flat Oval, Add</i>	1.87	
			<i>For Work In Restricted Working Space, Add</i>	6.62	
23 31 13	13-0297	LF	8" x 22", 22 Gauge Galvanized Steel Duct	37.02	14.19
			<i>For Flat Oval, Add</i>	2.01	
			<i>For Work In Restricted Working Space, Add</i>	7.10	
23 31 13	13-0298	LF	8" x 24", 22 Gauge Galvanized Steel Duct	39.48	15.14
			<i>For Flat Oval, Add</i>	2.14	
			<i>For Work In Restricted Working Space, Add</i>	7.57	
23 31 13	13-0299	LF	10" x 10", 22 Gauge Galvanized Steel Duct	24.68	9.46
			<i>For Flat Oval, Add</i>	1.34	
			<i>For Work In Restricted Working Space, Add</i>	4.73	
23 31 13	13-0300	LF	10" x 12", 22 Gauge Galvanized Steel Duct	27.15	10.40
			<i>For Flat Oval, Add</i>	1.47	
			<i>For Work In Restricted Working Space, Add</i>	5.20	
23 31 13	13-0301	LF	10" x 14", 22 Gauge Galvanized Steel Duct	29.61	11.35
			<i>For Flat Oval, Add</i>	1.61	
			<i>For Work In Restricted Working Space, Add</i>	5.67	
23 31 13	13-0302	LF	10" x 16", 22 Gauge Galvanized Steel Duct	32.08	12.30
			<i>For Flat Oval, Add</i>	1.74	
			<i>For Work In Restricted Working Space, Add</i>	6.15	
23 31 13	13-0303	LF	10" x 18", 22 Gauge Galvanized Steel Duct	34.55	13.24
			<i>For Flat Oval, Add</i>	1.87	
			<i>For Work In Restricted Working Space, Add</i>	6.62	
23 31 13	13-0304	LF	10" x 20", 22 Gauge Galvanized Steel Duct	37.02	14.19
			<i>For Flat Oval, Add</i>	2.01	
			<i>For Work In Restricted Working Space, Add</i>	7.10	
23 31 13	13-0305	LF	10" x 22", 22 Gauge Galvanized Steel Duct	39.48	15.14
			<i>For Flat Oval, Add</i>	2.14	
			<i>For Work In Restricted Working Space, Add</i>	7.57	
23 31 13	13-0306	LF	10" x 24", 22 Gauge Galvanized Steel Duct	41.96	16.08
			<i>For Flat Oval, Add</i>	2.27	
			<i>For Work In Restricted Working Space, Add</i>	8.04	
23 31 13	13-0307	LF	10" x 26", 22 Gauge Galvanized Steel Duct	44.43	17.03
			<i>For Flat Oval, Add</i>	2.41	
			<i>For Work In Restricted Working Space, Add</i>	8.51	
23 31 13	13-0308	LF	10" x 28", 22 Gauge Galvanized Steel Duct	46.89	17.97
			<i>For Flat Oval, Add</i>	2.54	
			<i>For Work In Restricted Working Space, Add</i>	8.99	
23 31 13	13-0309	LF	10" x 30", 22 Gauge Galvanized Steel Duct	49.36	18.91
			<i>For Flat Oval, Add</i>	2.67	
			<i>For Work In Restricted Working Space, Add</i>	9.46	
23 31 13	13-0310	LF	10" x 32", 22 Gauge Galvanized Steel Duct	51.82	19.86
			<i>For Flat Oval, Add</i>	2.81	
			<i>For Work In Restricted Working Space, Add</i>	9.93	
23 31 13	13-0311	LF	12" x 12", 22 Gauge Galvanized Steel Duct	29.61	11.35
			<i>For Flat Oval, Add</i>	1.61	
			<i>For Work In Restricted Working Space, Add</i>	5.67	
23 31 13	13-0312	LF	12" x 14", 22 Gauge Galvanized Steel Duct	32.08	12.30
			<i>For Flat Oval, Add</i>	1.74	
			<i>For Work In Restricted Working Space, Add</i>	6.15	
23 31 13	13-0313	LF	12" x 16", 22 Gauge Galvanized Steel Duct	34.55	13.24
			<i>For Flat Oval, Add</i>	1.87	
			<i>For Work In Restricted Working Space, Add</i>	6.62	
23 31 13	13-0314	LF	12" x 18", 22 Gauge Galvanized Steel Duct	37.02	14.19
			<i>For Flat Oval, Add</i>	2.01	
			<i>For Work In Restricted Working Space, Add</i>	7.10	
23 31 13	13-0315	LF	12" x 20", 22 Gauge Galvanized Steel Duct	39.48	15.14
			<i>For Flat Oval, Add</i>	2.14	
			<i>For Work In Restricted Working Space, Add</i>	7.57	
23 31 13	13-0316	LF	12" x 22", 22 Gauge Galvanized Steel Duct	41.96	16.08
			<i>For Flat Oval, Add</i>	2.27	
			<i>For Work In Restricted Working Space, Add</i>	8.04	
23 31 13	13-0317	LF	12" x 24", 22 Gauge Galvanized Steel Duct	44.43	17.03
			<i>For Flat Oval, Add</i>	2.41	
			<i>For Work In Restricted Working Space, Add</i>	8.51	
23 31 13	13-0318	LF	12" x 26", 22 Gauge Galvanized Steel Duct	46.89	17.97
			<i>For Flat Oval, Add</i>	2.54	
			<i>For Work In Restricted Working Space, Add</i>	8.99	
23 31 13	13-0319	LF	12" x 28", 22 Gauge Galvanized Steel Duct	49.36	18.91
			<i>For Flat Oval, Add</i>	2.67	
			<i>For Work In Restricted Working Space, Add</i>	9.46	
23 31 13	13-0320	LF	12" x 30", 22 Gauge Galvanized Steel Duct	51.82	19.86
			<i>For Flat Oval, Add</i>	2.81	
			<i>For Work In Restricted Working Space, Add</i>	9.93	
23 31 13	13-0321	LF	12" x 32", 22 Gauge Galvanized Steel Duct	54.30	20.81
			<i>For Flat Oval, Add</i>	2.94	
			<i>For Work In Restricted Working Space, Add</i>	10.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0322 LF 12" x 34", 22 Gauge Galvanized Steel Duct	56.77	21.75
<i>For Flat Oval, Add</i>	3.08	
<i>For Work In Restricted Working Space, Add</i>	10.88	
23 31 13 13-0323 LF 12" x 36", 22 Gauge Galvanized Steel Duct	59.23	22.70
<i>For Flat Oval, Add</i>	3.21	
<i>For Work In Restricted Working Space, Add</i>	11.35	
23 31 13 13-0324 LF 14" x 14", 22 Gauge Galvanized Steel Duct	34.55	13.24
<i>For Flat Oval, Add</i>	1.87	
<i>For Work In Restricted Working Space, Add</i>	6.62	
23 31 13 13-0325 LF 14" x 16", 22 Gauge Galvanized Steel Duct	37.02	14.19
<i>For Flat Oval, Add</i>	2.01	
<i>For Work In Restricted Working Space, Add</i>	7.10	
23 31 13 13-0326 LF 14" x 18", 22 Gauge Galvanized Steel Duct	39.48	15.14
<i>For Flat Oval, Add</i>	2.14	
<i>For Work In Restricted Working Space, Add</i>	7.57	
23 31 13 13-0327 LF 14" x 20", 22 Gauge Galvanized Steel Duct	41.96	16.08
<i>For Flat Oval, Add</i>	2.27	
<i>For Work In Restricted Working Space, Add</i>	8.04	
23 31 13 13-0328 LF 14" x 22", 22 Gauge Galvanized Steel Duct	44.43	17.03
<i>For Flat Oval, Add</i>	2.41	
<i>For Work In Restricted Working Space, Add</i>	8.51	
23 31 13 13-0329 LF 14" x 24", 22 Gauge Galvanized Steel Duct	46.89	17.97
<i>For Flat Oval, Add</i>	2.54	
<i>For Work In Restricted Working Space, Add</i>	8.99	
23 31 13 13-0330 LF 14" x 26", 22 Gauge Galvanized Steel Duct	49.36	18.91
<i>For Flat Oval, Add</i>	2.67	
<i>For Work In Restricted Working Space, Add</i>	9.46	
23 31 13 13-0331 LF 14" x 28", 22 Gauge Galvanized Steel Duct	51.82	19.86
<i>For Flat Oval, Add</i>	2.81	
<i>For Work In Restricted Working Space, Add</i>	9.93	
23 31 13 13-0332 LF 14" x 30", 22 Gauge Galvanized Steel Duct	54.30	20.81
<i>For Flat Oval, Add</i>	2.94	
<i>For Work In Restricted Working Space, Add</i>	10.41	
23 31 13 13-0333 LF 14" x 32", 22 Gauge Galvanized Steel Duct	56.77	21.75
<i>For Flat Oval, Add</i>	3.08	
<i>For Work In Restricted Working Space, Add</i>	10.88	
23 31 13 13-0334 LF 14" x 34", 22 Gauge Galvanized Steel Duct	59.23	22.70
<i>For Flat Oval, Add</i>	3.21	
<i>For Work In Restricted Working Space, Add</i>	11.35	
23 31 13 13-0335 LF 14" x 36", 22 Gauge Galvanized Steel Duct	61.70	23.65
<i>For Flat Oval, Add</i>	3.34	
<i>For Work In Restricted Working Space, Add</i>	11.82	
23 31 13 13-0336 LF 16" x 16", 22 Gauge Galvanized Steel Duct	39.48	15.14
<i>For Flat Oval, Add</i>	2.14	
<i>For Work In Restricted Working Space, Add</i>	7.57	
23 31 13 13-0337 LF 16" x 18", 22 Gauge Galvanized Steel Duct	41.96	16.08
<i>For Flat Oval, Add</i>	2.27	
<i>For Work In Restricted Working Space, Add</i>	8.04	
23 31 13 13-0338 LF 16" x 20", 22 Gauge Galvanized Steel Duct	44.43	17.03
<i>For Flat Oval, Add</i>	2.41	
<i>For Work In Restricted Working Space, Add</i>	8.51	
23 31 13 13-0339 LF 16" x 22", 22 Gauge Galvanized Steel Duct	46.89	17.97
<i>For Flat Oval, Add</i>	2.54	
<i>For Work In Restricted Working Space, Add</i>	8.99	
23 31 13 13-0340 LF 16" x 24", 22 Gauge Galvanized Steel Duct	49.36	18.91
<i>For Flat Oval, Add</i>	2.67	
<i>For Work In Restricted Working Space, Add</i>	9.46	
23 31 13 13-0341 LF 16" x 26", 22 Gauge Galvanized Steel Duct	51.82	19.86
<i>For Flat Oval, Add</i>	2.81	
<i>For Work In Restricted Working Space, Add</i>	9.93	
23 31 13 13-0342 LF 16" x 28", 22 Gauge Galvanized Steel Duct	54.30	20.81
<i>For Flat Oval, Add</i>	2.94	
<i>For Work In Restricted Working Space, Add</i>	10.41	
23 31 13 13-0343 LF 16" x 30", 22 Gauge Galvanized Steel Duct	56.77	21.75
<i>For Flat Oval, Add</i>	3.08	
<i>For Work In Restricted Working Space, Add</i>	10.88	
23 31 13 13-0344 LF 16" x 32", 22 Gauge Galvanized Steel Duct	59.23	22.70
<i>For Flat Oval, Add</i>	3.21	
<i>For Work In Restricted Working Space, Add</i>	11.35	
23 31 13 13-0345 LF 16" x 34", 22 Gauge Galvanized Steel Duct	61.70	23.65
<i>For Flat Oval, Add</i>	3.34	
<i>For Work In Restricted Working Space, Add</i>	11.82	
23 31 13 13-0346 LF 16" x 36", 22 Gauge Galvanized Steel Duct	64.17	24.59
<i>For Flat Oval, Add</i>	3.48	
<i>For Work In Restricted Working Space, Add</i>	12.30	
23 31 13 13-0347 LF 16" x 38", 22 Gauge Galvanized Steel Duct	66.63	25.54
<i>For Flat Oval, Add</i>	3.61	
<i>For Work In Restricted Working Space, Add</i>	12.77	
23 31 13 13-0348 LF 16" x 40", 22 Gauge Galvanized Steel Duct	69.10	26.48
<i>For Flat Oval, Add</i>	3.74	
<i>For Work In Restricted Working Space, Add</i>	13.24	
23 31 13 13-0349 LF 16" x 42", 22 Gauge Galvanized Steel Duct	71.56	27.43
<i>For Flat Oval, Add</i>	3.88	
<i>For Work In Restricted Working Space, Add</i>	13.71	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0350	LF	16" x 44", 22 Gauge Galvanized Steel Duct	74.04	28.38
			<i>For Flat Oval, Add</i>	4.01	
			<i>For Work In Restricted Working Space, Add</i>	14.19	
23 31 13	13-0351	LF	18" x 18", 22 Gauge Galvanized Steel Duct	44.43	17.03
			<i>For Flat Oval, Add</i>	2.41	
			<i>For Work In Restricted Working Space, Add</i>	8.51	
23 31 13	13-0352	LF	18" x 20", 22 Gauge Galvanized Steel Duct	46.89	17.97
			<i>For Flat Oval, Add</i>	2.54	
			<i>For Work In Restricted Working Space, Add</i>	8.99	
23 31 13	13-0353	LF	18" x 22", 22 Gauge Galvanized Steel Duct	49.36	18.91
			<i>For Flat Oval, Add</i>	2.67	
			<i>For Work In Restricted Working Space, Add</i>	9.46	
23 31 13	13-0354	LF	18" x 24", 22 Gauge Galvanized Steel Duct	51.82	19.86
			<i>For Flat Oval, Add</i>	2.81	
			<i>For Work In Restricted Working Space, Add</i>	9.93	
23 31 13	13-0355	LF	18" x 26", 22 Gauge Galvanized Steel Duct	54.30	20.81
			<i>For Flat Oval, Add</i>	2.94	
			<i>For Work In Restricted Working Space, Add</i>	10.41	
23 31 13	13-0356	LF	18" x 28", 22 Gauge Galvanized Steel Duct	56.77	21.75
			<i>For Flat Oval, Add</i>	3.08	
			<i>For Work In Restricted Working Space, Add</i>	10.88	
23 31 13	13-0357	LF	18" x 30", 22 Gauge Galvanized Steel Duct	59.23	22.70
			<i>For Flat Oval, Add</i>	3.21	
			<i>For Work In Restricted Working Space, Add</i>	11.35	
23 31 13	13-0358	LF	18" x 32", 22 Gauge Galvanized Steel Duct	61.70	23.65
			<i>For Flat Oval, Add</i>	3.34	
			<i>For Work In Restricted Working Space, Add</i>	11.82	
23 31 13	13-0359	LF	18" x 34", 22 Gauge Galvanized Steel Duct	64.17	24.59
			<i>For Flat Oval, Add</i>	3.48	
			<i>For Work In Restricted Working Space, Add</i>	12.30	
23 31 13	13-0360	LF	18" x 36", 22 Gauge Galvanized Steel Duct	66.63	25.54
			<i>For Flat Oval, Add</i>	3.61	
			<i>For Work In Restricted Working Space, Add</i>	12.77	
23 31 13	13-0361	LF	18" x 38", 22 Gauge Galvanized Steel Duct	69.10	26.48
			<i>For Flat Oval, Add</i>	3.74	
			<i>For Work In Restricted Working Space, Add</i>	13.24	
23 31 13	13-0362	LF	18" x 40", 22 Gauge Galvanized Steel Duct	71.56	27.43
			<i>For Flat Oval, Add</i>	3.88	
			<i>For Work In Restricted Working Space, Add</i>	13.71	
23 31 13	13-0363	LF	18" x 42", 22 Gauge Galvanized Steel Duct	74.04	28.38
			<i>For Flat Oval, Add</i>	4.01	
			<i>For Work In Restricted Working Space, Add</i>	14.19	
23 31 13	13-0364	LF	18" x 44", 22 Gauge Galvanized Steel Duct	76.51	29.31
			<i>For Flat Oval, Add</i>	4.15	
			<i>For Work In Restricted Working Space, Add</i>	14.66	
23 31 13	13-0365	LF	18" x 46", 22 Gauge Galvanized Steel Duct	78.98	30.26
			<i>For Flat Oval, Add</i>	4.28	
			<i>For Work In Restricted Working Space, Add</i>	15.14	
23 31 13	13-0366	LF	20" x 20", 22 Gauge Galvanized Steel Duct	49.36	18.91
			<i>For Flat Oval, Add</i>	2.67	
			<i>For Work In Restricted Working Space, Add</i>	9.46	
23 31 13	13-0367	LF	20" x 22", 22 Gauge Galvanized Steel Duct	51.82	19.86
			<i>For Flat Oval, Add</i>	2.81	
			<i>For Work In Restricted Working Space, Add</i>	9.93	
23 31 13	13-0368	LF	20" x 24", 22 Gauge Galvanized Steel Duct	54.30	20.81
			<i>For Flat Oval, Add</i>	2.94	
			<i>For Work In Restricted Working Space, Add</i>	10.41	
23 31 13	13-0369	LF	20" x 26", 22 Gauge Galvanized Steel Duct	56.77	21.75
			<i>For Flat Oval, Add</i>	3.08	
			<i>For Work In Restricted Working Space, Add</i>	10.88	
23 31 13	13-0370	LF	20" x 28", 22 Gauge Galvanized Steel Duct	59.23	22.70
			<i>For Flat Oval, Add</i>	3.21	
			<i>For Work In Restricted Working Space, Add</i>	11.35	
23 31 13	13-0371	LF	20" x 30", 22 Gauge Galvanized Steel Duct	61.70	23.65
			<i>For Flat Oval, Add</i>	3.34	
			<i>For Work In Restricted Working Space, Add</i>	11.82	
23 31 13	13-0372	LF	20" x 32", 22 Gauge Galvanized Steel Duct	64.17	24.59
			<i>For Flat Oval, Add</i>	3.48	
			<i>For Work In Restricted Working Space, Add</i>	12.30	
23 31 13	13-0373	LF	20" x 34", 22 Gauge Galvanized Steel Duct	66.63	25.54
			<i>For Flat Oval, Add</i>	3.61	
			<i>For Work In Restricted Working Space, Add</i>	12.77	
23 31 13	13-0374	LF	20" x 36", 22 Gauge Galvanized Steel Duct	69.10	26.48
			<i>For Flat Oval, Add</i>	3.74	
			<i>For Work In Restricted Working Space, Add</i>	13.24	
23 31 13	13-0375	LF	20" x 38", 22 Gauge Galvanized Steel Duct	71.56	27.43
			<i>For Flat Oval, Add</i>	3.88	
			<i>For Work In Restricted Working Space, Add</i>	13.71	
23 31 13	13-0376	LF	20" x 40", 22 Gauge Galvanized Steel Duct	74.04	28.38
			<i>For Flat Oval, Add</i>	4.01	
			<i>For Work In Restricted Working Space, Add</i>	14.19	
23 31 13	13-0377	LF	20" x 42", 22 Gauge Galvanized Steel Duct	76.51	29.31
			<i>For Flat Oval, Add</i>	4.15	
			<i>For Work In Restricted Working Space, Add</i>	14.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0378 LF 20" x 44", 22 Gauge Galvanized Steel Duct	78.98	30.26
<i>For Flat Oval, Add</i>	4.28	
<i>For Work In Restricted Working Space, Add</i>	15.14	
23 31 13 13-0379 LF 20" x 46", 22 Gauge Galvanized Steel Duct	81.44	31.21
<i>For Flat Oval, Add</i>	4.41	
<i>For Work In Restricted Working Space, Add</i>	15.61	
23 31 13 13-0380 LF 20" x 48", 22 Gauge Galvanized Steel Duct	83.91	32.15
<i>For Flat Oval, Add</i>	4.55	
<i>For Work In Restricted Working Space, Add</i>	16.08	
23 31 13 13-0381 LF 22" x 22", 22 Gauge Galvanized Steel Duct	54.30	20.81
<i>For Flat Oval, Add</i>	2.94	
<i>For Work In Restricted Working Space, Add</i>	10.41	
23 31 13 13-0382 LF 22" x 24", 22 Gauge Galvanized Steel Duct	56.77	21.75
<i>For Flat Oval, Add</i>	3.08	
<i>For Work In Restricted Working Space, Add</i>	10.88	
23 31 13 13-0383 LF 22" x 26", 22 Gauge Galvanized Steel Duct	59.23	22.70
<i>For Flat Oval, Add</i>	3.21	
<i>For Work In Restricted Working Space, Add</i>	11.35	
23 31 13 13-0384 LF 22" x 28", 22 Gauge Galvanized Steel Duct	61.70	23.65
<i>For Flat Oval, Add</i>	3.34	
<i>For Work In Restricted Working Space, Add</i>	11.82	
23 31 13 13-0385 LF 22" x 30", 22 Gauge Galvanized Steel Duct	64.17	24.59
<i>For Flat Oval, Add</i>	3.48	
<i>For Work In Restricted Working Space, Add</i>	12.30	
23 31 13 13-0386 LF 22" x 32", 22 Gauge Galvanized Steel Duct	66.63	25.54
<i>For Flat Oval, Add</i>	3.61	
<i>For Work In Restricted Working Space, Add</i>	12.77	
23 31 13 13-0387 LF 22" x 34", 22 Gauge Galvanized Steel Duct	69.10	26.48
<i>For Flat Oval, Add</i>	3.74	
<i>For Work In Restricted Working Space, Add</i>	13.24	
23 31 13 13-0388 LF 22" x 36", 22 Gauge Galvanized Steel Duct	71.56	27.43
<i>For Flat Oval, Add</i>	3.88	
<i>For Work In Restricted Working Space, Add</i>	13.71	
23 31 13 13-0389 LF 22" x 38", 22 Gauge Galvanized Steel Duct	74.04	28.38
<i>For Flat Oval, Add</i>	4.01	
<i>For Work In Restricted Working Space, Add</i>	14.19	
23 31 13 13-0390 LF 22" x 40", 22 Gauge Galvanized Steel Duct	76.51	29.31
<i>For Flat Oval, Add</i>	4.15	
<i>For Work In Restricted Working Space, Add</i>	14.66	
23 31 13 13-0391 LF 22" x 42", 22 Gauge Galvanized Steel Duct	78.98	30.26
<i>For Flat Oval, Add</i>	4.28	
<i>For Work In Restricted Working Space, Add</i>	15.14	
23 31 13 13-0392 LF 22" x 44", 22 Gauge Galvanized Steel Duct	81.44	31.21
<i>For Flat Oval, Add</i>	4.41	
<i>For Work In Restricted Working Space, Add</i>	15.61	
23 31 13 13-0393 LF 22" x 46", 22 Gauge Galvanized Steel Duct	83.91	32.15
<i>For Flat Oval, Add</i>	4.55	
<i>For Work In Restricted Working Space, Add</i>	16.08	
23 31 13 13-0394 LF 22" x 48", 22 Gauge Galvanized Steel Duct	86.38	33.10
<i>For Flat Oval, Add</i>	4.68	
<i>For Work In Restricted Working Space, Add</i>	16.55	
23 31 13 13-0395 LF 24" x 24", 22 Gauge Galvanized Steel Duct	59.23	22.70
<i>For Flat Oval, Add</i>	3.21	
<i>For Work In Restricted Working Space, Add</i>	11.35	
23 31 13 13-0396 LF 24" x 26", 22 Gauge Galvanized Steel Duct	61.70	23.65
<i>For Flat Oval, Add</i>	3.34	
<i>For Work In Restricted Working Space, Add</i>	11.82	
23 31 13 13-0397 LF 24" x 28", 22 Gauge Galvanized Steel Duct	64.17	24.59
<i>For Flat Oval, Add</i>	3.48	
<i>For Work In Restricted Working Space, Add</i>	12.30	
23 31 13 13-0398 LF 24" x 30", 22 Gauge Galvanized Steel Duct	66.63	25.54
<i>For Flat Oval, Add</i>	3.61	
<i>For Work In Restricted Working Space, Add</i>	12.77	
23 31 13 13-0399 LF 24" x 32", 22 Gauge Galvanized Steel Duct	69.10	26.48
<i>For Flat Oval, Add</i>	3.74	
<i>For Work In Restricted Working Space, Add</i>	13.24	
23 31 13 13-0400 LF 24" x 34", 22 Gauge Galvanized Steel Duct	71.56	27.43
<i>For Flat Oval, Add</i>	3.88	
<i>For Work In Restricted Working Space, Add</i>	13.71	
23 31 13 13-0401 LF 24" x 36", 22 Gauge Galvanized Steel Duct	74.04	28.38
<i>For Flat Oval, Add</i>	4.01	
<i>For Work In Restricted Working Space, Add</i>	14.19	
23 31 13 13-0402 LF 24" x 38", 22 Gauge Galvanized Steel Duct	76.51	29.31
<i>For Flat Oval, Add</i>	4.15	
<i>For Work In Restricted Working Space, Add</i>	14.66	
23 31 13 13-0403 LF 24" x 40", 22 Gauge Galvanized Steel Duct	78.98	30.26
<i>For Flat Oval, Add</i>	4.28	
<i>For Work In Restricted Working Space, Add</i>	15.14	
23 31 13 13-0404 LF 24" x 42", 22 Gauge Galvanized Steel Duct	81.44	31.21
<i>For Flat Oval, Add</i>	4.41	
<i>For Work In Restricted Working Space, Add</i>	15.61	
23 31 13 13-0405 LF 24" x 44", 22 Gauge Galvanized Steel Duct	83.91	32.15
<i>For Flat Oval, Add</i>	4.55	
<i>For Work In Restricted Working Space, Add</i>	16.08	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0406	LF		24" x 46", 22 Gauge Galvanized Steel Duct	86.38	33.10
			<i>For Flat Oval, Add</i>	4.68	
			<i>For Work In Restricted Working Space, Add</i>	16.55	
23 31 13 13-0407	LF		24" x 48", 22 Gauge Galvanized Steel Duct	88.85	34.05
			<i>For Flat Oval, Add</i>	4.82	
			<i>For Work In Restricted Working Space, Add</i>	17.03	
23 31 13 13-0408	LF		26" x 26", 22 Gauge Galvanized Steel Duct	64.17	24.59
			<i>For Flat Oval, Add</i>	3.48	
			<i>For Work In Restricted Working Space, Add</i>	12.30	
23 31 13 13-0409	LF		26" x 28", 22 Gauge Galvanized Steel Duct	66.63	25.54
			<i>For Flat Oval, Add</i>	3.61	
			<i>For Work In Restricted Working Space, Add</i>	12.77	
23 31 13 13-0410	LF		26" x 30", 22 Gauge Galvanized Steel Duct	69.10	26.48
			<i>For Flat Oval, Add</i>	3.74	
			<i>For Work In Restricted Working Space, Add</i>	13.24	
23 31 13 13-0411	LF		26" x 32", 22 Gauge Galvanized Steel Duct	71.56	27.43
			<i>For Flat Oval, Add</i>	3.88	
			<i>For Work In Restricted Working Space, Add</i>	13.71	
23 31 13 13-0412	LF		26" x 34", 22 Gauge Galvanized Steel Duct	74.04	28.38
			<i>For Flat Oval, Add</i>	4.01	
			<i>For Work In Restricted Working Space, Add</i>	14.19	
23 31 13 13-0413	LF		26" x 36", 22 Gauge Galvanized Steel Duct	76.51	29.31
			<i>For Flat Oval, Add</i>	4.15	
			<i>For Work In Restricted Working Space, Add</i>	14.66	
23 31 13 13-0414	LF		26" x 38", 22 Gauge Galvanized Steel Duct	78.98	30.26
			<i>For Flat Oval, Add</i>	4.28	
			<i>For Work In Restricted Working Space, Add</i>	15.14	
23 31 13 13-0415	LF		26" x 40", 22 Gauge Galvanized Steel Duct	81.44	31.21
			<i>For Flat Oval, Add</i>	4.41	
			<i>For Work In Restricted Working Space, Add</i>	15.61	
23 31 13 13-0416	LF		26" x 42", 22 Gauge Galvanized Steel Duct	83.91	32.15
			<i>For Flat Oval, Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	16.08	
23 31 13 13-0417	LF		26" x 44", 22 Gauge Galvanized Steel Duct	86.38	33.10
			<i>For Flat Oval, Add</i>	4.68	
			<i>For Work In Restricted Working Space, Add</i>	16.55	
23 31 13 13-0418	LF		26" x 46", 22 Gauge Galvanized Steel Duct	88.85	34.05
			<i>For Flat Oval, Add</i>	4.82	
			<i>For Work In Restricted Working Space, Add</i>	17.03	
23 31 13 13-0419	LF		26" x 48", 22 Gauge Galvanized Steel Duct	91.32	34.99
			<i>For Flat Oval, Add</i>	4.95	
			<i>For Work In Restricted Working Space, Add</i>	17.50	
23 31 13 13-0420	LF		28" x 28", 22 Gauge Galvanized Steel Duct	69.10	26.48
			<i>For Flat Oval, Add</i>	3.74	
			<i>For Work In Restricted Working Space, Add</i>	13.24	
23 31 13 13-0421	LF		28" x 30", 22 Gauge Galvanized Steel Duct	71.56	27.43
			<i>For Flat Oval, Add</i>	3.88	
			<i>For Work In Restricted Working Space, Add</i>	13.71	
23 31 13 13-0422	LF		28" x 32", 22 Gauge Galvanized Steel Duct	74.04	28.38
			<i>For Flat Oval, Add</i>	4.01	
			<i>For Work In Restricted Working Space, Add</i>	14.19	
23 31 13 13-0423	LF		28" x 34", 22 Gauge Galvanized Steel Duct	76.51	29.31
			<i>For Flat Oval, Add</i>	4.15	
			<i>For Work In Restricted Working Space, Add</i>	14.66	
23 31 13 13-0424	LF		28" x 36", 22 Gauge Galvanized Steel Duct	78.98	30.26
			<i>For Flat Oval, Add</i>	4.28	
			<i>For Work In Restricted Working Space, Add</i>	15.14	
23 31 13 13-0425	LF		28" x 38", 22 Gauge Galvanized Steel Duct	81.44	31.21
			<i>For Flat Oval, Add</i>	4.41	
			<i>For Work In Restricted Working Space, Add</i>	15.61	
23 31 13 13-0426	LF		28" x 40", 22 Gauge Galvanized Steel Duct	83.91	32.15
			<i>For Flat Oval, Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	16.08	
23 31 13 13-0427	LF		28" x 42", 22 Gauge Galvanized Steel Duct	86.38	33.10
			<i>For Flat Oval, Add</i>	4.68	
			<i>For Work In Restricted Working Space, Add</i>	16.55	
23 31 13 13-0428	LF		28" x 44", 22 Gauge Galvanized Steel Duct	88.85	34.05
			<i>For Flat Oval, Add</i>	4.82	
			<i>For Work In Restricted Working Space, Add</i>	17.03	
23 31 13 13-0429	LF		28" x 46", 22 Gauge Galvanized Steel Duct	91.32	34.99
			<i>For Flat Oval, Add</i>	4.95	
			<i>For Work In Restricted Working Space, Add</i>	17.50	
23 31 13 13-0430	LF		28" x 48", 22 Gauge Galvanized Steel Duct	93.78	35.94
			<i>For Flat Oval, Add</i>	5.08	
			<i>For Work In Restricted Working Space, Add</i>	17.97	
23 31 13 13-0431	LF		30" x 30", 22 Gauge Galvanized Steel Duct	74.04	28.38
			<i>For Flat Oval, Add</i>	4.01	
			<i>For Work In Restricted Working Space, Add</i>	14.19	
23 31 13 13-0432	LF		30" x 32", 22 Gauge Galvanized Steel Duct	76.51	29.31
			<i>For Flat Oval, Add</i>	4.15	
			<i>For Work In Restricted Working Space, Add</i>	14.66	
23 31 13 13-0433	LF		30" x 34", 22 Gauge Galvanized Steel Duct	78.98	30.26
			<i>For Flat Oval, Add</i>	4.28	
			<i>For Work In Restricted Working Space, Add</i>	15.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0434 LF 30" x 36", 22 Gauge Galvanized Steel Duct	81.44	31.21
For Flat Oval, Add	4.41	
For Work In Restricted Working Space, Add	15.61	
23 31 13 13-0435 LF 30" x 38", 22 Gauge Galvanized Steel Duct	83.91	32.15
For Flat Oval, Add	4.55	
For Work In Restricted Working Space, Add	16.08	
23 31 13 13-0436 LF 30" x 40", 22 Gauge Galvanized Steel Duct	86.38	33.10
For Flat Oval, Add	4.68	
For Work In Restricted Working Space, Add	16.55	
23 31 13 13-0437 LF 30" x 42", 22 Gauge Galvanized Steel Duct	88.85	34.05
For Flat Oval, Add	4.82	
For Work In Restricted Working Space, Add	17.03	
23 31 13 13-0438 LF 30" x 44", 22 Gauge Galvanized Steel Duct	91.32	34.99
For Flat Oval, Add	4.95	
For Work In Restricted Working Space, Add	17.50	
23 31 13 13-0439 LF 30" x 46", 22 Gauge Galvanized Steel Duct	93.78	35.94
For Flat Oval, Add	5.08	
For Work In Restricted Working Space, Add	17.97	
23 31 13 13-0440 LF 30" x 48", 22 Gauge Galvanized Steel Duct	96.25	36.89
For Flat Oval, Add	5.22	
For Work In Restricted Working Space, Add	18.44	
23 31 13 13-0441 LF 32" x 32", 22 Gauge Galvanized Steel Duct	78.98	30.26
For Flat Oval, Add	4.28	
For Work In Restricted Working Space, Add	15.14	
23 31 13 13-0442 LF 32" x 34", 22 Gauge Galvanized Steel Duct	81.44	31.21
For Flat Oval, Add	4.41	
For Work In Restricted Working Space, Add	15.61	
23 31 13 13-0443 LF 32" x 36", 22 Gauge Galvanized Steel Duct	83.91	32.15
For Flat Oval, Add	4.55	
For Work In Restricted Working Space, Add	16.08	
23 31 13 13-0444 LF 32" x 38", 22 Gauge Galvanized Steel Duct	86.38	33.10
For Flat Oval, Add	4.68	
For Work In Restricted Working Space, Add	16.55	
23 31 13 13-0445 LF 32" x 40", 22 Gauge Galvanized Steel Duct	88.85	34.05
For Flat Oval, Add	4.82	
For Work In Restricted Working Space, Add	17.03	
23 31 13 13-0446 LF 32" x 42", 22 Gauge Galvanized Steel Duct	91.32	34.99
For Flat Oval, Add	4.95	
For Work In Restricted Working Space, Add	17.50	
23 31 13 13-0447 LF 32" x 44", 22 Gauge Galvanized Steel Duct	93.78	35.94
For Flat Oval, Add	5.08	
For Work In Restricted Working Space, Add	17.97	
23 31 13 13-0448 LF 32" x 46", 22 Gauge Galvanized Steel Duct	96.25	36.89
For Flat Oval, Add	5.22	
For Work In Restricted Working Space, Add	18.44	
23 31 13 13-0449 LF 32" x 48", 22 Gauge Galvanized Steel Duct	98.72	37.83
For Flat Oval, Add	5.35	
For Work In Restricted Working Space, Add	18.92	
23 31 13 13-0450 LF 34" x 34", 22 Gauge Galvanized Steel Duct	83.91	32.15
For Flat Oval, Add	4.55	
For Work In Restricted Working Space, Add	16.08	
23 31 13 13-0451 LF 34" x 36", 22 Gauge Galvanized Steel Duct	86.38	33.10
For Flat Oval, Add	4.68	
For Work In Restricted Working Space, Add	16.55	
23 31 13 13-0452 LF 34" x 38", 22 Gauge Galvanized Steel Duct	88.85	34.05
For Flat Oval, Add	4.82	
For Work In Restricted Working Space, Add	17.03	
23 31 13 13-0453 LF 34" x 40", 22 Gauge Galvanized Steel Duct	91.32	34.99
For Flat Oval, Add	4.95	
For Work In Restricted Working Space, Add	17.50	
23 31 13 13-0454 LF 34" x 42", 22 Gauge Galvanized Steel Duct	93.78	35.94
For Flat Oval, Add	5.08	
For Work In Restricted Working Space, Add	17.97	
23 31 13 13-0455 LF 34" x 44", 22 Gauge Galvanized Steel Duct	96.25	36.89
For Flat Oval, Add	5.22	
For Work In Restricted Working Space, Add	18.44	
23 31 13 13-0456 LF 34" x 46", 22 Gauge Galvanized Steel Duct	98.72	37.83
For Flat Oval, Add	5.35	
For Work In Restricted Working Space, Add	18.92	
23 31 13 13-0457 LF 34" x 48", 22 Gauge Galvanized Steel Duct	101.18	38.78
For Flat Oval, Add	5.48	
For Work In Restricted Working Space, Add	19.39	
23 31 13 13-0458 LF 36" x 36", 22 Gauge Galvanized Steel Duct	88.85	34.05
For Flat Oval, Add	4.82	
For Work In Restricted Working Space, Add	17.03	
23 31 13 13-0459 LF 36" x 38", 22 Gauge Galvanized Steel Duct	91.32	34.99
For Flat Oval, Add	4.95	
For Work In Restricted Working Space, Add	17.50	
23 31 13 13-0460 LF 36" x 40", 22 Gauge Galvanized Steel Duct	93.78	35.94
For Flat Oval, Add	5.08	
For Work In Restricted Working Space, Add	17.97	
23 31 13 13-0461 LF 36" x 42", 22 Gauge Galvanized Steel Duct	96.25	36.89
For Flat Oval, Add	5.22	
For Work In Restricted Working Space, Add	18.44	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0462	LF		36" x 44", 22 Gauge Galvanized Steel Duct	98.72	37.83
			<i>For Flat Oval, Add</i>	5.35	
			<i>For Work In Restricted Working Space, Add</i>	18.92	
23 31 13 13-0463	LF		36" x 46", 22 Gauge Galvanized Steel Duct	101.18	38.78
			<i>For Flat Oval, Add</i>	5.48	
			<i>For Work In Restricted Working Space, Add</i>	19.39	
23 31 13 13-0464	LF		36" x 48", 22 Gauge Galvanized Steel Duct	103.65	39.73
			<i>For Flat Oval, Add</i>	5.62	
			<i>For Work In Restricted Working Space, Add</i>	19.86	
23 31 13 13-0465	LF		38" x 38", 22 Gauge Galvanized Steel Duct	93.78	35.94
			<i>For Flat Oval, Add</i>	5.08	
			<i>For Work In Restricted Working Space, Add</i>	17.97	
23 31 13 13-0466	LF		38" x 40", 22 Gauge Galvanized Steel Duct	96.25	36.89
			<i>For Flat Oval, Add</i>	5.22	
			<i>For Work In Restricted Working Space, Add</i>	18.44	
23 31 13 13-0467	LF		38" x 42", 22 Gauge Galvanized Steel Duct	98.72	37.83
			<i>For Flat Oval, Add</i>	5.35	
			<i>For Work In Restricted Working Space, Add</i>	18.92	
23 31 13 13-0468	LF		38" x 44", 22 Gauge Galvanized Steel Duct	101.18	38.78
			<i>For Flat Oval, Add</i>	5.48	
			<i>For Work In Restricted Working Space, Add</i>	19.39	
23 31 13 13-0469	LF		38" x 46", 22 Gauge Galvanized Steel Duct	103.65	39.73
			<i>For Flat Oval, Add</i>	5.62	
			<i>For Work In Restricted Working Space, Add</i>	19.86	
23 31 13 13-0470	LF		38" x 48", 22 Gauge Galvanized Steel Duct	106.13	40.66
			<i>For Flat Oval, Add</i>	5.75	
			<i>For Work In Restricted Working Space, Add</i>	20.34	
23 31 13 13-0471	LF		38" x 50", 22 Gauge Galvanized Steel Duct	108.59	41.61
			<i>For Flat Oval, Add</i>	5.88	
			<i>For Work In Restricted Working Space, Add</i>	20.81	
23 31 13 13-0472	LF		40" x 40", 22 Gauge Galvanized Steel Duct	98.72	37.83
			<i>For Flat Oval, Add</i>	5.35	
			<i>For Work In Restricted Working Space, Add</i>	18.92	
23 31 13 13-0473	LF		40" x 42", 22 Gauge Galvanized Steel Duct	101.18	38.78
			<i>For Flat Oval, Add</i>	5.48	
			<i>For Work In Restricted Working Space, Add</i>	19.39	
23 31 13 13-0474	LF		40" x 44", 22 Gauge Galvanized Steel Duct	103.65	39.73
			<i>For Flat Oval, Add</i>	5.62	
			<i>For Work In Restricted Working Space, Add</i>	19.86	
23 31 13 13-0475	LF		40" x 46", 22 Gauge Galvanized Steel Duct	106.13	40.66
			<i>For Flat Oval, Add</i>	5.75	
			<i>For Work In Restricted Working Space, Add</i>	20.34	
23 31 13 13-0476	LF		40" x 48", 22 Gauge Galvanized Steel Duct	108.59	41.61
			<i>For Flat Oval, Add</i>	5.88	
			<i>For Work In Restricted Working Space, Add</i>	20.81	
23 31 13 13-0477	LF		40" x 50", 22 Gauge Galvanized Steel Duct	111.06	42.56
			<i>For Flat Oval, Add</i>	6.02	
			<i>For Work In Restricted Working Space, Add</i>	21.28	
23 31 13 13-0478	LF		40" x 52", 22 Gauge Galvanized Steel Duct	113.52	43.50
			<i>For Flat Oval, Add</i>	6.15	
			<i>For Work In Restricted Working Space, Add</i>	21.75	
23 31 13 13-0479	LF		40" x 54", 22 Gauge Galvanized Steel Duct	115.99	44.45
			<i>For Flat Oval, Add</i>	6.29	
			<i>For Work In Restricted Working Space, Add</i>	22.23	
23 31 13 13-0480	LF		42" x 42", 22 Gauge Galvanized Steel Duct	103.65	39.73
			<i>For Flat Oval, Add</i>	5.62	
			<i>For Work In Restricted Working Space, Add</i>	19.86	
23 31 13 13-0481	LF		42" x 44", 22 Gauge Galvanized Steel Duct	106.13	40.66
			<i>For Flat Oval, Add</i>	5.75	
			<i>For Work In Restricted Working Space, Add</i>	20.34	
23 31 13 13-0482	LF		42" x 46", 22 Gauge Galvanized Steel Duct	108.59	41.61
			<i>For Flat Oval, Add</i>	5.88	
			<i>For Work In Restricted Working Space, Add</i>	20.81	
23 31 13 13-0483	LF		42" x 48", 22 Gauge Galvanized Steel Duct	111.06	42.56
			<i>For Flat Oval, Add</i>	6.02	
			<i>For Work In Restricted Working Space, Add</i>	21.28	
23 31 13 13-0484	LF		42" x 50", 22 Gauge Galvanized Steel Duct	113.52	43.50
			<i>For Flat Oval, Add</i>	6.15	
			<i>For Work In Restricted Working Space, Add</i>	21.75	
23 31 13 13-0485	LF		42" x 52", 22 Gauge Galvanized Steel Duct	115.99	44.45
			<i>For Flat Oval, Add</i>	6.29	
			<i>For Work In Restricted Working Space, Add</i>	22.23	
23 31 13 13-0486	LF		42" x 54", 22 Gauge Galvanized Steel Duct	118.46	45.40
			<i>For Flat Oval, Add</i>	6.42	
			<i>For Work In Restricted Working Space, Add</i>	22.70	
23 31 13 13-0487	LF		44" x 44", 22 Gauge Galvanized Steel Duct	108.59	41.61
			<i>For Flat Oval, Add</i>	5.88	
			<i>For Work In Restricted Working Space, Add</i>	20.81	
23 31 13 13-0488	LF		44" x 46", 22 Gauge Galvanized Steel Duct	111.06	42.56
			<i>For Flat Oval, Add</i>	6.02	
			<i>For Work In Restricted Working Space, Add</i>	21.28	
23 31 13 13-0489	LF		44" x 48", 22 Gauge Galvanized Steel Duct	113.52	43.50
			<i>For Flat Oval, Add</i>	6.15	
			<i>For Work In Restricted Working Space, Add</i>	21.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0490 LF 44" x 50", 22 Gauge Galvanized Steel Duct	115.99	44.45
For Flat Oval, Add	6.29	
For Work In Restricted Working Space, Add	22.23	
23 31 13 13-0491 LF 44" x 52", 22 Gauge Galvanized Steel Duct	118.46	45.40
For Flat Oval, Add	6.42	
For Work In Restricted Working Space, Add	22.70	
23 31 13 13-0492 LF 44" x 54", 22 Gauge Galvanized Steel Duct	120.94	46.35
For Flat Oval, Add	6.55	
For Work In Restricted Working Space, Add	23.18	
23 31 13 13-0493 LF 46" x 46", 22 Gauge Galvanized Steel Duct	113.52	43.50
For Flat Oval, Add	6.15	
For Work In Restricted Working Space, Add	21.75	
23 31 13 13-0494 LF 46" x 48", 22 Gauge Galvanized Steel Duct	115.99	44.45
For Flat Oval, Add	6.29	
For Work In Restricted Working Space, Add	22.23	
23 31 13 13-0495 LF 46" x 50", 22 Gauge Galvanized Steel Duct	118.46	45.40
For Flat Oval, Add	6.42	
For Work In Restricted Working Space, Add	22.70	
23 31 13 13-0496 LF 46" x 52", 22 Gauge Galvanized Steel Duct	120.94	46.35
For Flat Oval, Add	6.55	
For Work In Restricted Working Space, Add	23.18	
23 31 13 13-0497 LF 46" x 54", 22 Gauge Galvanized Steel Duct	123.39	47.29
For Flat Oval, Add	6.69	
For Work In Restricted Working Space, Add	23.64	
23 31 13 13-0498 LF 48" x 48", 22 Gauge Galvanized Steel Duct	118.46	45.40
For Flat Oval, Add	6.42	
For Work In Restricted Working Space, Add	22.70	
23 31 13 13-0499 LF 48" x 50", 22 Gauge Galvanized Steel Duct	120.94	46.35
For Flat Oval, Add	6.55	
For Work In Restricted Working Space, Add	23.18	
23 31 13 13-0500 LF 48" x 52", 22 Gauge Galvanized Steel Duct	123.39	47.29
For Flat Oval, Add	6.69	
For Work In Restricted Working Space, Add	23.64	
23 31 13 13-0501 LF 48" x 54", 22 Gauge Galvanized Steel Duct	125.87	48.24
For Flat Oval, Add	6.82	
For Work In Restricted Working Space, Add	24.12	
23 31 13 13-0502 LF 50" x 50", 22 Gauge Galvanized Steel Duct	123.39	47.29
For Flat Oval, Add	6.69	
For Work In Restricted Working Space, Add	23.64	
23 31 13 13-0503 LF 50" x 52", 22 Gauge Galvanized Steel Duct	125.87	48.24
For Flat Oval, Add	6.82	
For Work In Restricted Working Space, Add	24.12	
23 31 13 13-0504 LF 50" x 54", 22 Gauge Galvanized Steel Duct	128.34	49.19
For Flat Oval, Add	6.95	
For Work In Restricted Working Space, Add	24.59	
23 31 13 13-0505 LF 52" x 52", 22 Gauge Galvanized Steel Duct	128.34	49.19
For Flat Oval, Add	6.95	
For Work In Restricted Working Space, Add	24.59	
23 31 13 13-0506 LF 52" x 54", 22 Gauge Galvanized Steel Duct	130.80	50.13
For Flat Oval, Add	7.09	
For Work In Restricted Working Space, Add	25.07	
23 31 13 13-0507 LF 54" x 54", 22 Gauge Galvanized Steel Duct	133.27	51.08
For Flat Oval, Add	7.22	
For Work In Restricted Working Space, Add	25.54	
23 31 13 13-0508 20 Gauge Galvanized Steel Duct <small>(23 31 13 13-0009)</small>		
23 31 13 13-0509 LF 4" x 4", 20 Gauge Galvanized Steel Duct	11.61	4.45
For Flat Oval, Add	0.63	
For Work In Restricted Working Space, Add	2.23	
23 31 13 13-0510 LF 4" x 6", 20 Gauge Galvanized Steel Duct	14.53	5.57
For Flat Oval, Add	0.79	
For Work In Restricted Working Space, Add	2.78	
23 31 13 13-0511 LF 4" x 8", 20 Gauge Galvanized Steel Duct	17.45	6.68
For Flat Oval, Add	0.95	
For Work In Restricted Working Space, Add	3.34	
23 31 13 13-0512 LF 4" x 10", 20 Gauge Galvanized Steel Duct	20.34	7.80
For Flat Oval, Add	1.10	
For Work In Restricted Working Space, Add	3.90	
23 31 13 13-0513 LF 4" x 12", 20 Gauge Galvanized Steel Duct	23.25	8.92
For Flat Oval, Add	1.26	
For Work In Restricted Working Space, Add	4.46	
23 31 13 13-0514 LF 4" x 14", 20 Gauge Galvanized Steel Duct	26.17	10.03
For Flat Oval, Add	1.42	
For Work In Restricted Working Space, Add	5.01	
23 31 13 13-0515 LF 4" x 16", 20 Gauge Galvanized Steel Duct	29.07	11.14
For Flat Oval, Add	1.58	
For Work In Restricted Working Space, Add	5.57	
23 31 13 13-0516 LF 6" x 6", 20 Gauge Galvanized Steel Duct	17.45	6.68
For Flat Oval, Add	0.95	
For Work In Restricted Working Space, Add	3.34	
23 31 13 13-0517 LF 6" x 8", 20 Gauge Galvanized Steel Duct	20.34	7.80
For Flat Oval, Add	1.10	
For Work In Restricted Working Space, Add	3.90	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0518	LF	6" x 10", 20 Gauge Galvanized Steel Duct	23.25	8.92
			<i>For Flat Oval, Add</i>	1.26	
			<i>For Work In Restricted Working Space, Add</i>	4.46	
23 31	13 13-0519	LF	6" x 12", 20 Gauge Galvanized Steel Duct	26.17	10.03
			<i>For Flat Oval, Add</i>	1.42	
			<i>For Work In Restricted Working Space, Add</i>	5.01	
23 31	13 13-0520	LF	6" x 14", 20 Gauge Galvanized Steel Duct	29.07	11.14
			<i>For Flat Oval, Add</i>	1.58	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
23 31	13 13-0521	LF	6" x 16", 20 Gauge Galvanized Steel Duct	31.98	12.26
			<i>For Flat Oval, Add</i>	1.73	
			<i>For Work In Restricted Working Space, Add</i>	6.13	
23 31	13 13-0522	LF	8" x 8", 20 Gauge Galvanized Steel Duct	23.25	8.92
			<i>For Flat Oval, Add</i>	1.26	
			<i>For Work In Restricted Working Space, Add</i>	4.46	
23 31	13 13-0523	LF	8" x 10", 20 Gauge Galvanized Steel Duct	26.17	10.03
			<i>For Flat Oval, Add</i>	1.42	
			<i>For Work In Restricted Working Space, Add</i>	5.01	
23 31	13 13-0524	LF	8" x 12", 20 Gauge Galvanized Steel Duct	29.07	11.14
			<i>For Flat Oval, Add</i>	1.58	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
23 31	13 13-0525	LF	8" x 14", 20 Gauge Galvanized Steel Duct	31.98	12.26
			<i>For Flat Oval, Add</i>	1.73	
			<i>For Work In Restricted Working Space, Add</i>	6.13	
23 31	13 13-0526	LF	8" x 16", 20 Gauge Galvanized Steel Duct	34.87	13.37
			<i>For Flat Oval, Add</i>	1.89	
			<i>For Work In Restricted Working Space, Add</i>	6.68	
23 31	13 13-0527	LF	8" x 18", 20 Gauge Galvanized Steel Duct	37.78	14.48
			<i>For Flat Oval, Add</i>	2.05	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
23 31	13 13-0528	LF	8" x 20", 20 Gauge Galvanized Steel Duct	40.70	15.60
			<i>For Flat Oval, Add</i>	2.21	
			<i>For Work In Restricted Working Space, Add</i>	7.80	
23 31	13 13-0529	LF	8" x 22", 20 Gauge Galvanized Steel Duct	43.60	16.71
			<i>For Flat Oval, Add</i>	2.36	
			<i>For Work In Restricted Working Space, Add</i>	8.36	
23 31	13 13-0530	LF	8" x 24", 20 Gauge Galvanized Steel Duct	46.51	17.82
			<i>For Flat Oval, Add</i>	2.52	
			<i>For Work In Restricted Working Space, Add</i>	8.91	
23 31	13 13-0531	LF	10" x 10", 20 Gauge Galvanized Steel Duct	29.07	11.14
			<i>For Flat Oval, Add</i>	1.58	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
23 31	13 13-0532	LF	10" x 12", 20 Gauge Galvanized Steel Duct	31.98	12.26
			<i>For Flat Oval, Add</i>	1.73	
			<i>For Work In Restricted Working Space, Add</i>	6.13	
23 31	13 13-0533	LF	10" x 14", 20 Gauge Galvanized Steel Duct	34.87	13.37
			<i>For Flat Oval, Add</i>	1.89	
			<i>For Work In Restricted Working Space, Add</i>	6.68	
23 31	13 13-0534	LF	10" x 16", 20 Gauge Galvanized Steel Duct	37.78	14.48
			<i>For Flat Oval, Add</i>	2.05	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
23 31	13 13-0535	LF	10" x 18", 20 Gauge Galvanized Steel Duct	40.70	15.60
			<i>For Flat Oval, Add</i>	2.21	
			<i>For Work In Restricted Working Space, Add</i>	7.80	
23 31	13 13-0536	LF	10" x 20", 20 Gauge Galvanized Steel Duct	43.60	16.71
			<i>For Flat Oval, Add</i>	2.36	
			<i>For Work In Restricted Working Space, Add</i>	8.36	
23 31	13 13-0537	LF	10" x 22", 20 Gauge Galvanized Steel Duct	46.51	17.82
			<i>For Flat Oval, Add</i>	2.52	
			<i>For Work In Restricted Working Space, Add</i>	8.91	
23 31	13 13-0538	LF	10" x 24", 20 Gauge Galvanized Steel Duct	49.43	18.93
			<i>For Flat Oval, Add</i>	2.68	
			<i>For Work In Restricted Working Space, Add</i>	9.47	
23 31	13 13-0539	LF	10" x 26", 20 Gauge Galvanized Steel Duct	52.32	20.05
			<i>For Flat Oval, Add</i>	2.84	
			<i>For Work In Restricted Working Space, Add</i>	10.03	
23 31	13 13-0540	LF	10" x 28", 20 Gauge Galvanized Steel Duct	55.24	21.17
			<i>For Flat Oval, Add</i>	2.99	
			<i>For Work In Restricted Working Space, Add</i>	10.58	
23 31	13 13-0541	LF	10" x 30", 20 Gauge Galvanized Steel Duct	58.12	22.28
			<i>For Flat Oval, Add</i>	3.15	
			<i>For Work In Restricted Working Space, Add</i>	11.14	
23 31	13 13-0542	LF	10" x 32", 20 Gauge Galvanized Steel Duct	61.04	23.40
			<i>For Flat Oval, Add</i>	3.31	
			<i>For Work In Restricted Working Space, Add</i>	11.70	
23 31	13 13-0543	LF	12" x 12", 20 Gauge Galvanized Steel Duct	34.87	13.37
			<i>For Flat Oval, Add</i>	1.89	
			<i>For Work In Restricted Working Space, Add</i>	6.68	
23 31	13 13-0544	LF	12" x 14", 20 Gauge Galvanized Steel Duct	37.78	14.48
			<i>For Flat Oval, Add</i>	2.05	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
23 31	13 13-0545	LF	12" x 16", 20 Gauge Galvanized Steel Duct	40.70	15.60
			<i>For Flat Oval, Add</i>	2.21	
			<i>For Work In Restricted Working Space, Add</i>	7.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0546 LF 12" x 18", 20 Gauge Galvanized Steel Duct	43.60	16.71
For Flat Oval, Add	2.36	
For Work In Restricted Working Space, Add	8.36	
23 31 13 13-0547 LF 12" x 20", 20 Gauge Galvanized Steel Duct	46.51	17.82
For Flat Oval, Add	2.52	
For Work In Restricted Working Space, Add	8.91	
23 31 13 13-0548 LF 12" x 22", 20 Gauge Galvanized Steel Duct	49.43	18.93
For Flat Oval, Add	2.68	
For Work In Restricted Working Space, Add	9.47	
23 31 13 13-0549 LF 12" x 24", 20 Gauge Galvanized Steel Duct	52.32	20.05
For Flat Oval, Add	2.84	
For Work In Restricted Working Space, Add	10.03	
23 31 13 13-0550 LF 12" x 26", 20 Gauge Galvanized Steel Duct	55.24	21.17
For Flat Oval, Add	2.99	
For Work In Restricted Working Space, Add	10.58	
23 31 13 13-0551 LF 12" x 28", 20 Gauge Galvanized Steel Duct	58.12	22.28
For Flat Oval, Add	3.15	
For Work In Restricted Working Space, Add	11.14	
23 31 13 13-0552 LF 12" x 30", 20 Gauge Galvanized Steel Duct	61.04	23.40
For Flat Oval, Add	3.31	
For Work In Restricted Working Space, Add	11.70	
23 31 13 13-0553 LF 12" x 32", 20 Gauge Galvanized Steel Duct	63.96	24.51
For Flat Oval, Add	3.47	
For Work In Restricted Working Space, Add	12.26	
23 31 13 13-0554 LF 12" x 34", 20 Gauge Galvanized Steel Duct	66.85	25.62
For Flat Oval, Add	3.62	
For Work In Restricted Working Space, Add	12.81	
23 31 13 13-0555 LF 12" x 36", 20 Gauge Galvanized Steel Duct	69.76	26.74
For Flat Oval, Add	3.78	
For Work In Restricted Working Space, Add	13.37	
23 31 13 13-0556 LF 14" x 14", 20 Gauge Galvanized Steel Duct	40.70	15.60
For Flat Oval, Add	2.21	
For Work In Restricted Working Space, Add	7.80	
23 31 13 13-0557 LF 14" x 16", 20 Gauge Galvanized Steel Duct	43.60	16.71
For Flat Oval, Add	2.36	
For Work In Restricted Working Space, Add	8.36	
23 31 13 13-0558 LF 14" x 18", 20 Gauge Galvanized Steel Duct	46.51	17.82
For Flat Oval, Add	2.52	
For Work In Restricted Working Space, Add	8.91	
23 31 13 13-0559 LF 14" x 20", 20 Gauge Galvanized Steel Duct	49.43	18.93
For Flat Oval, Add	2.68	
For Work In Restricted Working Space, Add	9.47	
23 31 13 13-0560 LF 14" x 22", 20 Gauge Galvanized Steel Duct	52.32	20.05
For Flat Oval, Add	2.84	
For Work In Restricted Working Space, Add	10.03	
23 31 13 13-0561 LF 14" x 24", 20 Gauge Galvanized Steel Duct	55.24	21.17
For Flat Oval, Add	2.99	
For Work In Restricted Working Space, Add	10.58	
23 31 13 13-0562 LF 14" x 26", 20 Gauge Galvanized Steel Duct	58.12	22.28
For Flat Oval, Add	3.15	
For Work In Restricted Working Space, Add	11.14	
23 31 13 13-0563 LF 14" x 28", 20 Gauge Galvanized Steel Duct	61.04	23.40
For Flat Oval, Add	3.31	
For Work In Restricted Working Space, Add	11.70	
23 31 13 13-0564 LF 14" x 30", 20 Gauge Galvanized Steel Duct	63.96	24.51
For Flat Oval, Add	3.47	
For Work In Restricted Working Space, Add	12.26	
23 31 13 13-0565 LF 14" x 32", 20 Gauge Galvanized Steel Duct	66.85	25.62
For Flat Oval, Add	3.62	
For Work In Restricted Working Space, Add	12.81	
23 31 13 13-0566 LF 14" x 34", 20 Gauge Galvanized Steel Duct	69.76	26.74
For Flat Oval, Add	3.78	
For Work In Restricted Working Space, Add	13.37	
23 31 13 13-0567 LF 14" x 36", 20 Gauge Galvanized Steel Duct	72.66	27.85
For Flat Oval, Add	3.94	
For Work In Restricted Working Space, Add	13.93	
23 31 13 13-0568 LF 16" x 16", 20 Gauge Galvanized Steel Duct	46.51	17.82
For Flat Oval, Add	2.52	
For Work In Restricted Working Space, Add	8.91	
23 31 13 13-0569 LF 16" x 18", 20 Gauge Galvanized Steel Duct	49.43	18.93
For Flat Oval, Add	2.68	
For Work In Restricted Working Space, Add	9.47	
23 31 13 13-0570 LF 16" x 20", 20 Gauge Galvanized Steel Duct	52.32	20.05
For Flat Oval, Add	2.84	
For Work In Restricted Working Space, Add	10.03	
23 31 13 13-0571 LF 16" x 22", 20 Gauge Galvanized Steel Duct	55.24	21.17
For Flat Oval, Add	2.99	
For Work In Restricted Working Space, Add	10.58	
23 31 13 13-0572 LF 16" x 24", 20 Gauge Galvanized Steel Duct	58.12	22.28
For Flat Oval, Add	3.15	
For Work In Restricted Working Space, Add	11.14	
23 31 13 13-0573 LF 16" x 26", 20 Gauge Galvanized Steel Duct	61.04	23.40
For Flat Oval, Add	3.31	
For Work In Restricted Working Space, Add	11.70	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0574	LF	16" x 28", 20 Gauge Galvanized Steel Duct	63.96	24.51
			<i>For Flat Oval, Add</i>	3.47	
			<i>For Work In Restricted Working Space, Add</i>	12.26	
23 31	13 13-0575	LF	16" x 30", 20 Gauge Galvanized Steel Duct	66.85	25.62
			<i>For Flat Oval, Add</i>	3.62	
			<i>For Work In Restricted Working Space, Add</i>	12.81	
23 31	13 13-0576	LF	16" x 32", 20 Gauge Galvanized Steel Duct	69.76	26.74
			<i>For Flat Oval, Add</i>	3.78	
			<i>For Work In Restricted Working Space, Add</i>	13.37	
23 31	13 13-0577	LF	16" x 34", 20 Gauge Galvanized Steel Duct	72.66	27.85
			<i>For Flat Oval, Add</i>	3.94	
			<i>For Work In Restricted Working Space, Add</i>	13.93	
23 31	13 13-0578	LF	16" x 36", 20 Gauge Galvanized Steel Duct	75.58	28.96
			<i>For Flat Oval, Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	14.48	
23 31	13 13-0579	LF	16" x 38", 20 Gauge Galvanized Steel Duct	78.50	30.08
			<i>For Flat Oval, Add</i>	4.25	
			<i>For Work In Restricted Working Space, Add</i>	15.04	
23 31	13 13-0580	LF	16" x 40", 20 Gauge Galvanized Steel Duct	81.38	31.19
			<i>For Flat Oval, Add</i>	4.41	
			<i>For Work In Restricted Working Space, Add</i>	15.59	
23 31	13 13-0581	LF	16" x 42", 20 Gauge Galvanized Steel Duct	84.29	32.30
			<i>For Flat Oval, Add</i>	4.57	
			<i>For Work In Restricted Working Space, Add</i>	16.15	
23 31	13 13-0582	LF	16" x 44", 20 Gauge Galvanized Steel Duct	87.21	33.42
			<i>For Flat Oval, Add</i>	4.73	
			<i>For Work In Restricted Working Space, Add</i>	16.71	
23 31	13 13-0583	LF	18" x 18", 20 Gauge Galvanized Steel Duct	52.32	20.05
			<i>For Flat Oval, Add</i>	2.84	
			<i>For Work In Restricted Working Space, Add</i>	10.03	
23 31	13 13-0584	LF	18" x 20", 20 Gauge Galvanized Steel Duct	55.24	21.17
			<i>For Flat Oval, Add</i>	2.99	
			<i>For Work In Restricted Working Space, Add</i>	10.58	
23 31	13 13-0585	LF	18" x 22", 20 Gauge Galvanized Steel Duct	58.12	22.28
			<i>For Flat Oval, Add</i>	3.15	
			<i>For Work In Restricted Working Space, Add</i>	11.14	
23 31	13 13-0586	LF	18" x 24", 20 Gauge Galvanized Steel Duct	61.04	23.40
			<i>For Flat Oval, Add</i>	3.31	
			<i>For Work In Restricted Working Space, Add</i>	11.70	
23 31	13 13-0587	LF	18" x 26", 20 Gauge Galvanized Steel Duct	63.96	24.51
			<i>For Flat Oval, Add</i>	3.47	
			<i>For Work In Restricted Working Space, Add</i>	12.26	
23 31	13 13-0588	LF	18" x 28", 20 Gauge Galvanized Steel Duct	66.85	25.62
			<i>For Flat Oval, Add</i>	3.62	
			<i>For Work In Restricted Working Space, Add</i>	12.81	
23 31	13 13-0589	LF	18" x 30", 20 Gauge Galvanized Steel Duct	69.76	26.74
			<i>For Flat Oval, Add</i>	3.78	
			<i>For Work In Restricted Working Space, Add</i>	13.37	
23 31	13 13-0590	LF	18" x 32", 20 Gauge Galvanized Steel Duct	72.66	27.85
			<i>For Flat Oval, Add</i>	3.94	
			<i>For Work In Restricted Working Space, Add</i>	13.93	
23 31	13 13-0591	LF	18" x 34", 20 Gauge Galvanized Steel Duct	75.58	28.96
			<i>For Flat Oval, Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	14.48	
23 31	13 13-0592	LF	18" x 36", 20 Gauge Galvanized Steel Duct	78.50	30.08
			<i>For Flat Oval, Add</i>	4.25	
			<i>For Work In Restricted Working Space, Add</i>	15.04	
23 31	13 13-0593	LF	18" x 38", 20 Gauge Galvanized Steel Duct	81.38	31.19
			<i>For Flat Oval, Add</i>	4.41	
			<i>For Work In Restricted Working Space, Add</i>	15.59	
23 31	13 13-0594	LF	18" x 40", 20 Gauge Galvanized Steel Duct	84.29	32.30
			<i>For Flat Oval, Add</i>	4.57	
			<i>For Work In Restricted Working Space, Add</i>	16.15	
23 31	13 13-0595	LF	18" x 42", 20 Gauge Galvanized Steel Duct	87.21	33.42
			<i>For Flat Oval, Add</i>	4.73	
			<i>For Work In Restricted Working Space, Add</i>	16.71	
23 31	13 13-0596	LF	18" x 44", 20 Gauge Galvanized Steel Duct	90.11	34.54
			<i>For Flat Oval, Add</i>	4.88	
			<i>For Work In Restricted Working Space, Add</i>	17.27	
23 31	13 13-0597	LF	18" x 46", 20 Gauge Galvanized Steel Duct	93.03	35.65
			<i>For Flat Oval, Add</i>	5.04	
			<i>For Work In Restricted Working Space, Add</i>	17.83	
23 31	13 13-0598	LF	20" x 20", 20 Gauge Galvanized Steel Duct	58.12	22.28
			<i>For Flat Oval, Add</i>	3.15	
			<i>For Work In Restricted Working Space, Add</i>	11.14	
23 31	13 13-0599	LF	20" x 22", 20 Gauge Galvanized Steel Duct	61.04	23.40
			<i>For Flat Oval, Add</i>	3.31	
			<i>For Work In Restricted Working Space, Add</i>	11.70	
23 31	13 13-0600	LF	20" x 24", 20 Gauge Galvanized Steel Duct	63.96	24.51
			<i>For Flat Oval, Add</i>	3.47	
			<i>For Work In Restricted Working Space, Add</i>	12.26	
23 31	13 13-0601	LF	20" x 26", 20 Gauge Galvanized Steel Duct	66.85	25.62
			<i>For Flat Oval, Add</i>	3.62	
			<i>For Work In Restricted Working Space, Add</i>	12.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0602 LF 20" x 28", 20 Gauge Galvanized Steel Duct	69.76	26.74
For Flat Oval, Add	3.78	
For Work In Restricted Working Space, Add	13.37	
23 31 13 13-0603 LF 20" x 30", 20 Gauge Galvanized Steel Duct	72.66	27.85
For Flat Oval, Add	3.94	
For Work In Restricted Working Space, Add	13.93	
23 31 13 13-0604 LF 20" x 32", 20 Gauge Galvanized Steel Duct	75.58	28.96
For Flat Oval, Add	4.10	
For Work In Restricted Working Space, Add	14.48	
23 31 13 13-0605 LF 20" x 34", 20 Gauge Galvanized Steel Duct	78.50	30.08
For Flat Oval, Add	4.25	
For Work In Restricted Working Space, Add	15.04	
23 31 13 13-0606 LF 20" x 36", 20 Gauge Galvanized Steel Duct	81.38	31.19
For Flat Oval, Add	4.41	
For Work In Restricted Working Space, Add	15.59	
23 31 13 13-0607 LF 20" x 38", 20 Gauge Galvanized Steel Duct	84.29	32.30
For Flat Oval, Add	4.57	
For Work In Restricted Working Space, Add	16.15	
23 31 13 13-0608 LF 20" x 40", 20 Gauge Galvanized Steel Duct	87.21	33.42
For Flat Oval, Add	4.73	
For Work In Restricted Working Space, Add	16.71	
23 31 13 13-0609 LF 20" x 42", 20 Gauge Galvanized Steel Duct	90.11	34.54
For Flat Oval, Add	4.88	
For Work In Restricted Working Space, Add	17.27	
23 31 13 13-0610 LF 20" x 44", 20 Gauge Galvanized Steel Duct	93.03	35.65
For Flat Oval, Add	5.04	
For Work In Restricted Working Space, Add	17.83	
23 31 13 13-0611 LF 20" x 46", 20 Gauge Galvanized Steel Duct	95.91	36.77
For Flat Oval, Add	5.20	
For Work In Restricted Working Space, Add	18.38	
23 31 13 13-0612 LF 20" x 48", 20 Gauge Galvanized Steel Duct	98.83	37.88
For Flat Oval, Add	5.36	
For Work In Restricted Working Space, Add	18.94	
23 31 13 13-0613 LF 22" x 22", 20 Gauge Galvanized Steel Duct	63.96	24.51
For Flat Oval, Add	3.47	
For Work In Restricted Working Space, Add	12.26	
23 31 13 13-0614 LF 22" x 24", 20 Gauge Galvanized Steel Duct	66.85	25.62
For Flat Oval, Add	3.62	
For Work In Restricted Working Space, Add	12.81	
23 31 13 13-0615 LF 22" x 26", 20 Gauge Galvanized Steel Duct	69.76	26.74
For Flat Oval, Add	3.78	
For Work In Restricted Working Space, Add	13.37	
23 31 13 13-0616 LF 22" x 28", 20 Gauge Galvanized Steel Duct	72.66	27.85
For Flat Oval, Add	3.94	
For Work In Restricted Working Space, Add	13.93	
23 31 13 13-0617 LF 22" x 30", 20 Gauge Galvanized Steel Duct	75.58	28.96
For Flat Oval, Add	4.10	
For Work In Restricted Working Space, Add	14.48	
23 31 13 13-0618 LF 22" x 32", 20 Gauge Galvanized Steel Duct	78.50	30.08
For Flat Oval, Add	4.25	
For Work In Restricted Working Space, Add	15.04	
23 31 13 13-0619 LF 22" x 34", 20 Gauge Galvanized Steel Duct	81.38	31.19
For Flat Oval, Add	4.41	
For Work In Restricted Working Space, Add	15.59	
23 31 13 13-0620 LF 22" x 36", 20 Gauge Galvanized Steel Duct	84.29	32.30
For Flat Oval, Add	4.57	
For Work In Restricted Working Space, Add	16.15	
23 31 13 13-0621 LF 22" x 38", 20 Gauge Galvanized Steel Duct	87.21	33.42
For Flat Oval, Add	4.73	
For Work In Restricted Working Space, Add	16.71	
23 31 13 13-0622 LF 22" x 40", 20 Gauge Galvanized Steel Duct	90.11	34.54
For Flat Oval, Add	4.88	
For Work In Restricted Working Space, Add	17.27	
23 31 13 13-0623 LF 22" x 42", 20 Gauge Galvanized Steel Duct	93.03	35.65
For Flat Oval, Add	5.04	
For Work In Restricted Working Space, Add	17.83	
23 31 13 13-0624 LF 22" x 44", 20 Gauge Galvanized Steel Duct	95.91	36.77
For Flat Oval, Add	5.20	
For Work In Restricted Working Space, Add	18.38	
23 31 13 13-0625 LF 22" x 46", 20 Gauge Galvanized Steel Duct	98.83	37.88
For Flat Oval, Add	5.36	
For Work In Restricted Working Space, Add	18.94	
23 31 13 13-0626 LF 22" x 48", 20 Gauge Galvanized Steel Duct	101.75	38.99
For Flat Oval, Add	5.51	
For Work In Restricted Working Space, Add	19.50	
23 31 13 13-0627 LF 24" x 24", 20 Gauge Galvanized Steel Duct	69.76	26.74
For Flat Oval, Add	3.78	
For Work In Restricted Working Space, Add	13.37	
23 31 13 13-0628 LF 24" x 26", 20 Gauge Galvanized Steel Duct	72.66	27.85
For Flat Oval, Add	3.94	
For Work In Restricted Working Space, Add	13.93	
23 31 13 13-0629 LF 24" x 28", 20 Gauge Galvanized Steel Duct	75.58	28.96
For Flat Oval, Add	4.10	
For Work In Restricted Working Space, Add	14.48	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0630	LF		24" x 30", 20 Gauge Galvanized Steel Duct	78.50	30.08
			<i>For Flat Oval, Add</i>	4.25	
			<i>For Work In Restricted Working Space, Add</i>	15.04	
23 31 13 13-0631	LF		24" x 32", 20 Gauge Galvanized Steel Duct	81.38	31.19
			<i>For Flat Oval, Add</i>	4.41	
			<i>For Work In Restricted Working Space, Add</i>	15.59	
23 31 13 13-0632	LF		24" x 34", 20 Gauge Galvanized Steel Duct	84.29	32.30
			<i>For Flat Oval, Add</i>	4.57	
			<i>For Work In Restricted Working Space, Add</i>	16.15	
23 31 13 13-0633	LF		24" x 36", 20 Gauge Galvanized Steel Duct	87.21	33.42
			<i>For Flat Oval, Add</i>	4.73	
			<i>For Work In Restricted Working Space, Add</i>	16.71	
23 31 13 13-0634	LF		24" x 38", 20 Gauge Galvanized Steel Duct	90.11	34.54
			<i>For Flat Oval, Add</i>	4.88	
			<i>For Work In Restricted Working Space, Add</i>	17.27	
23 31 13 13-0635	LF		24" x 40", 20 Gauge Galvanized Steel Duct	93.03	35.65
			<i>For Flat Oval, Add</i>	5.04	
			<i>For Work In Restricted Working Space, Add</i>	17.83	
23 31 13 13-0636	LF		24" x 42", 20 Gauge Galvanized Steel Duct	95.91	36.77
			<i>For Flat Oval, Add</i>	5.20	
			<i>For Work In Restricted Working Space, Add</i>	18.38	
23 31 13 13-0637	LF		24" x 44", 20 Gauge Galvanized Steel Duct	98.83	37.88
			<i>For Flat Oval, Add</i>	5.36	
			<i>For Work In Restricted Working Space, Add</i>	18.94	
23 31 13 13-0638	LF		24" x 46", 20 Gauge Galvanized Steel Duct	101.75	38.99
			<i>For Flat Oval, Add</i>	5.51	
			<i>For Work In Restricted Working Space, Add</i>	19.50	
23 31 13 13-0639	LF		24" x 48", 20 Gauge Galvanized Steel Duct	104.64	40.11
			<i>For Flat Oval, Add</i>	5.67	
			<i>For Work In Restricted Working Space, Add</i>	20.05	
23 31 13 13-0640	LF		26" x 26", 20 Gauge Galvanized Steel Duct	75.58	28.96
			<i>For Flat Oval, Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	14.48	
23 31 13 13-0641	LF		26" x 28", 20 Gauge Galvanized Steel Duct	78.50	30.08
			<i>For Flat Oval, Add</i>	4.25	
			<i>For Work In Restricted Working Space, Add</i>	15.04	
23 31 13 13-0642	LF		26" x 30", 20 Gauge Galvanized Steel Duct	81.38	31.19
			<i>For Flat Oval, Add</i>	4.41	
			<i>For Work In Restricted Working Space, Add</i>	15.59	
23 31 13 13-0643	LF		26" x 32", 20 Gauge Galvanized Steel Duct	84.29	32.30
			<i>For Flat Oval, Add</i>	4.57	
			<i>For Work In Restricted Working Space, Add</i>	16.15	
23 31 13 13-0644	LF		26" x 34", 20 Gauge Galvanized Steel Duct	87.21	33.42
			<i>For Flat Oval, Add</i>	4.73	
			<i>For Work In Restricted Working Space, Add</i>	16.71	
23 31 13 13-0645	LF		26" x 36", 20 Gauge Galvanized Steel Duct	90.11	34.54
			<i>For Flat Oval, Add</i>	4.88	
			<i>For Work In Restricted Working Space, Add</i>	17.27	
23 31 13 13-0646	LF		26" x 38", 20 Gauge Galvanized Steel Duct	93.03	35.65
			<i>For Flat Oval, Add</i>	5.04	
			<i>For Work In Restricted Working Space, Add</i>	17.83	
23 31 13 13-0647	LF		26" x 40", 20 Gauge Galvanized Steel Duct	95.91	36.77
			<i>For Flat Oval, Add</i>	5.20	
			<i>For Work In Restricted Working Space, Add</i>	18.38	
23 31 13 13-0648	LF		26" x 42", 20 Gauge Galvanized Steel Duct	98.83	37.88
			<i>For Flat Oval, Add</i>	5.36	
			<i>For Work In Restricted Working Space, Add</i>	18.94	
23 31 13 13-0649	LF		26" x 44", 20 Gauge Galvanized Steel Duct	101.75	38.99
			<i>For Flat Oval, Add</i>	5.51	
			<i>For Work In Restricted Working Space, Add</i>	19.50	
23 31 13 13-0650	LF		26" x 46", 20 Gauge Galvanized Steel Duct	104.64	40.11
			<i>For Flat Oval, Add</i>	5.67	
			<i>For Work In Restricted Working Space, Add</i>	20.05	
23 31 13 13-0651	LF		26" x 48", 20 Gauge Galvanized Steel Duct	107.56	41.22
			<i>For Flat Oval, Add</i>	5.83	
			<i>For Work In Restricted Working Space, Add</i>	20.61	
23 31 13 13-0652	LF		28" x 28", 20 Gauge Galvanized Steel Duct	81.38	31.19
			<i>For Flat Oval, Add</i>	4.41	
			<i>For Work In Restricted Working Space, Add</i>	15.59	
23 31 13 13-0653	LF		28" x 30", 20 Gauge Galvanized Steel Duct	84.29	32.30
			<i>For Flat Oval, Add</i>	4.57	
			<i>For Work In Restricted Working Space, Add</i>	16.15	
23 31 13 13-0654	LF		28" x 32", 20 Gauge Galvanized Steel Duct	87.21	33.42
			<i>For Flat Oval, Add</i>	4.73	
			<i>For Work In Restricted Working Space, Add</i>	16.71	
23 31 13 13-0655	LF		28" x 34", 20 Gauge Galvanized Steel Duct	90.11	34.54
			<i>For Flat Oval, Add</i>	4.88	
			<i>For Work In Restricted Working Space, Add</i>	17.27	
23 31 13 13-0656	LF		28" x 36", 20 Gauge Galvanized Steel Duct	93.03	35.65
			<i>For Flat Oval, Add</i>	5.04	
			<i>For Work In Restricted Working Space, Add</i>	17.83	
23 31 13 13-0657	LF		28" x 38", 20 Gauge Galvanized Steel Duct	95.91	36.77
			<i>For Flat Oval, Add</i>	5.20	
			<i>For Work In Restricted Working Space, Add</i>	18.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0658 LF 28" x 40", 20 Gauge Galvanized Steel Duct	98.83	37.88
For Flat Oval, Add	5.36	
For Work In Restricted Working Space, Add	18.94	
23 31 13 13-0659 LF 28" x 42", 20 Gauge Galvanized Steel Duct	101.75	38.99
For Flat Oval, Add	5.51	
For Work In Restricted Working Space, Add	19.50	
23 31 13 13-0660 LF 28" x 44", 20 Gauge Galvanized Steel Duct	104.64	40.11
For Flat Oval, Add	5.67	
For Work In Restricted Working Space, Add	20.05	
23 31 13 13-0661 LF 28" x 46", 20 Gauge Galvanized Steel Duct	107.56	41.22
For Flat Oval, Add	5.83	
For Work In Restricted Working Space, Add	20.61	
23 31 13 13-0662 LF 28" x 48", 20 Gauge Galvanized Steel Duct	110.44	42.33
For Flat Oval, Add	5.98	
For Work In Restricted Working Space, Add	21.17	
23 31 13 13-0663 LF 30" x 30", 20 Gauge Galvanized Steel Duct	87.21	33.42
For Flat Oval, Add	4.73	
For Work In Restricted Working Space, Add	16.71	
23 31 13 13-0664 LF 30" x 32", 20 Gauge Galvanized Steel Duct	90.11	34.54
For Flat Oval, Add	4.88	
For Work In Restricted Working Space, Add	17.27	
23 31 13 13-0665 LF 30" x 34", 20 Gauge Galvanized Steel Duct	93.03	35.65
For Flat Oval, Add	5.04	
For Work In Restricted Working Space, Add	17.83	
23 31 13 13-0666 LF 30" x 36", 20 Gauge Galvanized Steel Duct	95.91	36.77
For Flat Oval, Add	5.20	
For Work In Restricted Working Space, Add	18.38	
23 31 13 13-0667 LF 30" x 38", 20 Gauge Galvanized Steel Duct	98.83	37.88
For Flat Oval, Add	5.36	
For Work In Restricted Working Space, Add	18.94	
23 31 13 13-0668 LF 30" x 40", 20 Gauge Galvanized Steel Duct	101.75	38.99
For Flat Oval, Add	5.51	
For Work In Restricted Working Space, Add	19.50	
23 31 13 13-0669 LF 30" x 42", 20 Gauge Galvanized Steel Duct	104.64	40.11
For Flat Oval, Add	5.67	
For Work In Restricted Working Space, Add	20.05	
23 31 13 13-0670 LF 30" x 44", 20 Gauge Galvanized Steel Duct	107.56	41.22
For Flat Oval, Add	5.83	
For Work In Restricted Working Space, Add	20.61	
23 31 13 13-0671 LF 30" x 46", 20 Gauge Galvanized Steel Duct	110.44	42.33
For Flat Oval, Add	5.98	
For Work In Restricted Working Space, Add	21.17	
23 31 13 13-0672 LF 30" x 48", 20 Gauge Galvanized Steel Duct	113.36	43.45
For Flat Oval, Add	6.14	
For Work In Restricted Working Space, Add	21.72	
23 31 13 13-0673 LF 32" x 32", 20 Gauge Galvanized Steel Duct	93.03	35.65
For Flat Oval, Add	5.04	
For Work In Restricted Working Space, Add	17.83	
23 31 13 13-0674 LF 32" x 34", 20 Gauge Galvanized Steel Duct	95.91	36.77
For Flat Oval, Add	5.20	
For Work In Restricted Working Space, Add	18.38	
23 31 13 13-0675 LF 32" x 36", 20 Gauge Galvanized Steel Duct	98.83	37.88
For Flat Oval, Add	5.36	
For Work In Restricted Working Space, Add	18.94	
23 31 13 13-0676 LF 32" x 38", 20 Gauge Galvanized Steel Duct	101.75	38.99
For Flat Oval, Add	5.51	
For Work In Restricted Working Space, Add	19.50	
23 31 13 13-0677 LF 32" x 40", 20 Gauge Galvanized Steel Duct	104.64	40.11
For Flat Oval, Add	5.67	
For Work In Restricted Working Space, Add	20.05	
23 31 13 13-0678 LF 32" x 42", 20 Gauge Galvanized Steel Duct	107.56	41.22
For Flat Oval, Add	5.83	
For Work In Restricted Working Space, Add	20.61	
23 31 13 13-0679 LF 32" x 44", 20 Gauge Galvanized Steel Duct	110.44	42.33
For Flat Oval, Add	5.98	
For Work In Restricted Working Space, Add	21.17	
23 31 13 13-0680 LF 32" x 46", 20 Gauge Galvanized Steel Duct	113.36	43.45
For Flat Oval, Add	6.14	
For Work In Restricted Working Space, Add	21.72	
23 31 13 13-0681 LF 32" x 48", 20 Gauge Galvanized Steel Duct	116.28	44.56
For Flat Oval, Add	6.30	
For Work In Restricted Working Space, Add	22.28	
23 31 13 13-0682 LF 34" x 34", 20 Gauge Galvanized Steel Duct	98.83	37.88
For Flat Oval, Add	5.36	
For Work In Restricted Working Space, Add	18.94	
23 31 13 13-0683 LF 34" x 36", 20 Gauge Galvanized Steel Duct	101.75	38.99
For Flat Oval, Add	5.51	
For Work In Restricted Working Space, Add	19.50	
23 31 13 13-0684 LF 34" x 38", 20 Gauge Galvanized Steel Duct	104.64	40.11
For Flat Oval, Add	5.67	
For Work In Restricted Working Space, Add	20.05	
23 31 13 13-0685 LF 34" x 40", 20 Gauge Galvanized Steel Duct	107.56	41.22
For Flat Oval, Add	5.83	
For Work In Restricted Working Space, Add	20.61	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0686	LF	34" x 42", 20 Gauge Galvanized Steel Duct	110.44	42.33
			<i>For Flat Oval, Add</i>	5.98	
			<i>For Work In Restricted Working Space, Add</i>	21.17	
23 31 13	13-0687	LF	34" x 44", 20 Gauge Galvanized Steel Duct	113.36	43.45
			<i>For Flat Oval, Add</i>	6.14	
			<i>For Work In Restricted Working Space, Add</i>	21.72	
23 31 13	13-0688	LF	34" x 46", 20 Gauge Galvanized Steel Duct	116.28	44.56
			<i>For Flat Oval, Add</i>	6.30	
			<i>For Work In Restricted Working Space, Add</i>	22.28	
23 31 13	13-0689	LF	34" x 48", 20 Gauge Galvanized Steel Duct	119.18	45.67
			<i>For Flat Oval, Add</i>	6.46	
			<i>For Work In Restricted Working Space, Add</i>	22.84	
23 31 13	13-0690	LF	36" x 36", 20 Gauge Galvanized Steel Duct	104.64	40.11
			<i>For Flat Oval, Add</i>	5.67	
			<i>For Work In Restricted Working Space, Add</i>	20.05	
23 31 13	13-0691	LF	36" x 38", 20 Gauge Galvanized Steel Duct	107.56	41.22
			<i>For Flat Oval, Add</i>	5.83	
			<i>For Work In Restricted Working Space, Add</i>	20.61	
23 31 13	13-0692	LF	36" x 40", 20 Gauge Galvanized Steel Duct	110.44	42.33
			<i>For Flat Oval, Add</i>	5.98	
			<i>For Work In Restricted Working Space, Add</i>	21.17	
23 31 13	13-0693	LF	36" x 42", 20 Gauge Galvanized Steel Duct	113.36	43.45
			<i>For Flat Oval, Add</i>	6.14	
			<i>For Work In Restricted Working Space, Add</i>	21.72	
23 31 13	13-0694	LF	36" x 44", 20 Gauge Galvanized Steel Duct	116.28	44.56
			<i>For Flat Oval, Add</i>	6.30	
			<i>For Work In Restricted Working Space, Add</i>	22.28	
23 31 13	13-0695	LF	36" x 46", 20 Gauge Galvanized Steel Duct	119.18	45.67
			<i>For Flat Oval, Add</i>	6.46	
			<i>For Work In Restricted Working Space, Add</i>	22.84	
23 31 13	13-0696	LF	36" x 48", 20 Gauge Galvanized Steel Duct	122.09	46.79
			<i>For Flat Oval, Add</i>	6.62	
			<i>For Work In Restricted Working Space, Add</i>	23.40	
23 31 13	13-0697	LF	38" x 38", 20 Gauge Galvanized Steel Duct	110.44	42.33
			<i>For Flat Oval, Add</i>	5.98	
			<i>For Work In Restricted Working Space, Add</i>	21.17	
23 31 13	13-0698	LF	38" x 40", 20 Gauge Galvanized Steel Duct	113.36	43.45
			<i>For Flat Oval, Add</i>	6.14	
			<i>For Work In Restricted Working Space, Add</i>	21.72	
23 31 13	13-0699	LF	38" x 42", 20 Gauge Galvanized Steel Duct	116.28	44.56
			<i>For Flat Oval, Add</i>	6.30	
			<i>For Work In Restricted Working Space, Add</i>	22.28	
23 31 13	13-0700	LF	38" x 44", 20 Gauge Galvanized Steel Duct	119.18	45.67
			<i>For Flat Oval, Add</i>	6.46	
			<i>For Work In Restricted Working Space, Add</i>	22.84	
23 31 13	13-0701	LF	38" x 46", 20 Gauge Galvanized Steel Duct	122.09	46.79
			<i>For Flat Oval, Add</i>	6.62	
			<i>For Work In Restricted Working Space, Add</i>	23.40	
23 31 13	13-0702	LF	38" x 48", 20 Gauge Galvanized Steel Duct	124.99	47.90
			<i>For Flat Oval, Add</i>	6.77	
			<i>For Work In Restricted Working Space, Add</i>	23.95	
23 31 13	13-0703	LF	38" x 50", 20 Gauge Galvanized Steel Duct	127.89	49.02
			<i>For Flat Oval, Add</i>	6.93	
			<i>For Work In Restricted Working Space, Add</i>	24.51	
23 31 13	13-0704	LF	40" x 40", 20 Gauge Galvanized Steel Duct	116.28	44.56
			<i>For Flat Oval, Add</i>	6.30	
			<i>For Work In Restricted Working Space, Add</i>	22.28	
23 31 13	13-0705	LF	40" x 42", 20 Gauge Galvanized Steel Duct	119.18	45.67
			<i>For Flat Oval, Add</i>	6.46	
			<i>For Work In Restricted Working Space, Add</i>	22.84	
23 31 13	13-0706	LF	40" x 44", 20 Gauge Galvanized Steel Duct	122.09	46.79
			<i>For Flat Oval, Add</i>	6.62	
			<i>For Work In Restricted Working Space, Add</i>	23.40	
23 31 13	13-0707	LF	40" x 46", 20 Gauge Galvanized Steel Duct	124.99	47.90
			<i>For Flat Oval, Add</i>	6.77	
			<i>For Work In Restricted Working Space, Add</i>	23.95	
23 31 13	13-0708	LF	40" x 48", 20 Gauge Galvanized Steel Duct	127.89	49.02
			<i>For Flat Oval, Add</i>	6.93	
			<i>For Work In Restricted Working Space, Add</i>	24.51	
23 31 13	13-0709	LF	40" x 50", 20 Gauge Galvanized Steel Duct	130.81	50.14
			<i>For Flat Oval, Add</i>	7.09	
			<i>For Work In Restricted Working Space, Add</i>	25.07	
23 31 13	13-0710	LF	40" x 52", 20 Gauge Galvanized Steel Duct	133.70	51.25
			<i>For Flat Oval, Add</i>	7.24	
			<i>For Work In Restricted Working Space, Add</i>	25.62	
23 31 13	13-0711	LF	40" x 54", 20 Gauge Galvanized Steel Duct	136.62	52.36
			<i>For Flat Oval, Add</i>	7.40	
			<i>For Work In Restricted Working Space, Add</i>	26.18	
23 31 13	13-0712	LF	40" x 56", 20 Gauge Galvanized Steel Duct	139.53	53.48
			<i>For Flat Oval, Add</i>	7.56	
			<i>For Work In Restricted Working Space, Add</i>	26.74	
23 31 13	13-0713	LF	42" x 42", 20 Gauge Galvanized Steel Duct	122.09	46.79
			<i>For Flat Oval, Add</i>	6.62	
			<i>For Work In Restricted Working Space, Add</i>	23.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0714 LF 42" x 44", 20 Gauge Galvanized Steel Duct	124.99	47.90
For Flat Oval, Add	6.77	
For Work In Restricted Working Space, Add	23.95	
23 31 13 13-0715 LF 42" x 46", 20 Gauge Galvanized Steel Duct	127.89	49.02
For Flat Oval, Add	6.93	
For Work In Restricted Working Space, Add	24.51	
23 31 13 13-0716 LF 42" x 48", 20 Gauge Galvanized Steel Duct	130.81	50.14
For Flat Oval, Add	7.09	
For Work In Restricted Working Space, Add	25.07	
23 31 13 13-0717 LF 42" x 50", 20 Gauge Galvanized Steel Duct	133.70	51.25
For Flat Oval, Add	7.24	
For Work In Restricted Working Space, Add	25.62	
23 31 13 13-0718 LF 42" x 52", 20 Gauge Galvanized Steel Duct	136.62	52.36
For Flat Oval, Add	7.40	
For Work In Restricted Working Space, Add	26.18	
23 31 13 13-0719 LF 42" x 54", 20 Gauge Galvanized Steel Duct	139.53	53.48
For Flat Oval, Add	7.56	
For Work In Restricted Working Space, Add	26.74	
23 31 13 13-0720 LF 42" x 56", 20 Gauge Galvanized Steel Duct	142.43	54.59
For Flat Oval, Add	7.72	
For Work In Restricted Working Space, Add	27.29	
23 31 13 13-0721 LF 44" x 44", 20 Gauge Galvanized Steel Duct	127.89	49.02
For Flat Oval, Add	6.93	
For Work In Restricted Working Space, Add	24.51	
23 31 13 13-0722 LF 44" x 46", 20 Gauge Galvanized Steel Duct	130.81	50.14
For Flat Oval, Add	7.09	
For Work In Restricted Working Space, Add	25.07	
23 31 13 13-0723 LF 44" x 48", 20 Gauge Galvanized Steel Duct	133.70	51.25
For Flat Oval, Add	7.24	
For Work In Restricted Working Space, Add	25.62	
23 31 13 13-0724 LF 44" x 50", 20 Gauge Galvanized Steel Duct	136.62	52.36
For Flat Oval, Add	7.40	
For Work In Restricted Working Space, Add	26.18	
23 31 13 13-0725 LF 44" x 52", 20 Gauge Galvanized Steel Duct	139.53	53.48
For Flat Oval, Add	7.56	
For Work In Restricted Working Space, Add	26.74	
23 31 13 13-0726 LF 44" x 54", 20 Gauge Galvanized Steel Duct	142.43	54.59
For Flat Oval, Add	7.72	
For Work In Restricted Working Space, Add	27.29	
23 31 13 13-0727 LF 44" x 56", 20 Gauge Galvanized Steel Duct	145.35	55.70
For Flat Oval, Add	7.88	
For Work In Restricted Working Space, Add	27.85	
23 31 13 13-0728 LF 46" x 46", 20 Gauge Galvanized Steel Duct	133.70	51.25
For Flat Oval, Add	7.24	
For Work In Restricted Working Space, Add	25.62	
23 31 13 13-0729 LF 46" x 48", 20 Gauge Galvanized Steel Duct	136.62	52.36
For Flat Oval, Add	7.40	
For Work In Restricted Working Space, Add	26.18	
23 31 13 13-0730 LF 46" x 50", 20 Gauge Galvanized Steel Duct	139.53	53.48
For Flat Oval, Add	7.56	
For Work In Restricted Working Space, Add	26.74	
23 31 13 13-0731 LF 46" x 52", 20 Gauge Galvanized Steel Duct	142.43	54.59
For Flat Oval, Add	7.72	
For Work In Restricted Working Space, Add	27.29	
23 31 13 13-0732 LF 46" x 54", 20 Gauge Galvanized Steel Duct	145.35	55.70
For Flat Oval, Add	7.88	
For Work In Restricted Working Space, Add	27.85	
23 31 13 13-0733 LF 46" x 56", 20 Gauge Galvanized Steel Duct	148.25	56.81
For Flat Oval, Add	8.03	
For Work In Restricted Working Space, Add	28.41	
23 31 13 13-0734 LF 46" x 58", 20 Gauge Galvanized Steel Duct	151.15	57.93
For Flat Oval, Add	8.19	
For Work In Restricted Working Space, Add	28.97	
23 31 13 13-0735 LF 48" x 48", 20 Gauge Galvanized Steel Duct	139.53	53.48
For Flat Oval, Add	7.56	
For Work In Restricted Working Space, Add	26.74	
23 31 13 13-0736 LF 48" x 50", 20 Gauge Galvanized Steel Duct	142.43	54.59
For Flat Oval, Add	7.72	
For Work In Restricted Working Space, Add	27.29	
23 31 13 13-0737 LF 48" x 52", 20 Gauge Galvanized Steel Duct	145.35	55.70
For Flat Oval, Add	7.88	
For Work In Restricted Working Space, Add	27.85	
23 31 13 13-0738 LF 48" x 54", 20 Gauge Galvanized Steel Duct	148.25	56.81
For Flat Oval, Add	8.03	
For Work In Restricted Working Space, Add	28.41	
23 31 13 13-0739 LF 48" x 56", 20 Gauge Galvanized Steel Duct	151.15	57.93
For Flat Oval, Add	8.19	
For Work In Restricted Working Space, Add	28.97	
23 31 13 13-0740 LF 48" x 58", 20 Gauge Galvanized Steel Duct	154.06	59.04
For Flat Oval, Add	8.35	
For Work In Restricted Working Space, Add	29.52	
23 31 13 13-0741 LF 48" x 60", 20 Gauge Galvanized Steel Duct	156.96	60.15
For Flat Oval, Add	8.51	
For Work In Restricted Working Space, Add	30.08	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13	13-0742	LF 50" x 50", 20 Gauge Galvanized Steel Duct	145.35	55.70
			<i>For Flat Oval, Add</i>	7.88	
			<i>For Work In Restricted Working Space, Add</i>	27.85	
23 31	13	13-0743	LF 50" x 52", 20 Gauge Galvanized Steel Duct	148.25	56.81
			<i>For Flat Oval, Add</i>	8.03	
			<i>For Work In Restricted Working Space, Add</i>	28.41	
23 31	13	13-0744	LF 50" x 54", 20 Gauge Galvanized Steel Duct	151.15	57.93
			<i>For Flat Oval, Add</i>	8.19	
			<i>For Work In Restricted Working Space, Add</i>	28.97	
23 31	13	13-0745	LF 50" x 56", 20 Gauge Galvanized Steel Duct	154.06	59.04
			<i>For Flat Oval, Add</i>	8.35	
			<i>For Work In Restricted Working Space, Add</i>	29.52	
23 31	13	13-0746	LF 50" x 58", 20 Gauge Galvanized Steel Duct	156.96	60.15
			<i>For Flat Oval, Add</i>	8.51	
			<i>For Work In Restricted Working Space, Add</i>	30.08	
23 31	13	13-0747	LF 50" x 60", 20 Gauge Galvanized Steel Duct	159.87	61.27
			<i>For Flat Oval, Add</i>	8.66	
			<i>For Work In Restricted Working Space, Add</i>	30.64	
23 31	13	13-0748	LF 52" x 52", 20 Gauge Galvanized Steel Duct	151.15	57.93
			<i>For Flat Oval, Add</i>	8.19	
			<i>For Work In Restricted Working Space, Add</i>	28.97	
23 31	13	13-0749	LF 52" x 54", 20 Gauge Galvanized Steel Duct	154.06	59.04
			<i>For Flat Oval, Add</i>	8.35	
			<i>For Work In Restricted Working Space, Add</i>	29.52	
23 31	13	13-0750	LF 52" x 56", 20 Gauge Galvanized Steel Duct	156.96	60.15
			<i>For Flat Oval, Add</i>	8.51	
			<i>For Work In Restricted Working Space, Add</i>	30.08	
23 31	13	13-0751	LF 52" x 58", 20 Gauge Galvanized Steel Duct	159.87	61.27
			<i>For Flat Oval, Add</i>	8.66	
			<i>For Work In Restricted Working Space, Add</i>	30.64	
23 31	13	13-0752	LF 52" x 60", 20 Gauge Galvanized Steel Duct	162.79	62.39
			<i>For Flat Oval, Add</i>	8.82	
			<i>For Work In Restricted Working Space, Add</i>	31.19	
23 31	13	13-0753	LF 54" x 54", 20 Gauge Galvanized Steel Duct	156.96	60.15
			<i>For Flat Oval, Add</i>	8.51	
			<i>For Work In Restricted Working Space, Add</i>	30.08	
23 31	13	13-0754	LF 54" x 56", 20 Gauge Galvanized Steel Duct	159.87	61.27
			<i>For Flat Oval, Add</i>	8.66	
			<i>For Work In Restricted Working Space, Add</i>	30.64	
23 31	13	13-0755	LF 54" x 58", 20 Gauge Galvanized Steel Duct	162.79	62.39
			<i>For Flat Oval, Add</i>	8.82	
			<i>For Work In Restricted Working Space, Add</i>	31.19	
23 31	13	13-0756	LF 54" x 60", 20 Gauge Galvanized Steel Duct	165.69	63.50
			<i>For Flat Oval, Add</i>	8.98	
			<i>For Work In Restricted Working Space, Add</i>	31.75	
23 31	13	13-0757	LF 54" x 62", 20 Gauge Galvanized Steel Duct	168.60	64.62
			<i>For Flat Oval, Add</i>	9.14	
			<i>For Work In Restricted Working Space, Add</i>	32.31	
23 31	13	13-0758	LF 54" x 64", 20 Gauge Galvanized Steel Duct	171.48	65.73
			<i>For Flat Oval, Add</i>	9.29	
			<i>For Work In Restricted Working Space, Add</i>	32.86	
23 31	13	13-0759	LF 56" x 56", 20 Gauge Galvanized Steel Duct	162.79	62.39
			<i>For Flat Oval, Add</i>	8.82	
			<i>For Work In Restricted Working Space, Add</i>	31.19	
23 31	13	13-0760	LF 56" x 58", 20 Gauge Galvanized Steel Duct	165.69	63.50
			<i>For Flat Oval, Add</i>	8.98	
			<i>For Work In Restricted Working Space, Add</i>	31.75	
23 31	13	13-0761	LF 56" x 60", 20 Gauge Galvanized Steel Duct	168.60	64.62
			<i>For Flat Oval, Add</i>	9.14	
			<i>For Work In Restricted Working Space, Add</i>	32.31	
23 31	13	13-0762	LF 56" x 62", 20 Gauge Galvanized Steel Duct	171.48	65.73
			<i>For Flat Oval, Add</i>	9.29	
			<i>For Work In Restricted Working Space, Add</i>	32.86	
23 31	13	13-0763	LF 56" x 64", 20 Gauge Galvanized Steel Duct	174.40	66.84
			<i>For Flat Oval, Add</i>	9.45	
			<i>For Work In Restricted Working Space, Add</i>	33.42	
23 31	13	13-0764	LF 58" x 58", 20 Gauge Galvanized Steel Duct	168.60	64.62
			<i>For Flat Oval, Add</i>	9.14	
			<i>For Work In Restricted Working Space, Add</i>	32.31	
23 31	13	13-0765	LF 58" x 60", 20 Gauge Galvanized Steel Duct	171.48	65.73
			<i>For Flat Oval, Add</i>	9.29	
			<i>For Work In Restricted Working Space, Add</i>	32.86	
23 31	13	13-0766	LF 58" x 62", 20 Gauge Galvanized Steel Duct	174.40	66.84
			<i>For Flat Oval, Add</i>	9.45	
			<i>For Work In Restricted Working Space, Add</i>	33.42	
23 31	13	13-0767	LF 58" x 64", 20 Gauge Galvanized Steel Duct	177.32	67.96
			<i>For Flat Oval, Add</i>	9.61	
			<i>For Work In Restricted Working Space, Add</i>	33.98	
23 31	13	13-0768	LF 58" x 66", 20 Gauge Galvanized Steel Duct	180.22	69.07
			<i>For Flat Oval, Add</i>	9.77	
			<i>For Work In Restricted Working Space, Add</i>	34.54	
23 31	13	13-0769	LF 60" x 60", 20 Gauge Galvanized Steel Duct	174.40	66.84
			<i>For Flat Oval, Add</i>	9.45	
			<i>For Work In Restricted Working Space, Add</i>	33.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0770 LF 60" x 62", 20 Gauge Galvanized Steel Duct	177.32	67.96
For Flat Oval, Add	9.61	
For Work In Restricted Working Space, Add	33.98	
23 31 13 13-0771 LF 60" x 64", 20 Gauge Galvanized Steel Duct	180.22	69.07
For Flat Oval, Add	9.77	
For Work In Restricted Working Space, Add	34.54	
23 31 13 13-0772 LF 60" x 66", 20 Gauge Galvanized Steel Duct	183.13	70.18
For Flat Oval, Add	9.92	
For Work In Restricted Working Space, Add	35.09	
23 31 13 13-0773 LF 60" x 68", 20 Gauge Galvanized Steel Duct	186.04	71.30
For Flat Oval, Add	10.08	
For Work In Restricted Working Space, Add	35.65	
23 31 13 13-0774 LF 62" x 62", 20 Gauge Galvanized Steel Duct	180.22	69.07
For Flat Oval, Add	9.77	
For Work In Restricted Working Space, Add	34.54	
23 31 13 13-0775 LF 62" x 64", 20 Gauge Galvanized Steel Duct	183.13	70.18
For Flat Oval, Add	9.92	
For Work In Restricted Working Space, Add	35.09	
23 31 13 13-0776 LF 62" x 66", 20 Gauge Galvanized Steel Duct	186.04	71.30
For Flat Oval, Add	10.08	
For Work In Restricted Working Space, Add	35.65	
23 31 13 13-0777 LF 62" x 68", 20 Gauge Galvanized Steel Duct	188.94	72.41
For Flat Oval, Add	10.24	
For Work In Restricted Working Space, Add	36.21	
23 31 13 13-0778 LF 62" x 70", 20 Gauge Galvanized Steel Duct	191.86	73.52
For Flat Oval, Add	10.40	
For Work In Restricted Working Space, Add	36.77	
23 31 13 13-0779 LF 64" x 64", 20 Gauge Galvanized Steel Duct	186.04	71.30
For Flat Oval, Add	10.08	
For Work In Restricted Working Space, Add	35.65	
23 31 13 13-0780 LF 64" x 66", 20 Gauge Galvanized Steel Duct	188.94	72.41
For Flat Oval, Add	10.24	
For Work In Restricted Working Space, Add	36.21	
23 31 13 13-0781 LF 64" x 68", 20 Gauge Galvanized Steel Duct	191.86	73.52
For Flat Oval, Add	10.40	
For Work In Restricted Working Space, Add	36.77	
23 31 13 13-0782 LF 64" x 70", 20 Gauge Galvanized Steel Duct	194.75	74.64
For Flat Oval, Add	10.55	
For Work In Restricted Working Space, Add	37.32	
23 31 13 13-0783 LF 66" x 66", 20 Gauge Galvanized Steel Duct	191.86	73.52
For Flat Oval, Add	10.40	
For Work In Restricted Working Space, Add	36.77	
23 31 13 13-0784 LF 66" x 68", 20 Gauge Galvanized Steel Duct	194.75	74.64
For Flat Oval, Add	10.55	
For Work In Restricted Working Space, Add	37.32	
23 31 13 13-0785 LF 66" x 70", 20 Gauge Galvanized Steel Duct	197.65	75.76
For Flat Oval, Add	10.71	
For Work In Restricted Working Space, Add	37.88	
23 31 13 13-0786 LF 66" x 72", 20 Gauge Galvanized Steel Duct	200.57	76.87
For Flat Oval, Add	10.87	
For Work In Restricted Working Space, Add	38.43	
23 31 13 13-0787 LF 68" x 68", 20 Gauge Galvanized Steel Duct	197.65	75.76
For Flat Oval, Add	10.71	
For Work In Restricted Working Space, Add	37.88	
23 31 13 13-0788 LF 68" x 70", 20 Gauge Galvanized Steel Duct	200.57	76.87
For Flat Oval, Add	10.87	
For Work In Restricted Working Space, Add	38.43	
23 31 13 13-0789 LF 68" x 72", 20 Gauge Galvanized Steel Duct	203.47	77.99
For Flat Oval, Add	11.03	
For Work In Restricted Working Space, Add	38.99	
23 31 13 13-0790 LF 68" x 74", 20 Gauge Galvanized Steel Duct	206.39	79.10
For Flat Oval, Add	11.18	
For Work In Restricted Working Space, Add	39.55	
23 31 13 13-0791 LF 70" x 70", 20 Gauge Galvanized Steel Duct	203.47	77.99
For Flat Oval, Add	11.03	
For Work In Restricted Working Space, Add	38.99	
23 31 13 13-0792 LF 70" x 72", 20 Gauge Galvanized Steel Duct	206.39	79.10
For Flat Oval, Add	11.18	
For Work In Restricted Working Space, Add	39.55	
23 31 13 13-0793 LF 70" x 74", 20 Gauge Galvanized Steel Duct	209.30	80.21
For Flat Oval, Add	11.34	
For Work In Restricted Working Space, Add	40.11	
23 31 13 13-0794 LF 70" x 76", 20 Gauge Galvanized Steel Duct	212.20	81.33
For Flat Oval, Add	11.50	
For Work In Restricted Working Space, Add	40.67	
23 31 13 13-0795 LF 70" x 78", 20 Gauge Galvanized Steel Duct	215.10	82.44
For Flat Oval, Add	11.66	
For Work In Restricted Working Space, Add	41.22	
23 31 13 13-0796 LF 70" x 80", 20 Gauge Galvanized Steel Duct	218.00	83.55
For Flat Oval, Add	11.81	
For Work In Restricted Working Space, Add	41.78	
23 31 13 13-0797 LF 70" x 82", 20 Gauge Galvanized Steel Duct	220.92	84.67
For Flat Oval, Add	11.97	
For Work In Restricted Working Space, Add	42.33	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0798	LF	70" x 84", 20 Gauge Galvanized Steel Duct	223.83	85.78
			<i>For Flat Oval, Add</i>	12.13	
			<i>For Work In Restricted Working Space, Add</i>	42.89	
23 31 13	13-0799	LF	72" x 72", 20 Gauge Galvanized Steel Duct	209.30	80.21
			<i>For Flat Oval, Add</i>	11.34	
			<i>For Work In Restricted Working Space, Add</i>	40.11	
23 31 13	13-0800	LF	72" x 74", 20 Gauge Galvanized Steel Duct	212.20	81.33
			<i>For Flat Oval, Add</i>	11.50	
			<i>For Work In Restricted Working Space, Add</i>	40.67	
23 31 13	13-0801	LF	72" x 76", 20 Gauge Galvanized Steel Duct	215.10	82.44
			<i>For Flat Oval, Add</i>	11.66	
			<i>For Work In Restricted Working Space, Add</i>	41.22	
23 31 13	13-0802	LF	72" x 78", 20 Gauge Galvanized Steel Duct	218.00	83.55
			<i>For Flat Oval, Add</i>	11.81	
			<i>For Work In Restricted Working Space, Add</i>	41.78	
23 31 13	13-0803	LF	72" x 80", 20 Gauge Galvanized Steel Duct	220.92	84.67
			<i>For Flat Oval, Add</i>	11.97	
			<i>For Work In Restricted Working Space, Add</i>	42.33	
23 31 13	13-0804	LF	72" x 82", 20 Gauge Galvanized Steel Duct	223.83	85.78
			<i>For Flat Oval, Add</i>	12.13	
			<i>For Work In Restricted Working Space, Add</i>	42.89	
23 31 13	13-0805	LF	72" x 84", 20 Gauge Galvanized Steel Duct	226.73	86.89
			<i>For Flat Oval, Add</i>	12.29	
			<i>For Work In Restricted Working Space, Add</i>	43.45	
23 31 13	13-0806	LF	74" x 74", 20 Gauge Galvanized Steel Duct	215.10	82.44
			<i>For Flat Oval, Add</i>	11.66	
			<i>For Work In Restricted Working Space, Add</i>	41.22	
23 31 13	13-0807	LF	74" x 76", 20 Gauge Galvanized Steel Duct	218.00	83.55
			<i>For Flat Oval, Add</i>	11.81	
			<i>For Work In Restricted Working Space, Add</i>	41.78	
23 31 13	13-0808	LF	74" x 78", 20 Gauge Galvanized Steel Duct	220.92	84.67
			<i>For Flat Oval, Add</i>	11.97	
			<i>For Work In Restricted Working Space, Add</i>	42.33	
23 31 13	13-0809	LF	74" x 80", 20 Gauge Galvanized Steel Duct	223.83	85.78
			<i>For Flat Oval, Add</i>	12.13	
			<i>For Work In Restricted Working Space, Add</i>	42.89	
23 31 13	13-0810	LF	74" x 82", 20 Gauge Galvanized Steel Duct	226.73	86.89
			<i>For Flat Oval, Add</i>	12.29	
			<i>For Work In Restricted Working Space, Add</i>	43.45	
23 31 13	13-0811	LF	74" x 84", 20 Gauge Galvanized Steel Duct	229.64	88.01
			<i>For Flat Oval, Add</i>	12.44	
			<i>For Work In Restricted Working Space, Add</i>	44.00	
23 31 13	13-0812	LF	76" x 76", 20 Gauge Galvanized Steel Duct	220.92	84.67
			<i>For Flat Oval, Add</i>	11.97	
			<i>For Work In Restricted Working Space, Add</i>	42.33	
23 31 13	13-0813	LF	76" x 78", 20 Gauge Galvanized Steel Duct	223.83	85.78
			<i>For Flat Oval, Add</i>	12.13	
			<i>For Work In Restricted Working Space, Add</i>	42.89	
23 31 13	13-0814	LF	76" x 80", 20 Gauge Galvanized Steel Duct	226.73	86.89
			<i>For Flat Oval, Add</i>	12.29	
			<i>For Work In Restricted Working Space, Add</i>	43.45	
23 31 13	13-0815	LF	76" x 82", 20 Gauge Galvanized Steel Duct	229.64	88.01
			<i>For Flat Oval, Add</i>	12.44	
			<i>For Work In Restricted Working Space, Add</i>	44.00	
23 31 13	13-0816	LF	76" x 84", 20 Gauge Galvanized Steel Duct	232.54	89.12
			<i>For Flat Oval, Add</i>	12.60	
			<i>For Work In Restricted Working Space, Add</i>	44.56	
23 31 13	13-0817	LF	78" x 78", 20 Gauge Galvanized Steel Duct	226.73	86.89
			<i>For Flat Oval, Add</i>	12.29	
			<i>For Work In Restricted Working Space, Add</i>	43.45	
23 31 13	13-0818	LF	78" x 80", 20 Gauge Galvanized Steel Duct	229.64	88.01
			<i>For Flat Oval, Add</i>	12.44	
			<i>For Work In Restricted Working Space, Add</i>	44.00	
23 31 13	13-0819	LF	78" x 82", 20 Gauge Galvanized Steel Duct	232.54	89.12
			<i>For Flat Oval, Add</i>	12.60	
			<i>For Work In Restricted Working Space, Add</i>	44.56	
23 31 13	13-0820	LF	78" x 84", 20 Gauge Galvanized Steel Duct	235.45	90.24
			<i>For Flat Oval, Add</i>	12.76	
			<i>For Work In Restricted Working Space, Add</i>	45.12	
23 31 13	13-0821	LF	80" x 80", 20 Gauge Galvanized Steel Duct	232.54	89.12
			<i>For Flat Oval, Add</i>	12.60	
			<i>For Work In Restricted Working Space, Add</i>	44.56	
23 31 13	13-0822	LF	80" x 82", 20 Gauge Galvanized Steel Duct	235.45	90.24
			<i>For Flat Oval, Add</i>	12.76	
			<i>For Work In Restricted Working Space, Add</i>	45.12	
23 31 13	13-0823	LF	80" x 84", 20 Gauge Galvanized Steel Duct	238.36	91.35
			<i>For Flat Oval, Add</i>	12.92	
			<i>For Work In Restricted Working Space, Add</i>	45.68	
23 31 13	13-0824	LF	82" x 82", 20 Gauge Galvanized Steel Duct	238.36	91.35
			<i>For Flat Oval, Add</i>	12.92	
			<i>For Work In Restricted Working Space, Add</i>	45.68	
23 31 13	13-0825	LF	82" x 84", 20 Gauge Galvanized Steel Duct	241.26	92.47
			<i>For Flat Oval, Add</i>	13.07	
			<i>For Work In Restricted Working Space, Add</i>	46.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0826 LF 84" x 84", 20 Gauge Galvanized Steel Duct	244.17	93.58
<i>For Flat Oval, Add</i>	13.23	
<i>For Work In Restricted Working Space, Add</i>	46.79	
23 31 13 13-0827 18 Gauge Galvanized Steel Duct <small>(23 31 13 13-0009)</small>		
23 31 13 13-0828 LF 4" x 4", 18 Gauge Galvanized Steel Duct	15.14	5.81
<i>For Flat Oval, Add</i>	0.82	
<i>For Work In Restricted Working Space, Add</i>	2.90	
23 31 13 13-0829 LF 4" x 6", 18 Gauge Galvanized Steel Duct	18.93	7.25
<i>For Flat Oval, Add</i>	1.03	
<i>For Work In Restricted Working Space, Add</i>	3.63	
23 31 13 13-0830 LF 4" x 8", 18 Gauge Galvanized Steel Duct	22.70	8.70
<i>For Flat Oval, Add</i>	1.23	
<i>For Work In Restricted Working Space, Add</i>	4.35	
23 31 13 13-0831 LF 4" x 10", 18 Gauge Galvanized Steel Duct	26.48	10.15
<i>For Flat Oval, Add</i>	1.43	
<i>For Work In Restricted Working Space, Add</i>	5.08	
23 31 13 13-0832 LF 4" x 12", 18 Gauge Galvanized Steel Duct	30.28	11.60
<i>For Flat Oval, Add</i>	1.64	
<i>For Work In Restricted Working Space, Add</i>	5.80	
23 31 13 13-0833 LF 4" x 14", 18 Gauge Galvanized Steel Duct	34.06	13.06
<i>For Flat Oval, Add</i>	1.85	
<i>For Work In Restricted Working Space, Add</i>	6.53	
23 31 13 13-0834 LF 4" x 16", 18 Gauge Galvanized Steel Duct	37.84	14.50
<i>For Flat Oval, Add</i>	2.05	
<i>For Work In Restricted Working Space, Add</i>	7.25	
23 31 13 13-0835 LF 6" x 6", 18 Gauge Galvanized Steel Duct	22.70	8.70
<i>For Flat Oval, Add</i>	1.23	
<i>For Work In Restricted Working Space, Add</i>	4.35	
23 31 13 13-0836 LF 6" x 8", 18 Gauge Galvanized Steel Duct	26.48	10.15
<i>For Flat Oval, Add</i>	1.43	
<i>For Work In Restricted Working Space, Add</i>	5.08	
23 31 13 13-0837 LF 6" x 10", 18 Gauge Galvanized Steel Duct	30.28	11.60
<i>For Flat Oval, Add</i>	1.64	
<i>For Work In Restricted Working Space, Add</i>	5.80	
23 31 13 13-0838 LF 6" x 12", 18 Gauge Galvanized Steel Duct	34.06	13.06
<i>For Flat Oval, Add</i>	1.85	
<i>For Work In Restricted Working Space, Add</i>	6.53	
23 31 13 13-0839 LF 6" x 14", 18 Gauge Galvanized Steel Duct	37.84	14.50
<i>For Flat Oval, Add</i>	2.05	
<i>For Work In Restricted Working Space, Add</i>	7.25	
23 31 13 13-0840 LF 6" x 16", 18 Gauge Galvanized Steel Duct	41.62	15.95
<i>For Flat Oval, Add</i>	2.25	
<i>For Work In Restricted Working Space, Add</i>	7.98	
23 31 13 13-0841 LF 8" x 8", 18 Gauge Galvanized Steel Duct	30.28	11.60
<i>For Flat Oval, Add</i>	1.64	
<i>For Work In Restricted Working Space, Add</i>	5.80	
23 31 13 13-0842 LF 8" x 10", 18 Gauge Galvanized Steel Duct	34.06	13.06
<i>For Flat Oval, Add</i>	1.85	
<i>For Work In Restricted Working Space, Add</i>	6.53	
23 31 13 13-0843 LF 8" x 12", 18 Gauge Galvanized Steel Duct	37.84	14.50
<i>For Flat Oval, Add</i>	2.05	
<i>For Work In Restricted Working Space, Add</i>	7.25	
23 31 13 13-0844 LF 8" x 14", 18 Gauge Galvanized Steel Duct	41.62	15.95
<i>For Flat Oval, Add</i>	2.25	
<i>For Work In Restricted Working Space, Add</i>	7.98	
23 31 13 13-0845 LF 8" x 16", 18 Gauge Galvanized Steel Duct	45.41	17.41
<i>For Flat Oval, Add</i>	2.46	
<i>For Work In Restricted Working Space, Add</i>	8.70	
23 31 13 13-0846 LF 8" x 18", 18 Gauge Galvanized Steel Duct	49.20	18.85
<i>For Flat Oval, Add</i>	2.67	
<i>For Work In Restricted Working Space, Add</i>	9.43	
23 31 13 13-0847 LF 8" x 20", 18 Gauge Galvanized Steel Duct	52.98	20.31
<i>For Flat Oval, Add</i>	2.87	
<i>For Work In Restricted Working Space, Add</i>	10.15	
23 31 13 13-0848 LF 8" x 22", 18 Gauge Galvanized Steel Duct	56.77	21.75
<i>For Flat Oval, Add</i>	3.08	
<i>For Work In Restricted Working Space, Add</i>	10.88	
23 31 13 13-0849 LF 8" x 24", 18 Gauge Galvanized Steel Duct	60.55	23.21
<i>For Flat Oval, Add</i>	3.28	
<i>For Work In Restricted Working Space, Add</i>	11.60	
23 31 13 13-0850 LF 10" x 10", 18 Gauge Galvanized Steel Duct	37.84	14.50
<i>For Flat Oval, Add</i>	2.05	
<i>For Work In Restricted Working Space, Add</i>	7.25	
23 31 13 13-0851 LF 10" x 12", 18 Gauge Galvanized Steel Duct	41.62	15.95
<i>For Flat Oval, Add</i>	2.25	
<i>For Work In Restricted Working Space, Add</i>	7.98	
23 31 13 13-0852 LF 10" x 14", 18 Gauge Galvanized Steel Duct	45.41	17.41
<i>For Flat Oval, Add</i>	2.46	
<i>For Work In Restricted Working Space, Add</i>	8.70	
23 31 13 13-0853 LF 10" x 16", 18 Gauge Galvanized Steel Duct	49.20	18.85
<i>For Flat Oval, Add</i>	2.67	
<i>For Work In Restricted Working Space, Add</i>	9.43	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0854	LF	10" x 18", 18 Gauge Galvanized Steel Duct	52.98	20.31
			<i>For Flat Oval, Add</i>	2.87	
			<i>For Work In Restricted Working Space, Add</i>	10.15	
23 31 13	13-0855	LF	10" x 20", 18 Gauge Galvanized Steel Duct	56.77	21.75
			<i>For Flat Oval, Add</i>	3.08	
			<i>For Work In Restricted Working Space, Add</i>	10.88	
23 31 13	13-0856	LF	10" x 22", 18 Gauge Galvanized Steel Duct	60.55	23.21
			<i>For Flat Oval, Add</i>	3.28	
			<i>For Work In Restricted Working Space, Add</i>	11.60	
23 31 13	13-0857	LF	10" x 24", 18 Gauge Galvanized Steel Duct	64.33	24.66
			<i>For Flat Oval, Add</i>	3.48	
			<i>For Work In Restricted Working Space, Add</i>	12.33	
23 31 13	13-0858	LF	10" x 26", 18 Gauge Galvanized Steel Duct	68.13	26.10
			<i>For Flat Oval, Add</i>	3.69	
			<i>For Work In Restricted Working Space, Add</i>	13.05	
23 31 13	13-0859	LF	10" x 28", 18 Gauge Galvanized Steel Duct	71.91	27.56
			<i>For Flat Oval, Add</i>	3.90	
			<i>For Work In Restricted Working Space, Add</i>	13.78	
23 31 13	13-0860	LF	10" x 30", 18 Gauge Galvanized Steel Duct	75.69	29.01
			<i>For Flat Oval, Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	14.51	
23 31 13	13-0861	LF	10" x 32", 18 Gauge Galvanized Steel Duct	79.46	30.46
			<i>For Flat Oval, Add</i>	4.31	
			<i>For Work In Restricted Working Space, Add</i>	15.23	
23 31 13	13-0862	LF	12" x 12", 18 Gauge Galvanized Steel Duct	45.41	17.41
			<i>For Flat Oval, Add</i>	2.46	
			<i>For Work In Restricted Working Space, Add</i>	8.70	
23 31 13	13-0863	LF	12" x 14", 18 Gauge Galvanized Steel Duct	49.20	18.85
			<i>For Flat Oval, Add</i>	2.67	
			<i>For Work In Restricted Working Space, Add</i>	9.43	
23 31 13	13-0864	LF	12" x 16", 18 Gauge Galvanized Steel Duct	52.98	20.31
			<i>For Flat Oval, Add</i>	2.87	
			<i>For Work In Restricted Working Space, Add</i>	10.15	
23 31 13	13-0865	LF	12" x 18", 18 Gauge Galvanized Steel Duct	56.77	21.75
			<i>For Flat Oval, Add</i>	3.08	
			<i>For Work In Restricted Working Space, Add</i>	10.88	
23 31 13	13-0866	LF	12" x 20", 18 Gauge Galvanized Steel Duct	60.55	23.21
			<i>For Flat Oval, Add</i>	3.28	
			<i>For Work In Restricted Working Space, Add</i>	11.60	
23 31 13	13-0867	LF	12" x 22", 18 Gauge Galvanized Steel Duct	64.33	24.66
			<i>For Flat Oval, Add</i>	3.48	
			<i>For Work In Restricted Working Space, Add</i>	12.33	
23 31 13	13-0868	LF	12" x 24", 18 Gauge Galvanized Steel Duct	68.13	26.10
			<i>For Flat Oval, Add</i>	3.69	
			<i>For Work In Restricted Working Space, Add</i>	13.05	
23 31 13	13-0869	LF	12" x 26", 18 Gauge Galvanized Steel Duct	71.91	27.56
			<i>For Flat Oval, Add</i>	3.90	
			<i>For Work In Restricted Working Space, Add</i>	13.78	
23 31 13	13-0870	LF	12" x 28", 18 Gauge Galvanized Steel Duct	75.69	29.01
			<i>For Flat Oval, Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	14.51	
23 31 13	13-0871	LF	12" x 30", 18 Gauge Galvanized Steel Duct	79.46	30.46
			<i>For Flat Oval, Add</i>	4.31	
			<i>For Work In Restricted Working Space, Add</i>	15.23	
23 31 13	13-0872	LF	12" x 32", 18 Gauge Galvanized Steel Duct	83.26	31.91
			<i>For Flat Oval, Add</i>	4.51	
			<i>For Work In Restricted Working Space, Add</i>	15.96	
23 31 13	13-0873	LF	12" x 34", 18 Gauge Galvanized Steel Duct	87.05	33.36
			<i>For Flat Oval, Add</i>	4.72	
			<i>For Work In Restricted Working Space, Add</i>	16.68	
23 31 13	13-0874	LF	12" x 36", 18 Gauge Galvanized Steel Duct	90.82	34.81
			<i>For Flat Oval, Add</i>	4.92	
			<i>For Work In Restricted Working Space, Add</i>	17.40	
23 31 13	13-0875	LF	14" x 14", 18 Gauge Galvanized Steel Duct	52.98	20.31
			<i>For Flat Oval, Add</i>	2.87	
			<i>For Work In Restricted Working Space, Add</i>	10.15	
23 31 13	13-0876	LF	14" x 16", 18 Gauge Galvanized Steel Duct	56.77	21.75
			<i>For Flat Oval, Add</i>	3.08	
			<i>For Work In Restricted Working Space, Add</i>	10.88	
23 31 13	13-0877	LF	14" x 18", 18 Gauge Galvanized Steel Duct	60.55	23.21
			<i>For Flat Oval, Add</i>	3.28	
			<i>For Work In Restricted Working Space, Add</i>	11.60	
23 31 13	13-0878	LF	14" x 20", 18 Gauge Galvanized Steel Duct	64.33	24.66
			<i>For Flat Oval, Add</i>	3.48	
			<i>For Work In Restricted Working Space, Add</i>	12.33	
23 31 13	13-0879	LF	14" x 22", 18 Gauge Galvanized Steel Duct	68.13	26.10
			<i>For Flat Oval, Add</i>	3.69	
			<i>For Work In Restricted Working Space, Add</i>	13.05	
23 31 13	13-0880	LF	14" x 24", 18 Gauge Galvanized Steel Duct	71.91	27.56
			<i>For Flat Oval, Add</i>	3.90	
			<i>For Work In Restricted Working Space, Add</i>	13.78	
23 31 13	13-0881	LF	14" x 26", 18 Gauge Galvanized Steel Duct	75.69	29.01
			<i>For Flat Oval, Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	14.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0882 LF 14" x 28", 18 Gauge Galvanized Steel Duct	79.46	30.46
For Flat Oval, Add	4.31	
For Work In Restricted Working Space, Add	15.23	
23 31 13 13-0883 LF 14" x 30", 18 Gauge Galvanized Steel Duct	83.26	31.91
For Flat Oval, Add	4.51	
For Work In Restricted Working Space, Add	15.96	
23 31 13 13-0884 LF 14" x 32", 18 Gauge Galvanized Steel Duct	87.05	33.36
For Flat Oval, Add	4.72	
For Work In Restricted Working Space, Add	16.68	
23 31 13 13-0885 LF 14" x 34", 18 Gauge Galvanized Steel Duct	90.82	34.81
For Flat Oval, Add	4.92	
For Work In Restricted Working Space, Add	17.40	
23 31 13 13-0886 LF 14" x 36", 18 Gauge Galvanized Steel Duct	94.62	36.26
For Flat Oval, Add	5.13	
For Work In Restricted Working Space, Add	18.13	
23 31 13 13-0887 LF 16" x 16", 18 Gauge Galvanized Steel Duct	60.55	23.21
For Flat Oval, Add	3.28	
For Work In Restricted Working Space, Add	11.60	
23 31 13 13-0888 LF 16" x 18", 18 Gauge Galvanized Steel Duct	64.33	24.66
For Flat Oval, Add	3.48	
For Work In Restricted Working Space, Add	12.33	
23 31 13 13-0889 LF 16" x 20", 18 Gauge Galvanized Steel Duct	68.13	26.10
For Flat Oval, Add	3.69	
For Work In Restricted Working Space, Add	13.05	
23 31 13 13-0890 LF 16" x 22", 18 Gauge Galvanized Steel Duct	71.91	27.56
For Flat Oval, Add	3.90	
For Work In Restricted Working Space, Add	13.78	
23 31 13 13-0891 LF 16" x 24", 18 Gauge Galvanized Steel Duct	75.69	29.01
For Flat Oval, Add	4.10	
For Work In Restricted Working Space, Add	14.51	
23 31 13 13-0892 LF 16" x 26", 18 Gauge Galvanized Steel Duct	79.46	30.46
For Flat Oval, Add	4.31	
For Work In Restricted Working Space, Add	15.23	
23 31 13 13-0893 LF 16" x 28", 18 Gauge Galvanized Steel Duct	83.26	31.91
For Flat Oval, Add	4.51	
For Work In Restricted Working Space, Add	15.96	
23 31 13 13-0894 LF 16" x 30", 18 Gauge Galvanized Steel Duct	87.05	33.36
For Flat Oval, Add	4.72	
For Work In Restricted Working Space, Add	16.68	
23 31 13 13-0895 LF 16" x 32", 18 Gauge Galvanized Steel Duct	90.82	34.81
For Flat Oval, Add	4.92	
For Work In Restricted Working Space, Add	17.40	
23 31 13 13-0896 LF 16" x 34", 18 Gauge Galvanized Steel Duct	94.62	36.26
For Flat Oval, Add	5.13	
For Work In Restricted Working Space, Add	18.13	
23 31 13 13-0897 LF 16" x 36", 18 Gauge Galvanized Steel Duct	98.39	37.71
For Flat Oval, Add	5.33	
For Work In Restricted Working Space, Add	18.86	
23 31 13 13-0898 LF 16" x 38", 18 Gauge Galvanized Steel Duct	102.16	39.16
For Flat Oval, Add	5.54	
For Work In Restricted Working Space, Add	19.58	
23 31 13 13-0899 LF 16" x 40", 18 Gauge Galvanized Steel Duct	105.98	40.61
For Flat Oval, Add	5.74	
For Work In Restricted Working Space, Add	20.31	
23 31 13 13-0900 LF 16" x 42", 18 Gauge Galvanized Steel Duct	109.75	42.06
For Flat Oval, Add	5.95	
For Work In Restricted Working Space, Add	21.03	
23 31 13 13-0901 LF 16" x 44", 18 Gauge Galvanized Steel Duct	113.53	43.51
For Flat Oval, Add	6.15	
For Work In Restricted Working Space, Add	21.76	
23 31 13 13-0902 LF 18" x 18", 18 Gauge Galvanized Steel Duct	68.13	26.10
For Flat Oval, Add	3.69	
For Work In Restricted Working Space, Add	13.05	
23 31 13 13-0903 LF 18" x 20", 18 Gauge Galvanized Steel Duct	71.91	27.56
For Flat Oval, Add	3.90	
For Work In Restricted Working Space, Add	13.78	
23 31 13 13-0904 LF 18" x 22", 18 Gauge Galvanized Steel Duct	75.69	29.01
For Flat Oval, Add	4.10	
For Work In Restricted Working Space, Add	14.51	
23 31 13 13-0905 LF 18" x 24", 18 Gauge Galvanized Steel Duct	79.46	30.46
For Flat Oval, Add	4.31	
For Work In Restricted Working Space, Add	15.23	
23 31 13 13-0906 LF 18" x 26", 18 Gauge Galvanized Steel Duct	83.26	31.91
For Flat Oval, Add	4.51	
For Work In Restricted Working Space, Add	15.96	
23 31 13 13-0907 LF 18" x 28", 18 Gauge Galvanized Steel Duct	87.05	33.36
For Flat Oval, Add	4.72	
For Work In Restricted Working Space, Add	16.68	
23 31 13 13-0908 LF 18" x 30", 18 Gauge Galvanized Steel Duct	90.82	34.81
For Flat Oval, Add	4.92	
For Work In Restricted Working Space, Add	17.40	
23 31 13 13-0909 LF 18" x 32", 18 Gauge Galvanized Steel Duct	94.62	36.26
For Flat Oval, Add	5.13	
For Work In Restricted Working Space, Add	18.13	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0910	LF	18" x 34", 18 Gauge Galvanized Steel Duct	98.39	37.71
			<i>For Flat Oval, Add</i>	5.33	
			<i>For Work In Restricted Working Space, Add</i>	18.86	
23 31	13 13-0911	LF	18" x 36", 18 Gauge Galvanized Steel Duct	102.16	39.16
			<i>For Flat Oval, Add</i>	5.54	
			<i>For Work In Restricted Working Space, Add</i>	19.58	
23 31	13 13-0912	LF	18" x 38", 18 Gauge Galvanized Steel Duct	105.98	40.61
			<i>For Flat Oval, Add</i>	5.74	
			<i>For Work In Restricted Working Space, Add</i>	20.31	
23 31	13 13-0913	LF	18" x 40", 18 Gauge Galvanized Steel Duct	109.75	42.06
			<i>For Flat Oval, Add</i>	5.95	
			<i>For Work In Restricted Working Space, Add</i>	21.03	
23 31	13 13-0914	LF	18" x 42", 18 Gauge Galvanized Steel Duct	113.53	43.51
			<i>For Flat Oval, Add</i>	6.15	
			<i>For Work In Restricted Working Space, Add</i>	21.76	
23 31	13 13-0915	LF	18" x 44", 18 Gauge Galvanized Steel Duct	117.31	44.97
			<i>For Flat Oval, Add</i>	6.36	
			<i>For Work In Restricted Working Space, Add</i>	22.48	
23 31	13 13-0916	LF	18" x 46", 18 Gauge Galvanized Steel Duct	121.11	46.41
			<i>For Flat Oval, Add</i>	6.56	
			<i>For Work In Restricted Working Space, Add</i>	23.21	
23 31	13 13-0917	LF	20" x 20", 18 Gauge Galvanized Steel Duct	75.69	29.01
			<i>For Flat Oval, Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	14.51	
23 31	13 13-0918	LF	20" x 22", 18 Gauge Galvanized Steel Duct	79.46	30.46
			<i>For Flat Oval, Add</i>	4.31	
			<i>For Work In Restricted Working Space, Add</i>	15.23	
23 31	13 13-0919	LF	20" x 24", 18 Gauge Galvanized Steel Duct	83.26	31.91
			<i>For Flat Oval, Add</i>	4.51	
			<i>For Work In Restricted Working Space, Add</i>	15.96	
23 31	13 13-0920	LF	20" x 26", 18 Gauge Galvanized Steel Duct	87.05	33.36
			<i>For Flat Oval, Add</i>	4.72	
			<i>For Work In Restricted Working Space, Add</i>	16.68	
23 31	13 13-0921	LF	20" x 28", 18 Gauge Galvanized Steel Duct	90.82	34.81
			<i>For Flat Oval, Add</i>	4.92	
			<i>For Work In Restricted Working Space, Add</i>	17.40	
23 31	13 13-0922	LF	20" x 30", 18 Gauge Galvanized Steel Duct	94.62	36.26
			<i>For Flat Oval, Add</i>	5.13	
			<i>For Work In Restricted Working Space, Add</i>	18.13	
23 31	13 13-0923	LF	20" x 32", 18 Gauge Galvanized Steel Duct	98.39	37.71
			<i>For Flat Oval, Add</i>	5.33	
			<i>For Work In Restricted Working Space, Add</i>	18.86	
23 31	13 13-0924	LF	20" x 34", 18 Gauge Galvanized Steel Duct	102.16	39.16
			<i>For Flat Oval, Add</i>	5.54	
			<i>For Work In Restricted Working Space, Add</i>	19.58	
23 31	13 13-0925	LF	20" x 36", 18 Gauge Galvanized Steel Duct	105.98	40.61
			<i>For Flat Oval, Add</i>	5.74	
			<i>For Work In Restricted Working Space, Add</i>	20.31	
23 31	13 13-0926	LF	20" x 38", 18 Gauge Galvanized Steel Duct	109.75	42.06
			<i>For Flat Oval, Add</i>	5.95	
			<i>For Work In Restricted Working Space, Add</i>	21.03	
23 31	13 13-0927	LF	20" x 40", 18 Gauge Galvanized Steel Duct	113.53	43.51
			<i>For Flat Oval, Add</i>	6.15	
			<i>For Work In Restricted Working Space, Add</i>	21.76	
23 31	13 13-0928	LF	20" x 42", 18 Gauge Galvanized Steel Duct	117.31	44.97
			<i>For Flat Oval, Add</i>	6.36	
			<i>For Work In Restricted Working Space, Add</i>	22.48	
23 31	13 13-0929	LF	20" x 44", 18 Gauge Galvanized Steel Duct	121.11	46.41
			<i>For Flat Oval, Add</i>	6.56	
			<i>For Work In Restricted Working Space, Add</i>	23.21	
23 31	13 13-0930	LF	20" x 46", 18 Gauge Galvanized Steel Duct	124.89	47.86
			<i>For Flat Oval, Add</i>	6.77	
			<i>For Work In Restricted Working Space, Add</i>	23.93	
23 31	13 13-0931	LF	20" x 48", 18 Gauge Galvanized Steel Duct	128.67	49.32
			<i>For Flat Oval, Add</i>	6.97	
			<i>For Work In Restricted Working Space, Add</i>	24.66	
23 31	13 13-0932	LF	22" x 22", 18 Gauge Galvanized Steel Duct	83.26	31.91
			<i>For Flat Oval, Add</i>	4.51	
			<i>For Work In Restricted Working Space, Add</i>	15.96	
23 31	13 13-0933	LF	22" x 24", 18 Gauge Galvanized Steel Duct	87.05	33.36
			<i>For Flat Oval, Add</i>	4.72	
			<i>For Work In Restricted Working Space, Add</i>	16.68	
23 31	13 13-0934	LF	22" x 26", 18 Gauge Galvanized Steel Duct	90.82	34.81
			<i>For Flat Oval, Add</i>	4.92	
			<i>For Work In Restricted Working Space, Add</i>	17.40	
23 31	13 13-0935	LF	22" x 28", 18 Gauge Galvanized Steel Duct	94.62	36.26
			<i>For Flat Oval, Add</i>	5.13	
			<i>For Work In Restricted Working Space, Add</i>	18.13	
23 31	13 13-0936	LF	22" x 30", 18 Gauge Galvanized Steel Duct	98.39	37.71
			<i>For Flat Oval, Add</i>	5.33	
			<i>For Work In Restricted Working Space, Add</i>	18.86	
23 31	13 13-0937	LF	22" x 32", 18 Gauge Galvanized Steel Duct	102.16	39.16
			<i>For Flat Oval, Add</i>	5.54	
			<i>For Work In Restricted Working Space, Add</i>	19.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0938 LF 22" x 34", 18 Gauge Galvanized Steel Duct	105.98	40.61
For Flat Oval, Add	5.74	
For Work In Restricted Working Space, Add	20.31	
23 31 13 13-0939 LF 22" x 36", 18 Gauge Galvanized Steel Duct	109.75	42.06
For Flat Oval, Add	5.95	
For Work In Restricted Working Space, Add	21.03	
23 31 13 13-0940 LF 22" x 38", 18 Gauge Galvanized Steel Duct	113.53	43.51
For Flat Oval, Add	6.15	
For Work In Restricted Working Space, Add	21.76	
23 31 13 13-0941 LF 22" x 40", 18 Gauge Galvanized Steel Duct	117.31	44.97
For Flat Oval, Add	6.36	
For Work In Restricted Working Space, Add	22.48	
23 31 13 13-0942 LF 22" x 42", 18 Gauge Galvanized Steel Duct	121.11	46.41
For Flat Oval, Add	6.56	
For Work In Restricted Working Space, Add	23.21	
23 31 13 13-0943 LF 22" x 44", 18 Gauge Galvanized Steel Duct	124.89	47.86
For Flat Oval, Add	6.77	
For Work In Restricted Working Space, Add	23.93	
23 31 13 13-0944 LF 22" x 46", 18 Gauge Galvanized Steel Duct	128.67	49.32
For Flat Oval, Add	6.97	
For Work In Restricted Working Space, Add	24.66	
23 31 13 13-0945 LF 22" x 48", 18 Gauge Galvanized Steel Duct	132.46	50.76
For Flat Oval, Add	7.18	
For Work In Restricted Working Space, Add	25.38	
23 31 13 13-0946 LF 24" x 24", 18 Gauge Galvanized Steel Duct	90.82	34.81
For Flat Oval, Add	4.92	
For Work In Restricted Working Space, Add	17.40	
23 31 13 13-0947 LF 24" x 26", 18 Gauge Galvanized Steel Duct	94.62	36.26
For Flat Oval, Add	5.13	
For Work In Restricted Working Space, Add	18.13	
23 31 13 13-0948 LF 24" x 28", 18 Gauge Galvanized Steel Duct	98.39	37.71
For Flat Oval, Add	5.33	
For Work In Restricted Working Space, Add	18.86	
23 31 13 13-0949 LF 24" x 30", 18 Gauge Galvanized Steel Duct	102.16	39.16
For Flat Oval, Add	5.54	
For Work In Restricted Working Space, Add	19.58	
23 31 13 13-0950 LF 24" x 32", 18 Gauge Galvanized Steel Duct	105.98	40.61
For Flat Oval, Add	5.74	
For Work In Restricted Working Space, Add	20.31	
23 31 13 13-0951 LF 24" x 34", 18 Gauge Galvanized Steel Duct	109.75	42.06
For Flat Oval, Add	5.95	
For Work In Restricted Working Space, Add	21.03	
23 31 13 13-0952 LF 24" x 36", 18 Gauge Galvanized Steel Duct	113.53	43.51
For Flat Oval, Add	6.15	
For Work In Restricted Working Space, Add	21.76	
23 31 13 13-0953 LF 24" x 38", 18 Gauge Galvanized Steel Duct	117.31	44.97
For Flat Oval, Add	6.36	
For Work In Restricted Working Space, Add	22.48	
23 31 13 13-0954 LF 24" x 40", 18 Gauge Galvanized Steel Duct	121.11	46.41
For Flat Oval, Add	6.56	
For Work In Restricted Working Space, Add	23.21	
23 31 13 13-0955 LF 24" x 42", 18 Gauge Galvanized Steel Duct	124.89	47.86
For Flat Oval, Add	6.77	
For Work In Restricted Working Space, Add	23.93	
23 31 13 13-0956 LF 24" x 44", 18 Gauge Galvanized Steel Duct	128.67	49.32
For Flat Oval, Add	6.97	
For Work In Restricted Working Space, Add	24.66	
23 31 13 13-0957 LF 24" x 46", 18 Gauge Galvanized Steel Duct	132.46	50.76
For Flat Oval, Add	7.18	
For Work In Restricted Working Space, Add	25.38	
23 31 13 13-0958 LF 24" x 48", 18 Gauge Galvanized Steel Duct	136.23	52.22
For Flat Oval, Add	7.38	
For Work In Restricted Working Space, Add	26.11	
23 31 13 13-0959 LF 26" x 26", 18 Gauge Galvanized Steel Duct	98.39	37.71
For Flat Oval, Add	5.33	
For Work In Restricted Working Space, Add	18.86	
23 31 13 13-0960 LF 26" x 28", 18 Gauge Galvanized Steel Duct	102.16	39.16
For Flat Oval, Add	5.54	
For Work In Restricted Working Space, Add	19.58	
23 31 13 13-0961 LF 26" x 30", 18 Gauge Galvanized Steel Duct	105.98	40.61
For Flat Oval, Add	5.74	
For Work In Restricted Working Space, Add	20.31	
23 31 13 13-0962 LF 26" x 32", 18 Gauge Galvanized Steel Duct	109.75	42.06
For Flat Oval, Add	5.95	
For Work In Restricted Working Space, Add	21.03	
23 31 13 13-0963 LF 26" x 34", 18 Gauge Galvanized Steel Duct	113.53	43.51
For Flat Oval, Add	6.15	
For Work In Restricted Working Space, Add	21.76	
23 31 13 13-0964 LF 26" x 36", 18 Gauge Galvanized Steel Duct	117.31	44.97
For Flat Oval, Add	6.36	
For Work In Restricted Working Space, Add	22.48	
23 31 13 13-0965 LF 26" x 38", 18 Gauge Galvanized Steel Duct	121.11	46.41
For Flat Oval, Add	6.56	
For Work In Restricted Working Space, Add	23.21	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0966	LF	26" x 40", 18 Gauge Galvanized Steel Duct	124.89	47.86
			<i>For Flat Oval, Add</i>	6.77	
			<i>For Work In Restricted Working Space, Add</i>	23.93	
23 31 13	13-0967	LF	26" x 42", 18 Gauge Galvanized Steel Duct	128.67	49.32
			<i>For Flat Oval, Add</i>	6.97	
			<i>For Work In Restricted Working Space, Add</i>	24.66	
23 31 13	13-0968	LF	26" x 44", 18 Gauge Galvanized Steel Duct	132.46	50.76
			<i>For Flat Oval, Add</i>	7.18	
			<i>For Work In Restricted Working Space, Add</i>	25.38	
23 31 13	13-0969	LF	26" x 46", 18 Gauge Galvanized Steel Duct	136.23	52.22
			<i>For Flat Oval, Add</i>	7.38	
			<i>For Work In Restricted Working Space, Add</i>	26.11	
23 31 13	13-0970	LF	26" x 48", 18 Gauge Galvanized Steel Duct	140.03	53.66
			<i>For Flat Oval, Add</i>	7.59	
			<i>For Work In Restricted Working Space, Add</i>	26.83	
23 31 13	13-0971	LF	28" x 28", 18 Gauge Galvanized Steel Duct	105.98	40.61
			<i>For Flat Oval, Add</i>	5.74	
			<i>For Work In Restricted Working Space, Add</i>	20.31	
23 31 13	13-0972	LF	28" x 30", 18 Gauge Galvanized Steel Duct	109.75	42.06
			<i>For Flat Oval, Add</i>	5.95	
			<i>For Work In Restricted Working Space, Add</i>	21.03	
23 31 13	13-0973	LF	28" x 32", 18 Gauge Galvanized Steel Duct	113.53	43.51
			<i>For Flat Oval, Add</i>	6.15	
			<i>For Work In Restricted Working Space, Add</i>	21.76	
23 31 13	13-0974	LF	28" x 34", 18 Gauge Galvanized Steel Duct	117.31	44.97
			<i>For Flat Oval, Add</i>	6.36	
			<i>For Work In Restricted Working Space, Add</i>	22.48	
23 31 13	13-0975	LF	28" x 36", 18 Gauge Galvanized Steel Duct	121.11	46.41
			<i>For Flat Oval, Add</i>	6.56	
			<i>For Work In Restricted Working Space, Add</i>	23.21	
23 31 13	13-0976	LF	28" x 38", 18 Gauge Galvanized Steel Duct	124.89	47.86
			<i>For Flat Oval, Add</i>	6.77	
			<i>For Work In Restricted Working Space, Add</i>	23.93	
23 31 13	13-0977	LF	28" x 40", 18 Gauge Galvanized Steel Duct	128.67	49.32
			<i>For Flat Oval, Add</i>	6.97	
			<i>For Work In Restricted Working Space, Add</i>	24.66	
23 31 13	13-0978	LF	28" x 42", 18 Gauge Galvanized Steel Duct	132.46	50.76
			<i>For Flat Oval, Add</i>	7.18	
			<i>For Work In Restricted Working Space, Add</i>	25.38	
23 31 13	13-0979	LF	28" x 44", 18 Gauge Galvanized Steel Duct	136.23	52.22
			<i>For Flat Oval, Add</i>	7.38	
			<i>For Work In Restricted Working Space, Add</i>	26.11	
23 31 13	13-0980	LF	28" x 46", 18 Gauge Galvanized Steel Duct	140.03	53.66
			<i>For Flat Oval, Add</i>	7.59	
			<i>For Work In Restricted Working Space, Add</i>	26.83	
23 31 13	13-0981	LF	28" x 48", 18 Gauge Galvanized Steel Duct	143.82	55.11
			<i>For Flat Oval, Add</i>	7.79	
			<i>For Work In Restricted Working Space, Add</i>	27.56	
23 31 13	13-0982	LF	30" x 30", 18 Gauge Galvanized Steel Duct	113.53	43.51
			<i>For Flat Oval, Add</i>	6.15	
			<i>For Work In Restricted Working Space, Add</i>	21.76	
23 31 13	13-0983	LF	30" x 32", 18 Gauge Galvanized Steel Duct	117.31	44.97
			<i>For Flat Oval, Add</i>	6.36	
			<i>For Work In Restricted Working Space, Add</i>	22.48	
23 31 13	13-0984	LF	30" x 34", 18 Gauge Galvanized Steel Duct	121.11	46.41
			<i>For Flat Oval, Add</i>	6.56	
			<i>For Work In Restricted Working Space, Add</i>	23.21	
23 31 13	13-0985	LF	30" x 36", 18 Gauge Galvanized Steel Duct	124.89	47.86
			<i>For Flat Oval, Add</i>	6.77	
			<i>For Work In Restricted Working Space, Add</i>	23.93	
23 31 13	13-0986	LF	30" x 38", 18 Gauge Galvanized Steel Duct	128.67	49.32
			<i>For Flat Oval, Add</i>	6.97	
			<i>For Work In Restricted Working Space, Add</i>	24.66	
23 31 13	13-0987	LF	30" x 40", 18 Gauge Galvanized Steel Duct	132.46	50.76
			<i>For Flat Oval, Add</i>	7.18	
			<i>For Work In Restricted Working Space, Add</i>	25.38	
23 31 13	13-0988	LF	30" x 42", 18 Gauge Galvanized Steel Duct	136.23	52.22
			<i>For Flat Oval, Add</i>	7.38	
			<i>For Work In Restricted Working Space, Add</i>	26.11	
23 31 13	13-0989	LF	30" x 44", 18 Gauge Galvanized Steel Duct	140.03	53.66
			<i>For Flat Oval, Add</i>	7.59	
			<i>For Work In Restricted Working Space, Add</i>	26.83	
23 31 13	13-0990	LF	30" x 46", 18 Gauge Galvanized Steel Duct	143.82	55.11
			<i>For Flat Oval, Add</i>	7.79	
			<i>For Work In Restricted Working Space, Add</i>	27.56	
23 31 13	13-0991	LF	30" x 48", 18 Gauge Galvanized Steel Duct	147.59	56.57
			<i>For Flat Oval, Add</i>	8.00	
			<i>For Work In Restricted Working Space, Add</i>	28.28	
23 31 13	13-0992	LF	32" x 32", 18 Gauge Galvanized Steel Duct	121.11	46.41
			<i>For Flat Oval, Add</i>	6.56	
			<i>For Work In Restricted Working Space, Add</i>	23.21	
23 31 13	13-0993	LF	32" x 34", 18 Gauge Galvanized Steel Duct	124.89	47.86
			<i>For Flat Oval, Add</i>	6.77	
			<i>For Work In Restricted Working Space, Add</i>	23.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0994 LF 32" x 36", 18 Gauge Galvanized Steel Duct	128.67	49.32
For Flat Oval, Add	6.97	
For Work In Restricted Working Space, Add	24.66	
23 31 13 13-0995 LF 32" x 38", 18 Gauge Galvanized Steel Duct	132.46	50.76
For Flat Oval, Add	7.18	
For Work In Restricted Working Space, Add	25.38	
23 31 13 13-0996 LF 32" x 40", 18 Gauge Galvanized Steel Duct	136.23	52.22
For Flat Oval, Add	7.38	
For Work In Restricted Working Space, Add	26.11	
23 31 13 13-0997 LF 32" x 42", 18 Gauge Galvanized Steel Duct	140.03	53.66
For Flat Oval, Add	7.59	
For Work In Restricted Working Space, Add	26.83	
23 31 13 13-0998 LF 32" x 44", 18 Gauge Galvanized Steel Duct	143.82	55.11
For Flat Oval, Add	7.79	
For Work In Restricted Working Space, Add	27.56	
23 31 13 13-0999 LF 32" x 46", 18 Gauge Galvanized Steel Duct	147.59	56.57
For Flat Oval, Add	8.00	
For Work In Restricted Working Space, Add	28.28	
23 31 13 13-1000 LF 32" x 48", 18 Gauge Galvanized Steel Duct	151.38	58.01
For Flat Oval, Add	8.20	
For Work In Restricted Working Space, Add	29.01	
23 31 13 13-1001 LF 34" x 34", 18 Gauge Galvanized Steel Duct	128.67	49.32
For Flat Oval, Add	6.97	
For Work In Restricted Working Space, Add	24.66	
23 31 13 13-1002 LF 34" x 36", 18 Gauge Galvanized Steel Duct	132.46	50.76
For Flat Oval, Add	7.18	
For Work In Restricted Working Space, Add	25.38	
23 31 13 13-1003 LF 34" x 38", 18 Gauge Galvanized Steel Duct	136.23	52.22
For Flat Oval, Add	7.38	
For Work In Restricted Working Space, Add	26.11	
23 31 13 13-1004 LF 34" x 40", 18 Gauge Galvanized Steel Duct	140.03	53.66
For Flat Oval, Add	7.59	
For Work In Restricted Working Space, Add	26.83	
23 31 13 13-1005 LF 34" x 42", 18 Gauge Galvanized Steel Duct	143.82	55.11
For Flat Oval, Add	7.79	
For Work In Restricted Working Space, Add	27.56	
23 31 13 13-1006 LF 34" x 44", 18 Gauge Galvanized Steel Duct	147.59	56.57
For Flat Oval, Add	8.00	
For Work In Restricted Working Space, Add	28.28	
23 31 13 13-1007 LF 34" x 46", 18 Gauge Galvanized Steel Duct	151.38	58.01
For Flat Oval, Add	8.20	
For Work In Restricted Working Space, Add	29.01	
23 31 13 13-1008 LF 34" x 48", 18 Gauge Galvanized Steel Duct	155.15	59.47
For Flat Oval, Add	8.41	
For Work In Restricted Working Space, Add	29.73	
23 31 13 13-1009 LF 36" x 36", 18 Gauge Galvanized Steel Duct	136.23	52.22
For Flat Oval, Add	7.38	
For Work In Restricted Working Space, Add	26.11	
23 31 13 13-1010 LF 36" x 38", 18 Gauge Galvanized Steel Duct	140.03	53.66
For Flat Oval, Add	7.59	
For Work In Restricted Working Space, Add	26.83	
23 31 13 13-1011 LF 36" x 40", 18 Gauge Galvanized Steel Duct	143.82	55.11
For Flat Oval, Add	7.79	
For Work In Restricted Working Space, Add	27.56	
23 31 13 13-1012 LF 36" x 42", 18 Gauge Galvanized Steel Duct	147.59	56.57
For Flat Oval, Add	8.00	
For Work In Restricted Working Space, Add	28.28	
23 31 13 13-1013 LF 36" x 44", 18 Gauge Galvanized Steel Duct	151.38	58.01
For Flat Oval, Add	8.20	
For Work In Restricted Working Space, Add	29.01	
23 31 13 13-1014 LF 36" x 46", 18 Gauge Galvanized Steel Duct	155.15	59.47
For Flat Oval, Add	8.41	
For Work In Restricted Working Space, Add	29.73	
23 31 13 13-1015 LF 36" x 48", 18 Gauge Galvanized Steel Duct	158.96	60.92
For Flat Oval, Add	8.61	
For Work In Restricted Working Space, Add	30.46	
23 31 13 13-1016 LF 38" x 38", 18 Gauge Galvanized Steel Duct	143.82	55.11
For Flat Oval, Add	7.79	
For Work In Restricted Working Space, Add	27.56	
23 31 13 13-1017 LF 38" x 40", 18 Gauge Galvanized Steel Duct	147.59	56.57
For Flat Oval, Add	8.00	
For Work In Restricted Working Space, Add	28.28	
23 31 13 13-1018 LF 38" x 42", 18 Gauge Galvanized Steel Duct	151.38	58.01
For Flat Oval, Add	8.20	
For Work In Restricted Working Space, Add	29.01	
23 31 13 13-1019 LF 38" x 44", 18 Gauge Galvanized Steel Duct	155.15	59.47
For Flat Oval, Add	8.41	
For Work In Restricted Working Space, Add	29.73	
23 31 13 13-1020 LF 38" x 46", 18 Gauge Galvanized Steel Duct	158.96	60.92
For Flat Oval, Add	8.61	
For Work In Restricted Working Space, Add	30.46	
23 31 13 13-1021 LF 38" x 48", 18 Gauge Galvanized Steel Duct	162.74	62.37
For Flat Oval, Add	8.82	
For Work In Restricted Working Space, Add	31.19	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-1022	LF	38" x 50", 18 Gauge Galvanized Steel Duct	166.51	63.82
			<i>For Flat Oval, Add</i>	9.02	
			<i>For Work In Restricted Working Space, Add</i>	31.91	
23 31	13 13-1023	LF	40" x 40", 18 Gauge Galvanized Steel Duct	151.38	58.01
			<i>For Flat Oval, Add</i>	8.20	
			<i>For Work In Restricted Working Space, Add</i>	29.01	
23 31	13 13-1024	LF	40" x 42", 18 Gauge Galvanized Steel Duct	155.15	59.47
			<i>For Flat Oval, Add</i>	8.41	
			<i>For Work In Restricted Working Space, Add</i>	29.73	
23 31	13 13-1025	LF	40" x 44", 18 Gauge Galvanized Steel Duct	158.96	60.92
			<i>For Flat Oval, Add</i>	8.61	
			<i>For Work In Restricted Working Space, Add</i>	30.46	
23 31	13 13-1026	LF	40" x 46", 18 Gauge Galvanized Steel Duct	162.74	62.37
			<i>For Flat Oval, Add</i>	8.82	
			<i>For Work In Restricted Working Space, Add</i>	31.19	
23 31	13 13-1027	LF	40" x 48", 18 Gauge Galvanized Steel Duct	166.51	63.82
			<i>For Flat Oval, Add</i>	9.02	
			<i>For Work In Restricted Working Space, Add</i>	31.91	
23 31	13 13-1028	LF	40" x 50", 18 Gauge Galvanized Steel Duct	170.30	65.26
			<i>For Flat Oval, Add</i>	9.23	
			<i>For Work In Restricted Working Space, Add</i>	32.63	
23 31	13 13-1029	LF	40" x 52", 18 Gauge Galvanized Steel Duct	174.08	66.72
			<i>For Flat Oval, Add</i>	9.43	
			<i>For Work In Restricted Working Space, Add</i>	33.36	
23 31	13 13-1030	LF	40" x 54", 18 Gauge Galvanized Steel Duct	177.87	68.17
			<i>For Flat Oval, Add</i>	9.64	
			<i>For Work In Restricted Working Space, Add</i>	34.08	
23 31	13 13-1031	LF	40" x 56", 18 Gauge Galvanized Steel Duct	181.67	69.62
			<i>For Flat Oval, Add</i>	9.84	
			<i>For Work In Restricted Working Space, Add</i>	34.81	
23 31	13 13-1032	LF	42" x 42", 18 Gauge Galvanized Steel Duct	158.96	60.92
			<i>For Flat Oval, Add</i>	8.61	
			<i>For Work In Restricted Working Space, Add</i>	30.46	
23 31	13 13-1033	LF	42" x 44", 18 Gauge Galvanized Steel Duct	162.74	62.37
			<i>For Flat Oval, Add</i>	8.82	
			<i>For Work In Restricted Working Space, Add</i>	31.19	
23 31	13 13-1034	LF	42" x 46", 18 Gauge Galvanized Steel Duct	166.51	63.82
			<i>For Flat Oval, Add</i>	9.02	
			<i>For Work In Restricted Working Space, Add</i>	31.91	
23 31	13 13-1035	LF	42" x 48", 18 Gauge Galvanized Steel Duct	170.30	65.26
			<i>For Flat Oval, Add</i>	9.23	
			<i>For Work In Restricted Working Space, Add</i>	32.63	
23 31	13 13-1036	LF	42" x 50", 18 Gauge Galvanized Steel Duct	174.08	66.72
			<i>For Flat Oval, Add</i>	9.43	
			<i>For Work In Restricted Working Space, Add</i>	33.36	
23 31	13 13-1037	LF	42" x 52", 18 Gauge Galvanized Steel Duct	177.87	68.17
			<i>For Flat Oval, Add</i>	9.64	
			<i>For Work In Restricted Working Space, Add</i>	34.08	
23 31	13 13-1038	LF	42" x 54", 18 Gauge Galvanized Steel Duct	181.67	69.62
			<i>For Flat Oval, Add</i>	9.84	
			<i>For Work In Restricted Working Space, Add</i>	34.81	
23 31	13 13-1039	LF	42" x 56", 18 Gauge Galvanized Steel Duct	185.44	71.07
			<i>For Flat Oval, Add</i>	10.05	
			<i>For Work In Restricted Working Space, Add</i>	35.54	
23 31	13 13-1040	LF	44" x 44", 18 Gauge Galvanized Steel Duct	166.51	63.82
			<i>For Flat Oval, Add</i>	9.02	
			<i>For Work In Restricted Working Space, Add</i>	31.91	
23 31	13 13-1041	LF	44" x 46", 18 Gauge Galvanized Steel Duct	170.30	65.26
			<i>For Flat Oval, Add</i>	9.23	
			<i>For Work In Restricted Working Space, Add</i>	32.63	
23 31	13 13-1042	LF	44" x 48", 18 Gauge Galvanized Steel Duct	174.08	66.72
			<i>For Flat Oval, Add</i>	9.43	
			<i>For Work In Restricted Working Space, Add</i>	33.36	
23 31	13 13-1043	LF	44" x 50", 18 Gauge Galvanized Steel Duct	177.87	68.17
			<i>For Flat Oval, Add</i>	9.64	
			<i>For Work In Restricted Working Space, Add</i>	34.08	
23 31	13 13-1044	LF	44" x 52", 18 Gauge Galvanized Steel Duct	181.67	69.62
			<i>For Flat Oval, Add</i>	9.84	
			<i>For Work In Restricted Working Space, Add</i>	34.81	
23 31	13 13-1045	LF	44" x 54", 18 Gauge Galvanized Steel Duct	185.44	71.07
			<i>For Flat Oval, Add</i>	10.05	
			<i>For Work In Restricted Working Space, Add</i>	35.54	
23 31	13 13-1046	LF	44" x 56", 18 Gauge Galvanized Steel Duct	189.21	72.52
			<i>For Flat Oval, Add</i>	10.25	
			<i>For Work In Restricted Working Space, Add</i>	36.26	
23 31	13 13-1047	LF	46" x 46", 18 Gauge Galvanized Steel Duct	174.08	66.72
			<i>For Flat Oval, Add</i>	9.43	
			<i>For Work In Restricted Working Space, Add</i>	33.36	
23 31	13 13-1048	LF	46" x 48", 18 Gauge Galvanized Steel Duct	177.87	68.17
			<i>For Flat Oval, Add</i>	9.64	
			<i>For Work In Restricted Working Space, Add</i>	34.08	
23 31	13 13-1049	LF	46" x 50", 18 Gauge Galvanized Steel Duct	181.67	69.62
			<i>For Flat Oval, Add</i>	9.84	
			<i>For Work In Restricted Working Space, Add</i>	34.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1050 LF 46" x 52", 18 Gauge Galvanized Steel Duct	185.44	71.07
<i>For Flat Oval, Add</i>	10.05	
<i>For Work In Restricted Working Space, Add</i>	35.54	
23 31 13 13-1051 LF 46" x 54", 18 Gauge Galvanized Steel Duct	189.21	72.52
<i>For Flat Oval, Add</i>	10.25	
<i>For Work In Restricted Working Space, Add</i>	36.26	
23 31 13 13-1052 LF 46" x 56", 18 Gauge Galvanized Steel Duct	193.01	73.97
<i>For Flat Oval, Add</i>	10.46	
<i>For Work In Restricted Working Space, Add</i>	36.99	
23 31 13 13-1053 LF 46" x 58", 18 Gauge Galvanized Steel Duct	196.80	75.42
<i>For Flat Oval, Add</i>	10.67	
<i>For Work In Restricted Working Space, Add</i>	37.71	
23 31 13 13-1054 LF 48" x 48", 18 Gauge Galvanized Steel Duct	181.67	69.62
<i>For Flat Oval, Add</i>	9.84	
<i>For Work In Restricted Working Space, Add</i>	34.81	
23 31 13 13-1055 LF 48" x 50", 18 Gauge Galvanized Steel Duct	185.44	71.07
<i>For Flat Oval, Add</i>	10.05	
<i>For Work In Restricted Working Space, Add</i>	35.54	
23 31 13 13-1056 LF 48" x 52", 18 Gauge Galvanized Steel Duct	189.21	72.52
<i>For Flat Oval, Add</i>	10.25	
<i>For Work In Restricted Working Space, Add</i>	36.26	
23 31 13 13-1057 LF 48" x 54", 18 Gauge Galvanized Steel Duct	193.01	73.97
<i>For Flat Oval, Add</i>	10.46	
<i>For Work In Restricted Working Space, Add</i>	36.99	
23 31 13 13-1058 LF 48" x 56", 18 Gauge Galvanized Steel Duct	196.80	75.42
<i>For Flat Oval, Add</i>	10.67	
<i>For Work In Restricted Working Space, Add</i>	37.71	
23 31 13 13-1059 LF 48" x 58", 18 Gauge Galvanized Steel Duct	200.58	76.88
<i>For Flat Oval, Add</i>	10.87	
<i>For Work In Restricted Working Space, Add</i>	38.44	
23 31 13 13-1060 LF 48" x 60", 18 Gauge Galvanized Steel Duct	204.36	78.32
<i>For Flat Oval, Add</i>	11.07	
<i>For Work In Restricted Working Space, Add</i>	39.16	
23 31 13 13-1061 LF 50" x 50", 18 Gauge Galvanized Steel Duct	189.21	72.52
<i>For Flat Oval, Add</i>	10.25	
<i>For Work In Restricted Working Space, Add</i>	36.26	
23 31 13 13-1062 LF 50" x 52", 18 Gauge Galvanized Steel Duct	193.01	73.97
<i>For Flat Oval, Add</i>	10.46	
<i>For Work In Restricted Working Space, Add</i>	36.99	
23 31 13 13-1063 LF 50" x 54", 18 Gauge Galvanized Steel Duct	196.80	75.42
<i>For Flat Oval, Add</i>	10.67	
<i>For Work In Restricted Working Space, Add</i>	37.71	
23 31 13 13-1064 LF 50" x 56", 18 Gauge Galvanized Steel Duct	200.58	76.88
<i>For Flat Oval, Add</i>	10.87	
<i>For Work In Restricted Working Space, Add</i>	38.44	
23 31 13 13-1065 LF 50" x 58", 18 Gauge Galvanized Steel Duct	204.36	78.32
<i>For Flat Oval, Add</i>	11.07	
<i>For Work In Restricted Working Space, Add</i>	39.16	
23 31 13 13-1066 LF 50" x 60", 18 Gauge Galvanized Steel Duct	208.14	79.77
<i>For Flat Oval, Add</i>	11.28	
<i>For Work In Restricted Working Space, Add</i>	39.89	
23 31 13 13-1067 LF 52" x 52", 18 Gauge Galvanized Steel Duct	196.80	75.42
<i>For Flat Oval, Add</i>	10.67	
<i>For Work In Restricted Working Space, Add</i>	37.71	
23 31 13 13-1068 LF 52" x 54", 18 Gauge Galvanized Steel Duct	200.58	76.88
<i>For Flat Oval, Add</i>	10.87	
<i>For Work In Restricted Working Space, Add</i>	38.44	
23 31 13 13-1069 LF 52" x 56", 18 Gauge Galvanized Steel Duct	204.36	78.32
<i>For Flat Oval, Add</i>	11.07	
<i>For Work In Restricted Working Space, Add</i>	39.16	
23 31 13 13-1070 LF 52" x 58", 18 Gauge Galvanized Steel Duct	208.14	79.77
<i>For Flat Oval, Add</i>	11.28	
<i>For Work In Restricted Working Space, Add</i>	39.89	
23 31 13 13-1071 LF 52" x 60", 18 Gauge Galvanized Steel Duct	211.92	81.22
<i>For Flat Oval, Add</i>	11.48	
<i>For Work In Restricted Working Space, Add</i>	40.61	
23 31 13 13-1072 LF 54" x 54", 18 Gauge Galvanized Steel Duct	204.36	78.32
<i>For Flat Oval, Add</i>	11.07	
<i>For Work In Restricted Working Space, Add</i>	39.16	
23 31 13 13-1073 LF 54" x 56", 18 Gauge Galvanized Steel Duct	208.14	79.77
<i>For Flat Oval, Add</i>	11.28	
<i>For Work In Restricted Working Space, Add</i>	39.89	
23 31 13 13-1074 LF 54" x 58", 18 Gauge Galvanized Steel Duct	211.92	81.22
<i>For Flat Oval, Add</i>	11.48	
<i>For Work In Restricted Working Space, Add</i>	40.61	
23 31 13 13-1075 LF 54" x 60", 18 Gauge Galvanized Steel Duct	215.72	82.67
<i>For Flat Oval, Add</i>	11.69	
<i>For Work In Restricted Working Space, Add</i>	41.34	
23 31 13 13-1076 LF 54" x 62", 18 Gauge Galvanized Steel Duct	219.51	84.13
<i>For Flat Oval, Add</i>	11.90	
<i>For Work In Restricted Working Space, Add</i>	42.06	
23 31 13 13-1077 LF 54" x 64", 18 Gauge Galvanized Steel Duct	223.28	85.57
<i>For Flat Oval, Add</i>	12.10	
<i>For Work In Restricted Working Space, Add</i>	42.79	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-1078	LF	56" x 56", 18 Gauge Galvanized Steel Duct	211.92	81.22
			<i>For Flat Oval, Add</i>	11.48	
			<i>For Work In Restricted Working Space, Add</i>	40.61	
23 31	13 13-1079	LF	56" x 58", 18 Gauge Galvanized Steel Duct	215.72	82.67
			<i>For Flat Oval, Add</i>	11.69	
			<i>For Work In Restricted Working Space, Add</i>	41.34	
23 31	13 13-1080	LF	56" x 60", 18 Gauge Galvanized Steel Duct	219.51	84.13
			<i>For Flat Oval, Add</i>	11.90	
			<i>For Work In Restricted Working Space, Add</i>	42.06	
23 31	13 13-1081	LF	56" x 62", 18 Gauge Galvanized Steel Duct	223.28	85.57
			<i>For Flat Oval, Add</i>	12.10	
			<i>For Work In Restricted Working Space, Add</i>	42.79	
23 31	13 13-1082	LF	56" x 64", 18 Gauge Galvanized Steel Duct	227.06	87.02
			<i>For Flat Oval, Add</i>	12.30	
			<i>For Work In Restricted Working Space, Add</i>	43.51	
23 31	13 13-1083	LF	58" x 58", 18 Gauge Galvanized Steel Duct	219.51	84.13
			<i>For Flat Oval, Add</i>	11.90	
			<i>For Work In Restricted Working Space, Add</i>	42.06	
23 31	13 13-1084	LF	58" x 60", 18 Gauge Galvanized Steel Duct	223.28	85.57
			<i>For Flat Oval, Add</i>	12.10	
			<i>For Work In Restricted Working Space, Add</i>	42.79	
23 31	13 13-1085	LF	58" x 62", 18 Gauge Galvanized Steel Duct	227.06	87.02
			<i>For Flat Oval, Add</i>	12.30	
			<i>For Work In Restricted Working Space, Add</i>	43.51	
23 31	13 13-1086	LF	58" x 64", 18 Gauge Galvanized Steel Duct	230.85	88.48
			<i>For Flat Oval, Add</i>	12.51	
			<i>For Work In Restricted Working Space, Add</i>	44.24	
23 31	13 13-1087	LF	58" x 66", 18 Gauge Galvanized Steel Duct	234.64	89.92
			<i>For Flat Oval, Add</i>	12.72	
			<i>For Work In Restricted Working Space, Add</i>	44.96	
23 31	13 13-1088	LF	60" x 60", 18 Gauge Galvanized Steel Duct	227.06	87.02
			<i>For Flat Oval, Add</i>	12.30	
			<i>For Work In Restricted Working Space, Add</i>	43.51	
23 31	13 13-1089	LF	60" x 62", 18 Gauge Galvanized Steel Duct	230.85	88.48
			<i>For Flat Oval, Add</i>	12.51	
			<i>For Work In Restricted Working Space, Add</i>	44.24	
23 31	13 13-1090	LF	60" x 64", 18 Gauge Galvanized Steel Duct	234.64	89.92
			<i>For Flat Oval, Add</i>	12.72	
			<i>For Work In Restricted Working Space, Add</i>	44.96	
23 31	13 13-1091	LF	60" x 66", 18 Gauge Galvanized Steel Duct	238.42	91.38
			<i>For Flat Oval, Add</i>	12.92	
			<i>For Work In Restricted Working Space, Add</i>	45.69	
23 31	13 13-1092	LF	60" x 68", 18 Gauge Galvanized Steel Duct	242.21	92.83
			<i>For Flat Oval, Add</i>	13.13	
			<i>For Work In Restricted Working Space, Add</i>	46.41	
23 31	13 13-1093	LF	62" x 62", 18 Gauge Galvanized Steel Duct	234.64	89.92
			<i>For Flat Oval, Add</i>	12.72	
			<i>For Work In Restricted Working Space, Add</i>	44.96	
23 31	13 13-1094	LF	62" x 64", 18 Gauge Galvanized Steel Duct	238.42	91.38
			<i>For Flat Oval, Add</i>	12.92	
			<i>For Work In Restricted Working Space, Add</i>	45.69	
23 31	13 13-1095	LF	62" x 66", 18 Gauge Galvanized Steel Duct	242.21	92.83
			<i>For Flat Oval, Add</i>	13.13	
			<i>For Work In Restricted Working Space, Add</i>	46.41	
23 31	13 13-1096	LF	62" x 68", 18 Gauge Galvanized Steel Duct	245.98	94.27
			<i>For Flat Oval, Add</i>	13.33	
			<i>For Work In Restricted Working Space, Add</i>	47.14	
23 31	13 13-1097	LF	62" x 70", 18 Gauge Galvanized Steel Duct	249.77	95.73
			<i>For Flat Oval, Add</i>	13.53	
			<i>For Work In Restricted Working Space, Add</i>	47.87	
23 31	13 13-1098	LF	64" x 64", 18 Gauge Galvanized Steel Duct	242.21	92.83
			<i>For Flat Oval, Add</i>	13.13	
			<i>For Work In Restricted Working Space, Add</i>	46.41	
23 31	13 13-1099	LF	64" x 66", 18 Gauge Galvanized Steel Duct	245.98	94.27
			<i>For Flat Oval, Add</i>	13.33	
			<i>For Work In Restricted Working Space, Add</i>	47.14	
23 31	13 13-1100	LF	64" x 68", 18 Gauge Galvanized Steel Duct	249.77	95.73
			<i>For Flat Oval, Add</i>	13.53	
			<i>For Work In Restricted Working Space, Add</i>	47.87	
23 31	13 13-1101	LF	64" x 70", 18 Gauge Galvanized Steel Duct	253.56	97.17
			<i>For Flat Oval, Add</i>	13.74	
			<i>For Work In Restricted Working Space, Add</i>	48.59	
23 31	13 13-1102	LF	66" x 66", 18 Gauge Galvanized Steel Duct	249.77	95.73
			<i>For Flat Oval, Add</i>	13.53	
			<i>For Work In Restricted Working Space, Add</i>	47.87	
23 31	13 13-1103	LF	66" x 68", 18 Gauge Galvanized Steel Duct	253.56	97.17
			<i>For Flat Oval, Add</i>	13.74	
			<i>For Work In Restricted Working Space, Add</i>	48.59	
23 31	13 13-1104	LF	66" x 70", 18 Gauge Galvanized Steel Duct	257.34	98.63
			<i>For Flat Oval, Add</i>	13.95	
			<i>For Work In Restricted Working Space, Add</i>	49.31	
23 31	13 13-1105	LF	66" x 72", 18 Gauge Galvanized Steel Duct	261.13	100.08
			<i>For Flat Oval, Add</i>	14.15	
			<i>For Work In Restricted Working Space, Add</i>	50.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1106 LF 68" x 68", 18 Gauge Galvanized Steel Duct	257.34	98.63
For Flat Oval, Add	13.95	
For Work In Restricted Working Space, Add	49.31	
23 31 13 13-1107 LF 68" x 70", 18 Gauge Galvanized Steel Duct	261.13	100.08
For Flat Oval, Add	14.15	
For Work In Restricted Working Space, Add	50.04	
23 31 13 13-1108 LF 68" x 72", 18 Gauge Galvanized Steel Duct	264.90	101.53
For Flat Oval, Add	14.35	
For Work In Restricted Working Space, Add	50.76	
23 31 13 13-1109 LF 68" x 74", 18 Gauge Galvanized Steel Duct	268.70	102.98
For Flat Oval, Add	14.56	
For Work In Restricted Working Space, Add	51.49	
23 31 13 13-1110 LF 70" x 70", 18 Gauge Galvanized Steel Duct	264.90	101.53
For Flat Oval, Add	14.35	
For Work In Restricted Working Space, Add	50.76	
23 31 13 13-1111 LF 70" x 72", 18 Gauge Galvanized Steel Duct	268.70	102.98
For Flat Oval, Add	14.56	
For Work In Restricted Working Space, Add	51.49	
23 31 13 13-1112 LF 70" x 74", 18 Gauge Galvanized Steel Duct	272.49	104.43
For Flat Oval, Add	14.77	
For Work In Restricted Working Space, Add	52.22	
23 31 13 13-1113 LF 70" x 76", 18 Gauge Galvanized Steel Duct	276.26	105.88
For Flat Oval, Add	14.97	
For Work In Restricted Working Space, Add	52.94	
23 31 13 13-1114 LF 70" x 78", 18 Gauge Galvanized Steel Duct	280.06	107.33
For Flat Oval, Add	15.18	
For Work In Restricted Working Space, Add	53.67	
23 31 13 13-1115 LF 70" x 80", 18 Gauge Galvanized Steel Duct	283.83	108.78
For Flat Oval, Add	15.38	
For Work In Restricted Working Space, Add	54.39	
23 31 13 13-1116 LF 70" x 82", 18 Gauge Galvanized Steel Duct	287.61	110.23
For Flat Oval, Add	15.58	
For Work In Restricted Working Space, Add	55.12	
23 31 13 13-1117 LF 70" x 84", 18 Gauge Galvanized Steel Duct	291.42	111.68
For Flat Oval, Add	15.79	
For Work In Restricted Working Space, Add	55.84	
23 31 13 13-1118 LF 70" x 86", 18 Gauge Galvanized Steel Duct	295.19	113.13
For Flat Oval, Add	16.00	
For Work In Restricted Working Space, Add	56.57	
23 31 13 13-1119 LF 72" x 72", 18 Gauge Galvanized Steel Duct	272.49	104.43
For Flat Oval, Add	14.77	
For Work In Restricted Working Space, Add	52.22	
23 31 13 13-1120 LF 72" x 74", 18 Gauge Galvanized Steel Duct	276.26	105.88
For Flat Oval, Add	14.97	
For Work In Restricted Working Space, Add	52.94	
23 31 13 13-1121 LF 72" x 76", 18 Gauge Galvanized Steel Duct	280.06	107.33
For Flat Oval, Add	15.18	
For Work In Restricted Working Space, Add	53.67	
23 31 13 13-1122 LF 72" x 78", 18 Gauge Galvanized Steel Duct	283.83	108.78
For Flat Oval, Add	15.38	
For Work In Restricted Working Space, Add	54.39	
23 31 13 13-1123 LF 72" x 80", 18 Gauge Galvanized Steel Duct	287.61	110.23
For Flat Oval, Add	15.58	
For Work In Restricted Working Space, Add	55.12	
23 31 13 13-1124 LF 72" x 82", 18 Gauge Galvanized Steel Duct	291.42	111.68
For Flat Oval, Add	15.79	
For Work In Restricted Working Space, Add	55.84	
23 31 13 13-1125 LF 72" x 84", 18 Gauge Galvanized Steel Duct	295.19	113.13
For Flat Oval, Add	16.00	
For Work In Restricted Working Space, Add	56.57	
23 31 13 13-1126 LF 72" x 86", 18 Gauge Galvanized Steel Duct	298.97	114.58
For Flat Oval, Add	16.20	
For Work In Restricted Working Space, Add	57.29	
23 31 13 13-1127 LF 74" x 74", 18 Gauge Galvanized Steel Duct	280.06	107.33
For Flat Oval, Add	15.18	
For Work In Restricted Working Space, Add	53.67	
23 31 13 13-1128 LF 74" x 76", 18 Gauge Galvanized Steel Duct	283.83	108.78
For Flat Oval, Add	15.38	
For Work In Restricted Working Space, Add	54.39	
23 31 13 13-1129 LF 74" x 78", 18 Gauge Galvanized Steel Duct	287.61	110.23
For Flat Oval, Add	15.58	
For Work In Restricted Working Space, Add	55.12	
23 31 13 13-1130 LF 74" x 80", 18 Gauge Galvanized Steel Duct	291.42	111.68
For Flat Oval, Add	15.79	
For Work In Restricted Working Space, Add	55.84	
23 31 13 13-1131 LF 74" x 82", 18 Gauge Galvanized Steel Duct	295.19	113.13
For Flat Oval, Add	16.00	
For Work In Restricted Working Space, Add	56.57	
23 31 13 13-1132 LF 74" x 84", 18 Gauge Galvanized Steel Duct	298.97	114.58
For Flat Oval, Add	16.20	
For Work In Restricted Working Space, Add	57.29	
23 31 13 13-1133 LF 74" x 86", 18 Gauge Galvanized Steel Duct	302.75	116.04
For Flat Oval, Add	16.40	
For Work In Restricted Working Space, Add	58.02	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-1134	LF	76" x 76", 18 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	287.61 15.58 55.12	110.23
23 31	13 13-1135	LF	76" x 78", 18 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	291.42 15.79 55.84	111.68
23 31	13 13-1136	LF	76" x 80", 18 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	295.19 16.00 56.57	113.13
23 31	13 13-1137	LF	76" x 82", 18 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	298.97 16.20 57.29	114.58
23 31	13 13-1138	LF	76" x 84", 18 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	302.75 16.40 58.02	116.04
23 31	13 13-1139	LF	76" x 86", 18 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	306.53 16.61 58.74	117.48
23 31	13 13-1140	LF	78" x 78", 18 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	295.19 16.00 56.57	113.13
23 31	13 13-1141	LF	78" x 80", 18 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	298.97 16.20 57.29	114.58
23 31	13 13-1142	LF	78" x 82", 18 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	302.75 16.40 58.02	116.04
23 31	13 13-1143	LF	78" x 84", 18 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	306.53 16.61 58.74	117.48
23 31	13 13-1144	LF	78" x 86", 18 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	310.33 16.82 59.47	118.93
23 31	13 13-1145	LF	80" x 80", 18 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	302.75 16.40 58.02	116.04
23 31	13 13-1146	LF	80" x 82", 18 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	306.53 16.61 58.74	117.48
23 31	13 13-1147	LF	80" x 84", 18 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	310.33 16.82 59.47	118.93
23 31	13 13-1148	LF	80" x 86", 18 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	314.11 17.02 60.19	120.39
23 31	13 13-1149	LF	82" x 82", 18 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	310.33 16.82 59.47	118.93
23 31	13 13-1150	LF	82" x 84", 18 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	314.11 17.02 60.19	120.39
23 31	13 13-1151	LF	82" x 86", 18 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	317.90 17.23 60.92	121.83
23 31	13 13-1152	LF	84" x 84", 18 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	317.90 17.23 60.92	121.83
23 31	13 13-1153	LF	84" x 86", 18 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	321.67 17.43 61.64	123.29
23 31	13 13-1154	LF	86" x 86", 18 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	325.45 17.63 62.37	124.73
23 31	13 13-1155		Aluminum Sheet Metal Duct Alloy 3003-H14 <small>(23 31 13 13)</small> Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.		
23 31	13 13-1156	LB	Aluminum Sheet Metal Ductwork, Low Pressure, Alloy 3003-H14 <i>For Work In Restricted Working Space, Add</i> <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i> <i>For >500 To 1,000, Add</i> <i>For >1,000 To 2,000, Add</i> <i>For >2,000 To 5,000, Add</i>	11.70 3.12 3.90 2.43 1.73 0.98 0.46	1.84
23 31	13 13-1157		Stainless Steel Sheet Metal Duct Type 304 <small>(23 31 13 13)</small> Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1158 LB Stainless Steel Sheet Metal Ductwork, Low Pressure, Type 304	12.47	2.44
For Type 316 Stainless Steel, Add	0.42	
For Welded Seams, Add	4.37	
For Work In Restricted Working Space, Add	2.50	
For Up To 200, Add	4.99	
For >200 To 500, Add	3.28	
For >500 To 1,000, Add	2.04	
For >1,000 To 2,000, Add	1.12	
For >2,000 To 5,000, Add	0.46	
23 31 13 13-1159 LB Stainless Steel Sheet Metal Ductwork, Medium Pressure, Type 304	14.29	3.06
For Type 316 Stainless Steel, Add	0.48	
For Welded Seams, Add	4.99	
For Work In Restricted Working Space, Add	2.85	
For Up To 200, Add	5.72	
For >200 To 500, Add	3.77	
For >500 To 1,000, Add	2.34	
For >1,000 To 2,000, Add	1.29	
For >2,000 To 5,000, Add	0.52	
23 31 13 13-1160 LB Stainless Steel Sheet Metal Ductwork, High Pressure, Type 304.....	17.42	3.67
For Type 316 Stainless Steel, Add	0.58	
For Welded Seams, Add	6.10	
For Work In Restricted Working Space, Add	3.49	
For Up To 200, Add	6.97	
For >200 To 500, Add	4.59	
For >500 To 1,000, Add	2.84	
For >1,000 To 2,000, Add	1.57	
For >2,000 To 5,000, Add	0.64	
23 31 13 13-1161 Rework Sheet Metal Ductwork <small>(23 31 13 13)</small>		
Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.		
23 31 13 13-1162 LF Up To 1 SF Cross Section, Rework Existing Ductwork.....	18.35	
23 31 13 13-1163 LF >1 To 2 SF Cross Section, Rework Existing Ductwork	35.78	
23 31 13 13-1164 LF >2 To 4 SF Cross Section, Rework Existing Ductwork	47.28	
23 31 13 13-1165 LF >4 To 6 SF Cross Section, Rework Existing Ductwork	59.20	
23 31 13 13-1166 LF >6 To 8 SF Cross Section, Rework Existing Ductwork	82.56	
23 31 13 13-1167 LF >8 To 10 SF Cross Section, Rework Existing Ductwork	96.32	
23 31 13 13-1168 LF >10 To 12 SF Cross Section, Rework Existing Ductwork	110.09	
23 31 13 13-1169 LF >12 To 14 SF Cross Section, Rework Existing Ductwork	123.84	
23 31 13 16 Round and Flat-Oval Spiral Ducts <small>(23 31 13)</small>		
23 31 13 16-0001 Factory Fabricated Field Installed Low Pressure Round Duct <small>(23 31 13 16)</small>		
Note: Based on 26 gauge.		
23 31 13 16-0002 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Ducts <small>(23 31 13 16-0001)</small>		
Note: Includes straps and supports.		
23 31 13 16-0003 LF 4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	4.62	1.54
For 28 Gauge, Deduct	-0.20	
For 24 Gauge, Add	0.20	
For 22 Gauge, Add	0.40	
For 20 Gauge, Add	0.60	
For 18 Gauge, Add	0.80	
For 16 Gauge, Add	0.99	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.08	
For Acid Resistant Asphaltum Coating, Add	3.76	
For Work In Restricted Working Space, Add	0.95	
23 31 13 16-0004 LF 5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	5.37	1.75
For 28 Gauge, Deduct	-0.26	
For 24 Gauge, Add	0.26	
For 22 Gauge, Add	0.52	
For 20 Gauge, Add	0.77	
For 18 Gauge, Add	1.03	
For 16 Gauge, Add	1.26	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.38	
For Acid Resistant Asphaltum Coating, Add	4.20	
For Work In Restricted Working Space, Add	1.05	
23 31 13 16-0005 LF 6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	6.08	2.10
For 28 Gauge, Deduct	-0.30	
For 24 Gauge, Add	0.30	
For 22 Gauge, Add	0.59	
For 20 Gauge, Add	0.89	
For 18 Gauge, Add	1.18	
For 16 Gauge, Add	1.44	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.58	
For Acid Resistant Asphaltum Coating, Add	4.64	
For Work In Restricted Working Space, Add	1.18	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0006 LF 7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	7.03	2.45
For 28 Gauge, Deduct	-0.35	
For 24 Gauge, Add	0.35	
For 22 Gauge, Add	0.69	
For 20 Gauge, Add	1.04	
For 18 Gauge, Add	1.39	
For 16 Gauge, Add	1.70	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.86	
For Acid Resistant Asphaltum Coating, Add	5.08	
For Work In Restricted Working Space, Add	1.35	
23 31 13 16-0007 LF 8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	8.06	2.80
For 28 Gauge, Deduct	-0.39	
For 24 Gauge, Add	0.39	
For 22 Gauge, Add	0.77	
For 20 Gauge, Add	1.16	
For 18 Gauge, Add	1.55	
For 16 Gauge, Add	1.90	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.08	
For Acid Resistant Asphaltum Coating, Add	5.52	
For Work In Restricted Working Space, Add	1.58	
23 31 13 16-0008 LF 10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	9.76	3.50
For 28 Gauge, Deduct	-0.48	
For 24 Gauge, Add	0.48	
For 22 Gauge, Add	0.95	
For 20 Gauge, Add	1.43	
For 18 Gauge, Add	1.90	
For 16 Gauge, Add	2.34	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.56	
For Acid Resistant Asphaltum Coating, Add	6.40	
For Work In Restricted Working Space, Add	1.89	
23 31 13 16-0009 LF 12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	12.12	4.69
For 28 Gauge, Deduct	-0.59	
For 24 Gauge, Add	0.59	
For 22 Gauge, Add	1.17	
For 20 Gauge, Add	1.76	
For 18 Gauge, Add	2.34	
For 16 Gauge, Add	2.87	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.15	
For Acid Resistant Asphaltum Coating, Add	6.90	
For Work In Restricted Working Space, Add	2.36	
23 31 13 16-0010 LF 14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	14.79	7.01
For 28 Gauge, Deduct	-0.68	
For 24 Gauge, Add	0.68	
For 22 Gauge, Add	1.36	
For 20 Gauge, Add	2.05	
For 18 Gauge, Add	2.72	
For 16 Gauge, Add	3.33	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.66	
For Acid Resistant Asphaltum Coating, Add	7.26	
For Work In Restricted Working Space, Add	2.96	
23 31 13 16-0011 LF 16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	20.45	9.39
For 28 Gauge, Deduct	-1.01	
For 24 Gauge, Add	1.01	
For 22 Gauge, Add	2.02	
For 20 Gauge, Add	3.03	
For 18 Gauge, Add	4.03	
For 16 Gauge, Add	4.94	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.42	
For Acid Resistant Asphaltum Coating, Add	7.58	
For Work In Restricted Working Space, Add	3.94	
23 31 13 16-0012 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbows <small>(23 31 13 16-0001)</small>		
Note: Up to 90 degree.		
23 31 13 16-0013 EA 4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	25.60	9.35
For 28 Gauge, Deduct	-0.96	
For 24 Gauge, Add	0.95	
For 22 Gauge, Add	1.90	
For 20 Gauge, Add	2.86	
For 18 Gauge, Add	3.80	
For 16 Gauge, Add	4.66	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.11	
For Work In Restricted Working Space, Add	5.61	
23 31 13 16-0014 EA 5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	29.09	10.79
For 28 Gauge, Deduct	-1.04	
For 24 Gauge, Add	1.04	
For 22 Gauge, Add	2.07	
For 20 Gauge, Add	3.11	
For 18 Gauge, Add	4.13	
For 16 Gauge, Add	5.07	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.56	
For Work In Restricted Working Space, Add	6.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0015 EA 6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow.....	33.94	12.74
<i>For 28 Gauge, Deduct</i>	-1.17	
<i>For 24 Gauge, Add</i>	1.16	
<i>For 22 Gauge, Add</i>	2.33	
<i>For 20 Gauge, Add</i>	3.49	
<i>For 18 Gauge, Add</i>	4.64	
<i>For 16 Gauge, Add</i>	5.70	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.25	
<i>For Work In Restricted Working Space, Add</i>	7.65	
23 31 13 16-0016 EA 7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow.....	43.15	16.38
<i>For 28 Gauge, Deduct</i>	-1.44	
<i>For 24 Gauge, Add</i>	1.43	
<i>For 22 Gauge, Add</i>	2.86	
<i>For 20 Gauge, Add</i>	4.29	
<i>For 18 Gauge, Add</i>	5.70	
<i>For 16 Gauge, Add</i>	7.00	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.67	
<i>For Work In Restricted Working Space, Add</i>	9.83	
23 31 13 16-0017 EA 8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow.....	51.14	19.96
<i>For 28 Gauge, Deduct</i>	-1.55	
<i>For 24 Gauge, Add</i>	1.55	
<i>For 22 Gauge, Add</i>	3.09	
<i>For 20 Gauge, Add</i>	4.64	
<i>For 18 Gauge, Add</i>	6.17	
<i>For 16 Gauge, Add</i>	7.57	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.30	
<i>For Work In Restricted Working Space, Add</i>	11.98	
23 31 13 16-0018 EA 10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow.....	77.12	31.17
<i>For 28 Gauge, Deduct</i>	-2.05	
<i>For 24 Gauge, Add</i>	2.04	
<i>For 22 Gauge, Add</i>	4.07	
<i>For 20 Gauge, Add</i>	6.12	
<i>For 18 Gauge, Add</i>	8.13	
<i>For 16 Gauge, Add</i>	9.98	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	10.94	
<i>For Work In Restricted Working Space, Add</i>	18.70	
23 31 13 16-0019 EA 12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow.....	106.19	43.07
<i>For 28 Gauge, Deduct</i>	-2.78	
<i>For 24 Gauge, Add</i>	2.77	
<i>For 22 Gauge, Add</i>	5.52	
<i>For 20 Gauge, Add</i>	8.30	
<i>For 18 Gauge, Add</i>	11.02	
<i>For 16 Gauge, Add</i>	13.53	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	14.83	
<i>For Work In Restricted Working Space, Add</i>	25.85	
23 31 13 16-0020 EA 14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow.....	132.62	50.96
<i>For 28 Gauge, Deduct</i>	-4.25	
<i>For 24 Gauge, Add</i>	4.24	
<i>For 22 Gauge, Add</i>	8.46	
<i>For 20 Gauge, Add</i>	12.72	
<i>For 18 Gauge, Add</i>	16.90	
<i>For 16 Gauge, Add</i>	20.74	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	22.73	
<i>For Work In Restricted Working Space, Add</i>	30.57	
23 31 13 16-0021 EA 16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow.....	156.08	56.03
<i>For 28 Gauge, Deduct</i>	-6.10	
<i>For 24 Gauge, Add</i>	6.07	
<i>For 22 Gauge, Add</i>	12.13	
<i>For 20 Gauge, Add</i>	18.22	
<i>For 18 Gauge, Add</i>	24.21	
<i>For 16 Gauge, Add</i>	29.71	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	32.57	
<i>For Work In Restricted Working Space, Add</i>	33.62	
23 31 13 16-0022 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbows <small>(23 31 13 16-0001)</small>		
23 31 13 16-0023 EA 4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	21.56	6.30
<i>For 28 Gauge, Deduct</i>	-0.80	
<i>For 24 Gauge, Add</i>	0.80	
<i>For 22 Gauge, Add</i>	1.60	
<i>For 20 Gauge, Add</i>	2.40	
<i>For 18 Gauge, Add</i>	3.19	
<i>For 16 Gauge, Add</i>	3.92	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.29	
<i>For Work In Restricted Working Space, Add</i>	4.73	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0024	EA		5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow	24.62	7.22
			<i>For 28 Gauge, Deduct</i>	-0.92	
			<i>For 24 Gauge, Add</i>	0.91	
			<i>For 22 Gauge, Add</i>	1.82	
			<i>For 20 Gauge, Add</i>	2.74	
			<i>For 18 Gauge, Add</i>	3.64	
			<i>For 16 Gauge, Add</i>	4.46	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.89	
			<i>For Work In Restricted Working Space, Add</i>	5.40	
23 31 13 16-0025	EA		6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow	28.54	8.41
			<i>For 28 Gauge, Deduct</i>	-1.04	
			<i>For 24 Gauge, Add</i>	1.04	
			<i>For 22 Gauge, Add</i>	2.07	
			<i>For 20 Gauge, Add</i>	3.12	
			<i>For 18 Gauge, Add</i>	4.14	
			<i>For 16 Gauge, Add</i>	5.08	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.57	
			<i>For Work In Restricted Working Space, Add</i>	6.30	
23 31 13 16-0026	EA		7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow	33.19	10.08
			<i>For 28 Gauge, Deduct</i>	-1.10	
			<i>For 24 Gauge, Add</i>	1.10	
			<i>For 22 Gauge, Add</i>	2.20	
			<i>For 20 Gauge, Add</i>	3.30	
			<i>For 18 Gauge, Add</i>	4.38	
			<i>For 16 Gauge, Add</i>	5.38	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.90	
			<i>For Work In Restricted Working Space, Add</i>	7.57	
23 31 13 16-0027	EA		8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow	40.78	12.60
			<i>For 28 Gauge, Deduct</i>	-1.28	
			<i>For 24 Gauge, Add</i>	1.28	
			<i>For 22 Gauge, Add</i>	2.55	
			<i>For 20 Gauge, Add</i>	3.83	
			<i>For 18 Gauge, Add</i>	5.09	
			<i>For 16 Gauge, Add</i>	6.25	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.85	
			<i>For Work In Restricted Working Space, Add</i>	9.46	
23 31 13 16-0028	EA		10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow	55.24	16.81
			<i>For 28 Gauge, Deduct</i>	-1.83	
			<i>For 24 Gauge, Add</i>	1.82	
			<i>For 22 Gauge, Add</i>	3.64	
			<i>For 20 Gauge, Add</i>	5.47	
			<i>For 18 Gauge, Add</i>	7.27	
			<i>For 16 Gauge, Add</i>	8.92	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	9.78	
			<i>For Work In Restricted Working Space, Add</i>	12.61	
23 31 13 16-0029	EA		12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow	80.54	25.22
			<i>For 28 Gauge, Deduct</i>	-2.42	
			<i>For 24 Gauge, Add</i>	2.42	
			<i>For 22 Gauge, Add</i>	4.82	
			<i>For 20 Gauge, Add</i>	7.25	
			<i>For 18 Gauge, Add</i>	9.63	
			<i>For 16 Gauge, Add</i>	11.81	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	12.95	
			<i>For Work In Restricted Working Space, Add</i>	18.91	
23 31 13 16-0030	EA		14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow	113.30	32.21
			<i>For 28 Gauge, Deduct</i>	-4.54	
			<i>For 24 Gauge, Add</i>	4.52	
			<i>For 22 Gauge, Add</i>	9.02	
			<i>For 20 Gauge, Add</i>	13.56	
			<i>For 18 Gauge, Add</i>	18.01	
			<i>For 16 Gauge, Add</i>	22.11	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	24.24	
			<i>For Work In Restricted Working Space, Add</i>	24.17	
23 31 13 16-0031	EA		16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow	141.64	40.62
			<i>For 28 Gauge, Deduct</i>	-5.55	
			<i>For 24 Gauge, Add</i>	5.53	
			<i>For 22 Gauge, Add</i>	11.04	
			<i>For 20 Gauge, Add</i>	16.59	
			<i>For 18 Gauge, Add</i>	22.04	
			<i>For 16 Gauge, Add</i>	27.05	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	29.66	
			<i>For Work In Restricted Working Space, Add</i>	30.47	

23 31 13 16-0032 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbows (23 31 13 16-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0033 EA 4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....	19.40	6.30
<i>For 28 Gauge, Deduct</i>	-0.50	
<i>For 24 Gauge, Add</i>	0.50	
<i>For 22 Gauge, Add</i>	1.00	
<i>For 20 Gauge, Add</i>	1.51	
<i>For 18 Gauge, Add</i>	2.00	
<i>For 16 Gauge, Add</i>	2.46	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.69	
<i>For Work In Restricted Working Space, Add</i>	4.73	
23 31 13 16-0034 EA 5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....	22.69	7.22
<i>For 28 Gauge, Deduct</i>	-0.65	
<i>For 24 Gauge, Add</i>	0.65	
<i>For 22 Gauge, Add</i>	1.29	
<i>For 20 Gauge, Add</i>	1.94	
<i>For 18 Gauge, Add</i>	2.57	
<i>For 16 Gauge, Add</i>	3.16	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.46	
<i>For Work In Restricted Working Space, Add</i>	5.40	
23 31 13 16-0035 EA 6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....	26.12	8.41
<i>For 28 Gauge, Deduct</i>	-0.71	
<i>For 24 Gauge, Add</i>	0.71	
<i>For 22 Gauge, Add</i>	1.41	
<i>For 20 Gauge, Add</i>	2.12	
<i>For 18 Gauge, Add</i>	2.81	
<i>For 16 Gauge, Add</i>	3.45	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.78	
<i>For Work In Restricted Working Space, Add</i>	6.30	
23 31 13 16-0036 EA 7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....	31.14	10.08
<i>For 28 Gauge, Deduct</i>	-0.82	
<i>For 24 Gauge, Add</i>	0.82	
<i>For 22 Gauge, Add</i>	1.63	
<i>For 20 Gauge, Add</i>	2.45	
<i>For 18 Gauge, Add</i>	3.26	
<i>For 16 Gauge, Add</i>	4.00	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.38	
<i>For Work In Restricted Working Space, Add</i>	7.57	
23 31 13 16-0037 EA 8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....	38.25	12.60
<i>For 28 Gauge, Deduct</i>	-0.93	
<i>For 24 Gauge, Add</i>	0.93	
<i>For 22 Gauge, Add</i>	1.85	
<i>For 20 Gauge, Add</i>	2.79	
<i>For 18 Gauge, Add</i>	3.70	
<i>For 16 Gauge, Add</i>	4.54	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.98	
<i>For Work In Restricted Working Space, Add</i>	9.46	
23 31 13 16-0038 EA 10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....	52.29	16.81
<i>For 28 Gauge, Deduct</i>	-1.42	
<i>For 24 Gauge, Add</i>	1.42	
<i>For 22 Gauge, Add</i>	2.83	
<i>For 20 Gauge, Add</i>	4.25	
<i>For 18 Gauge, Add</i>	5.65	
<i>For 16 Gauge, Add</i>	6.93	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.60	
<i>For Work In Restricted Working Space, Add</i>	12.61	
23 31 13 16-0039 EA 12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....	76.26	25.22
<i>For 28 Gauge, Deduct</i>	-1.83	
<i>For 24 Gauge, Add</i>	1.82	
<i>For 22 Gauge, Add</i>	3.64	
<i>For 20 Gauge, Add</i>	5.47	
<i>For 18 Gauge, Add</i>	7.27	
<i>For 16 Gauge, Add</i>	8.92	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	9.78	
<i>For Work In Restricted Working Space, Add</i>	18.91	
23 31 13 16-0040 EA 14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....	103.44	32.21
<i>For 28 Gauge, Deduct</i>	-3.17	
<i>For 24 Gauge, Add</i>	3.16	
<i>For 22 Gauge, Add</i>	6.31	
<i>For 20 Gauge, Add</i>	9.48	
<i>For 18 Gauge, Add</i>	12.59	
<i>For 16 Gauge, Add</i>	15.45	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	16.94	
<i>For Work In Restricted Working Space, Add</i>	24.17	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 31 13 16-0041	EA	16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....	139.09		40.62
		<i>For 28 Gauge, Deduct</i>	-5.20		
		<i>For 24 Gauge, Add</i>	5.18		
		<i>For 22 Gauge, Add</i>	10.34		
		<i>For 20 Gauge, Add</i>	15.54		
		<i>For 18 Gauge, Add</i>	20.64		
		<i>For 16 Gauge, Add</i>	25.33		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	27.77		
		<i>For Work In Restricted Working Space, Add</i>	30.47		
23 31 13 16-0042		26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tees (23 31 13 16-0001)			
23 31 13 16-0043	EA	4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	31.75		9.46
		<i>For 28 Gauge, Deduct</i>	-1.12		
		<i>For 24 Gauge, Add</i>	1.12		
		<i>For 22 Gauge, Add</i>	2.24		
		<i>For 20 Gauge, Add</i>	3.36		
		<i>For 18 Gauge, Add</i>	4.47		
		<i>For 16 Gauge, Add</i>	5.48		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.01		
		<i>For Work In Restricted Working Space, Add</i>	7.09		
23 31 13 16-0044	EA	5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	37.80		10.79
		<i>For 28 Gauge, Deduct</i>	-1.49		
		<i>For 24 Gauge, Add</i>	1.49		
		<i>For 22 Gauge, Add</i>	2.97		
		<i>For 20 Gauge, Add</i>	4.46		
		<i>For 18 Gauge, Add</i>	5.93		
		<i>For 16 Gauge, Add</i>	7.28		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.98		
		<i>For Work In Restricted Working Space, Add</i>	8.11		
23 31 13 16-0045	EA	6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	43.22		12.60
		<i>For 28 Gauge, Deduct</i>	-1.62		
		<i>For 24 Gauge, Add</i>	1.61		
		<i>For 22 Gauge, Add</i>	3.22		
		<i>For 20 Gauge, Add</i>	4.84		
		<i>For 18 Gauge, Add</i>	6.44		
		<i>For 16 Gauge, Add</i>	7.90		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.66		
		<i>For Work In Restricted Working Space, Add</i>	9.46		
23 31 13 16-0046	EA	7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	51.29		15.12
		<i>For 28 Gauge, Deduct</i>	-1.87		
		<i>For 24 Gauge, Add</i>	1.86		
		<i>For 22 Gauge, Add</i>	3.71		
		<i>For 20 Gauge, Add</i>	5.58		
		<i>For 18 Gauge, Add</i>	7.41		
		<i>For 16 Gauge, Add</i>	9.09		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	9.97		
		<i>For Work In Restricted Working Space, Add</i>	11.35		
23 31 13 16-0047	EA	8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	69.05		18.91
		<i>For 28 Gauge, Deduct</i>	-3.02		
		<i>For 24 Gauge, Add</i>	3.00		
		<i>For 22 Gauge, Add</i>	6.00		
		<i>For 20 Gauge, Add</i>	9.01		
		<i>For 18 Gauge, Add</i>	11.97		
		<i>For 16 Gauge, Add</i>	14.69		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	16.11		
		<i>For Work In Restricted Working Space, Add</i>	14.18		
23 31 13 16-0048	EA	10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	90.81		25.22
		<i>For 28 Gauge, Deduct</i>	-3.85		
		<i>For 24 Gauge, Add</i>	3.83		
		<i>For 22 Gauge, Add</i>	7.65		
		<i>For 20 Gauge, Add</i>	11.50		
		<i>For 18 Gauge, Add</i>	15.27		
		<i>For 16 Gauge, Add</i>	18.74		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	20.55		
		<i>For Work In Restricted Working Space, Add</i>	18.91		
23 31 13 16-0049	EA	12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	122.30		37.82
		<i>For 28 Gauge, Deduct</i>	-3.85		
		<i>For 24 Gauge, Add</i>	3.83		
		<i>For 22 Gauge, Add</i>	7.65		
		<i>For 20 Gauge, Add</i>	11.50		
		<i>For 18 Gauge, Add</i>	15.27		
		<i>For 16 Gauge, Add</i>	18.74		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	20.55		
		<i>For Work In Restricted Working Space, Add</i>	28.36		
23 31 13 16-0050	EA	14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	173.65		48.18
		<i>For 28 Gauge, Deduct</i>	-7.33		
		<i>For 24 Gauge, Add</i>	7.30		
		<i>For 22 Gauge, Add</i>	14.57		
		<i>For 20 Gauge, Add</i>	21.90		
		<i>For 18 Gauge, Add</i>	29.09		
		<i>For 16 Gauge, Add</i>	35.70		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	39.14		
		<i>For Work In Restricted Working Space, Add</i>	36.23		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0051 EA 16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	226.51	61.07
<i>For 28 Gauge, Deduct</i>	-10.28	
<i>For 24 Gauge, Add</i>	10.25	
<i>For 22 Gauge, Add</i>	20.46	
<i>For 20 Gauge, Add</i>	30.74	
<i>For 18 Gauge, Add</i>	40.84	
<i>For 16 Gauge, Add</i>	50.12	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	54.95	
<i>For Work In Restricted Working Space, Add</i>	45.68	
 23 31 13 16-0052 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connectors <small>(23 31 13 16-0001)</small>		
23 31 13 16-0053 EA 4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	13.93	
<i>For Work In Restricted Working Space, Add</i>	3.36	
23 31 13 16-0054 EA 5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	14.71	
<i>For Work In Restricted Working Space, Add</i>	3.53	
23 31 13 16-0055 EA 6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	15.75	
<i>For Work In Restricted Working Space, Add</i>	3.78	
23 31 13 16-0056 EA 7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	16.91	
<i>For Work In Restricted Working Space, Add</i>	3.99	
23 31 13 16-0057 EA 8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	18.43	
<i>For Work In Restricted Working Space, Add</i>	4.31	
23 31 13 16-0058 EA 10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	22.45	
<i>For Work In Restricted Working Space, Add</i>	4.81	
23 31 13 16-0059 EA 12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	30.14	
<i>For Work In Restricted Working Space, Add</i>	6.72	
23 31 13 16-0060 EA 14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	34.50	
<i>For Work In Restricted Working Space, Add</i>	7.65	
23 31 13 16-0061 EA 16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	38.02	
<i>For Work In Restricted Working Space, Add</i>	8.39	
 23 31 13 19 Metal Duct Fittings <small>(23 31 13)</small>		
23 31 13 19-0001 Sheet Metal Baffles <small>(23 31 13 19)</small>		
23 31 13 19-0002 LF Sheet Metal Baffles Under Raised Floor.....	24.85	19.57
<i>For Work In Restricted Working Space, Add</i>	7.16	
 23 31 13 23 Galvanized Steel Welded Duct <small>(23 31 13)</small>		
<small>Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.</small>		
23 31 13 23-0001 Welded Steel Ductwork <small>(23 31 13 23)</small>		
<small>Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.</small>		
23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen <small>(23 31 13 23-0001)</small>		
<small>Note: Also includes special exhaust systems and waste.</small>		
23 31 13 23-0003 LB Galvanized Steel Welded Duct	15.98	5.93
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.02	
<i>For Work In Restricted Working Space, Add</i>	3.57	
 23 31 13 23-0004 Black Steel Ductwork <small>(23 31 13 23-0001)</small>		
23 31 13 23-0005 LB Black Steel Ductwork.....	13.15	6.12
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	0.68	
<i>For Work In Restricted Working Space, Add</i>	3.67	
 23 31 13 33 Duct Boots <small>(23 31 13)</small>		
23 31 13 33-0001 Duct Register Boots <small>(23 31 13 33)</small>		
23 31 13 33-0002 EA 10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	27.12	8.75
<i>For Stainless Steel, Add</i>	12.49	
23 31 13 33-0003 EA 10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	27.12	8.75
<i>For Stainless Steel, Add</i>	12.49	
23 31 13 33-0004 EA 12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	28.74	9.46
<i>For Stainless Steel, Add</i>	12.78	
23 31 13 33-0005 EA 12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	28.74	9.46
<i>For Stainless Steel, Add</i>	12.78	
23 31 13 33-0006 EA 12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	31.11	9.46
<i>For Stainless Steel, Add</i>	15.86	
23 31 13 33-0007 EA 14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	31.32	10.15
<i>For Stainless Steel, Add</i>	14.30	
23 31 13 33-0008 EA 14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	31.32	10.15
<i>For Stainless Steel, Add</i>	14.30	
23 31 13 33-0009 EA 14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	32.79	10.15
<i>For Stainless Steel, Add</i>	16.21	
23 31 13 33-0010 EA 10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	30.36	10.86
<i>For Stainless Steel, Add</i>	11.25	
23 31 13 33-0011 EA 12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	32.02	11.55
<i>For Stainless Steel, Add</i>	11.58	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 33-0012	EA	12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	38.06	11.55
			<i>For Stainless Steel, Add</i>	19.44	
23 31	13 33-0013	EA	14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	33.95	12.26
			<i>For Stainless Steel, Add</i>	12.27	
23 31	13 33-0014	EA	14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	39.87	12.26
			<i>For Stainless Steel, Add</i>	19.97	
23 31	13 33-0015	EA	12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel	27.30	9.46
			<i>For Stainless Steel, Add</i>	10.91	
23 31	13 33-0016	EA	12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	27.30	9.46
			<i>For Stainless Steel, Add</i>	10.91	
23 31	13 33-0017	EA	14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	29.68	10.15
			<i>For Stainless Steel, Add</i>	12.17	
23 31	13 33-0018	EA	14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel	31.09	10.15
			<i>For Stainless Steel, Add</i>	14.00	
23 31	13 33-0019	EA	10" x 4" x 6" Register Boot, Center, Galvanized Steel	30.55	10.86
			<i>For Stainless Steel, Add</i>	11.49	
23 31	13 33-0020	EA	12" x 4" x 6" Register Boot, Center, Galvanized Steel	32.19	11.55
			<i>For Stainless Steel, Add</i>	11.80	
23 31	13 33-0021	EA	12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	28.27	9.46
			<i>For Stainless Steel, Add</i>	12.17	
23 31	13 33-0022	EA	14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	30.25	10.15
			<i>For Stainless Steel, Add</i>	12.91	
23 31	13 33-0023	EA	10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	27.12	8.75
			<i>For Stainless Steel, Add</i>	12.49	
23 31	13 33-0024	EA	12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	28.74	9.46
			<i>For Stainless Steel, Add</i>	12.78	
23 31	13 33-0025	EA	14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel	31.32	10.15
			<i>For Stainless Steel, Add</i>	14.30	
23 31	13 33-0026	EA	14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	31.32	10.15
			<i>For Stainless Steel, Add</i>	14.30	
23 31	13 33-0027	EA	10" x 4" x 6" Register Boot, Universal, Galvanized Steel	30.36	10.86
			<i>For Stainless Steel, Add</i>	11.25	
23 31	13 33-0028	EA	12" x 4" x 6" Register Boot, Universal, Galvanized Steel	32.02	11.55
			<i>For Stainless Steel, Add</i>	11.58	
23 31	13 33-0029	EA	12" x 4" x 7" Register Boot, Universal, Galvanized Steel	38.06	11.55
			<i>For Stainless Steel, Add</i>	19.44	
23 31	13 33-0030	EA	14" x 4" x 7" Register Boot, Universal, Galvanized Steel	39.46	12.26
			<i>For Stainless Steel, Add</i>	19.44	

23 31 16 Nonmetal Ducts (23 31)**23 31 16 13 Fibrous-Glass Ducts (23 31 16)****23 31 16 13-0001****Glass Fiber Duct Board (23 31 16 13)**

Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.

23 31	16 13-0002	SF	1" Glass Fiber Duct Board (EI-475)	6.05	1.22
23 31	16 13-0003	SF	1-1/2" Glass Fiber Duct Board (EI-800)	7.10	1.34
23 31	16 13-0004	SF	2" Glass Fiber Duct Board (EI-800)	8.22	1.48

23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts (23 31 16)**23 31 16 16-0001****Round Fiber Reinforced Plastic Duct (23 31 16 16)****23 31 16 16-0002****Round Fiber Reinforced Plastic Duct (23 31 16 16-0001)**

23 31	16 16-0003	LF	2" Fiber Reinforced Plastic Duct	10.95	3.43
23 31	16 16-0004	LF	3" Fiber Reinforced Plastic Duct	13.75	4.01
23 31	16 16-0005	LF	4" Fiber Reinforced Plastic Duct	18.60	5.89
23 31	16 16-0006	LF	6" Fiber Reinforced Plastic Duct	24.69	7.45
23 31	16 16-0007	LF	8" Fiber Reinforced Plastic Duct	31.30	9.33
23 31	16 16-0008	LF	10" Fiber Reinforced Plastic Duct	37.77	11.20
23 31	16 16-0009	LF	12" Fiber Reinforced Plastic Duct	42.46	13.08
23 31	16 16-0010	LF	14" Fiber Reinforced Plastic Duct	48.51	14.31
23 31	16 16-0011	LF	16" Fiber Reinforced Plastic Duct	52.46	15.22
23 31	16 16-0012	LF	18" Fiber Reinforced Plastic Duct	65.44	17.10
23 31	16 16-0013	LF	20" Fiber Reinforced Plastic Duct	68.78	18.33
23 31	16 16-0014	LF	24" Fiber Reinforced Plastic Duct	85.18	19.56
23 31	16 16-0015	LF	30" Fiber Reinforced Plastic Duct	97.54	22.67
23 31	16 16-0016	LF	36" Fiber Reinforced Plastic Duct	112.46	27.33
23 31	16 16-0017	LF	42" Fiber Reinforced Plastic Duct	151.08	30.44
23 31	16 16-0018	LF	48" Fiber Reinforced Plastic Duct	169.25	34.20
23 31	16 16-0019	LF	54" Fiber Reinforced Plastic Duct	187.88	39.19
23 31	16 16-0020	LF	60" Fiber Reinforced Plastic Duct	213.10	45.72
23 31	16 16-0021	LF	66" Fiber Reinforced Plastic Duct	227.80	55.96
23 31	16 16-0022	LF	72" Fiber Reinforced Plastic Duct	277.98	68.39

23 31 16 16-0023**Fiber Reinforced Plastic Bell (23 31 16 16-0001)**

23 31	16 16-0024	EA	2" Fiber Reinforced Plastic Bell	44.83	13.93
23 31	16 16-0025	EA	3" Fiber Reinforced Plastic Bell	54.26	16.52
23 31	16 16-0026	EA	4" Fiber Reinforced Plastic Bell	62.20	19.43
23 31	16 16-0027	EA	6" Fiber Reinforced Plastic Bell	81.53	25.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0028 EA 8" Fiber Reinforced Plastic Bell	98.73	32.38
23 31 16 16-0029 EA 10" Fiber Reinforced Plastic Bell.....	113.81	38.85
23 31 16 16-0030 EA 12" Fiber Reinforced Plastic Bell.....	141.08	48.25
23 31 16 16-0031 EA 14" Fiber Reinforced Plastic Bell.....	151.15	51.81
23 31 16 16-0032 EA 16" Fiber Reinforced Plastic Bell.....	163.81	55.37
23 31 16 16-0033 EA 18" Fiber Reinforced Plastic Bell.....	176.48	59.59
23 31 16 16-0034 EA 20" Fiber Reinforced Plastic Bell.....	193.22	64.76
23 31 16 16-0035 EA 24" Fiber Reinforced Plastic Bell.....	227.40	71.24
23 31 16 16-0036 EA 30" Fiber Reinforced Plastic Bell.....	267.94	77.72
23 31 16 16-0037 EA 36" Fiber Reinforced Plastic Bell.....	304.37	87.43
23 31 16 16-0038 EA 42" Fiber Reinforced Plastic Bell.....	340.78	97.15
23 31 16 16-0039 EA 48" Fiber Reinforced Plastic Bell.....	377.17	106.86
23 31 16 16-0040 EA 54" Fiber Reinforced Plastic Bell.....	471.35	129.53
23 31 16 16-0041 EA 60" Fiber Reinforced Plastic Bell.....	557.34	161.91
23 31 16 16-0042 EA 66" Fiber Reinforced Plastic Bell.....	668.78	194.29
23 31 16 16-0043 EA 72" Fiber Reinforced Plastic Bell.....	767.38	220.20
23 31 16 16-0044 Fiber Reinforced Plastic Flange (23 31 16 16-0001)		
23 31 16 16-0045 EA 2" Fiber Reinforced Plastic Flange.....	78.80	13.93
23 31 16 16-0046 EA 3" Fiber Reinforced Plastic Flange.....	90.35	16.52
23 31 16 16-0047 EA 4" Fiber Reinforced Plastic Flange.....	102.54	19.43
23 31 16 16-0048 EA 6" Fiber Reinforced Plastic Flange.....	132.48	25.91
23 31 16 16-0049 EA 8" Fiber Reinforced Plastic Flange.....	160.29	32.38
23 31 16 16-0050 EA 10" Fiber Reinforced Plastic Flange.....	188.11	38.85
23 31 16 16-0051 EA 12" Fiber Reinforced Plastic Flange.....	219.63	48.25
23 31 16 16-0052 EA 14" Fiber Reinforced Plastic Flange.....	246.68	51.81
23 31 16 16-0053 EA 16" Fiber Reinforced Plastic Flange.....	269.96	55.37
23 31 16 16-0054 EA 18" Fiber Reinforced Plastic Flange.....	286.87	59.59
23 31 16 16-0055 EA 20" Fiber Reinforced Plastic Flange.....	299.36	64.76
23 31 16 16-0056 EA 24" Fiber Reinforced Plastic Flange.....	354.77	71.24
23 31 16 16-0057 EA 30" Fiber Reinforced Plastic Flange.....	391.07	77.72
23 31 16 16-0058 EA 36" Fiber Reinforced Plastic Flange.....	489.06	87.43
23 31 16 16-0059 EA 42" Fiber Reinforced Plastic Flange.....	544.58	97.15
23 31 16 16-0060 EA 48" Fiber Reinforced Plastic Flange.....	621.31	106.86
23 31 16 16-0061 EA 54" Fiber Reinforced Plastic Flange.....	726.10	129.53
23 31 16 16-0062 EA 60" Fiber Reinforced Plastic Flange.....	860.92	161.91
23 31 16 16-0063 EA 66" Fiber Reinforced Plastic Flange.....	995.71	194.29
23 31 16 16-0064 EA 72" Fiber Reinforced Plastic Flange.....	1,141.01	220.20
23 31 16 16-0065 Fiber Reinforced Plastic 90 Degree Elbow (23 31 16 16-0001)		
23 31 16 16-0066 EA 2" Fiber Reinforced Plastic 90 Degree Elbow	126.02	33.55
23 31 16 16-0067 EA 3" Fiber Reinforced Plastic 90 Degree Elbow	147.51	40.08
23 31 16 16-0068 EA 4" Fiber Reinforced Plastic 90 Degree Elbow	171.13	46.63
23 31 16 16-0069 EA 6" Fiber Reinforced Plastic 90 Degree Elbow	220.38	62.18
23 31 16 16-0070 EA 8" Fiber Reinforced Plastic 90 Degree Elbow	269.64	77.72
23 31 16 16-0071 EA 10" Fiber Reinforced Plastic 90 Degree Elbow	318.91	93.26
23 31 16 16-0072 EA 12" Fiber Reinforced Plastic 90 Degree Elbow	390.71	116.00
23 31 16 16-0073 EA 14" Fiber Reinforced Plastic 90 Degree Elbow	448.81	122.79
23 31 16 16-0074 EA 16" Fiber Reinforced Plastic 90 Degree Elbow	515.24	133.35
23 31 16 16-0075 EA 18" Fiber Reinforced Plastic 90 Degree Elbow	624.72	143.00
23 31 16 16-0076 EA 20" Fiber Reinforced Plastic 90 Degree Elbow	726.14	155.44
23 31 16 16-0077 EA 24" Fiber Reinforced Plastic 90 Degree Elbow	847.58	170.98
23 31 16 16-0078 EA 30" Fiber Reinforced Plastic 90 Degree Elbow	1,170.66	186.53
23 31 16 16-0079 EA 36" Fiber Reinforced Plastic 90 Degree Elbow	1,517.39	209.84
23 31 16 16-0080 EA 42" Fiber Reinforced Plastic 90 Degree Elbow	2,023.30	233.22
23 31 16 16-0081 EA 48" Fiber Reinforced Plastic 90 Degree Elbow	2,412.48	256.53
23 31 16 16-0082 EA 54" Fiber Reinforced Plastic 90 Degree Elbow	2,853.32	310.87
23 31 16 16-0083 EA 60" Fiber Reinforced Plastic 90 Degree Elbow	3,449.89	388.58
23 31 16 16-0084 EA 66" Fiber Reinforced Plastic 90 Degree Elbow	4,046.22	466.17
23 31 16 16-0085 EA 72" Fiber Reinforced Plastic 90 Degree Elbow	4,616.77	528.29
23 31 16 16-0086 Fiber Reinforced Plastic 45 Degree Elbow (23 31 16 16-0001)		
23 31 16 16-0087 EA 2" Fiber Reinforced Plastic 45 Degree Elbow	102.66	33.55
23 31 16 16-0088 EA 3" Fiber Reinforced Plastic 45 Degree Elbow	119.91	40.08
23 31 16 16-0089 EA 4" Fiber Reinforced Plastic 45 Degree Elbow	139.26	46.63
23 31 16 16-0090 EA 6" Fiber Reinforced Plastic 45 Degree Elbow	173.68	62.18
23 31 16 16-0091 EA 8" Fiber Reinforced Plastic 45 Degree Elbow	208.08	77.72
23 31 16 16-0092 EA 10" Fiber Reinforced Plastic 45 Degree Elbow	246.78	93.26
23 31 16 16-0093 EA 12" Fiber Reinforced Plastic 45 Degree Elbow	303.71	116.00
23 31 16 16-0094 EA 14" Fiber Reinforced Plastic 45 Degree Elbow	332.00	122.79
23 31 16 16-0095 EA 16" Fiber Reinforced Plastic 45 Degree Elbow	404.73	133.28
23 31 16 16-0096 EA 18" Fiber Reinforced Plastic 45 Degree Elbow	472.05	143.13
23 31 16 16-0097 EA 20" Fiber Reinforced Plastic 45 Degree Elbow	552.02	155.44
23 31 16 16-0098 EA 24" Fiber Reinforced Plastic 45 Degree Elbow	641.36	170.85
23 31 16 16-0099 EA 30" Fiber Reinforced Plastic 45 Degree Elbow	830.77	186.40
23 31 16 16-0100 EA 36" Fiber Reinforced Plastic 45 Degree Elbow	1,027.29	210.03
23 31 16 16-0101 EA 42" Fiber Reinforced Plastic 45 Degree Elbow	1,329.37	233.35
23 31 16 16-0102 EA 48" Fiber Reinforced Plastic 45 Degree Elbow	1,573.93	256.53

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0103 EA 54" Fiber Reinforced Plastic 45 Degree Elbow	1,872.53	310.87
23 31 16 16-0104 EA 60" Fiber Reinforced Plastic 45 Degree Elbow	2,235.58	388.58
23 31 16 16-0105 EA 66" Fiber Reinforced Plastic 45 Degree Elbow	2,622.38	465.27
23 31 16 16-0106 EA 72" Fiber Reinforced Plastic 45 Degree Elbow	2,961.84	528.80
23 31 16 16-0107 Fiber Reinforced Plastic Tee (23 31 16 16-0001)		
23 31 16 16-0108 EA 2" Fiber Reinforced Plastic Tee	157.72	50.07
23 31 16 16-0109 EA 3" Fiber Reinforced Plastic Tee	185.43	60.29
23 31 16 16-0110 EA 4" Fiber Reinforced Plastic Tee	212.10	69.94
23 31 16 16-0111 EA 6" Fiber Reinforced Plastic Tee	272.21	93.26
23 31 16 16-0112 EA 8" Fiber Reinforced Plastic Tee	331.27	116.00
23 31 16 16-0113 EA 10" Fiber Reinforced Plastic Tee	393.39	140.54
23 31 16 16-0114 EA 12" Fiber Reinforced Plastic Tee	474.97	170.33
23 31 16 16-0115 EA 14" Fiber Reinforced Plastic Tee	519.52	184.32
23 31 16 16-0116 EA 16" Fiber Reinforced Plastic Tee	609.68	200.25
23 31 16 16-0117 EA 18" Fiber Reinforced Plastic Tee	697.17	214.50
23 31 16 16-0118 EA 20" Fiber Reinforced Plastic Tee	813.23	233.22
23 31 16 16-0119 EA 24" Fiber Reinforced Plastic Tee	937.05	256.53
23 31 16 16-0120 EA 30" Fiber Reinforced Plastic Tee	1,134.92	279.71
23 31 16 16-0121 EA 36" Fiber Reinforced Plastic Tee	1,374.00	314.89
23 31 16 16-0122 EA 42" Fiber Reinforced Plastic Tee	1,856.79	349.86
23 31 16 16-0123 EA 48" Fiber Reinforced Plastic Tee	2,233.67	384.89
23 31 16 16-0124 EA 54" Fiber Reinforced Plastic Tee	2,688.30	466.62
23 31 16 16-0125 EA 60" Fiber Reinforced Plastic Tee	3,200.93	583.14
23 31 16 16-0126 EA 66" Fiber Reinforced Plastic Tee	3,713.17	699.40
23 31 16 16-0127 EA 72" Fiber Reinforced Plastic Tee	4,187.66	793.04
23 31 16 16-0128 Fiber Reinforced Plastic Lateral Joint (23 31 16 16-0001)		
23 31 16 16-0129 EA 2" Fiber Reinforced Plastic Lateral Joint	125.87	50.07
23 31 16 16-0130 EA 3" Fiber Reinforced Plastic Lateral Joint	147.19	60.29
23 31 16 16-0131 EA 4" Fiber Reinforced Plastic Lateral Joint	167.54	69.94
23 31 16 16-0132 EA 6" Fiber Reinforced Plastic Lateral Joint	210.69	93.26
23 31 16 16-0133 EA 8" Fiber Reinforced Plastic Lateral Joint	252.76	116.00
23 31 16 16-0134 EA 10" Fiber Reinforced Plastic Lateral Joint	302.14	140.54
23 31 16 16-0135 EA 12" Fiber Reinforced Plastic Lateral Joint	360.48	170.46
23 31 16 16-0136 EA 14" Fiber Reinforced Plastic Lateral Joint	391.86	184.19
23 31 16 16-0137 EA 16" Fiber Reinforced Plastic Lateral Joint	431.49	200.31
23 31 16 16-0138 EA 18" Fiber Reinforced Plastic Lateral Joint	468.21	214.69
23 31 16 16-0139 EA 20" Fiber Reinforced Plastic Lateral Joint	512.05	233.35
23 31 16 16-0140 EA 24" Fiber Reinforced Plastic Lateral Joint	567.66	256.53
23 31 16 16-0141 EA 30" Fiber Reinforced Plastic Lateral Joint	629.39	279.59
23 31 16 16-0142 EA 36" Fiber Reinforced Plastic Lateral Joint	711.32	314.69
23 31 16 16-0143 EA 42" Fiber Reinforced Plastic Lateral Joint	795.75	350.05
23 31 16 16-0144 EA 48" Fiber Reinforced Plastic Lateral Joint	874.75	384.76
23 31 16 16-0145 EA 54" Fiber Reinforced Plastic Lateral Joint	1,040.80	465.27
23 31 16 16-0146 EA 60" Fiber Reinforced Plastic Lateral Joint	1,260.19	584.17
23 31 16 16-0147 EA 66" Fiber Reinforced Plastic Lateral Joint	1,527.40	699.91
23 31 16 16-0148 EA 72" Fiber Reinforced Plastic Lateral Joint	1,703.85	793.04
23 31 16 16-0149 Fiber Reinforced Plastic One Piece Reducer (23 31 16 16-0001)		
23 31 16 16-0150 EA 2" Fiber Reinforced Plastic One Piece Reducer	111.18	33.61
23 31 16 16-0151 EA 3" Fiber Reinforced Plastic One Piece Reducer	130.56	40.16
23 31 16 16-0152 EA 4" Fiber Reinforced Plastic One Piece Reducer	154.18	46.63
23 31 16 16-0153 EA 6" Fiber Reinforced Plastic One Piece Reducer	197.03	62.18
23 31 16 16-0154 EA 8" Fiber Reinforced Plastic One Piece Reducer	235.68	77.72
23 31 16 16-0155 EA 10" Fiber Reinforced Plastic One Piece Reducer	283.44	93.65
23 31 16 16-0156 EA 12" Fiber Reinforced Plastic One Piece Reducer	333.43	116.00
23 31 16 16-0157 EA 14" Fiber Reinforced Plastic One Piece Reducer	357.47	122.79
23 31 16 16-0158 EA 16" Fiber Reinforced Plastic One Piece Reducer	396.24	133.28
23 31 16 16-0159 EA 18" Fiber Reinforced Plastic One Piece Reducer	438.08	143.13
23 31 16 16-0160 EA 20" Fiber Reinforced Plastic One Piece Reducer	492.58	155.44
23 31 16 16-0161 EA 24" Fiber Reinforced Plastic One Piece Reducer	565.54	171.17
23 31 16 16-0162 EA 30" Fiber Reinforced Plastic One Piece Reducer	638.30	186.85
23 31 16 16-0163 EA 36" Fiber Reinforced Plastic One Piece Reducer	723.71	210.03
23 31 16 16-0164 EA 42" Fiber Reinforced Plastic One Piece Reducer	809.26	233.35
23 31 16 16-0165 EA 48" Fiber Reinforced Plastic One Piece Reducer	915.82	256.53
23 31 16 16-0166 EA 54" Fiber Reinforced Plastic One Piece Reducer	1,080.68	310.87
23 31 16 16-0167 EA 60" Fiber Reinforced Plastic One Piece Reducer	1,278.15	388.58
23 31 16 16-0168 EA 66" Fiber Reinforced Plastic One Piece Reducer	1,412.32	465.27
23 31 16 16-0169 EA 72" Fiber Reinforced Plastic One Piece Reducer	1,581.94	528.80
23 31 16 16-0170 Fiber Reinforced Plastic Two Piece Reducer (23 31 16 16-0001)		
23 31 16 16-0171 EA 2" Fiber Reinforced Plastic Two Piece Reducer	136.65	33.61
23 31 16 16-0172 EA 3" Fiber Reinforced Plastic Two Piece Reducer	147.54	40.16
23 31 16 16-0173 EA 4" Fiber Reinforced Plastic Two Piece Reducer	171.16	46.63
23 31 16 16-0174 EA 6" Fiber Reinforced Plastic Two Piece Reducer	220.38	62.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0175 EA 8" Fiber Reinforced Plastic Two Piece Reducer	269.64	77.72
23 31 16 16-0176 EA 10" Fiber Reinforced Plastic Two Piece Reducer	319.52	93.65
23 31 16 16-0177 EA 12" Fiber Reinforced Plastic Two Piece Reducer	380.14	116.00
23 31 16 16-0178 EA 14" Fiber Reinforced Plastic Two Piece Reducer	416.91	122.79
23 31 16 16-0179 EA 16" Fiber Reinforced Plastic Two Piece Reducer	455.68	133.28
23 31 16 16-0180 EA 18" Fiber Reinforced Plastic Two Piece Reducer	518.76	143.13
23 31 16 16-0181 EA 20" Fiber Reinforced Plastic Two Piece Reducer	670.91	155.44
23 31 16 16-0182 EA 24" Fiber Reinforced Plastic Two Piece Reducer	826.65	171.17
23 31 16 16-0183 EA 30" Fiber Reinforced Plastic Two Piece Reducer	884.56	186.85
23 31 16 16-0184 EA 36" Fiber Reinforced Plastic Two Piece Reducer	1,008.19	210.03
23 31 16 16-0185 EA 42" Fiber Reinforced Plastic Two Piece Reducer	1,089.48	233.35
23 31 16 16-0186 EA 48" Fiber Reinforced Plastic Two Piece Reducer	1,191.80	256.53
23 31 16 16-0187 EA 54" Fiber Reinforced Plastic Two Piece Reducer	1,303.59	310.87
23 31 16 16-0188 EA 60" Fiber Reinforced Plastic Two Piece Reducer	1,488.32	388.58
23 31 16 16-0189 EA 66" Fiber Reinforced Plastic Two Piece Reducer	1,645.84	465.27
23 31 16 16-0190 EA 72" Fiber Reinforced Plastic Two Piece Reducer	1,794.24	528.80

23 31 16 16-0191 Fiber Reinforced Plastic Butterfly Dampers (23 31 16 16-0001)

23 31 16 16-0192 EA 2" Fiber Reinforced Plastic Damper	257.63	33.55
23 31 16 16-0193 EA 3" Fiber Reinforced Plastic Damper	289.75	40.08
23 31 16 16-0194 EA 4" Fiber Reinforced Plastic Damper	321.86	46.63
23 31 16 16-0195 EA 6" Fiber Reinforced Plastic Damper	379.60	62.18
23 31 16 16-0196 EA 8" Fiber Reinforced Plastic Damper	447.97	77.72
23 31 16 16-0197 EA 10" Fiber Reinforced Plastic Damper	505.73	93.26
23 31 16 16-0198 EA 12" Fiber Reinforced Plastic Damper	575.41	116.00
23 31 16 16-0199 EA 14" Fiber Reinforced Plastic Damper	639.87	122.79
23 31 16 16-0200 EA 16" Fiber Reinforced Plastic Damper	710.55	133.35
23 31 16 16-0201 EA 18" Fiber Reinforced Plastic Damper	779.69	143.00
23 31 16 16-0202 EA 20" Fiber Reinforced Plastic Damper	832.29	155.44
23 31 16 16-0203 EA 24" Fiber Reinforced Plastic Damper	943.12	170.98
23 31 16 16-0204 EA 30" Fiber Reinforced Plastic Damper	1,096.36	186.53
23 31 16 16-0205 EA 36" Fiber Reinforced Plastic Damper	1,262.64	209.84
23 31 16 16-0206 EA 42" Fiber Reinforced Plastic Damper	1,450.11	233.22
23 31 16 16-0207 EA 48" Fiber Reinforced Plastic Damper	1,616.39	256.53
23 31 16 16-0208 EA 54" Fiber Reinforced Plastic Damper	1,898.01	310.87
23 31 16 16-0209 EA 60" Fiber Reinforced Plastic Damper	2,218.60	388.58
23 31 16 16-0210 EA 66" Fiber Reinforced Plastic Damper	2,517.71	466.17
23 31 16 16-0211 EA 72" Fiber Reinforced Plastic Damper	2,897.20	528.29

23 33 Air Duct Accessories (23 30)

23 33 13 Dampers (23 33)

23 33 13 13 Volume-Control Dampers (23 33 13)

23 33 13 13-0001 Radial Opposed Blade Damper Steel Construction (23 33 13 13)

23 33 13 13-0002 EA 6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	35.65	5.61
For Stainless Steel, Add	18.08	
For Parallel Blade Damper, Add	5.56	
23 33 13 13-0003 EA 7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	39.34	6.30
For Stainless Steel, Add	18.36	
For Parallel Blade Damper, Add	5.65	
23 33 13 13-0004 EA 8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	43.58	7.01
For Stainless Steel, Add	18.54	
For Parallel Blade Damper, Add	5.70	
23 33 13 13-0005 EA 10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	47.48	8.41
For Stainless Steel, Add	19.71	
For Parallel Blade Damper, Add	6.06	
23 33 13 13-0006 EA 12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	52.07	9.10
For Stainless Steel, Add	20.87	
For Parallel Blade Damper, Add	6.42	
23 33 13 13-0007 EA 14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	59.90	9.81
For Stainless Steel, Add	26.66	
For Parallel Blade Damper, Add	8.20	
23 33 13 13-0008 EA 15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	65.77	10.51
For Stainless Steel, Add	28.98	
For Parallel Blade Damper, Add	8.92	
23 33 13 13-0009 EA 16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	69.87	11.91
For Stainless Steel, Add	30.13	
For Parallel Blade Damper, Add	9.27	
23 33 13 13-0010 EA 18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	76.28	12.60
For Stainless Steel, Add	33.61	
For Parallel Blade Damper, Add	10.34	
23 33 13 13-0011 EA 20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	86.91	14.00
For Stainless Steel, Add	41.73	
For Parallel Blade Damper, Add	12.84	
23 33 13 13-0012 EA 24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	93.86	14.00
For Stainless Steel, Add	47.52	
For Parallel Blade Damper, Add	14.62	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	13-0013		Rectangular Opposed Blade Damper <small>(23 33 13 13)</small>		
23 33 13	13-0014	EA	6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	52.08	7.78
			<i>For Stainless Steel, Add</i>	37.38	
			<i>For Parallel Blade Damper, Add</i>	11.50	
23 33 13	13-0015	EA	8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	55.17	8.12
			<i>For Stainless Steel, Add</i>	40.03	
			<i>For Parallel Blade Damper, Add</i>	12.32	
23 33 13	13-0016	EA	8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	57.36	8.19
			<i>For Stainless Steel, Add</i>	42.69	
			<i>For Parallel Blade Damper, Add</i>	13.14	
23 33 13	13-0017	EA	10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	57.36	8.19
			<i>For Stainless Steel, Add</i>	42.69	
			<i>For Parallel Blade Damper, Add</i>	13.14	
23 33 13	13-0018	EA	10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	60.12	8.41
			<i>For Stainless Steel, Add</i>	45.37	
			<i>For Parallel Blade Damper, Add</i>	13.96	
23 33 13	13-0019	EA	10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	67.01	9.31
			<i>For Stainless Steel, Add</i>	50.69	
			<i>For Parallel Blade Damper, Add</i>	15.60	
23 33 13	13-0020	EA	12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	60.12	8.41
			<i>For Stainless Steel, Add</i>	45.37	
			<i>For Parallel Blade Damper, Add</i>	13.96	
23 33 13	13-0021	EA	12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	65.61	8.90
			<i>For Stainless Steel, Add</i>	50.69	
			<i>For Parallel Blade Damper, Add</i>	15.60	
23 33 13	13-0022	EA	12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	69.08	9.31
			<i>For Stainless Steel, Add</i>	53.38	
			<i>For Parallel Blade Damper, Add</i>	16.42	
23 33 13	13-0023	EA	12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	74.65	10.51
			<i>For Stainless Steel, Add</i>	56.06	
			<i>For Parallel Blade Damper, Add</i>	17.25	
23 33 13	13-0024	EA	14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	64.60	8.90
			<i>For Stainless Steel, Add</i>	49.37	
			<i>For Parallel Blade Damper, Add</i>	15.19	
23 33 13	13-0025	EA	14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	69.08	9.31
			<i>For Stainless Steel, Add</i>	53.38	
			<i>For Parallel Blade Damper, Add</i>	16.42	
23 33 13	13-0026	EA	14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	72.54	9.81
			<i>For Stainless Steel, Add</i>	56.06	
			<i>For Parallel Blade Damper, Add</i>	17.25	
23 33 13	13-0027	EA	14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	76.70	10.51
			<i>For Stainless Steel, Add</i>	58.72	
			<i>For Parallel Blade Damper, Add</i>	18.07	
23 33 13	13-0028	EA	14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	85.33	11.70
			<i>For Stainless Steel, Add</i>	65.39	
			<i>For Parallel Blade Damper, Add</i>	20.12	
23 33 13	13-0029	EA	16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	69.08	9.31
			<i>For Stainless Steel, Add</i>	53.38	
			<i>For Parallel Blade Damper, Add</i>	16.42	
23 33 13	13-0030	EA	16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	73.25	10.02
			<i>For Stainless Steel, Add</i>	56.06	
			<i>For Parallel Blade Damper, Add</i>	17.25	
23 33 13	13-0031	EA	16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	78.10	11.00
			<i>For Stainless Steel, Add</i>	58.72	
			<i>For Parallel Blade Damper, Add</i>	18.07	
23 33 13	13-0032	EA	16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	82.25	11.70
			<i>For Stainless Steel, Add</i>	61.39	
			<i>For Parallel Blade Damper, Add</i>	18.89	
23 33 13	13-0033	EA	16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	90.90	12.82
			<i>For Stainless Steel, Add</i>	68.08	
			<i>For Parallel Blade Damper, Add</i>	20.95	
23 33 13	13-0034	EA	16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	99.53	14.01
			<i>For Stainless Steel, Add</i>	74.74	
			<i>For Parallel Blade Damper, Add</i>	23.00	
23 33 13	13-0035	EA	18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	72.54	9.81
			<i>For Stainless Steel, Add</i>	56.06	
			<i>For Parallel Blade Damper, Add</i>	17.25	
23 33 13	13-0036	EA	18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	77.72	10.51
			<i>For Stainless Steel, Add</i>	60.05	
			<i>For Parallel Blade Damper, Add</i>	18.48	
23 33 13	13-0037	EA	18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	84.31	11.70
			<i>For Stainless Steel, Add</i>	64.06	
			<i>For Parallel Blade Damper, Add</i>	19.71	
23 33 13	13-0038	EA	18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	92.95	12.82
			<i>For Stainless Steel, Add</i>	70.75	
			<i>For Parallel Blade Damper, Add</i>	21.77	
23 33 13	13-0039	EA	18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	100.56	14.01
			<i>For Stainless Steel, Add</i>	76.08	
			<i>For Parallel Blade Damper, Add</i>	23.41	
23 33 13	13-0040	EA	18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	109.18	15.13
			<i>For Stainless Steel, Add</i>	82.73	
			<i>For Parallel Blade Damper, Add</i>	25.46	
23 33 13	13-0041	EA	18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	115.77	16.33
			<i>For Stainless Steel, Add</i>	86.75	
			<i>For Parallel Blade Damper, Add</i>	26.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0042 EA 20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	76.70	10.51
<i>For Stainless Steel, Add</i>	58.72	
<i>For Parallel Blade Damper, Add</i>	18.07	
23 33 13 13-0043 EA 20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	84.30	11.70
<i>For Stainless Steel, Add</i>	64.05	
<i>For Parallel Blade Damper, Add</i>	19.71	
23 33 13 13-0044 EA 20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	91.91	12.82
<i>For Stainless Steel, Add</i>	69.39	
<i>For Parallel Blade Damper, Add</i>	21.35	
23 33 13 13-0045 EA 20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	103.64	14.01
<i>For Stainless Steel, Add</i>	80.08	
<i>For Parallel Blade Damper, Add</i>	24.64	
23 33 13 13-0046 EA 20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	110.23	15.13
<i>For Stainless Steel, Add</i>	84.10	
<i>For Parallel Blade Damper, Add</i>	25.88	
23 33 13 13-0047 EA 20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	116.81	16.33
<i>For Stainless Steel, Add</i>	88.10	
<i>For Parallel Blade Damper, Add</i>	27.11	
23 33 13 13-0048 EA 20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	124.40	17.52
<i>For Stainless Steel, Add</i>	93.42	
<i>For Parallel Blade Damper, Add</i>	28.74	
23 33 13 13-0049 EA 20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	132.01	18.64
<i>For Stainless Steel, Add</i>	98.75	
<i>For Parallel Blade Damper, Add</i>	30.38	
23 33 13 13-0050 EA 24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	86.36	11.70
<i>For Stainless Steel, Add</i>	66.73	
<i>For Parallel Blade Damper, Add</i>	20.53	
23 33 13 13-0051 EA 24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	96.02	12.82
<i>For Stainless Steel, Add</i>	74.74	
<i>For Parallel Blade Damper, Add</i>	23.00	
23 33 13 13-0052 EA 24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	103.64	14.01
<i>For Stainless Steel, Add</i>	80.08	
<i>For Parallel Blade Damper, Add</i>	24.64	
23 33 13 13-0053 EA 24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	113.31	15.13
<i>For Stainless Steel, Add</i>	88.10	
<i>For Parallel Blade Damper, Add</i>	27.11	
23 33 13 13-0054 EA 24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	119.88	16.33
<i>For Stainless Steel, Add</i>	92.09	
<i>For Parallel Blade Damper, Add</i>	28.34	
23 33 13 13-0055 EA 24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	126.46	17.52
<i>For Stainless Steel, Add</i>	96.10	
<i>For Parallel Blade Damper, Add</i>	29.57	
23 33 13 13-0056 EA 24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	136.12	18.64
<i>For Stainless Steel, Add</i>	104.09	
<i>For Parallel Blade Damper, Add</i>	32.03	
23 33 13 13-0057 EA 24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	149.27	21.01
<i>For Stainless Steel, Add</i>	112.09	
<i>For Parallel Blade Damper, Add</i>	34.49	
23 33 13 13-0058 EA 24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	164.52	23.33
<i>For Stainless Steel, Add</i>	122.80	
<i>For Parallel Blade Damper, Add</i>	37.78	
23 33 13 13-0059 EA 28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	96.02	12.82
<i>For Stainless Steel, Add</i>	74.74	
<i>For Parallel Blade Damper, Add</i>	23.00	
23 33 13 13-0060 EA 28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	103.64	14.01
<i>For Stainless Steel, Add</i>	80.08	
<i>For Parallel Blade Damper, Add</i>	24.64	
23 33 13 13-0061 EA 28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	113.31	15.13
<i>For Stainless Steel, Add</i>	88.10	
<i>For Parallel Blade Damper, Add</i>	27.11	
23 33 13 13-0062 EA 28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	120.90	16.33
<i>For Stainless Steel, Add</i>	93.42	
<i>For Parallel Blade Damper, Add</i>	28.74	
23 33 13 13-0063 EA 28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	129.53	17.52
<i>For Stainless Steel, Add</i>	100.09	
<i>For Parallel Blade Damper, Add</i>	30.80	
23 33 13 13-0064 EA 28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	138.16	18.64
<i>For Stainless Steel, Add</i>	106.74	
<i>For Parallel Blade Damper, Add</i>	32.84	
23 33 13 13-0065 EA 28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	151.33	21.01
<i>For Stainless Steel, Add</i>	114.76	
<i>For Parallel Blade Damper, Add</i>	35.31	
23 33 13 13-0066 EA 28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	164.52	23.33
<i>For Stainless Steel, Add</i>	122.80	
<i>For Parallel Blade Damper, Add</i>	37.78	
23 33 13 13-0067 EA 28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	180.33	24.52
<i>For Stainless Steel, Add</i>	138.79	
<i>For Parallel Blade Damper, Add</i>	42.70	
23 33 13 13-0068 EA 28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	197.59	26.83
<i>For Stainless Steel, Add</i>	152.13	
<i>For Parallel Blade Damper, Add</i>	46.81	
23 33 13 13-0069 EA 32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	109.81	14.01
<i>For Stainless Steel, Add</i>	88.10	
<i>For Parallel Blade Damper, Add</i>	27.11	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0070 EA 32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	115.35	15.13
For Stainless Steel, Add	90.75	
For Parallel Blade Damper, Add	27.92	
23 33 13 13-0071 EA 32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	120.90	16.33
For Stainless Steel, Add	93.42	
For Parallel Blade Damper, Add	28.74	
23 33 13 13-0072 EA 32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	128.50	17.52
For Stainless Steel, Add	98.75	
For Parallel Blade Damper, Add	30.38	
23 33 13 13-0073 EA 32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	138.56	18.64
For Stainless Steel, Add	107.26	
For Parallel Blade Damper, Add	33.00	
23 33 13 13-0074 EA 32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	151.33	21.01
For Stainless Steel, Add	114.76	
For Parallel Blade Damper, Add	35.31	
23 33 13 13-0075 EA 32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	166.57	23.33
For Stainless Steel, Add	125.46	
For Parallel Blade Damper, Add	38.60	
23 33 13 13-0076 EA 32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	181.78	25.64
For Stainless Steel, Add	136.14	
For Parallel Blade Damper, Add	41.89	
23 33 13 13-0077 EA 32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	197.59	26.83
For Stainless Steel, Add	152.13	
For Parallel Blade Damper, Add	46.81	
23 33 13 13-0078 EA 32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	217.58	28.72
For Stainless Steel, Add	170.83	
For Parallel Blade Damper, Add	52.56	
23 33 13 13-0079 EA 32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	238.91	30.34
For Stainless Steel, Add	192.19	
For Parallel Blade Damper, Add	59.14	
23 33 13 13-0080 EA 36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	119.46	15.13
For Stainless Steel, Add	96.10	
For Parallel Blade Damper, Add	29.57	
23 33 13 13-0081 EA 36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	127.06	16.33
For Stainless Steel, Add	101.43	
For Parallel Blade Damper, Add	31.21	
23 33 13 13-0082 EA 36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	134.65	17.52
For Stainless Steel, Add	106.74	
For Parallel Blade Damper, Add	32.84	
23 33 13 13-0083 EA 36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	144.33	18.64
For Stainless Steel, Add	114.76	
For Parallel Blade Damper, Add	35.31	
23 33 13 13-0084 EA 36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	154.43	21.01
For Stainless Steel, Add	118.79	
For Parallel Blade Damper, Add	36.55	
23 33 13 13-0085 EA 36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	161.01	22.14
For Stainless Steel, Add	122.80	
For Parallel Blade Damper, Add	37.78	
23 33 13 13-0086 EA 36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	181.78	25.64
For Stainless Steel, Add	136.14	
For Parallel Blade Damper, Add	41.89	
23 33 13 13-0087 EA 36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	199.04	28.02
For Stainless Steel, Add	149.46	
For Parallel Blade Damper, Add	45.99	
23 33 13 13-0088 EA 36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	214.17	28.94
For Stainless Steel, Add	165.49	
For Parallel Blade Damper, Add	50.92	
23 33 13 13-0089 EA 36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	236.89	31.03
For Stainless Steel, Add	186.82	
For Parallel Blade Damper, Add	57.48	
23 33 13 13-0090 EA 36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	256.17	32.65
For Stainless Steel, Add	205.52	
For Parallel Blade Damper, Add	63.24	
23 33 13 13-0091 EA 36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	276.11	33.83
For Stainless Steel, Add	226.88	
For Parallel Blade Damper, Add	69.81	
23 33 13 13-0092 EA 40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	125.00	17.52
For Stainless Steel, Add	98.75	
For Parallel Blade Damper, Add	30.38	
23 33 13 13-0093 EA 40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	136.71	18.64
For Stainless Steel, Add	109.42	
For Parallel Blade Damper, Add	33.67	
23 33 13 13-0094 EA 40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	142.27	19.83
For Stainless Steel, Add	112.09	
For Parallel Blade Damper, Add	34.49	
23 33 13 13-0095 EA 40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	147.83	21.01
For Stainless Steel, Add	114.76	
For Parallel Blade Damper, Add	35.31	
23 33 13 13-0096 EA 40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	162.02	22.14
For Stainless Steel, Add	124.11	
For Parallel Blade Damper, Add	38.19	
23 33 13 13-0097 EA 40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	172.73	23.33
For Stainless Steel, Add	133.47	
For Parallel Blade Damper, Add	41.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0098 EA 40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	191.44	26.83
For Stainless Steel, Add	144.13	
For Parallel Blade Damper, Add	44.35	
23 33 13 13-0099 EA 40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	206.67	29.15
For Stainless Steel, Add	154.82	
For Parallel Blade Damper, Add	47.64	
23 33 13 13-0100 EA 40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	224.59	31.03
For Stainless Steel, Add	170.83	
For Parallel Blade Damper, Add	52.56	
23 33 13 13-0101 EA 40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	252.07	32.65
For Stainless Steel, Add	200.19	
For Parallel Blade Damper, Add	61.60	
23 33 13 13-0102 EA 40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	269.97	34.54
For Stainless Steel, Add	216.18	
For Parallel Blade Damper, Add	66.52	
23 33 13 13-0103 EA 40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	295.38	35.45
For Stainless Steel, Add	245.56	
For Parallel Blade Damper, Add	75.56	
23 33 13 13-0104 EA 40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	321.53	37.34
For Stainless Steel, Add	272.26	
For Parallel Blade Damper, Add	83.77	
23 33 13 13-0105 EA 44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	132.61	17.52
For Stainless Steel, Add	104.09	
For Parallel Blade Damper, Add	32.03	
23 33 13 13-0106 EA 44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	144.33	18.64
For Stainless Steel, Add	114.76	
For Parallel Blade Damper, Add	35.31	
23 33 13 13-0107 EA 44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	154.01	19.83
For Stainless Steel, Add	122.80	
For Parallel Blade Damper, Add	37.78	
23 33 13 13-0108 EA 44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	159.56	21.01
For Stainless Steel, Add	125.46	
For Parallel Blade Damper, Add	38.60	
23 33 13 13-0109 EA 44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	171.27	22.14
For Stainless Steel, Add	136.14	
For Parallel Blade Damper, Add	41.89	
23 33 13 13-0110 EA 44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	182.99	23.33
For Stainless Steel, Add	146.81	
For Parallel Blade Damper, Add	45.17	
23 33 13 13-0111 EA 44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	207.27	28.02
For Stainless Steel, Add	160.16	
For Parallel Blade Damper, Add	49.28	
23 33 13 13-0112 EA 44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	224.52	30.34
For Stainless Steel, Add	173.49	
For Parallel Blade Damper, Add	53.38	
23 33 13 13-0113 EA 44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	252.07	32.65
For Stainless Steel, Add	200.19	
For Parallel Blade Damper, Add	61.60	
23 33 13 13-0114 EA 44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	277.55	35.03
For Stainless Steel, Add	224.21	
For Parallel Blade Damper, Add	68.99	
23 33 13 13-0115 EA 44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	305.09	37.34
For Stainless Steel, Add	250.89	
For Parallel Blade Damper, Add	77.20	
23 33 13 13-0116 EA 44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	327.06	38.46
For Stainless Steel, Add	274.91	
For Parallel Blade Damper, Add	84.59	
23 33 13 13-0117 EA 44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	349.05	39.65
For Stainless Steel, Add	298.94	
For Parallel Blade Damper, Add	91.98	
23 33 13 13-0118 EA 44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	371.04	40.84
For Stainless Steel, Add	322.97	
For Parallel Blade Damper, Add	99.38	
23 33 13 13-0119 EA 48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	142.27	18.64
For Stainless Steel, Add	112.09	
For Parallel Blade Damper, Add	34.49	
23 33 13 13-0120 EA 48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	154.01	19.83
For Stainless Steel, Add	122.80	
For Parallel Blade Damper, Add	37.78	
23 33 13 13-0121 EA 48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	159.56	21.01
For Stainless Steel, Add	125.46	
For Parallel Blade Damper, Add	38.60	
23 33 13 13-0122 EA 48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	172.73	23.33
For Stainless Steel, Add	133.47	
For Parallel Blade Damper, Add	41.07	
23 33 13 13-0123 EA 48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	187.93	25.64
For Stainless Steel, Add	144.13	
For Parallel Blade Damper, Add	44.35	
23 33 13 13-0124 EA 48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	203.16	28.02
For Stainless Steel, Add	154.82	
For Parallel Blade Damper, Add	47.64	
23 33 13 13-0125 EA 48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	222.48	30.34
For Stainless Steel, Add	170.83	
For Parallel Blade Damper, Add	52.56	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0126 EA 48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	241.79	32.65
For Stainless Steel, Add	186.82	
For Parallel Blade Damper, Add	57.48	
23 33 13 13-0127 EA 48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	267.28	35.03
For Stainless Steel, Add	210.86	
For Parallel Blade Damper, Add	64.88	
23 33 13 13-0128 EA 48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	296.88	37.34
For Stainless Steel, Add	240.21	
For Parallel Blade Damper, Add	73.91	
23 33 13 13-0129 EA 48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	318.87	38.46
For Stainless Steel, Add	264.26	
For Parallel Blade Damper, Add	81.31	
23 33 13 13-0130 EA 48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	347.00	39.65
For Stainless Steel, Add	296.27	
For Parallel Blade Damper, Add	91.16	
23 33 13 13-0131 EA 48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	372.49	41.97
For Stainless Steel, Add	320.29	
For Parallel Blade Damper, Add	98.55	
23 33 13 13-0132 EA 48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	400.62	43.16
For Stainless Steel, Add	352.33	
For Parallel Blade Damper, Add	108.41	
23 33 13 13-0133 EA 48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	427.56	46.66
For Stainless Steel, Add	373.67	
For Parallel Blade Damper, Add	114.98	
23 33 13 13-0134 EA 52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	151.95	19.83
For Stainless Steel, Add	120.12	
For Parallel Blade Damper, Add	36.96	
23 33 13 13-0135 EA 52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	163.66	21.01
For Stainless Steel, Add	130.79	
For Parallel Blade Damper, Add	40.24	
23 33 13 13-0136 EA 52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	178.88	23.33
For Stainless Steel, Add	141.47	
For Parallel Blade Damper, Add	43.53	
23 33 13 13-0137 EA 52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	187.93	25.64
For Stainless Steel, Add	144.13	
For Parallel Blade Damper, Add	44.35	
23 33 13 13-0138 EA 52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	204.19	28.02
For Stainless Steel, Add	156.16	
For Parallel Blade Damper, Add	48.05	
23 33 13 13-0139 EA 52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	220.43	30.34
For Stainless Steel, Add	168.17	
For Parallel Blade Damper, Add	51.74	
23 33 13 13-0140 EA 52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	239.75	32.65
For Stainless Steel, Add	184.17	
For Parallel Blade Damper, Add	56.67	
23 33 13 13-0141 EA 52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	259.07	35.03
For Stainless Steel, Add	200.19	
For Parallel Blade Damper, Add	61.60	
23 33 13 13-0142 EA 52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	284.57	37.34
For Stainless Steel, Add	224.21	
For Parallel Blade Damper, Add	68.99	
23 33 13 13-0143 EA 52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	316.20	39.65
For Stainless Steel, Add	256.23	
For Parallel Blade Damper, Add	78.84	
23 33 13 13-0144 EA 52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	340.22	40.84
For Stainless Steel, Add	282.91	
For Parallel Blade Damper, Add	87.05	
23 33 13 13-0145 EA 52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	370.44	41.97
For Stainless Steel, Add	317.63	
For Parallel Blade Damper, Add	97.73	
23 33 13 13-0146 EA 52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	402.06	44.35
For Stainless Steel, Add	349.64	
For Parallel Blade Damper, Add	107.58	
23 33 13 13-0147 EA 52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	427.56	46.66
For Stainless Steel, Add	373.67	
For Parallel Blade Damper, Add	114.98	
23 33 13 13-0148 EA 52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	462.71	50.16
For Stainless Steel, Add	405.70	
For Parallel Blade Damper, Add	124.83	
23 33 13 13-0149 EA 52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	490.25	52.47
For Stainless Steel, Add	432.41	
For Parallel Blade Damper, Add	133.05	
23 33 13 13-0150 EA 56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	159.56	21.01
For Stainless Steel, Add	125.46	
For Parallel Blade Damper, Add	38.60	
23 33 13 13-0151 EA 56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	176.82	23.33
For Stainless Steel, Add	138.79	
For Parallel Blade Damper, Add	42.70	
23 33 13 13-0152 EA 56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	189.99	25.64
For Stainless Steel, Add	146.81	
For Parallel Blade Damper, Add	45.17	
23 33 13 13-0153 EA 56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	199.04	28.02
For Stainless Steel, Add	149.46	
For Parallel Blade Damper, Add	45.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0154 EA 56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	217.34	30.34
For Stainless Steel, Add	164.15	
For Parallel Blade Damper, Add	50.51	
23 33 13 13-0155 EA 56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	235.64	32.65
For Stainless Steel, Add	178.83	
For Parallel Blade Damper, Add	55.02	
23 33 13 13-0156 EA 56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	253.93	35.03
For Stainless Steel, Add	193.51	
For Parallel Blade Damper, Add	59.54	
23 33 13 13-0157 EA 56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	272.24	37.34
For Stainless Steel, Add	208.18	
For Parallel Blade Damper, Add	64.06	
23 33 13 13-0158 EA 56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	303.88	39.65
For Stainless Steel, Add	240.21	
For Parallel Blade Damper, Add	73.91	
23 33 13 13-0159 EA 56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	332.03	40.84
For Stainless Steel, Add	272.26	
For Parallel Blade Damper, Add	83.77	
23 33 13 13-0160 EA 56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	358.12	41.97
For Stainless Steel, Add	301.61	
For Parallel Blade Damper, Add	92.80	
23 33 13 13-0161 EA 56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	393.86	44.35
For Stainless Steel, Add	338.98	
For Parallel Blade Damper, Add	104.30	
23 33 13 13-0162 EA 56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	425.51	46.66
For Stainless Steel, Add	371.01	
For Parallel Blade Damper, Add	114.16	
23 33 13 13-0163 EA 56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	459.20	48.97
For Stainless Steel, Add	405.70	
For Parallel Blade Damper, Add	124.83	
23 33 13 13-0164 EA 56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	486.75	51.35
For Stainless Steel, Add	432.41	
For Parallel Blade Damper, Add	133.05	
23 33 13 13-0165 EA 56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	520.44	53.66
For Stainless Steel, Add	467.10	
For Parallel Blade Damper, Add	143.72	
23 33 13 13-0166 EA 56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	554.14	55.98
For Stainless Steel, Add	501.80	
For Parallel Blade Damper, Add	154.40	
23 33 13 13-0167 EA 60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	172.73	23.33
For Stainless Steel, Add	133.47	
For Parallel Blade Damper, Add	41.07	
23 33 13 13-0168 EA 60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	189.99	25.64
For Stainless Steel, Add	146.81	
For Parallel Blade Damper, Add	45.17	
23 33 13 13-0169 EA 60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	201.09	28.02
For Stainless Steel, Add	152.13	
For Parallel Blade Damper, Add	46.81	
23 33 13 13-0170 EA 60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	210.16	30.34
For Stainless Steel, Add	154.82	
For Parallel Blade Damper, Add	47.64	
23 33 13 13-0171 EA 60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	229.49	32.65
For Stainless Steel, Add	170.83	
For Parallel Blade Damper, Add	52.56	
23 33 13 13-0172 EA 60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	248.79	35.03
For Stainless Steel, Add	186.82	
For Parallel Blade Damper, Add	57.48	
23 33 13 13-0173 EA 60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	269.16	37.34
For Stainless Steel, Add	204.18	
For Parallel Blade Damper, Add	62.82	
23 33 13 13-0174 EA 60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	289.51	39.65
For Stainless Steel, Add	221.53	
For Parallel Blade Damper, Add	68.16	
23 33 13 13-0175 EA 60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	319.70	40.84
For Stainless Steel, Add	256.23	
For Parallel Blade Damper, Add	78.84	
23 33 13 13-0176 EA 60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	347.84	41.97
For Stainless Steel, Add	288.25	
For Parallel Blade Damper, Add	88.69	
23 33 13 13-0177 EA 60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	381.55	44.35
For Stainless Steel, Add	322.97	
For Parallel Blade Damper, Add	99.38	
23 33 13 13-0178 EA 60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	415.25	46.66
For Stainless Steel, Add	357.67	
For Parallel Blade Damper, Add	110.05	
23 33 13 13-0179 EA 60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	442.77	48.97
For Stainless Steel, Add	384.35	
For Parallel Blade Damper, Add	118.26	
23 33 13 13-0180 EA 60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	482.62	51.35
For Stainless Steel, Add	427.04	
For Parallel Blade Damper, Add	131.40	
23 33 13 13-0181 EA 60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	518.37	53.66
For Stainless Steel, Add	464.41	
For Parallel Blade Damper, Add	142.90	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0182 EA 60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	554.14	55.98
For Stainless Steel, Add	501.80	
For Parallel Blade Damper, Add	154.40	
23 33 13 13-0183 EA 60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	585.76	58.36
For Stainless Steel, Add	533.79	
For Parallel Blade Damper, Add	164.24	
23 33 13 13-0184 EA 60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	617.43	60.67
For Stainless Steel, Add	565.85	
For Parallel Blade Damper, Add	174.11	
23 33 13 16 Fire Dampers (23 33 13)		
23 33 13 16-0001 Fire Dampers (23 33 13 16)		
23 33 13 16-0002 SF Fire Damper, Vertical Curtain Type.....	44.15	7.57
For Smoke Damper, Add	18.17	
For Horizontal, Add	3.21	
For Dynamic Damper, Add	4.81	
For 3 Hour Rated, Add	4.28	
23 33 13 16-0003 SF Fire Damper, Vertical Louver Type	55.82	7.57
For Smoke Damper, Add	28.09	
For Horizontal, Add	4.96	
For Dynamic Damper, Add	7.44	
For 3 Hour Rated, Add	6.61	
23 33 13 16-0004 Folding Curtain Fire Dampers (23 33 13 16)		
Note: UL Listed. Air stream galvanized steel construction with fusible link 160 F spring actuated for horizontal mount gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.		
23 33 13 16-0005 EA 6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	39.73	7.78
For Horizontal, Add	2.46	
For Dynamic Damper, Add	3.69	
For 3 Hour Rated, Add	3.28	
For Damper Blades Outside Air Stream, Add	4.92	
23 33 13 16-0006 EA 8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	41.94	8.12
For Horizontal, Add	2.63	
For Dynamic Damper, Add	3.95	
For 3 Hour Rated, Add	3.51	
For Damper Blades Outside Air Stream, Add	5.27	
23 33 13 16-0007 EA 8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	43.26	8.19
For Horizontal, Add	2.81	
For Dynamic Damper, Add	4.22	
For 3 Hour Rated, Add	3.75	
For Damper Blades Outside Air Stream, Add	5.62	
23 33 13 16-0008 EA 10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	43.26	8.19
For Horizontal, Add	2.81	
For Dynamic Damper, Add	4.22	
For 3 Hour Rated, Add	3.75	
For Damper Blades Outside Air Stream, Add	5.62	
23 33 13 16-0009 EA 10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	45.13	8.41
For Horizontal, Add	2.99	
For Dynamic Damper, Add	4.48	
For 3 Hour Rated, Add	3.98	
For Damper Blades Outside Air Stream, Add	5.97	
23 33 13 16-0010 EA 10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	50.27	9.31
For Horizontal, Add	3.34	
For Dynamic Damper, Add	5.01	
For 3 Hour Rated, Add	4.45	
For Damper Blades Outside Air Stream, Add	6.68	
23 33 13 16-0011 EA 12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	45.13	8.41
For Horizontal, Add	2.99	
For Dynamic Damper, Add	4.48	
For 3 Hour Rated, Add	3.98	
For Damper Blades Outside Air Stream, Add	5.97	
23 33 13 16-0012 EA 12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	48.87	8.90
For Horizontal, Add	3.34	
For Dynamic Damper, Add	5.01	
For 3 Hour Rated, Add	4.45	
For Damper Blades Outside Air Stream, Add	6.68	
23 33 13 16-0013 EA 12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	51.44	9.31
For Horizontal, Add	3.51	
For Dynamic Damper, Add	5.27	
For 3 Hour Rated, Add	4.68	
For Damper Blades Outside Air Stream, Add	7.03	
23 33 13 16-0014 EA 12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	56.13	10.51
For Horizontal, Add	3.69	
For Dynamic Damper, Add	5.54	
For 3 Hour Rated, Add	4.92	
For Damper Blades Outside Air Stream, Add	7.38	
23 33 13 16-0015 EA 14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	48.29	8.90
For Horizontal, Add	3.25	
For Dynamic Damper, Add	4.88	
For 3 Hour Rated, Add	4.33	
For Damper Blades Outside Air Stream, Add	6.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0016 EA 14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	51.44	9.31
<i>For Horizontal, Add</i>	3.51	
<i>For Dynamic Damper, Add</i>	5.27	
<i>For 3 Hour Rated, Add</i>	4.68	
<i>For Damper Blades Outside Air Stream, Add</i>	7.03	
23 33 13 16-0017 EA 14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	54.02	9.81
<i>For Horizontal, Add</i>	3.69	
<i>For Dynamic Damper, Add</i>	5.54	
<i>For 3 Hour Rated, Add</i>	4.92	
<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0018 EA 14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	57.30	10.51
<i>For Horizontal, Add</i>	3.87	
<i>For Dynamic Damper, Add</i>	5.80	
<i>For 3 Hour Rated, Add</i>	5.15	
<i>For Damper Blades Outside Air Stream, Add</i>	7.73	
23 33 13 16-0019 EA 14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	63.73	11.70
<i>For Horizontal, Add</i>	4.31	
<i>For Dynamic Damper, Add</i>	6.46	
<i>For 3 Hour Rated, Add</i>	5.74	
<i>For Damper Blades Outside Air Stream, Add</i>	8.61	
23 33 13 16-0020 EA 16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	51.44	9.31
<i>For Horizontal, Add</i>	3.51	
<i>For Dynamic Damper, Add</i>	5.27	
<i>For 3 Hour Rated, Add</i>	4.68	
<i>For Damper Blades Outside Air Stream, Add</i>	7.03	
23 33 13 16-0021 EA 16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	54.73	10.02
<i>For Horizontal, Add</i>	3.69	
<i>For Dynamic Damper, Add</i>	5.54	
<i>For 3 Hour Rated, Add</i>	4.92	
<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0022 EA 16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	58.70	11.00
<i>For Horizontal, Add</i>	3.87	
<i>For Dynamic Damper, Add</i>	5.80	
<i>For 3 Hour Rated, Add</i>	5.15	
<i>For Damper Blades Outside Air Stream, Add</i>	7.73	
23 33 13 16-0023 EA 16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	61.96	11.70
<i>For Horizontal, Add</i>	4.04	
<i>For Dynamic Damper, Add</i>	6.06	
<i>For 3 Hour Rated, Add</i>	5.39	
<i>For Damper Blades Outside Air Stream, Add</i>	8.08	
23 33 13 16-0024 EA 16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	68.40	12.82
<i>For Horizontal, Add</i>	4.48	
<i>For Dynamic Damper, Add</i>	6.72	
<i>For 3 Hour Rated, Add</i>	5.97	
<i>For Damper Blades Outside Air Stream, Add</i>	8.96	
23 33 13 16-0025 EA 16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	74.84	14.01
<i>For Horizontal, Add</i>	4.92	
<i>For Dynamic Damper, Add</i>	7.38	
<i>For 3 Hour Rated, Add</i>	6.56	
<i>For Damper Blades Outside Air Stream, Add</i>	9.84	
23 33 13 16-0026 EA 18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	54.02	9.81
<i>For Horizontal, Add</i>	3.69	
<i>For Dynamic Damper, Add</i>	5.54	
<i>For 3 Hour Rated, Add</i>	4.92	
<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0027 EA 18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	57.88	10.51
<i>For Horizontal, Add</i>	3.95	
<i>For Dynamic Damper, Add</i>	5.93	
<i>For 3 Hour Rated, Add</i>	5.27	
<i>For Damper Blades Outside Air Stream, Add</i>	7.91	
23 33 13 16-0028 EA 18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	63.15	11.70
<i>For Horizontal, Add</i>	4.22	
<i>For Dynamic Damper, Add</i>	6.33	
<i>For 3 Hour Rated, Add</i>	5.62	
<i>For Damper Blades Outside Air Stream, Add</i>	8.44	
23 33 13 16-0029 EA 18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	69.57	12.82
<i>For Horizontal, Add</i>	4.66	
<i>For Dynamic Damper, Add</i>	6.98	
<i>For 3 Hour Rated, Add</i>	6.21	
<i>For Damper Blades Outside Air Stream, Add</i>	9.31	
23 33 13 16-0030 EA 18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	75.42	14.01
<i>For Horizontal, Add</i>	5.01	
<i>For Dynamic Damper, Add</i>	7.51	
<i>For 3 Hour Rated, Add</i>	6.68	
<i>For Damper Blades Outside Air Stream, Add</i>	10.01	
23 33 13 16-0031 EA 18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	81.85	15.13
<i>For Horizontal, Add</i>	5.45	
<i>For Dynamic Damper, Add</i>	8.17	
<i>For 3 Hour Rated, Add</i>	7.26	
<i>For Damper Blades Outside Air Stream, Add</i>	10.89	
23 33 13 16-0032 EA 18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.11	16.33
<i>For Horizontal, Add</i>	5.71	
<i>For Dynamic Damper, Add</i>	8.57	
<i>For 3 Hour Rated, Add</i>	7.61	
<i>For Damper Blades Outside Air Stream, Add</i>	11.42	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0033 EA 20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	57.30	10.51
For Horizontal, Add	3.87	
For Dynamic Damper, Add	5.80	
For 3 Hour Rated, Add	5.15	
For Damper Blades Outside Air Stream, Add	7.73	
23 33 13 16-0034 EA 20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	63.14	11.70
For Horizontal, Add	4.22	
For Dynamic Damper, Add	6.32	
For 3 Hour Rated, Add	5.62	
For Damper Blades Outside Air Stream, Add	8.43	
23 33 13 16-0035 EA 20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	68.98	12.82
For Horizontal, Add	4.57	
For Dynamic Damper, Add	6.85	
For 3 Hour Rated, Add	6.09	
For Damper Blades Outside Air Stream, Add	9.14	
23 33 13 16-0036 EA 20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	77.19	14.01
For Horizontal, Add	5.27	
For Dynamic Damper, Add	7.91	
For 3 Hour Rated, Add	7.03	
For Damper Blades Outside Air Stream, Add	10.55	
23 33 13 16-0037 EA 20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	82.44	15.13
For Horizontal, Add	5.54	
For Dynamic Damper, Add	8.30	
For 3 Hour Rated, Add	7.38	
For Damper Blades Outside Air Stream, Add	11.07	
23 33 13 16-0038 EA 20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.70	16.33
For Horizontal, Add	5.80	
For Dynamic Damper, Add	8.70	
For 3 Hour Rated, Add	7.73	
For Damper Blades Outside Air Stream, Add	11.60	
23 33 13 16-0039 EA 20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	93.54	17.52
For Horizontal, Add	6.15	
For Dynamic Damper, Add	9.23	
For 3 Hour Rated, Add	8.20	
For Damper Blades Outside Air Stream, Add	12.30	
23 33 13 16-0040 EA 20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	99.38	18.64
For Horizontal, Add	6.50	
For Dynamic Damper, Add	9.75	
For 3 Hour Rated, Add	8.67	
For Damper Blades Outside Air Stream, Add	13.00	
23 33 13 16-0041 EA 24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	64.31	11.70
For Horizontal, Add	4.39	
For Dynamic Damper, Add	6.59	
For 3 Hour Rated, Add	5.86	
For Damper Blades Outside Air Stream, Add	8.78	
23 33 13 16-0042 EA 24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	71.33	12.82
For Horizontal, Add	4.92	
For Dynamic Damper, Add	7.38	
For 3 Hour Rated, Add	6.56	
For Damper Blades Outside Air Stream, Add	9.84	
23 33 13 16-0043 EA 24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	77.19	14.01
For Horizontal, Add	5.27	
For Dynamic Damper, Add	7.91	
For 3 Hour Rated, Add	7.03	
For Damper Blades Outside Air Stream, Add	10.55	
23 33 13 16-0044 EA 24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	84.20	15.13
For Horizontal, Add	5.80	
For Dynamic Damper, Add	8.70	
For 3 Hour Rated, Add	7.73	
For Damper Blades Outside Air Stream, Add	11.60	
23 33 13 16-0045 EA 24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	89.45	16.33
For Horizontal, Add	6.06	
For Dynamic Damper, Add	9.09	
For 3 Hour Rated, Add	8.08	
For Damper Blades Outside Air Stream, Add	12.12	
23 33 13 16-0046 EA 24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	94.71	17.52
For Horizontal, Add	6.33	
For Dynamic Damper, Add	9.49	
For 3 Hour Rated, Add	8.43	
For Damper Blades Outside Air Stream, Add	12.65	
23 33 13 16-0047 EA 24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	101.73	18.64
For Horizontal, Add	6.85	
For Dynamic Damper, Add	10.28	
For 3 Hour Rated, Add	9.14	
For Damper Blades Outside Air Stream, Add	13.70	
23 33 13 16-0048 EA 24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	112.24	21.01
For Horizontal, Add	7.38	
For Dynamic Damper, Add	11.07	
For 3 Hour Rated, Add	9.84	
For Damper Blades Outside Air Stream, Add	14.76	
23 33 13 16-0049 EA 24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	123.95	23.33
For Horizontal, Add	8.08	
For Dynamic Damper, Add	12.13	
For 3 Hour Rated, Add	10.78	
For Damper Blades Outside Air Stream, Add	16.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0050 EA 28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	71.33	12.82
<i>For Horizontal, Add</i>	4.92	
<i>For Dynamic Damper, Add</i>	7.38	
<i>For 3 Hour Rated, Add</i>	6.56	
<i>For Damper Blades Outside Air Stream, Add</i>	9.84	
23 33 13 16-0051 EA 28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	77.19	14.01
<i>For Horizontal, Add</i>	5.27	
<i>For Dynamic Damper, Add</i>	7.91	
<i>For 3 Hour Rated, Add</i>	7.03	
<i>For Damper Blades Outside Air Stream, Add</i>	10.55	
23 33 13 16-0052 EA 28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	84.20	15.13
<i>For Horizontal, Add</i>	5.80	
<i>For Dynamic Damper, Add</i>	8.70	
<i>For 3 Hour Rated, Add</i>	7.73	
<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0053 EA 28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	90.04	16.33
<i>For Horizontal, Add</i>	6.15	
<i>For Dynamic Damper, Add</i>	9.23	
<i>For 3 Hour Rated, Add</i>	8.20	
<i>For Damper Blades Outside Air Stream, Add</i>	12.30	
23 33 13 16-0054 EA 28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	96.47	17.52
<i>For Horizontal, Add</i>	6.59	
<i>For Dynamic Damper, Add</i>	9.88	
<i>For 3 Hour Rated, Add</i>	8.79	
<i>For Damper Blades Outside Air Stream, Add</i>	13.18	
23 33 13 16-0055 EA 28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	102.90	18.64
<i>For Horizontal, Add</i>	7.03	
<i>For Dynamic Damper, Add</i>	10.54	
<i>For 3 Hour Rated, Add</i>	9.37	
<i>For Damper Blades Outside Air Stream, Add</i>	14.06	
23 33 13 16-0056 EA 28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	113.42	21.01
<i>For Horizontal, Add</i>	7.56	
<i>For Dynamic Damper, Add</i>	11.33	
<i>For 3 Hour Rated, Add</i>	10.07	
<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0057 EA 28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	123.95	23.33
<i>For Horizontal, Add</i>	8.08	
<i>For Dynamic Damper, Add</i>	12.13	
<i>For 3 Hour Rated, Add</i>	10.78	
<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0058 EA 28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	134.48	24.52
<i>For Horizontal, Add</i>	9.14	
<i>For Dynamic Damper, Add</i>	13.70	
<i>For 3 Hour Rated, Add</i>	12.18	
<i>For Damper Blades Outside Air Stream, Add</i>	18.27	
23 33 13 16-0059 EA 28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	147.34	26.83
<i>For Horizontal, Add</i>	10.02	
<i>For Dynamic Damper, Add</i>	15.02	
<i>For 3 Hour Rated, Add</i>	13.35	
<i>For Damper Blades Outside Air Stream, Add</i>	20.03	
23 33 13 16-0060 EA 32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	80.70	14.01
<i>For Horizontal, Add</i>	5.80	
<i>For Dynamic Damper, Add</i>	8.70	
<i>For 3 Hour Rated, Add</i>	7.73	
<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0061 EA 32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	85.36	15.13
<i>For Horizontal, Add</i>	5.97	
<i>For Dynamic Damper, Add</i>	8.96	
<i>For 3 Hour Rated, Add</i>	7.96	
<i>For Damper Blades Outside Air Stream, Add</i>	11.95	
23 33 13 16-0062 EA 32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	90.04	16.33
<i>For Horizontal, Add</i>	6.15	
<i>For Dynamic Damper, Add</i>	9.23	
<i>For 3 Hour Rated, Add</i>	8.20	
<i>For Damper Blades Outside Air Stream, Add</i>	12.30	
23 33 13 16-0063 EA 32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	95.87	17.52
<i>For Horizontal, Add</i>	6.50	
<i>For Dynamic Damper, Add</i>	9.75	
<i>For 3 Hour Rated, Add</i>	8.67	
<i>For Damper Blades Outside Air Stream, Add</i>	13.00	
23 33 13 16-0064 EA 32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	103.12	18.64
<i>For Horizontal, Add</i>	7.06	
<i>For Dynamic Damper, Add</i>	10.59	
<i>For 3 Hour Rated, Add</i>	9.41	
<i>For Damper Blades Outside Air Stream, Add</i>	14.12	
23 33 13 16-0065 EA 32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	113.42	21.01
<i>For Horizontal, Add</i>	7.56	
<i>For Dynamic Damper, Add</i>	11.33	
<i>For 3 Hour Rated, Add</i>	10.07	
<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0066 EA 32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	125.12	23.33
<i>For Horizontal, Add</i>	8.26	
<i>For Dynamic Damper, Add</i>	12.39	
<i>For 3 Hour Rated, Add</i>	11.01	
<i>For Damper Blades Outside Air Stream, Add</i>	16.52	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0067 EA 32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	136.80	25.64
For Horizontal, Add	8.96	
For Dynamic Damper, Add	13.44	
For 3 Hour Rated, Add	11.95	
For Damper Blades Outside Air Stream, Add	17.92	
23 33 13 16-0068 EA 32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	147.34	26.83
For Horizontal, Add	10.02	
For Dynamic Damper, Add	15.02	
For 3 Hour Rated, Add	13.35	
For Damper Blades Outside Air Stream, Add	20.03	
23 33 13 16-0069 EA 32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.14	28.72
For Horizontal, Add	11.25	
For Dynamic Damper, Add	16.87	
For 3 Hour Rated, Add	14.99	
For Damper Blades Outside Air Stream, Add	22.49	
23 33 13 16-0070 EA 32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	175.41	30.34
For Horizontal, Add	12.65	
For Dynamic Damper, Add	18.98	
For 3 Hour Rated, Add	16.87	
For Damper Blades Outside Air Stream, Add	25.30	
23 33 13 16-0071 EA 36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.71	15.13
For Horizontal, Add	6.33	
For Dynamic Damper, Add	9.49	
For 3 Hour Rated, Add	8.43	
For Damper Blades Outside Air Stream, Add	12.65	
23 33 13 16-0072 EA 36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	93.55	16.33
For Horizontal, Add	6.68	
For Dynamic Damper, Add	10.01	
For 3 Hour Rated, Add	8.90	
For Damper Blades Outside Air Stream, Add	13.35	
23 33 13 16-0073 EA 36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	99.39	17.52
For Horizontal, Add	7.03	
For Dynamic Damper, Add	10.54	
For 3 Hour Rated, Add	9.37	
For Damper Blades Outside Air Stream, Add	14.06	
23 33 13 16-0074 EA 36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	106.42	18.64
For Horizontal, Add	7.56	
For Dynamic Damper, Add	11.33	
For 3 Hour Rated, Add	10.07	
For Damper Blades Outside Air Stream, Add	15.11	
23 33 13 16-0075 EA 36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	115.18	21.01
For Horizontal, Add	7.82	
For Dynamic Damper, Add	11.73	
For 3 Hour Rated, Add	10.43	
For Damper Blades Outside Air Stream, Add	15.64	
23 33 13 16-0076 EA 36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	120.44	22.14
For Horizontal, Add	8.08	
For Dynamic Damper, Add	12.13	
For 3 Hour Rated, Add	10.78	
For Damper Blades Outside Air Stream, Add	16.17	
23 33 13 16-0077 EA 36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	136.80	25.64
For Horizontal, Add	8.96	
For Dynamic Damper, Add	13.44	
For 3 Hour Rated, Add	11.95	
For Damper Blades Outside Air Stream, Add	17.92	
23 33 13 16-0078 EA 36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	149.66	28.02
For Horizontal, Add	9.84	
For Dynamic Damper, Add	14.76	
For 3 Hour Rated, Add	13.12	
For Damper Blades Outside Air Stream, Add	19.68	
23 33 13 16-0079 EA 36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	128.37	28.94
For Horizontal, Add	6.23	
For Dynamic Damper, Add	9.34	
For 3 Hour Rated, Add	8.30	
For Damper Blades Outside Air Stream, Add	12.45	
23 33 13 16-0080 EA 36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	175.17	31.03
For Horizontal, Add	12.30	
For Dynamic Damper, Add	18.45	
For 3 Hour Rated, Add	16.40	
For Damper Blades Outside Air Stream, Add	24.60	
23 33 13 16-0081 EA 36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	188.27	32.65
For Horizontal, Add	13.53	
For Dynamic Damper, Add	20.29	
For 3 Hour Rated, Add	18.04	
For Damper Blades Outside Air Stream, Add	27.06	
23 33 13 16-0082 EA 36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	201.15	33.83
For Horizontal, Add	14.93	
For Dynamic Damper, Add	22.40	
For 3 Hour Rated, Add	19.91	
For Damper Blades Outside Air Stream, Add	29.87	
23 33 13 16-0083 EA 40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	92.37	17.52
For Horizontal, Add	6.50	
For Dynamic Damper, Add	9.75	
For 3 Hour Rated, Add	8.67	
For Damper Blades Outside Air Stream, Add	13.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0084 EA 40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	100.56	18.64
<i>For Horizontal, Add</i>	7.20	
<i>For Dynamic Damper, Add</i>	10.80	
<i>For 3 Hour Rated, Add</i>	9.60	
<i>For Damper Blades Outside Air Stream, Add</i>	14.41	
23 33 13 16-0085 EA 40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	105.24	19.83
<i>For Horizontal, Add</i>	7.38	
<i>For Dynamic Damper, Add</i>	11.07	
<i>For 3 Hour Rated, Add</i>	9.84	
<i>For Damper Blades Outside Air Stream, Add</i>	14.76	
23 33 13 16-0086 EA 40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	109.92	21.01
<i>For Horizontal, Add</i>	7.56	
<i>For Dynamic Damper, Add</i>	11.33	
<i>For 3 Hour Rated, Add</i>	10.07	
<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0087 EA 40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	121.02	22.14
<i>For Horizontal, Add</i>	8.17	
<i>For Dynamic Damper, Add</i>	12.26	
<i>For 3 Hour Rated, Add</i>	10.89	
<i>For Damper Blades Outside Air Stream, Add</i>	16.34	
23 33 13 16-0088 EA 40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	128.63	23.33
<i>For Horizontal, Add</i>	8.79	
<i>For Dynamic Damper, Add</i>	13.18	
<i>For 3 Hour Rated, Add</i>	11.71	
<i>For Damper Blades Outside Air Stream, Add</i>	17.57	
23 33 13 16-0089 EA 40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	143.82	26.83
<i>For Horizontal, Add</i>	9.49	
<i>For Dynamic Damper, Add</i>	14.23	
<i>For 3 Hour Rated, Add</i>	12.65	
<i>For Damper Blades Outside Air Stream, Add</i>	18.98	
23 33 13 16-0090 EA 40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	155.52	29.15
<i>For Horizontal, Add</i>	10.19	
<i>For Dynamic Damper, Add</i>	15.29	
<i>For 3 Hour Rated, Add</i>	13.59	
<i>For Damper Blades Outside Air Stream, Add</i>	20.38	
23 33 13 16-0091 EA 40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	168.15	31.03
<i>For Horizontal, Add</i>	11.25	
<i>For Dynamic Damper, Add</i>	16.87	
<i>For 3 Hour Rated, Add</i>	14.99	
<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0092 EA 40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	185.93	32.65
<i>For Horizontal, Add</i>	13.18	
<i>For Dynamic Damper, Add</i>	19.77	
<i>For 3 Hour Rated, Add</i>	17.57	
<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0093 EA 40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	198.55	34.54
<i>For Horizontal, Add</i>	14.23	
<i>For Dynamic Damper, Add</i>	21.35	
<i>For 3 Hour Rated, Add</i>	18.97	
<i>For Damper Blades Outside Air Stream, Add</i>	28.46	
23 33 13 16-0094 EA 40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	214.25	35.45
<i>For Horizontal, Add</i>	16.16	
<i>For Dynamic Damper, Add</i>	24.25	
<i>For 3 Hour Rated, Add</i>	21.55	
<i>For Damper Blades Outside Air Stream, Add</i>	32.33	
23 33 13 16-0095 EA 40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	231.58	37.34
<i>For Horizontal, Add</i>	17.92	
<i>For Dynamic Damper, Add</i>	26.88	
<i>For 3 Hour Rated, Add</i>	23.90	
<i>For Damper Blades Outside Air Stream, Add</i>	35.84	
23 33 13 16-0096 EA 44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	98.22	17.52
<i>For Horizontal, Add</i>	6.85	
<i>For Dynamic Damper, Add</i>	10.28	
<i>For 3 Hour Rated, Add</i>	9.14	
<i>For Damper Blades Outside Air Stream, Add</i>	13.70	
23 33 13 16-0097 EA 44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	106.42	18.64
<i>For Horizontal, Add</i>	7.56	
<i>For Dynamic Damper, Add</i>	11.33	
<i>For 3 Hour Rated, Add</i>	10.07	
<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0098 EA 44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	113.44	19.83
<i>For Horizontal, Add</i>	8.08	
<i>For Dynamic Damper, Add</i>	12.13	
<i>For 3 Hour Rated, Add</i>	10.78	
<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0099 EA 44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	118.11	21.01
<i>For Horizontal, Add</i>	8.26	
<i>For Dynamic Damper, Add</i>	12.39	
<i>For 3 Hour Rated, Add</i>	11.01	
<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0100 EA 44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	126.29	22.14
<i>For Horizontal, Add</i>	8.96	
<i>For Dynamic Damper, Add</i>	13.44	
<i>For 3 Hour Rated, Add</i>	11.95	
<i>For Damper Blades Outside Air Stream, Add</i>	17.92	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0101 EA 44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	134.49	23.33
For Horizontal, Add	9.66	
For Dynamic Damper, Add	14.50	
For 3 Hour Rated, Add	12.89	
For Damper Blades Outside Air Stream, Add	19.33	
23 33 13 16-0102 EA 44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	154.36	28.02
For Horizontal, Add	10.54	
For Dynamic Damper, Add	15.82	
For 3 Hour Rated, Add	14.06	
For Damper Blades Outside Air Stream, Add	21.09	
23 33 13 16-0103 EA 44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	167.20	30.34
For Horizontal, Add	11.42	
For Dynamic Damper, Add	17.13	
For 3 Hour Rated, Add	15.23	
For Damper Blades Outside Air Stream, Add	22.84	
23 33 13 16-0104 EA 44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	185.93	32.65
For Horizontal, Add	13.18	
For Dynamic Damper, Add	19.77	
For 3 Hour Rated, Add	17.57	
For Damper Blades Outside Air Stream, Add	26.36	
23 33 13 16-0105 EA 44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	203.47	35.03
For Horizontal, Add	14.76	
For Dynamic Damper, Add	22.14	
For 3 Hour Rated, Add	19.68	
For Damper Blades Outside Air Stream, Add	29.52	
23 33 13 16-0106 EA 44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	222.20	37.34
For Horizontal, Add	16.52	
For Dynamic Damper, Add	24.77	
For 3 Hour Rated, Add	22.02	
For Damper Blades Outside Air Stream, Add	33.03	
23 33 13 16-0107 EA 44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	236.23	38.46
For Horizontal, Add	18.10	
For Dynamic Damper, Add	27.14	
For 3 Hour Rated, Add	24.13	
For Damper Blades Outside Air Stream, Add	36.19	
23 33 13 16-0108 EA 44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	250.28	39.65
For Horizontal, Add	19.68	
For Dynamic Damper, Add	29.52	
For 3 Hour Rated, Add	26.24	
For Damper Blades Outside Air Stream, Add	39.35	
23 33 13 16-0109 EA 44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	264.34	40.84
For Horizontal, Add	21.26	
For Dynamic Damper, Add	31.89	
For 3 Hour Rated, Add	28.35	
For Damper Blades Outside Air Stream, Add	42.52	
23 33 13 16-0110 EA 48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	105.24	18.64
For Horizontal, Add	7.38	
For Dynamic Damper, Add	11.07	
For 3 Hour Rated, Add	9.84	
For Damper Blades Outside Air Stream, Add	14.76	
23 33 13 16-0111 EA 48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	113.44	19.83
For Horizontal, Add	8.08	
For Dynamic Damper, Add	12.13	
For 3 Hour Rated, Add	10.78	
For Damper Blades Outside Air Stream, Add	16.17	
23 33 13 16-0112 EA 48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	118.11	21.01
For Horizontal, Add	8.26	
For Dynamic Damper, Add	12.39	
For 3 Hour Rated, Add	11.01	
For Damper Blades Outside Air Stream, Add	16.52	
23 33 13 16-0113 EA 48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	128.63	23.33
For Horizontal, Add	8.79	
For Dynamic Damper, Add	13.18	
For 3 Hour Rated, Add	11.71	
For Damper Blades Outside Air Stream, Add	17.57	
23 33 13 16-0114 EA 48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	140.31	25.64
For Horizontal, Add	9.49	
For Dynamic Damper, Add	14.23	
For 3 Hour Rated, Add	12.65	
For Damper Blades Outside Air Stream, Add	18.98	
23 33 13 16-0115 EA 48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	152.01	28.02
For Horizontal, Add	10.19	
For Dynamic Damper, Add	15.29	
For 3 Hour Rated, Add	13.59	
For Damper Blades Outside Air Stream, Add	20.38	
23 33 13 16-0116 EA 48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	166.04	30.34
For Horizontal, Add	11.25	
For Dynamic Damper, Add	16.87	
For 3 Hour Rated, Add	14.99	
For Damper Blades Outside Air Stream, Add	22.49	
23 33 13 16-0117 EA 48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	180.07	32.65
For Horizontal, Add	12.30	
For Dynamic Damper, Add	18.45	
For 3 Hour Rated, Add	16.40	
For Damper Blades Outside Air Stream, Add	24.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0118 EA 48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	197.61	35.03
<i>For Horizontal, Add</i>	13.88	
<i>For Dynamic Damper, Add</i>	20.82	
<i>For 3 Hour Rated, Add</i>	18.51	
<i>For Damper Blades Outside Air Stream, Add</i>	27.76	
23 33 13 16-0119 EA 48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	217.51	37.34
<i>For Horizontal, Add</i>	15.81	
<i>For Dynamic Damper, Add</i>	23.72	
<i>For 3 Hour Rated, Add</i>	21.08	
<i>For Damper Blades Outside Air Stream, Add</i>	31.62	
23 33 13 16-0120 EA 48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	231.56	38.46
<i>For Horizontal, Add</i>	17.40	
<i>For Dynamic Damper, Add</i>	26.09	
<i>For 3 Hour Rated, Add</i>	23.19	
<i>For Damper Blades Outside Air Stream, Add</i>	34.79	
23 33 13 16-0121 EA 48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	249.11	39.65
<i>For Horizontal, Add</i>	19.50	
<i>For Dynamic Damper, Add</i>	29.25	
<i>For 3 Hour Rated, Add</i>	26.00	
<i>For Damper Blades Outside Air Stream, Add</i>	39.00	
23 33 13 16-0122 EA 48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	266.67	41.97
<i>For Horizontal, Add</i>	21.08	
<i>For Dynamic Damper, Add</i>	31.63	
<i>For 3 Hour Rated, Add</i>	28.11	
<i>For Damper Blades Outside Air Stream, Add</i>	42.17	
23 33 13 16-0123 EA 48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	284.22	43.16
<i>For Horizontal, Add</i>	23.19	
<i>For Dynamic Damper, Add</i>	34.79	
<i>For 3 Hour Rated, Add</i>	30.92	
<i>For Damper Blades Outside Air Stream, Add</i>	46.39	
23 33 13 16-0124 EA 48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	304.10	46.66
<i>For Horizontal, Add</i>	24.60	
<i>For Dynamic Damper, Add</i>	36.90	
<i>For 3 Hour Rated, Add</i>	32.80	
<i>For Damper Blades Outside Air Stream, Add</i>	49.19	
23 33 13 16-0125 EA 52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	112.26	19.83
<i>For Horizontal, Add</i>	7.91	
<i>For Dynamic Damper, Add</i>	11.86	
<i>For 3 Hour Rated, Add</i>	10.54	
<i>For Damper Blades Outside Air Stream, Add</i>	15.81	
23 33 13 16-0126 EA 52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	120.45	21.01
<i>For Horizontal, Add</i>	8.61	
<i>For Dynamic Damper, Add</i>	12.92	
<i>For 3 Hour Rated, Add</i>	11.48	
<i>For Damper Blades Outside Air Stream, Add</i>	17.22	
23 33 13 16-0127 EA 52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	132.14	23.33
<i>For Horizontal, Add</i>	9.31	
<i>For Dynamic Damper, Add</i>	13.97	
<i>For 3 Hour Rated, Add</i>	12.42	
<i>For Damper Blades Outside Air Stream, Add</i>	18.62	
23 33 13 16-0128 EA 52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	140.31	25.64
<i>For Horizontal, Add</i>	9.49	
<i>For Dynamic Damper, Add</i>	14.23	
<i>For 3 Hour Rated, Add</i>	12.65	
<i>For Damper Blades Outside Air Stream, Add</i>	18.98	
23 33 13 16-0129 EA 52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	152.60	28.02
<i>For Horizontal, Add</i>	10.28	
<i>For Dynamic Damper, Add</i>	15.42	
<i>For 3 Hour Rated, Add</i>	13.71	
<i>For Damper Blades Outside Air Stream, Add</i>	20.56	
23 33 13 16-0130 EA 52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	164.87	30.34
<i>For Horizontal, Add</i>	11.07	
<i>For Dynamic Damper, Add</i>	16.61	
<i>For 3 Hour Rated, Add</i>	14.76	
<i>For Damper Blades Outside Air Stream, Add</i>	22.14	
23 33 13 16-0131 EA 52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	178.91	32.65
<i>For Horizontal, Add</i>	12.12	
<i>For Dynamic Damper, Add</i>	18.19	
<i>For 3 Hour Rated, Add</i>	16.17	
<i>For Damper Blades Outside Air Stream, Add</i>	24.25	
23 33 13 16-0132 EA 52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	192.93	35.03
<i>For Horizontal, Add</i>	13.18	
<i>For Dynamic Damper, Add</i>	19.77	
<i>For 3 Hour Rated, Add</i>	17.57	
<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0133 EA 52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	210.49	37.34
<i>For Horizontal, Add</i>	14.76	
<i>For Dynamic Damper, Add</i>	22.14	
<i>For 3 Hour Rated, Add</i>	19.68	
<i>For Damper Blades Outside Air Stream, Add</i>	29.52	
23 33 13 16-0134 EA 52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	231.55	39.65
<i>For Horizontal, Add</i>	16.87	
<i>For Dynamic Damper, Add</i>	25.30	
<i>For 3 Hour Rated, Add</i>	22.49	
<i>For Damper Blades Outside Air Stream, Add</i>	33.74	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0135 EA 52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	246.75	40.84
For Horizontal, Add	18.62	
For Dynamic Damper, Add	27.93	
For 3 Hour Rated, Add	24.83	
For Damper Blades Outside Air Stream, Add	37.25	
23 33 13 16-0136 EA 52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	265.50	41.97
For Horizontal, Add	20.91	
For Dynamic Damper, Add	31.36	
For 3 Hour Rated, Add	27.88	
For Damper Blades Outside Air Stream, Add	41.82	
23 33 13 16-0137 EA 52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	286.54	44.35
For Horizontal, Add	23.01	
For Dynamic Damper, Add	34.52	
For 3 Hour Rated, Add	30.69	
For Damper Blades Outside Air Stream, Add	46.03	
23 33 13 16-0138 EA 52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	304.10	46.66
For Horizontal, Add	24.60	
For Dynamic Damper, Add	36.90	
For 3 Hour Rated, Add	32.80	
For Damper Blades Outside Air Stream, Add	49.19	
23 33 13 16-0139 EA 52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	328.67	50.16
For Horizontal, Add	26.71	
For Dynamic Damper, Add	40.06	
For 3 Hour Rated, Add	35.61	
For Damper Blades Outside Air Stream, Add	53.41	
23 33 13 16-0140 EA 52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	347.38	52.47
For Horizontal, Add	28.46	
For Dynamic Damper, Add	42.69	
For 3 Hour Rated, Add	37.95	
For Damper Blades Outside Air Stream, Add	56.93	
23 33 13 16-0141 EA 56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	118.11	21.01
For Horizontal, Add	8.26	
For Dynamic Damper, Add	12.39	
For 3 Hour Rated, Add	11.01	
For Damper Blades Outside Air Stream, Add	16.52	
23 33 13 16-0142 EA 56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	130.97	23.33
For Horizontal, Add	9.14	
For Dynamic Damper, Add	13.70	
For 3 Hour Rated, Add	12.18	
For Damper Blades Outside Air Stream, Add	18.27	
23 33 13 16-0143 EA 56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	141.49	25.64
For Horizontal, Add	9.66	
For Dynamic Damper, Add	14.50	
For 3 Hour Rated, Add	12.89	
For Damper Blades Outside Air Stream, Add	19.33	
23 33 13 16-0144 EA 56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	149.66	28.02
For Horizontal, Add	9.84	
For Dynamic Damper, Add	14.76	
For 3 Hour Rated, Add	13.12	
For Damper Blades Outside Air Stream, Add	19.68	
23 33 13 16-0145 EA 56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	163.11	30.34
For Horizontal, Add	10.81	
For Dynamic Damper, Add	16.21	
For 3 Hour Rated, Add	14.41	
For Damper Blades Outside Air Stream, Add	21.61	
23 33 13 16-0146 EA 56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	176.56	32.65
For Horizontal, Add	11.77	
For Dynamic Damper, Add	17.66	
For 3 Hour Rated, Add	15.70	
For Damper Blades Outside Air Stream, Add	23.54	
23 33 13 16-0147 EA 56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	190.00	35.03
For Horizontal, Add	12.74	
For Dynamic Damper, Add	19.11	
For 3 Hour Rated, Add	16.98	
For Damper Blades Outside Air Stream, Add	25.48	
23 33 13 16-0148 EA 56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	203.46	37.34
For Horizontal, Add	13.70	
For Dynamic Damper, Add	20.56	
For 3 Hour Rated, Add	18.27	
For Damper Blades Outside Air Stream, Add	27.41	
23 33 13 16-0149 EA 56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	224.51	39.65
For Horizontal, Add	15.81	
For Dynamic Damper, Add	23.72	
For 3 Hour Rated, Add	21.08	
For Damper Blades Outside Air Stream, Add	31.62	
23 33 13 16-0150 EA 56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	242.08	40.84
For Horizontal, Add	17.92	
For Dynamic Damper, Add	26.88	
For 3 Hour Rated, Add	23.90	
For Damper Blades Outside Air Stream, Add	35.84	
23 33 13 16-0151 EA 56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	258.47	41.97
For Horizontal, Add	19.85	
For Dynamic Damper, Add	29.78	
For 3 Hour Rated, Add	26.47	
For Damper Blades Outside Air Stream, Add	39.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0152 EA 56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	281.87	44.35
<i>For Horizontal, Add</i>	22.31	
<i>For Dynamic Damper, Add</i>	33.47	
<i>For 3 Hour Rated, Add</i>	29.75	
<i>For Damper Blades Outside Air Stream, Add</i>	44.63	
23 33 13 16-0153 EA 56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	302.93	46.66
<i>For Horizontal, Add</i>	24.42	
<i>For Dynamic Damper, Add</i>	36.63	
<i>For 3 Hour Rated, Add</i>	32.56	
<i>For Damper Blades Outside Air Stream, Add</i>	48.84	
23 33 13 16-0154 EA 56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	325.16	48.97
<i>For Horizontal, Add</i>	26.71	
<i>For Dynamic Damper, Add</i>	40.06	
<i>For 3 Hour Rated, Add</i>	35.61	
<i>For Damper Blades Outside Air Stream, Add</i>	53.41	
23 33 13 16-0155 EA 56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	343.88	51.35
<i>For Horizontal, Add</i>	28.46	
<i>For Dynamic Damper, Add</i>	42.69	
<i>For 3 Hour Rated, Add</i>	37.95	
<i>For Damper Blades Outside Air Stream, Add</i>	56.93	
23 33 13 16-0156 EA 56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	366.11	53.66
<i>For Horizontal, Add</i>	30.75	
<i>For Dynamic Damper, Add</i>	46.12	
<i>For 3 Hour Rated, Add</i>	41.00	
<i>For Damper Blades Outside Air Stream, Add</i>	61.49	
23 33 13 16-0157 EA 56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	388.35	55.98
<i>For Horizontal, Add</i>	33.03	
<i>For Dynamic Damper, Add</i>	49.55	
<i>For 3 Hour Rated, Add</i>	44.04	
<i>For Damper Blades Outside Air Stream, Add</i>	66.06	
23 33 13 16-0158 EA 60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	128.63	23.33
<i>For Horizontal, Add</i>	8.79	
<i>For Dynamic Damper, Add</i>	13.18	
<i>For 3 Hour Rated, Add</i>	11.71	
<i>For Damper Blades Outside Air Stream, Add</i>	17.57	
23 33 13 16-0159 EA 60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	141.49	25.64
<i>For Horizontal, Add</i>	9.66	
<i>For Dynamic Damper, Add</i>	14.50	
<i>For 3 Hour Rated, Add</i>	12.89	
<i>For Damper Blades Outside Air Stream, Add</i>	19.33	
23 33 13 16-0160 EA 60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	150.84	28.02
<i>For Horizontal, Add</i>	10.02	
<i>For Dynamic Damper, Add</i>	15.02	
<i>For 3 Hour Rated, Add</i>	13.35	
<i>For Damper Blades Outside Air Stream, Add</i>	20.03	
23 33 13 16-0161 EA 60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	159.01	30.34
<i>For Horizontal, Add</i>	10.19	
<i>For Dynamic Damper, Add</i>	15.29	
<i>For 3 Hour Rated, Add</i>	13.59	
<i>For Damper Blades Outside Air Stream, Add</i>	20.38	
23 33 13 16-0162 EA 60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	173.05	32.65
<i>For Horizontal, Add</i>	11.25	
<i>For Dynamic Damper, Add</i>	16.87	
<i>For 3 Hour Rated, Add</i>	14.99	
<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0163 EA 60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	187.07	35.03
<i>For Horizontal, Add</i>	12.30	
<i>For Dynamic Damper, Add</i>	18.45	
<i>For 3 Hour Rated, Add</i>	16.40	
<i>For Damper Blades Outside Air Stream, Add</i>	24.60	
23 33 13 16-0164 EA 60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	201.71	37.34
<i>For Horizontal, Add</i>	13.44	
<i>For Dynamic Damper, Add</i>	20.16	
<i>For 3 Hour Rated, Add</i>	17.92	
<i>For Damper Blades Outside Air Stream, Add</i>	26.88	
23 33 13 16-0165 EA 60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	216.32	39.65
<i>For Horizontal, Add</i>	14.58	
<i>For Dynamic Damper, Add</i>	21.87	
<i>For 3 Hour Rated, Add</i>	19.44	
<i>For Damper Blades Outside Air Stream, Add</i>	29.17	
23 33 13 16-0166 EA 60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	235.05	40.84
<i>For Horizontal, Add</i>	16.87	
<i>For Dynamic Damper, Add</i>	25.30	
<i>For 3 Hour Rated, Add</i>	22.49	
<i>For Damper Blades Outside Air Stream, Add</i>	33.74	
23 33 13 16-0167 EA 60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	252.61	41.97
<i>For Horizontal, Add</i>	18.98	
<i>For Dynamic Damper, Add</i>	28.46	
<i>For 3 Hour Rated, Add</i>	25.30	
<i>For Damper Blades Outside Air Stream, Add</i>	37.95	
23 33 13 16-0168 EA 60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	274.85	44.35
<i>For Horizontal, Add</i>	21.26	
<i>For Dynamic Damper, Add</i>	31.89	
<i>For 3 Hour Rated, Add</i>	28.35	
<i>For Damper Blades Outside Air Stream, Add</i>	42.52	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0169 EA 60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	297.08	46.66
For Horizontal, Add	23.54	
For Dynamic Damper, Add	35.32	
For 3 Hour Rated, Add	31.39	
For Damper Blades Outside Air Stream, Add	47.09	
23 33 13 16-0170 EA 60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	315.79	48.97
For Horizontal, Add	25.30	
For Dynamic Damper, Add	37.95	
For 3 Hour Rated, Add	33.73	
For Damper Blades Outside Air Stream, Add	50.60	
23 33 13 16-0171 EA 60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	341.54	51.35
For Horizontal, Add	28.11	
For Dynamic Damper, Add	42.17	
For 3 Hour Rated, Add	37.48	
For Damper Blades Outside Air Stream, Add	56.22	
23 33 13 16-0172 EA 60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	364.94	53.66
For Horizontal, Add	30.57	
For Dynamic Damper, Add	45.86	
For 3 Hour Rated, Add	40.76	
For Damper Blades Outside Air Stream, Add	61.14	
23 33 13 16-0173 EA 60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	388.35	55.98
For Horizontal, Add	33.03	
For Dynamic Damper, Add	49.55	
For 3 Hour Rated, Add	44.04	
For Damper Blades Outside Air Stream, Add	66.06	
23 33 13 16-0174 EA 60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	409.40	58.36
For Horizontal, Add	35.14	
For Dynamic Damper, Add	52.71	
For 3 Hour Rated, Add	46.85	
For Damper Blades Outside Air Stream, Add	70.28	
23 33 13 16-0175 EA 60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	430.48	60.67
For Horizontal, Add	37.25	
For Dynamic Damper, Add	55.87	
For 3 Hour Rated, Add	49.66	
For Damper Blades Outside Air Stream, Add	74.50	
23 33 13 16-0176 Parallel Blade Louver Fire Damper <small>(23 33 13 16)</small>		
Note: UL listed. Galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.		
23 33 13 16-0177 EA 6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	57.27	7.78
For Horizontal, Add	5.09	
For Dynamic Damper, Add	7.64	
For 3 Hour Rated, Add	6.79	
23 33 13 16-0178 EA 8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	59.77	8.12
For Horizontal, Add	5.31	
For Dynamic Damper, Add	7.96	
For 3 Hour Rated, Add	7.08	
23 33 13 16-0179 EA 8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	61.38	8.19
For Horizontal, Add	5.53	
For Dynamic Damper, Add	8.29	
For 3 Hour Rated, Add	7.37	
23 33 13 16-0180 EA 10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	61.38	8.19
For Horizontal, Add	5.53	
For Dynamic Damper, Add	8.29	
For 3 Hour Rated, Add	7.37	
23 33 13 16-0181 EA 10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	63.55	8.41
For Horizontal, Add	5.75	
For Dynamic Damper, Add	8.62	
For 3 Hour Rated, Add	7.67	
23 33 13 16-0182 EA 10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	69.27	9.31
For Horizontal, Add	6.19	
For Dynamic Damper, Add	9.28	
For 3 Hour Rated, Add	8.25	
23 33 13 16-0183 EA 12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	63.55	8.41
For Horizontal, Add	5.75	
For Dynamic Damper, Add	8.62	
For 3 Hour Rated, Add	7.67	
23 33 13 16-0184 EA 12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	67.87	8.90
For Horizontal, Add	6.19	
For Dynamic Damper, Add	9.28	
For 3 Hour Rated, Add	8.25	
23 33 13 16-0185 EA 12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	70.74	9.31
For Horizontal, Add	6.41	
For Dynamic Damper, Add	9.61	
For 3 Hour Rated, Add	8.54	
23 33 13 16-0186 EA 12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	75.71	10.51
For Horizontal, Add	6.63	
For Dynamic Damper, Add	9.94	
For 3 Hour Rated, Add	8.84	
23 33 13 16-0187 EA 14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	67.14	8.90
For Horizontal, Add	6.08	
For Dynamic Damper, Add	9.12	
For 3 Hour Rated, Add	8.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0188 EA 14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	70.74	9.31
<i>For Horizontal, Add</i>	6.41	
<i>For Dynamic Damper, Add</i>	9.61	
<i>For 3 Hour Rated, Add</i>	8.54	
23 33 13 16-0189 EA 14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	73.60	9.81
<i>For Horizontal, Add</i>	6.63	
<i>For Dynamic Damper, Add</i>	9.94	
<i>For 3 Hour Rated, Add</i>	8.84	
23 33 13 16-0190 EA 14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	77.17	10.51
<i>For Horizontal, Add</i>	6.85	
<i>For Dynamic Damper, Add</i>	10.27	
<i>For 3 Hour Rated, Add</i>	9.13	
23 33 13 16-0191 EA 14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	84.34	11.70
<i>For Horizontal, Add</i>	7.40	
<i>For Dynamic Damper, Add</i>	11.09	
<i>For 3 Hour Rated, Add</i>	9.86	
23 33 13 16-0192 EA 16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.68	9.31
<i>For Horizontal, Add</i>	8.95	
<i>For Dynamic Damper, Add</i>	13.42	
<i>For 3 Hour Rated, Add</i>	11.93	
23 33 13 16-0193 EA 16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	91.43	10.02
<i>For Horizontal, Add</i>	9.20	
<i>For Dynamic Damper, Add</i>	13.79	
<i>For 3 Hour Rated, Add</i>	12.26	
23 33 13 16-0194 EA 16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	95.88	11.00
<i>For Horizontal, Add</i>	9.44	
<i>For Dynamic Damper, Add</i>	14.16	
<i>For 3 Hour Rated, Add</i>	12.59	
23 33 13 16-0195 EA 16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	99.61	11.70
<i>For Horizontal, Add</i>	9.69	
<i>For Dynamic Damper, Add</i>	14.53	
<i>For 3 Hour Rated, Add</i>	12.92	
23 33 13 16-0196 EA 16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	107.22	12.82
<i>For Horizontal, Add</i>	10.30	
<i>For Dynamic Damper, Add</i>	15.46	
<i>For 3 Hour Rated, Add</i>	13.74	
23 33 13 16-0197 EA 16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	114.83	14.01
<i>For Horizontal, Add</i>	10.92	
<i>For Dynamic Damper, Add</i>	16.38	
<i>For 3 Hour Rated, Add</i>	14.56	
23 33 13 16-0198 EA 18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	90.72	9.81
<i>For Horizontal, Add</i>	9.20	
<i>For Dynamic Damper, Add</i>	13.79	
<i>For 3 Hour Rated, Add</i>	12.26	
23 33 13 16-0199 EA 18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	95.29	10.51
<i>For Horizontal, Add</i>	9.56	
<i>For Dynamic Damper, Add</i>	14.35	
<i>For 3 Hour Rated, Add</i>	12.75	
23 33 13 16-0200 EA 18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	101.27	11.70
<i>For Horizontal, Add</i>	9.94	
<i>For Dynamic Damper, Add</i>	14.90	
<i>For 3 Hour Rated, Add</i>	13.25	
23 33 13 16-0201 EA 18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	108.86	12.82
<i>For Horizontal, Add</i>	10.55	
<i>For Dynamic Damper, Add</i>	15.82	
<i>For 3 Hour Rated, Add</i>	14.07	
23 33 13 16-0202 EA 18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	115.65	14.01
<i>For Horizontal, Add</i>	11.04	
<i>For Dynamic Damper, Add</i>	16.56	
<i>For 3 Hour Rated, Add</i>	14.72	
23 33 13 16-0203 EA 18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	123.25	15.13
<i>For Horizontal, Add</i>	11.66	
<i>For Dynamic Damper, Add</i>	17.48	
<i>For 3 Hour Rated, Add</i>	15.54	
23 33 13 16-0204 EA 18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	129.21	16.33
<i>For Horizontal, Add</i>	12.03	
<i>For Dynamic Damper, Add</i>	18.04	
<i>For 3 Hour Rated, Add</i>	16.03	
23 33 13 16-0205 EA 20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	94.48	10.51
<i>For Horizontal, Add</i>	9.44	
<i>For Dynamic Damper, Add</i>	14.16	
<i>For 3 Hour Rated, Add</i>	12.59	
23 33 13 16-0206 EA 20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	101.25	11.70
<i>For Horizontal, Add</i>	9.93	
<i>For Dynamic Damper, Add</i>	14.90	
<i>For 3 Hour Rated, Add</i>	13.24	
23 33 13 16-0207 EA 20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	108.04	12.82
<i>For Horizontal, Add</i>	10.43	
<i>For Dynamic Damper, Add</i>	15.64	
<i>For 3 Hour Rated, Add</i>	13.90	
23 33 13 16-0208 EA 20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	118.12	14.01
<i>For Horizontal, Add</i>	11.41	
<i>For Dynamic Damper, Add</i>	17.12	
<i>For 3 Hour Rated, Add</i>	15.22	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0209	EA		20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	124.08	15.13
			<i>For Horizontal, Add</i>	11.78	
			<i>For Dynamic Damper, Add</i>	17.67	
			<i>For 3 Hour Rated, Add</i>	15.71	
23 33 13 16-0210	EA		20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	130.03	16.33
			<i>For Horizontal, Add</i>	12.15	
			<i>For Dynamic Damper, Add</i>	18.22	
			<i>For 3 Hour Rated, Add</i>	16.20	
23 33 13 16-0211	EA		20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	136.81	17.52
			<i>For Horizontal, Add</i>	12.64	
			<i>For Dynamic Damper, Add</i>	18.96	
			<i>For 3 Hour Rated, Add</i>	16.85	
23 33 13 16-0212	EA		20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	143.59	18.64
			<i>For Horizontal, Add</i>	13.13	
			<i>For Dynamic Damper, Add</i>	19.70	
			<i>For 3 Hour Rated, Add</i>	17.51	
23 33 13 16-0213	EA		24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	116.33	11.70
			<i>For Horizontal, Add</i>	12.20	
			<i>For Dynamic Damper, Add</i>	18.29	
			<i>For 3 Hour Rated, Add</i>	16.26	
23 33 13 16-0214	EA		24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	124.76	12.82
			<i>For Horizontal, Add</i>	12.93	
			<i>For Dynamic Damper, Add</i>	19.40	
			<i>For 3 Hour Rated, Add</i>	17.25	
23 33 13 16-0215	EA		24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	131.56	14.01
			<i>For Horizontal, Add</i>	13.43	
			<i>For Dynamic Damper, Add</i>	20.14	
			<i>For 3 Hour Rated, Add</i>	17.90	
23 33 13 16-0216	EA		24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	139.96	15.13
			<i>For Horizontal, Add</i>	14.16	
			<i>For Dynamic Damper, Add</i>	21.24	
			<i>For 3 Hour Rated, Add</i>	18.88	
23 33 13 16-0217	EA		24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	145.93	16.33
			<i>For Horizontal, Add</i>	14.53	
			<i>For Dynamic Damper, Add</i>	21.80	
			<i>For 3 Hour Rated, Add</i>	19.38	
23 33 13 16-0218	EA		24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	151.88	17.52
			<i>For Horizontal, Add</i>	14.90	
			<i>For Dynamic Damper, Add</i>	22.35	
			<i>For 3 Hour Rated, Add</i>	19.87	
23 33 13 16-0219	EA		24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	160.31	18.64
			<i>For Horizontal, Add</i>	15.64	
			<i>For Dynamic Damper, Add</i>	23.46	
			<i>For 3 Hour Rated, Add</i>	20.85	
23 33 13 16-0220	EA		24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	172.23	21.01
			<i>For Horizontal, Add</i>	16.38	
			<i>For Dynamic Damper, Add</i>	24.57	
			<i>For 3 Hour Rated, Add</i>	21.84	
23 33 13 16-0221	EA		24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.80	23.33
			<i>For Horizontal, Add</i>	17.36	
			<i>For Dynamic Damper, Add</i>	26.04	
			<i>For 3 Hour Rated, Add</i>	23.15	
23 33 13 16-0222	EA		28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	124.76	12.82
			<i>For Horizontal, Add</i>	12.93	
			<i>For Dynamic Damper, Add</i>	19.40	
			<i>For 3 Hour Rated, Add</i>	17.25	
23 33 13 16-0223	EA		28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	131.56	14.01
			<i>For Horizontal, Add</i>	13.43	
			<i>For Dynamic Damper, Add</i>	20.14	
			<i>For 3 Hour Rated, Add</i>	17.90	
23 33 13 16-0224	EA		28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	139.96	15.13
			<i>For Horizontal, Add</i>	14.16	
			<i>For Dynamic Damper, Add</i>	21.24	
			<i>For 3 Hour Rated, Add</i>	18.88	
23 33 13 16-0225	EA		28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	146.74	16.33
			<i>For Horizontal, Add</i>	14.66	
			<i>For Dynamic Damper, Add</i>	21.98	
			<i>For 3 Hour Rated, Add</i>	19.54	
23 33 13 16-0226	EA		28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.35	17.52
			<i>For Horizontal, Add</i>	15.27	
			<i>For Dynamic Damper, Add</i>	22.91	
			<i>For 3 Hour Rated, Add</i>	20.36	
23 33 13 16-0227	EA		28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	161.94	18.64
			<i>For Horizontal, Add</i>	15.88	
			<i>For Dynamic Damper, Add</i>	23.83	
			<i>For 3 Hour Rated, Add</i>	21.18	
23 33 13 16-0228	EA		28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.87	21.01
			<i>For Horizontal, Add</i>	16.62	
			<i>For Dynamic Damper, Add</i>	24.93	
			<i>For 3 Hour Rated, Add</i>	22.16	
23 33 13 16-0229	EA		28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.80	23.33
			<i>For Horizontal, Add</i>	17.36	
			<i>For Dynamic Damper, Add</i>	26.04	
			<i>For 3 Hour Rated, Add</i>	23.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0230 EA 28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	199.15	24.52
<i>For Horizontal, Add</i>	18.84	
<i>For Dynamic Damper, Add</i>	28.26	
<i>For 3 Hour Rated, Add</i>	25.12	
23 33 13 16-0231 EA 28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	214.35	26.83
<i>For Horizontal, Add</i>	20.07	
<i>For Dynamic Damper, Add</i>	30.10	
<i>For 3 Hour Rated, Add</i>	26.76	
23 33 13 16-0232 EA 32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	136.46	14.01
<i>For Horizontal, Add</i>	14.16	
<i>For Dynamic Damper, Add</i>	21.24	
<i>For 3 Hour Rated, Add</i>	18.88	
23 33 13 16-0233 EA 32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	141.59	15.13
<i>For Horizontal, Add</i>	14.41	
<i>For Dynamic Damper, Add</i>	21.61	
<i>For 3 Hour Rated, Add</i>	19.21	
23 33 13 16-0234 EA 32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	146.74	16.33
<i>For Horizontal, Add</i>	14.66	
<i>For Dynamic Damper, Add</i>	21.98	
<i>For 3 Hour Rated, Add</i>	19.54	
23 33 13 16-0235 EA 32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	153.51	17.52
<i>For Horizontal, Add</i>	15.15	
<i>For Dynamic Damper, Add</i>	22.72	
<i>For 3 Hour Rated, Add</i>	20.19	
23 33 13 16-0236 EA 32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	162.25	18.64
<i>For Horizontal, Add</i>	15.93	
<i>For Dynamic Damper, Add</i>	23.90	
<i>For 3 Hour Rated, Add</i>	21.24	
23 33 13 16-0237 EA 32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	173.87	21.01
<i>For Horizontal, Add</i>	16.62	
<i>For Dynamic Damper, Add</i>	24.93	
<i>For 3 Hour Rated, Add</i>	22.16	
23 33 13 16-0238 EA 32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	187.45	23.33
<i>For Horizontal, Add</i>	17.61	
<i>For Dynamic Damper, Add</i>	26.41	
<i>For 3 Hour Rated, Add</i>	23.48	
23 33 13 16-0239 EA 32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	201.01	25.64
<i>For Horizontal, Add</i>	18.59	
<i>For Dynamic Damper, Add</i>	27.89	
<i>For 3 Hour Rated, Add</i>	24.79	
23 33 13 16-0240 EA 32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	214.35	26.83
<i>For Horizontal, Add</i>	20.07	
<i>For Dynamic Damper, Add</i>	30.10	
<i>For 3 Hour Rated, Add</i>	26.76	
23 33 13 16-0241 EA 32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	231.43	28.72
<i>For Horizontal, Add</i>	21.79	
<i>For Dynamic Damper, Add</i>	32.68	
<i>For 3 Hour Rated, Add</i>	29.05	
23 33 13 16-0242 EA 32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	249.45	30.34
<i>For Horizontal, Add</i>	23.76	
<i>For Dynamic Damper, Add</i>	35.64	
<i>For 3 Hour Rated, Add</i>	31.68	
23 33 13 16-0243 EA 36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	153.32	15.13
<i>For Horizontal, Add</i>	16.17	
<i>For Dynamic Damper, Add</i>	24.25	
<i>For 3 Hour Rated, Add</i>	21.56	
23 33 13 16-0244 EA 36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	160.55	16.33
<i>For Horizontal, Add</i>	16.73	
<i>For Dynamic Damper, Add</i>	25.09	
<i>For 3 Hour Rated, Add</i>	22.30	
23 33 13 16-0245 EA 36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	167.80	17.52
<i>For Horizontal, Add</i>	17.29	
<i>For Dynamic Damper, Add</i>	25.93	
<i>For 3 Hour Rated, Add</i>	23.05	
23 33 13 16-0246 EA 36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	176.94	18.64
<i>For Horizontal, Add</i>	18.13	
<i>For Dynamic Damper, Add</i>	27.20	
<i>For 3 Hour Rated, Add</i>	24.18	
23 33 13 16-0247 EA 36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	186.76	21.01
<i>For Horizontal, Add</i>	18.56	
<i>For Dynamic Damper, Add</i>	27.83	
<i>For 3 Hour Rated, Add</i>	24.74	
23 33 13 16-0248 EA 36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	193.08	22.14
<i>For Horizontal, Add</i>	18.98	
<i>For Dynamic Damper, Add</i>	28.47	
<i>For 3 Hour Rated, Add</i>	25.31	
23 33 13 16-0249 EA 36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	212.96	25.64
<i>For Horizontal, Add</i>	20.39	
<i>For Dynamic Damper, Add</i>	30.58	
<i>For 3 Hour Rated, Add</i>	27.18	
23 33 13 16-0250 EA 36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	229.33	28.02
<i>For Horizontal, Add</i>	21.79	
<i>For Dynamic Damper, Add</i>	32.68	
<i>For 3 Hour Rated, Add</i>	29.05	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0251	EA		36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	243.38	28.94
			<i>For Horizontal, Add</i>	23.48	
			<i>For Dynamic Damper, Add</i>	35.21	
			<i>For 3 Hour Rated, Add</i>	31.30	
23 33 13 16-0252	EA		36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	264.67	31.03
			<i>For Horizontal, Add</i>	25.72	
			<i>For Dynamic Damper, Add</i>	38.59	
			<i>For 3 Hour Rated, Add</i>	34.30	
23 33 13 16-0253	EA		36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	282.68	32.65
			<i>For Horizontal, Add</i>	27.69	
			<i>For Dynamic Damper, Add</i>	41.54	
			<i>For 3 Hour Rated, Add</i>	36.92	
23 33 13 16-0254	EA		36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	301.19	33.83
			<i>For Horizontal, Add</i>	29.94	
			<i>For Dynamic Damper, Add</i>	44.91	
			<i>For 3 Hour Rated, Add</i>	39.92	
23 33 13 16-0255	EA		40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	172.12	17.52
			<i>For Horizontal, Add</i>	18.46	
			<i>For Dynamic Damper, Add</i>	27.69	
			<i>For 3 Hour Rated, Add</i>	24.62	
23 33 13 16-0256	EA		40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	183.12	18.64
			<i>For Horizontal, Add</i>	19.59	
			<i>For Dynamic Damper, Add</i>	29.38	
			<i>For 3 Hour Rated, Add</i>	26.12	
23 33 13 16-0257	EA		40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	188.50	19.83
			<i>For Horizontal, Add</i>	19.87	
			<i>For Dynamic Damper, Add</i>	29.80	
			<i>For 3 Hour Rated, Add</i>	26.49	
23 33 13 16-0258	EA		40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	193.88	21.01
			<i>For Horizontal, Add</i>	20.15	
			<i>For Dynamic Damper, Add</i>	30.22	
			<i>For 3 Hour Rated, Add</i>	26.87	
23 33 13 16-0259	EA		40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	207.44	22.14
			<i>For Horizontal, Add</i>	21.13	
			<i>For Dynamic Damper, Add</i>	31.70	
			<i>For 3 Hour Rated, Add</i>	28.18	
23 33 13 16-0260	EA		40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	217.51	23.33
			<i>For Horizontal, Add</i>	22.12	
			<i>For Dynamic Damper, Add</i>	33.18	
			<i>For 3 Hour Rated, Add</i>	29.49	
23 33 13 16-0261	EA		40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	235.52	26.83
			<i>For Horizontal, Add</i>	23.24	
			<i>For Dynamic Damper, Add</i>	34.86	
			<i>For 3 Hour Rated, Add</i>	30.99	
23 33 13 16-0262	EA		40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	250.02	29.15
			<i>For Horizontal, Add</i>	24.37	
			<i>For Dynamic Damper, Add</i>	36.55	
			<i>For 3 Hour Rated, Add</i>	32.49	
23 33 13 16-0263	EA		40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.87	31.03
			<i>For Horizontal, Add</i>	26.05	
			<i>For Dynamic Damper, Add</i>	39.08	
			<i>For 3 Hour Rated, Add</i>	34.74	
23 33 13 16-0264	EA		40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.38	32.65
			<i>For Horizontal, Add</i>	29.15	
			<i>For Dynamic Damper, Add</i>	43.72	
			<i>For 3 Hour Rated, Add</i>	38.86	
23 33 13 16-0265	EA		40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	309.22	34.54
			<i>For Horizontal, Add</i>	30.83	
			<i>For Dynamic Damper, Add</i>	46.25	
			<i>For 3 Hour Rated, Add</i>	41.11	
23 33 13 16-0266	EA		40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	332.65	35.45
			<i>For Horizontal, Add</i>	33.92	
			<i>For Dynamic Damper, Add</i>	50.89	
			<i>For 3 Hour Rated, Add</i>	45.23	
23 33 13 16-0267	EA		40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.00	37.34
			<i>For Horizontal, Add</i>	36.74	
			<i>For Dynamic Damper, Add</i>	55.10	
			<i>For 3 Hour Rated, Add</i>	48.98	
23 33 13 16-0268	EA		44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	179.37	17.52
			<i>For Horizontal, Add</i>	19.02	
			<i>For Dynamic Damper, Add</i>	28.54	
			<i>For 3 Hour Rated, Add</i>	25.37	
23 33 13 16-0269	EA		44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	190.38	18.64
			<i>For Horizontal, Add</i>	20.15	
			<i>For Dynamic Damper, Add</i>	30.22	
			<i>For 3 Hour Rated, Add</i>	26.87	
23 33 13 16-0270	EA		44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	199.51	19.83
			<i>For Horizontal, Add</i>	20.99	
			<i>For Dynamic Damper, Add</i>	31.49	
			<i>For 3 Hour Rated, Add</i>	27.99	
23 33 13 16-0271	EA		44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	204.88	21.01
			<i>For Horizontal, Add</i>	21.27	
			<i>For Dynamic Damper, Add</i>	31.91	
			<i>For 3 Hour Rated, Add</i>	28.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0272 EA 44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	215.88	22.14
For Horizontal, Add	22.40	
For Dynamic Damper, Add	33.60	
For 3 Hour Rated, Add	29.87	
23 33 13 16-0273 EA 44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	226.89	23.33
For Horizontal, Add	23.52	
For Dynamic Damper, Add	35.29	
For 3 Hour Rated, Add	31.37	
23 33 13 16-0274 EA 44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	250.27	28.02
For Horizontal, Add	24.93	
For Dynamic Damper, Add	37.40	
For 3 Hour Rated, Add	33.24	
23 33 13 16-0275 EA 44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	266.63	30.34
For Horizontal, Add	26.33	
For Dynamic Damper, Add	39.50	
For 3 Hour Rated, Add	35.11	
23 33 13 16-0276 EA 44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	292.38	32.65
For Horizontal, Add	29.15	
For Dynamic Damper, Add	43.72	
For 3 Hour Rated, Add	38.86	
23 33 13 16-0277 EA 44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	316.25	35.03
For Horizontal, Add	31.68	
For Dynamic Damper, Add	47.51	
For 3 Hour Rated, Add	42.23	
23 33 13 16-0278 EA 44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	342.00	37.34
For Horizontal, Add	34.49	
For Dynamic Damper, Add	51.73	
For 3 Hour Rated, Add	45.98	
23 33 13 16-0279 EA 44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	362.36	38.46
For Horizontal, Add	37.02	
For Dynamic Damper, Add	55.52	
For 3 Hour Rated, Add	49.35	
23 33 13 16-0280 EA 44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	382.74	39.65
For Horizontal, Add	39.55	
For Dynamic Damper, Add	59.32	
For 3 Hour Rated, Add	52.73	
23 33 13 16-0281 EA 44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	403.12	40.84
For Horizontal, Add	42.08	
For Dynamic Damper, Add	63.12	
For 3 Hour Rated, Add	56.10	
23 33 13 16-0282 EA 48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	188.50	18.64
For Horizontal, Add	19.87	
For Dynamic Damper, Add	29.80	
For 3 Hour Rated, Add	26.49	
23 33 13 16-0283 EA 48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	199.51	19.83
For Horizontal, Add	20.99	
For Dynamic Damper, Add	31.49	
For 3 Hour Rated, Add	27.99	
23 33 13 16-0284 EA 48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	204.88	21.01
For Horizontal, Add	21.27	
For Dynamic Damper, Add	31.91	
For 3 Hour Rated, Add	28.37	
23 33 13 16-0285 EA 48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	217.51	23.33
For Horizontal, Add	22.12	
For Dynamic Damper, Add	33.18	
For 3 Hour Rated, Add	29.49	
23 33 13 16-0286 EA 48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	232.01	25.64
For Horizontal, Add	23.24	
For Dynamic Damper, Add	34.86	
For 3 Hour Rated, Add	30.99	
23 33 13 16-0287 EA 48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	246.51	28.02
For Horizontal, Add	24.37	
For Dynamic Damper, Add	36.55	
For 3 Hour Rated, Add	32.49	
23 33 13 16-0288 EA 48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	264.76	30.34
For Horizontal, Add	26.05	
For Dynamic Damper, Add	39.08	
For 3 Hour Rated, Add	34.74	
23 33 13 16-0289 EA 48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	283.01	32.65
For Horizontal, Add	27.74	
For Dynamic Damper, Add	41.61	
For 3 Hour Rated, Add	36.99	
23 33 13 16-0290 EA 48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	306.88	35.03
For Horizontal, Add	30.27	
For Dynamic Damper, Add	45.41	
For 3 Hour Rated, Add	40.36	
23 33 13 16-0291 EA 48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	334.50	37.34
For Horizontal, Add	33.36	
For Dynamic Damper, Add	50.04	
For 3 Hour Rated, Add	44.48	
23 33 13 16-0292 EA 48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	354.88	38.46
For Horizontal, Add	35.89	
For Dynamic Damper, Add	53.84	
For 3 Hour Rated, Add	47.86	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0293	EA		48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	380.86	39.65
			<i>For Horizontal, Add</i>	39.26	
			<i>For Dynamic Damper, Add</i>	58.90	
			<i>For 3 Hour Rated, Add</i>	52.35	
23 33 13 16-0294	EA		48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	404.75	41.97
			<i>For Horizontal, Add</i>	41.80	
			<i>For Dynamic Damper, Add</i>	62.69	
			<i>For 3 Hour Rated, Add</i>	55.73	
23 33 13 16-0295	EA		48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	430.73	43.16
			<i>For Horizontal, Add</i>	45.17	
			<i>For Dynamic Damper, Add</i>	67.75	
			<i>For 3 Hour Rated, Add</i>	60.23	
23 33 13 16-0296	EA		48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	456.24	46.66
			<i>For Horizontal, Add</i>	47.42	
			<i>For Dynamic Damper, Add</i>	71.13	
			<i>For 3 Hour Rated, Add</i>	63.22	
23 33 13 16-0297	EA		52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	197.63	19.83
			<i>For Horizontal, Add</i>	20.71	
			<i>For Dynamic Damper, Add</i>	31.07	
			<i>For 3 Hour Rated, Add</i>	27.62	
23 33 13 16-0298	EA		52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	208.63	21.01
			<i>For Horizontal, Add</i>	21.84	
			<i>For Dynamic Damper, Add</i>	32.76	
			<i>For 3 Hour Rated, Add</i>	29.12	
23 33 13 16-0299	EA		52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	223.14	23.33
			<i>For Horizontal, Add</i>	22.96	
			<i>For Dynamic Damper, Add</i>	34.44	
			<i>For 3 Hour Rated, Add</i>	30.62	
23 33 13 16-0300	EA		52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.01	25.64
			<i>For Horizontal, Add</i>	23.24	
			<i>For Dynamic Damper, Add</i>	34.86	
			<i>For 3 Hour Rated, Add</i>	30.99	
23 33 13 16-0301	EA		52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.46	28.02
			<i>For Horizontal, Add</i>	24.51	
			<i>For Dynamic Damper, Add</i>	36.76	
			<i>For 3 Hour Rated, Add</i>	32.68	
23 33 13 16-0302	EA		52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.88	30.34
			<i>For Horizontal, Add</i>	25.77	
			<i>For Dynamic Damper, Add</i>	38.66	
			<i>For 3 Hour Rated, Add</i>	34.36	
23 33 13 16-0303	EA		52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.14	32.65
			<i>For Horizontal, Add</i>	27.46	
			<i>For Dynamic Damper, Add</i>	41.19	
			<i>For 3 Hour Rated, Add</i>	36.61	
23 33 13 16-0304	EA		52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	299.38	35.03
			<i>For Horizontal, Add</i>	29.15	
			<i>For Dynamic Damper, Add</i>	43.72	
			<i>For 3 Hour Rated, Add</i>	38.86	
23 33 13 16-0305	EA		52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	323.27	37.34
			<i>For Horizontal, Add</i>	31.68	
			<i>For Dynamic Damper, Add</i>	47.51	
			<i>For 3 Hour Rated, Add</i>	42.23	
23 33 13 16-0306	EA		52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	352.75	39.65
			<i>For Horizontal, Add</i>	35.05	
			<i>For Dynamic Damper, Add</i>	52.57	
			<i>For 3 Hour Rated, Add</i>	46.73	
23 33 13 16-0307	EA		52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	374.99	40.84
			<i>For Horizontal, Add</i>	37.86	
			<i>For Dynamic Damper, Add</i>	56.79	
			<i>For 3 Hour Rated, Add</i>	50.48	
23 33 13 16-0308	EA		52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	402.87	41.97
			<i>For Horizontal, Add</i>	41.51	
			<i>For Dynamic Damper, Add</i>	62.27	
			<i>For 3 Hour Rated, Add</i>	55.35	
23 33 13 16-0309	EA		52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	432.35	44.35
			<i>For Horizontal, Add</i>	44.89	
			<i>For Dynamic Damper, Add</i>	67.33	
			<i>For 3 Hour Rated, Add</i>	59.85	
23 33 13 16-0310	EA		52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	456.24	46.66
			<i>For Horizontal, Add</i>	47.42	
			<i>For Dynamic Damper, Add</i>	71.13	
			<i>For 3 Hour Rated, Add</i>	63.22	
23 33 13 16-0311	EA		52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	489.23	50.16
			<i>For Horizontal, Add</i>	50.79	
			<i>For Dynamic Damper, Add</i>	76.19	
			<i>For 3 Hour Rated, Add</i>	67.72	
23 33 13 16-0312	EA		52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	514.98	52.47
			<i>For Horizontal, Add</i>	53.60	
			<i>For Dynamic Damper, Add</i>	80.40	
			<i>For 3 Hour Rated, Add</i>	71.47	
23 33 13 16-0313	EA		56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	204.88	21.01
			<i>For Horizontal, Add</i>	21.27	
			<i>For Dynamic Damper, Add</i>	31.91	
			<i>For 3 Hour Rated, Add</i>	28.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0314 EA 56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	221.25	23.33
<i>For Horizontal, Add</i>	22.68	
<i>For Dynamic Damper, Add</i>	34.02	
<i>For 3 Hour Rated, Add</i>	30.24	
23 33 13 16-0315 EA 56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	233.89	25.64
<i>For Horizontal, Add</i>	23.52	
<i>For Dynamic Damper, Add</i>	35.29	
<i>For 3 Hour Rated, Add</i>	31.37	
23 33 13 16-0316 EA 56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	242.76	28.02
<i>For Horizontal, Add</i>	23.80	
<i>For Dynamic Damper, Add</i>	35.71	
<i>For 3 Hour Rated, Add</i>	31.74	
23 33 13 16-0317 EA 56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	260.08	30.34
<i>For Horizontal, Add</i>	25.35	
<i>For Dynamic Damper, Add</i>	38.03	
<i>For 3 Hour Rated, Add</i>	33.80	
23 33 13 16-0318 EA 56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	277.39	32.65
<i>For Horizontal, Add</i>	26.90	
<i>For Dynamic Damper, Add</i>	40.34	
<i>For 3 Hour Rated, Add</i>	35.86	
23 33 13 16-0319 EA 56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.70	35.03
<i>For Horizontal, Add</i>	28.44	
<i>For Dynamic Damper, Add</i>	42.66	
<i>For 3 Hour Rated, Add</i>	37.92	
23 33 13 16-0320 EA 56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.02	37.34
<i>For Horizontal, Add</i>	29.99	
<i>For Dynamic Damper, Add</i>	44.98	
<i>For 3 Hour Rated, Add</i>	39.98	
23 33 13 16-0321 EA 56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	341.50	39.65
<i>For Horizontal, Add</i>	33.36	
<i>For Dynamic Damper, Add</i>	50.04	
<i>For 3 Hour Rated, Add</i>	44.48	
23 33 13 16-0322 EA 56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	367.50	40.84
<i>For Horizontal, Add</i>	36.74	
<i>For Dynamic Damper, Add</i>	55.10	
<i>For 3 Hour Rated, Add</i>	48.98	
23 33 13 16-0323 EA 56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	391.62	41.97
<i>For Horizontal, Add</i>	39.83	
<i>For Dynamic Damper, Add</i>	59.74	
<i>For 3 Hour Rated, Add</i>	53.10	
23 33 13 16-0324 EA 56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	424.87	44.35
<i>For Horizontal, Add</i>	43.76	
<i>For Dynamic Damper, Add</i>	65.65	
<i>For 3 Hour Rated, Add</i>	58.35	
23 33 13 16-0325 EA 56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	454.36	46.66
<i>For Horizontal, Add</i>	47.14	
<i>For Dynamic Damper, Add</i>	70.70	
<i>For 3 Hour Rated, Add</i>	62.85	
23 33 13 16-0326 EA 56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	485.72	48.97
<i>For Horizontal, Add</i>	50.79	
<i>For Dynamic Damper, Add</i>	76.19	
<i>For 3 Hour Rated, Add</i>	67.72	
23 33 13 16-0327 EA 56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	511.48	51.35
<i>For Horizontal, Add</i>	53.60	
<i>For Dynamic Damper, Add</i>	80.40	
<i>For 3 Hour Rated, Add</i>	71.47	
23 33 13 16-0328 EA 56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	542.84	53.66
<i>For Horizontal, Add</i>	57.26	
<i>For Dynamic Damper, Add</i>	85.88	
<i>For 3 Hour Rated, Add</i>	76.34	
23 33 13 16-0329 EA 56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	574.21	55.98
<i>For Horizontal, Add</i>	60.91	
<i>For Dynamic Damper, Add</i>	91.37	
<i>For 3 Hour Rated, Add</i>	81.21	
23 33 13 16-0330 EA 60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	217.51	23.33
<i>For Horizontal, Add</i>	22.12	
<i>For Dynamic Damper, Add</i>	33.18	
<i>For 3 Hour Rated, Add</i>	29.49	
23 33 13 16-0331 EA 60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	233.89	25.64
<i>For Horizontal, Add</i>	23.52	
<i>For Dynamic Damper, Add</i>	35.29	
<i>For 3 Hour Rated, Add</i>	31.37	
23 33 13 16-0332 EA 60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	244.63	28.02
<i>For Horizontal, Add</i>	24.08	
<i>For Dynamic Damper, Add</i>	36.13	
<i>For 3 Hour Rated, Add</i>	32.11	
23 33 13 16-0333 EA 60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	253.51	30.34
<i>For Horizontal, Add</i>	24.37	
<i>For Dynamic Damper, Add</i>	36.55	
<i>For 3 Hour Rated, Add</i>	32.49	
23 33 13 16-0334 EA 60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.77	32.65
<i>For Horizontal, Add</i>	26.05	
<i>For Dynamic Damper, Add</i>	39.08	
<i>For 3 Hour Rated, Add</i>	34.74	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0335 EA 60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	290.01	35.03
For Horizontal, Add	27.74	
For Dynamic Damper, Add	41.61	
For 3 Hour Rated, Add	36.99	
23 33 13 16-0336 EA 60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	309.21	37.34
For Horizontal, Add	29.57	
For Dynamic Damper, Add	44.35	
For 3 Hour Rated, Add	39.42	
23 33 13 16-0337 EA 60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	328.39	39.65
For Horizontal, Add	31.39	
For Dynamic Damper, Add	47.09	
For 3 Hour Rated, Add	41.86	
23 33 13 16-0338 EA 60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	356.25	40.84
For Horizontal, Add	35.05	
For Dynamic Damper, Add	52.57	
For 3 Hour Rated, Add	46.73	
23 33 13 16-0339 EA 60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	382.25	41.97
For Horizontal, Add	38.42	
For Dynamic Damper, Add	57.63	
For 3 Hour Rated, Add	51.23	
23 33 13 16-0340 EA 60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	413.63	44.35
For Horizontal, Add	42.08	
For Dynamic Damper, Add	63.12	
For 3 Hour Rated, Add	56.10	
23 33 13 16-0341 EA 60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	445.00	46.66
For Horizontal, Add	45.73	
For Dynamic Damper, Add	68.60	
For 3 Hour Rated, Add	60.98	
23 33 13 16-0342 EA 60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	470.74	48.97
For Horizontal, Add	48.54	
For Dynamic Damper, Add	72.81	
For 3 Hour Rated, Add	64.72	
23 33 13 16-0343 EA 60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	507.73	51.35
For Horizontal, Add	53.04	
For Dynamic Damper, Add	79.56	
For 3 Hour Rated, Add	70.72	
23 33 13 16-0344 EA 60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	540.96	53.66
For Horizontal, Add	56.97	
For Dynamic Damper, Add	85.46	
For 3 Hour Rated, Add	75.97	
23 33 13 16-0345 EA 60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	574.21	55.98
For Horizontal, Add	60.91	
For Dynamic Damper, Add	91.37	
For 3 Hour Rated, Add	81.21	
23 33 13 16-0346 EA 60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	603.70	58.36
For Horizontal, Add	64.28	
For Dynamic Damper, Add	96.42	
For 3 Hour Rated, Add	85.71	
23 33 13 16-0347 EA 60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	633.22	60.67
For Horizontal, Add	67.66	
For Dynamic Damper, Add	101.49	
For 3 Hour Rated, Add	90.21	
23 33 13 16-0348 Round 2 Hour Fire Damper (23 33 13 16)		
23 33 13 16-0349 EA 4" Round 2 Hour Fire Damper	43.97	14.01
23 33 13 16-0350 EA 5" Round 2 Hour Fire Damper	45.11	14.01
23 33 13 16-0351 EA 6" Round 2 Hour Fire Damper	52.37	15.90
23 33 13 16-0352 EA 7" Round 2 Hour Fire Damper	53.61	15.90
23 33 13 16-0353 EA 8" Round 2 Hour Fire Damper	62.38	17.52
23 33 13 16-0354 EA 9" Round 2 Hour Fire Damper	65.80	17.52
23 33 13 16-0355 EA 10" Round 2 Hour Fire Damper	73.12	19.47
23 33 13 16-0356 EA 12" Round 2 Hour Fire Damper	82.17	21.93
23 33 13 16-0357 EA 14" Round 2 Hour Fire Damper	93.56	25.02
23 33 13 16-0358 Round 4 Hour Fire Damper (23 33 13 16)		
23 33 13 16-0359 EA 4" Round 4 Hour Fire Damper	49.72	15.90
23 33 13 16-0360 EA 5" Round 4 Hour Fire Damper	52.83	15.90
23 33 13 16-0361 EA 6" Round 4 Hour Fire Damper	59.16	17.52
23 33 13 16-0362 EA 7" Round 4 Hour Fire Damper	63.18	17.52
23 33 13 16-0363 EA 8" Round 4 Hour Fire Damper	71.09	19.47
23 33 13 16-0364 EA 9" Round 4 Hour Fire Damper	73.54	19.47
23 33 13 16-0365 EA 10" Round 4 Hour Fire Damper	82.24	21.93
23 33 13 16-0366 EA 12" Round 4 Hour Fire Damper	92.01	25.02
23 33 13 16-0367 EA 14" Round 4 Hour Fire Damper	107.34	29.22
23 33 13 19 Smoke-Control Dampers (23 33 13)		
23 33 13 19-0001 Combination Smoke/Fire Damper (23 33 13 19)		
Note: Leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0002 EA 6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	89.68	11.66
For 3 Hour Rated, Add	10.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0003 EA 8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	92.60 11.21	12.19
23 33 13 19-0004 EA 8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	94.16 11.48	12.30
23 33 13 19-0005 EA 10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	94.16 11.48	12.30
23 33 13 19-0006 EA 10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	96.56 11.74	12.61
23 33 13 19-0007 EA 10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	103.46 12.28	13.98
23 33 13 19-0008 EA 12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	96.56 11.74	12.61
23 33 13 19-0009 EA 12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	101.35 12.28	13.34
23 33 13 19-0010 EA 12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	104.80 12.55	13.98
23 33 13 19-0011 EA 12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	111.40 12.82	15.76
23 33 13 19-0012 EA 14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	100.68 12.15	13.34
23 33 13 19-0013 EA 14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	104.80 12.55	13.98
23 33 13 19-0014 EA 14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	108.25 12.82	14.72
23 33 13 19-0015 EA 14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	112.76 13.09	15.76
23 33 13 19-0016 EA 14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	121.37 13.77	17.55
23 33 13 19-0017 EA 16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	154.07 22.41	13.98
23 33 13 19-0018 EA 16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	158.56 22.68	15.03
23 33 13 19-0019 EA 16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	164.12 22.95	16.50
23 33 13 19-0020 EA 16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	168.60 23.21	17.55
23 33 13 19-0021 EA 16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	177.24 23.89	19.23
23 33 13 19-0022 EA 16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	185.86 24.56	21.01
23 33 13 19-0023 EA 18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	157.52 22.68	14.72
23 33 13 19-0024 EA 18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	162.68 23.08	15.76
23 33 13 19-0025 EA 18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	169.97 23.49	17.55
23 33 13 19-0026 EA 18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	178.59 24.16	19.23
23 33 13 19-0027 EA 18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	186.53 24.70	21.01
23 33 13 19-0028 EA 18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	195.15 25.37	22.70
23 33 13 19-0029 EA 18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	202.44 25.77	24.48
23 33 13 19-0030 EA 20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	162.02 22.95	15.76
23 33 13 19-0031 EA 20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	169.96 23.48	17.55
23 33 13 19-0032 EA 20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	177.91 24.02	19.23
23 33 13 19-0033 EA 20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	188.56 25.10	21.01
23 33 13 19-0034 EA 20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	195.83 25.51	22.70
23 33 13 19-0035 EA 20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	203.12 25.91	24.48
23 33 13 19-0036 EA 20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	211.06 26.45	26.28
23 33 13 19-0037 EA 20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	219.00 26.99	27.95
23 33 13 19-0038 EA 24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	225.04 34.50	17.55
23 33 13 19-0039 EA 24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	234.35 35.31	19.23
23 33 13 19-0040 EA 24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	242.31 35.85	21.01
23 33 13 19-0041 EA 24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	251.59 36.66	22.70
23 33 13 19-0042 EA 24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	258.88 37.06	24.48
23 33 13 19-0043 EA 24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	266.15 37.47	26.28
23 33 13 19-0044 EA 24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	275.44 38.27	27.95

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0045	EA		24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	289.99	31.53
			<i>For 3 Hour Rated, Add</i>	39.08	
23 33 13 19-0046	EA		24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	305.88	34.99
			<i>For 3 Hour Rated, Add</i>	40.16	
23 33 13 19-0047	EA		28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	234.35	19.23
			<i>For 3 Hour Rated, Add</i>	35.31	
23 33 13 19-0048	EA		28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	242.31	21.01
			<i>For 3 Hour Rated, Add</i>	35.85	
23 33 13 19-0049	EA		28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	251.59	22.70
			<i>For 3 Hour Rated, Add</i>	36.66	
23 33 13 19-0050	EA		28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	259.55	24.48
			<i>For 3 Hour Rated, Add</i>	37.20	
23 33 13 19-0051	EA		28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	268.17	26.28
			<i>For 3 Hour Rated, Add</i>	37.87	
23 33 13 19-0052	EA		28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	276.78	27.95
			<i>For 3 Hour Rated, Add</i>	38.54	
23 33 13 19-0053	EA		28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	291.33	31.53
			<i>For 3 Hour Rated, Add</i>	39.35	
23 33 13 19-0054	EA		28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	305.88	34.99
			<i>For 3 Hour Rated, Add</i>	40.16	
23 33 13 19-0055	EA		28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	319.22	36.78
			<i>For 3 Hour Rated, Add</i>	41.78	
23 33 13 19-0056	EA		28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	336.46	40.25
			<i>For 3 Hour Rated, Add</i>	43.12	
23 33 13 19-0057	EA		32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	246.34	21.01
			<i>For 3 Hour Rated, Add</i>	36.66	
23 33 13 19-0058	EA		32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	252.93	22.70
			<i>For 3 Hour Rated, Add</i>	36.93	
23 33 13 19-0059	EA		32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	259.55	24.48
			<i>For 3 Hour Rated, Add</i>	37.20	
23 33 13 19-0060	EA		32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	267.49	26.28
			<i>For 3 Hour Rated, Add</i>	37.73	
23 33 13 19-0061	EA		32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	277.03	27.95
			<i>For 3 Hour Rated, Add</i>	38.59	
23 33 13 19-0062	EA		32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	291.33	31.53
			<i>For 3 Hour Rated, Add</i>	39.35	
23 33 13 19-0063	EA		32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	307.23	34.99
			<i>For 3 Hour Rated, Add</i>	40.43	
23 33 13 19-0064	EA		32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	323.13	38.46
			<i>For 3 Hour Rated, Add</i>	41.51	
23 33 13 19-0065	EA		32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	336.46	40.25
			<i>For 3 Hour Rated, Add</i>	43.12	
23 33 13 19-0066	EA		32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	354.31	43.09
			<i>For 3 Hour Rated, Add</i>	45.01	
23 33 13 19-0067	EA		32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	372.43	45.51
			<i>For 3 Hour Rated, Add</i>	47.16	
23 33 13 19-0068	EA		36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	259.85	22.70
			<i>For 3 Hour Rated, Add</i>	38.31	
23 33 13 19-0069	EA		36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	268.04	24.48
			<i>For 3 Hour Rated, Add</i>	38.89	
23 33 13 19-0070	EA		36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	276.21	26.28
			<i>For 3 Hour Rated, Add</i>	39.48	
23 33 13 19-0071	EA		36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	285.86	27.95
			<i>For 3 Hour Rated, Add</i>	40.36	
23 33 13 19-0072	EA		36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	298.58	31.53
			<i>For 3 Hour Rated, Add</i>	40.80	
23 33 13 19-0073	EA		36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	306.02	33.21
			<i>For 3 Hour Rated, Add</i>	41.24	
23 33 13 19-0074	EA		36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	329.11	38.46
			<i>For 3 Hour Rated, Add</i>	42.70	
23 33 13 19-0075	EA		36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	346.94	42.04
			<i>For 3 Hour Rated, Add</i>	44.17	
23 33 13 19-0076	EA		36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	359.92	43.40
			<i>For 3 Hour Rated, Add</i>	45.92	
23 33 13 19-0077	EA		36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	381.09	46.55
			<i>For 3 Hour Rated, Add</i>	48.27	
23 33 13 19-0078	EA		36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	398.69	48.97
			<i>For 3 Hour Rated, Add</i>	50.31	
23 33 13 19-0079	EA		36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	415.65	50.76
			<i>For 3 Hour Rated, Add</i>	52.66	
23 33 13 19-0080	EA		40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	315.84	26.28
			<i>For 3 Hour Rated, Add</i>	48.45	
23 33 13 19-0081	EA		40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	326.94	27.95
			<i>For 3 Hour Rated, Add</i>	49.62	
23 33 13 19-0082	EA		40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	333.66	29.74
			<i>For 3 Hour Rated, Add</i>	49.92	
23 33 13 19-0083	EA		40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	340.39	31.53
			<i>For 3 Hour Rated, Add</i>	50.21	
23 33 13 19-0084	EA		40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	356.01	33.21
			<i>For 3 Hour Rated, Add</i>	51.24	
23 33 13 19-0085	EA		40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	366.39	34.99
			<i>For 3 Hour Rated, Add</i>	52.26	
23 33 13 19-0086	EA		40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	388.02	40.25
			<i>For 3 Hour Rated, Add</i>	53.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0087 EA 40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	404.38 54.60	43.71
23 33 13 19-0088 EA 40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	421.57 56.36	46.55
23 33 13 19-0089 EA 40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	445.03 59.58	48.97
23 33 13 19-0090 EA 40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	462.22 61.34	51.81
23 33 13 19-0091 EA 40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	482.53 64.56	53.18
23 33 13 19-0092 EA 40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	505.59 67.49	56.01
23 33 13 19-0093 EA 44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	324.02 49.04	26.28
23 33 13 19-0094 EA 44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	335.13 50.21	27.95
23 33 13 19-0095 EA 44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	344.78 51.09	29.74
23 33 13 19-0096 EA 44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	351.50 51.38	31.53
23 33 13 19-0097 EA 44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	362.61 52.56	33.21
23 33 13 19-0098 EA 44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	373.71 53.73	34.99
23 33 13 19-0099 EA 44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	402.07 55.19	42.04
23 33 13 19-0100 EA 44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	419.88 56.65	45.51
23 33 13 19-0101 EA 44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	445.03 59.58	48.97
23 33 13 19-0102 EA 44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	468.72 62.22	52.54
23 33 13 19-0103 EA 44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	493.86 65.14	56.01
23 33 13 19-0104 EA 44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	512.30 67.78	57.69
23 33 13 19-0105 EA 44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	530.73 70.42	59.48
23 33 13 19-0106 EA 44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	549.17 73.05	61.27
23 33 13 19-0107 EA 48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	333.66 49.92	27.95
23 33 13 19-0108 EA 48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	344.78 51.09	29.74
23 33 13 19-0109 EA 48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	351.50 51.38	31.53
23 33 13 19-0110 EA 48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	366.39 52.26	34.99
23 33 13 19-0111 EA 48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	382.76 53.43	38.46
23 33 13 19-0112 EA 48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	399.13 54.60	42.04
23 33 13 19-0113 EA 48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	418.42 56.36	45.51
23 33 13 19-0114 EA 48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	437.71 58.12	48.97
23 33 13 19-0115 EA 48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	461.40 60.75	52.54
23 33 13 19-0116 EA 48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	488.00 63.97	56.01
23 33 13 19-0117 EA 48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	506.46 66.61	57.69
23 33 13 19-0118 EA 48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	529.26 70.12	59.48
23 33 13 19-0119 EA 48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	552.96 72.76	62.94
23 33 13 19-0120 EA 48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	575.78 76.27	64.74
23 33 13 19-0121 EA 48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	603.26 78.62	69.99
23 33 13 19-0122 EA 52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	343.31 50.80	29.74
23 33 13 19-0123 EA 52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	354.42 51.97	31.53
23 33 13 19-0124 EA 52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	370.78 53.14	34.99
23 33 13 19-0125 EA 52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	382.76 53.43	38.46
23 33 13 19-0126 EA 52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	399.87 54.75	42.04
23 33 13 19-0127 EA 52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	416.96 56.07	45.51
23 33 13 19-0128 EA 52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	436.25 57.83	48.97

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0129	EA		52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	455.54	52.54
			<i>For 3 Hour Rated, Add</i>	59.58	
23 33 13 19-0130	EA		52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	479.23	56.01
			<i>For 3 Hour Rated, Add</i>	62.22	
23 33 13 19-0131	EA		52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	507.31	59.48
			<i>For 3 Hour Rated, Add</i>	65.73	
23 33 13 19-0132	EA		52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	527.19	61.27
			<i>For 3 Hour Rated, Add</i>	68.66	
23 33 13 19-0133	EA		52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	551.50	62.94
			<i>For 3 Hour Rated, Add</i>	72.47	
23 33 13 19-0134	EA		52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	579.55	66.52
			<i>For 3 Hour Rated, Add</i>	75.98	
23 33 13 19-0135	EA		52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	603.26	69.99
			<i>For 3 Hour Rated, Add</i>	78.62	
23 33 13 19-0136	EA		52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	636.58	75.24
			<i>For 3 Hour Rated, Add</i>	82.13	
23 33 13 19-0137	EA		52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	661.74	78.71
			<i>For 3 Hour Rated, Add</i>	85.06	
23 33 13 19-0138	EA		56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	351.50	31.53
			<i>For 3 Hour Rated, Add</i>	51.38	
23 33 13 19-0139	EA		56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	369.31	34.99
			<i>For 3 Hour Rated, Add</i>	52.85	
23 33 13 19-0140	EA		56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	384.22	38.46
			<i>For 3 Hour Rated, Add</i>	53.73	
23 33 13 19-0141	EA		56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	396.20	42.04
			<i>For 3 Hour Rated, Add</i>	54.02	
23 33 13 19-0142	EA		56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	414.76	45.51
			<i>For 3 Hour Rated, Add</i>	55.63	
23 33 13 19-0143	EA		56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	433.32	48.97
			<i>For 3 Hour Rated, Add</i>	57.24	
23 33 13 19-0144	EA		56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	451.88	52.54
			<i>For 3 Hour Rated, Add</i>	58.85	
23 33 13 19-0145	EA		56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	470.44	56.01
			<i>For 3 Hour Rated, Add</i>	60.46	
23 33 13 19-0146	EA		56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	498.51	59.48
			<i>For 3 Hour Rated, Add</i>	63.97	
23 33 13 19-0147	EA		56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	521.35	61.27
			<i>For 3 Hour Rated, Add</i>	67.49	
23 33 13 19-0148	EA		56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	542.70	62.94
			<i>For 3 Hour Rated, Add</i>	70.71	
23 33 13 19-0149	EA		56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	573.70	66.52
			<i>For 3 Hour Rated, Add</i>	74.81	
23 33 13 19-0150	EA		56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	601.79	69.99
			<i>For 3 Hour Rated, Add</i>	78.32	
23 33 13 19-0151	EA		56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	631.33	73.46
			<i>For 3 Hour Rated, Add</i>	82.13	
23 33 13 19-0152	EA		56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	656.48	77.03
			<i>For 3 Hour Rated, Add</i>	85.06	
23 33 13 19-0153	EA		56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	686.02	80.50
			<i>For 3 Hour Rated, Add</i>	88.86	
23 33 13 19-0154	EA		56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	715.56	83.97
			<i>For 3 Hour Rated, Add</i>	92.67	
23 33 13 19-0155	EA		60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	366.39	34.99
			<i>For 3 Hour Rated, Add</i>	52.26	
23 33 13 19-0156	EA		60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	384.22	38.46
			<i>For 3 Hour Rated, Add</i>	53.73	
23 33 13 19-0157	EA		60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	397.67	42.04
			<i>For 3 Hour Rated, Add</i>	54.31	
23 33 13 19-0158	EA		60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	409.63	45.51
			<i>For 3 Hour Rated, Add</i>	54.60	
23 33 13 19-0159	EA		60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.93	48.97
			<i>For 3 Hour Rated, Add</i>	56.36	
23 33 13 19-0160	EA		60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	448.22	52.54
			<i>For 3 Hour Rated, Add</i>	58.12	
23 33 13 19-0161	EA		60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	468.24	56.01
			<i>For 3 Hour Rated, Add</i>	60.02	
23 33 13 19-0162	EA		60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	488.28	59.48
			<i>For 3 Hour Rated, Add</i>	61.93	
23 33 13 19-0163	EA		60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	512.56	61.27
			<i>For 3 Hour Rated, Add</i>	65.73	
23 33 13 19-0164	EA		60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	535.38	62.94
			<i>For 3 Hour Rated, Add</i>	69.24	
23 33 13 19-0165	EA		60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	564.93	66.52
			<i>For 3 Hour Rated, Add</i>	73.05	
23 33 13 19-0166	EA		60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	594.48	69.99
			<i>For 3 Hour Rated, Add</i>	76.86	
23 33 13 19-0167	EA		60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	619.63	73.46
			<i>For 3 Hour Rated, Add</i>	79.79	
23 33 13 19-0168	EA		60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	653.55	77.03
			<i>For 3 Hour Rated, Add</i>	84.47	
23 33 13 19-0169	EA		60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	684.56	80.50
			<i>For 3 Hour Rated, Add</i>	88.57	
23 33 13 19-0170	EA		60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	715.56	83.97
			<i>For 3 Hour Rated, Add</i>	92.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0171 EA 60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	743.63	87.54
<i>For 3 Hour Rated, Add</i>	96.18	
23 33 13 19-0172 EA 60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	771.73	91.00
<i>For 3 Hour Rated, Add</i>	99.70	
23 33 13 19-0173 Smoke Damper <small>(23 33 13 19)</small>		
Note: Leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0174 EA 6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	71.90	7.78
<i>For Dynamic Damper, Add</i>	10.93	
<i>For 3 Hour Rated, Add</i>	9.71	
23 33 13 19-0175 EA 8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	74.17	8.12
<i>For Dynamic Damper, Add</i>	11.20	
<i>For 3 Hour Rated, Add</i>	9.96	
23 33 13 19-0176 EA 8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	75.55	8.19
<i>For Dynamic Damper, Add</i>	11.48	
<i>For 3 Hour Rated, Add</i>	10.21	
23 33 13 19-0177 EA 10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	75.55	8.19
<i>For Dynamic Damper, Add</i>	11.48	
<i>For 3 Hour Rated, Add</i>	10.21	
23 33 13 19-0178 EA 10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	77.48	8.41
<i>For Dynamic Damper, Add</i>	11.76	
<i>For 3 Hour Rated, Add</i>	10.45	
23 33 13 19-0179 EA 10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	82.73	9.31
<i>For Dynamic Damper, Add</i>	12.31	
<i>For 3 Hour Rated, Add</i>	10.94	
23 33 13 19-0180 EA 12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	77.48	8.41
<i>For Dynamic Damper, Add</i>	11.76	
<i>For 3 Hour Rated, Add</i>	10.45	
23 33 13 19-0181 EA 12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	81.33	8.90
<i>For Dynamic Damper, Add</i>	12.31	
<i>For 3 Hour Rated, Add</i>	10.94	
23 33 13 19-0182 EA 12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	83.97	9.31
<i>For Dynamic Damper, Add</i>	12.59	
<i>For 3 Hour Rated, Add</i>	11.19	
23 33 13 19-0183 EA 12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	88.70	10.51
<i>For Dynamic Damper, Add</i>	12.86	
<i>For 3 Hour Rated, Add</i>	11.43	
23 33 13 19-0184 EA 14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	80.72	8.90
<i>For Dynamic Damper, Add</i>	12.17	
<i>For 3 Hour Rated, Add</i>	10.82	
23 33 13 19-0185 EA 14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	83.97	9.31
<i>For Dynamic Damper, Add</i>	12.59	
<i>For 3 Hour Rated, Add</i>	11.19	
23 33 13 19-0186 EA 14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	86.59	9.81
<i>For Dynamic Damper, Add</i>	12.86	
<i>For 3 Hour Rated, Add</i>	11.43	
23 33 13 19-0187 EA 14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	89.94	10.51
<i>For Dynamic Damper, Add</i>	13.14	
<i>For 3 Hour Rated, Add</i>	11.68	
23 33 13 19-0188 EA 14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	96.51	11.70
<i>For Dynamic Damper, Add</i>	13.83	
<i>For 3 Hour Rated, Add</i>	12.30	
23 33 13 19-0189 EA 16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	128.75	9.31
<i>For Dynamic Damper, Add</i>	22.66	
<i>For 3 Hour Rated, Add</i>	20.15	
23 33 13 19-0190 EA 16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	132.09	10.02
<i>For Dynamic Damper, Add</i>	22.94	
<i>For 3 Hour Rated, Add</i>	20.39	
23 33 13 19-0191 EA 16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	136.12	11.00
<i>For Dynamic Damper, Add</i>	23.22	
<i>For 3 Hour Rated, Add</i>	20.64	
23 33 13 19-0192 EA 16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	139.44	11.70
<i>For Dynamic Damper, Add</i>	23.49	
<i>For 3 Hour Rated, Add</i>	20.88	
23 33 13 19-0193 EA 16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	146.03	12.82
<i>For Dynamic Damper, Add</i>	24.19	
<i>For 3 Hour Rated, Add</i>	21.50	
23 33 13 19-0194 EA 16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	152.61	14.01
<i>For Dynamic Damper, Add</i>	24.88	
<i>For 3 Hour Rated, Add</i>	22.11	
23 33 13 19-0195 EA 18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	131.38	9.81
<i>For Dynamic Damper, Add</i>	22.94	
<i>For 3 Hour Rated, Add</i>	20.39	
23 33 13 19-0196 EA 18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	135.33	10.51
<i>For Dynamic Damper, Add</i>	23.36	
<i>For 3 Hour Rated, Add</i>	20.76	
23 33 13 19-0197 EA 18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	140.69	11.70
<i>For Dynamic Damper, Add</i>	23.77	
<i>For 3 Hour Rated, Add</i>	21.13	
23 33 13 19-0198 EA 18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	147.26	12.82
<i>For Dynamic Damper, Add</i>	24.46	
<i>For 3 Hour Rated, Add</i>	21.75	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0199	EA		18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	153.22	14.01
			<i>For Dynamic Damper, Add</i>	25.02	
			<i>For 3 Hour Rated, Add</i>	22.24	
23 33 13 19-0200	EA		18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	159.80	15.13
			<i>For Dynamic Damper, Add</i>	25.71	
			<i>For 3 Hour Rated, Add</i>	22.85	
23 33 13 19-0201	EA		18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	165.15	16.33
			<i>For Dynamic Damper, Add</i>	26.12	
			<i>For 3 Hour Rated, Add</i>	23.22	
23 33 13 19-0202	EA		20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	134.72	10.51
			<i>For Dynamic Damper, Add</i>	23.22	
			<i>For 3 Hour Rated, Add</i>	20.64	
23 33 13 19-0203	EA		20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	140.68	11.70
			<i>For Dynamic Damper, Add</i>	23.77	
			<i>For 3 Hour Rated, Add</i>	21.13	
23 33 13 19-0204	EA		20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	146.64	12.82
			<i>For Dynamic Damper, Add</i>	24.32	
			<i>For 3 Hour Rated, Add</i>	21.62	
23 33 13 19-0205	EA		20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	155.08	14.01
			<i>For Dynamic Damper, Add</i>	25.43	
			<i>For 3 Hour Rated, Add</i>	22.61	
23 33 13 19-0206	EA		20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	160.42	15.13
			<i>For Dynamic Damper, Add</i>	25.85	
			<i>For 3 Hour Rated, Add</i>	22.98	
23 33 13 19-0207	EA		20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	165.77	16.33
			<i>For Dynamic Damper, Add</i>	26.26	
			<i>For 3 Hour Rated, Add</i>	23.35	
23 33 13 19-0208	EA		20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	171.72	17.52
			<i>For Dynamic Damper, Add</i>	26.82	
			<i>For 3 Hour Rated, Add</i>	23.84	
23 33 13 19-0209	EA		20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	177.69	18.64
			<i>For Dynamic Damper, Add</i>	27.37	
			<i>For 3 Hour Rated, Add</i>	24.33	
23 33 13 19-0210	EA		24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	177.73	11.70
			<i>For Dynamic Damper, Add</i>	32.11	
			<i>For 3 Hour Rated, Add</i>	28.54	
23 33 13 19-0211	EA		24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	184.93	12.82
			<i>For Dynamic Damper, Add</i>	32.94	
			<i>For 3 Hour Rated, Add</i>	29.28	
23 33 13 19-0212	EA		24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	190.91	14.01
			<i>For Dynamic Damper, Add</i>	33.50	
			<i>For 3 Hour Rated, Add</i>	29.77	
23 33 13 19-0213	EA		24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	198.10	15.13
			<i>For Dynamic Damper, Add</i>	34.33	
			<i>For 3 Hour Rated, Add</i>	30.51	
23 33 13 19-0214	EA		24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.44	16.33
			<i>For Dynamic Damper, Add</i>	34.74	
			<i>For 3 Hour Rated, Add</i>	30.88	
23 33 13 19-0215	EA		24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	208.78	17.52
			<i>For Dynamic Damper, Add</i>	35.15	
			<i>For 3 Hour Rated, Add</i>	31.25	
23 33 13 19-0216	EA		24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.98	18.64
			<i>For Dynamic Damper, Add</i>	35.98	
			<i>For 3 Hour Rated, Add</i>	31.99	
23 33 13 19-0217	EA		24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	226.67	21.01
			<i>For Dynamic Damper, Add</i>	36.81	
			<i>For 3 Hour Rated, Add</i>	32.72	
23 33 13 19-0218	EA		24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.60	23.33
			<i>For Dynamic Damper, Add</i>	37.92	
			<i>For 3 Hour Rated, Add</i>	33.71	
23 33 13 19-0219	EA		28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	184.93	12.82
			<i>For Dynamic Damper, Add</i>	32.94	
			<i>For 3 Hour Rated, Add</i>	29.28	
23 33 13 19-0220	EA		28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	190.91	14.01
			<i>For Dynamic Damper, Add</i>	33.50	
			<i>For 3 Hour Rated, Add</i>	29.77	
23 33 13 19-0221	EA		28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	198.10	15.13
			<i>For Dynamic Damper, Add</i>	34.33	
			<i>For 3 Hour Rated, Add</i>	30.51	
23 33 13 19-0222	EA		28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	204.05	16.33
			<i>For Dynamic Damper, Add</i>	34.88	
			<i>For 3 Hour Rated, Add</i>	31.00	
23 33 13 19-0223	EA		28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	210.62	17.52
			<i>For Dynamic Damper, Add</i>	35.57	
			<i>For 3 Hour Rated, Add</i>	31.62	
23 33 13 19-0224	EA		28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	217.20	18.64
			<i>For Dynamic Damper, Add</i>	36.26	
			<i>For 3 Hour Rated, Add</i>	32.23	
23 33 13 19-0225	EA		28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.89	21.01
			<i>For Dynamic Damper, Add</i>	37.09	
			<i>For 3 Hour Rated, Add</i>	32.97	
23 33 13 19-0226	EA		28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.60	23.33
			<i>For Dynamic Damper, Add</i>	37.92	
			<i>For 3 Hour Rated, Add</i>	33.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0227 EA 28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	249.49 39.58 35.18	24.52
23 33 13 19-0228 EA 28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	262.64 40.97 36.41	26.83
23 33 13 19-0229 EA 32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	194.60 34.33 30.51	14.01
23 33 13 19-0230 EA 32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	199.31 34.60 30.75	15.13
23 33 13 19-0231 EA 32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	204.05 34.88 31.00	16.33
23 33 13 19-0232 EA 32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	210.00 35.43 31.49	17.52
23 33 13 19-0233 EA 32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	217.44 36.31 32.28	18.64
23 33 13 19-0234 EA 32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	227.89 37.09 32.97	21.01
23 33 13 19-0235 EA 32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	239.83 38.20 33.95	23.33
23 33 13 19-0236 EA 32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	251.76 39.31 34.94	25.64
23 33 13 19-0237 EA 32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	262.64 40.97 36.41	26.83
23 33 13 19-0238 EA 32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	276.86 42.91 38.14	28.72
23 33 13 19-0239 EA 32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	291.59 45.12 40.10	30.34
23 33 13 19-0240 EA 36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	203.89 35.63 31.67	15.13
23 33 13 19-0241 EA 36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	209.96 36.21 32.18	16.33
23 33 13 19-0242 EA 36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	216.03 36.79 32.70	17.52
23 33 13 19-0243 EA 36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	223.41 37.66 33.47	18.64
23 33 13 19-0244 EA 36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	232.36 38.09 33.86	21.01
23 33 13 19-0245 EA 36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	237.79 38.53 34.25	22.14
23 33 13 19-0246 EA 36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	254.74 39.98 35.54	25.64
23 33 13 19-0247 EA 36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	268.18 41.42 36.82	28.02
23 33 13 19-0248 EA 36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	278.72 43.17 38.37	28.94
23 33 13 19-0249 EA 36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	295.33 45.48 40.43	31.03
23 33 13 19-0250 EA 36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	309.25 47.51 42.23	32.65
23 33 13 19-0251 EA 36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	323.07 49.83 44.30	33.83
23 33 13 19-0252 EA 40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	235.54 41.96 37.30	17.52
23 33 13 19-0253 EA 40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	244.19 43.12 38.33	18.64
23 33 13 19-0254 EA 40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	248.99 43.41 38.59	19.83

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0255	EA		40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	253.78	21.01
			<i>For Dynamic Damper, Add</i>	43.70	
			<i>For 3 Hour Rated, Add</i>	38.85	
23 33 13 19-0256	EA		40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	265.30	22.14
			<i>For Dynamic Damper, Add</i>	44.72	
			<i>For 3 Hour Rated, Add</i>	39.75	
23 33 13 19-0257	EA		40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	273.32	23.33
			<i>For Dynamic Damper, Add</i>	45.73	
			<i>For 3 Hour Rated, Add</i>	40.65	
23 33 13 19-0258	EA		40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	288.98	26.83
			<i>For Dynamic Damper, Add</i>	46.89	
			<i>For 3 Hour Rated, Add</i>	41.68	
23 33 13 19-0259	EA		40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	301.15	29.15
			<i>For Dynamic Damper, Add</i>	48.05	
			<i>For 3 Hour Rated, Add</i>	42.71	
23 33 13 19-0260	EA		40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	314.48	31.03
			<i>For Dynamic Damper, Add</i>	49.79	
			<i>For 3 Hour Rated, Add</i>	44.26	
23 33 13 19-0261	EA		40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	333.55	32.65
			<i>For Dynamic Damper, Add</i>	52.98	
			<i>For 3 Hour Rated, Add</i>	47.09	
23 33 13 19-0262	EA		40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	346.87	34.54
			<i>For Dynamic Damper, Add</i>	54.72	
			<i>For 3 Hour Rated, Add</i>	48.64	
23 33 13 19-0263	EA		40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	363.86	35.45
			<i>For Dynamic Damper, Add</i>	57.91	
			<i>For 3 Hour Rated, Add</i>	51.47	
23 33 13 19-0264	EA		40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	382.36	37.34
			<i>For Dynamic Damper, Add</i>	60.81	
			<i>For 3 Hour Rated, Add</i>	54.05	
23 33 13 19-0265	EA		44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	241.62	17.52
			<i>For Dynamic Damper, Add</i>	42.54	
			<i>For 3 Hour Rated, Add</i>	37.82	
23 33 13 19-0266	EA		44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	250.28	18.64
			<i>For Dynamic Damper, Add</i>	43.70	
			<i>For 3 Hour Rated, Add</i>	38.85	
23 33 13 19-0267	EA		44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	257.66	19.83
			<i>For Dynamic Damper, Add</i>	44.57	
			<i>For 3 Hour Rated, Add</i>	39.62	
23 33 13 19-0268	EA		44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.45	21.01
			<i>For Dynamic Damper, Add</i>	44.87	
			<i>For 3 Hour Rated, Add</i>	39.88	
23 33 13 19-0269	EA		44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.10	22.14
			<i>For Dynamic Damper, Add</i>	46.02	
			<i>For 3 Hour Rated, Add</i>	40.91	
23 33 13 19-0270	EA		44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	279.76	23.33
			<i>For Dynamic Damper, Add</i>	47.18	
			<i>For 3 Hour Rated, Add</i>	41.94	
23 33 13 19-0271	EA		44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	300.22	28.02
			<i>For Dynamic Damper, Add</i>	48.63	
			<i>For 3 Hour Rated, Add</i>	43.23	
23 33 13 19-0272	EA		44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	313.65	30.34
			<i>For Dynamic Damper, Add</i>	50.08	
			<i>For 3 Hour Rated, Add</i>	44.52	
23 33 13 19-0273	EA		44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	333.55	32.65
			<i>For Dynamic Damper, Add</i>	52.98	
			<i>For 3 Hour Rated, Add</i>	47.09	
23 33 13 19-0274	EA		44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	352.15	35.03
			<i>For Dynamic Damper, Add</i>	55.59	
			<i>For 3 Hour Rated, Add</i>	49.41	
23 33 13 19-0275	EA		44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	372.04	37.34
			<i>For Dynamic Damper, Add</i>	58.49	
			<i>For 3 Hour Rated, Add</i>	51.99	
23 33 13 19-0276	EA		44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	387.13	38.46
			<i>For Dynamic Damper, Add</i>	61.10	
			<i>For 3 Hour Rated, Add</i>	54.31	
23 33 13 19-0277	EA		44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	402.24	39.65
			<i>For Dynamic Damper, Add</i>	63.71	
			<i>For 3 Hour Rated, Add</i>	56.63	
23 33 13 19-0278	EA		44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	417.34	40.84
			<i>For Dynamic Damper, Add</i>	66.32	
			<i>For 3 Hour Rated, Add</i>	58.95	
23 33 13 19-0279	EA		48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	248.99	18.64
			<i>For Dynamic Damper, Add</i>	43.41	
			<i>For 3 Hour Rated, Add</i>	38.59	
23 33 13 19-0280	EA		48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	257.66	19.83
			<i>For Dynamic Damper, Add</i>	44.57	
			<i>For 3 Hour Rated, Add</i>	39.62	
23 33 13 19-0281	EA		48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.45	21.01
			<i>For Dynamic Damper, Add</i>	44.87	
			<i>For 3 Hour Rated, Add</i>	39.88	
23 33 13 19-0282	EA		48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	273.32	23.33
			<i>For Dynamic Damper, Add</i>	45.73	
			<i>For 3 Hour Rated, Add</i>	40.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0283 EA 48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	285.47 46.89 41.68	25.64
23 33 13 19-0284 EA 48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	297.64 48.05 42.71	28.02
23 33 13 19-0285 EA 48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	312.37 49.79 44.26	30.34
23 33 13 19-0286 EA 48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	327.10 51.53 45.80	32.65
23 33 13 19-0287 EA 48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	345.70 54.14 48.12	35.03
23 33 13 19-0288 EA 48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	366.89 57.33 50.96	37.34
23 33 13 19-0289 EA 48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	381.99 59.94 53.28	38.46
23 33 13 19-0290 EA 48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	400.95 63.42 56.37	39.65
23 33 13 19-0291 EA 48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	419.56 66.03 58.69	41.97
23 33 13 19-0292 EA 48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	438.51 69.50 61.78	43.16
23 33 13 19-0293 EA 48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	459.34 71.82 63.84	46.66
23 33 13 19-0294 EA 52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	256.37 44.28 39.36	19.83
23 33 13 19-0295 EA 52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	265.02 45.44 40.39	21.01
23 33 13 19-0296 EA 52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	277.18 46.60 41.42	23.33
23 33 13 19-0297 EA 52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	285.47 46.89 41.68	25.64
23 33 13 19-0298 EA 52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	298.29 48.20 42.84	28.02
23 33 13 19-0299 EA 52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	311.08 49.50 44.00	30.34
23 33 13 19-0300 EA 52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	325.82 51.24 45.55	32.65
23 33 13 19-0301 EA 52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	340.55 52.98 47.09	35.03
23 33 13 19-0302 EA 52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	359.17 55.59 49.41	37.34
23 33 13 19-0303 EA 52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	381.62 59.07 52.50	39.65
23 33 13 19-0304 EA 52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	398.00 61.97 55.08	40.84
23 33 13 19-0305 EA 52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	418.27 65.74 58.43	41.97
23 33 13 19-0306 EA 52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	440.72 69.21 61.52	44.35
23 33 13 19-0307 EA 52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	459.34 71.82 63.84	46.66
23 33 13 19-0308 EA 52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	485.31 75.30 66.94	50.16
23 33 13 19-0309 EA 52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	505.20 78.20 69.51	52.47
23 33 13 19-0310 EA 56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	262.45 44.87 39.88	21.01

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0311	EA		56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	275.89	23.33
			<i>For Dynamic Damper, Add</i>	46.31	
			<i>For 3 Hour Rated, Add</i>	41.17	
23 33 13 19-0312	EA		56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	286.76	25.64
			<i>For Dynamic Damper, Add</i>	47.18	
			<i>For 3 Hour Rated, Add</i>	41.94	
23 33 13 19-0313	EA		56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	295.05	28.02
			<i>For Dynamic Damper, Add</i>	47.47	
			<i>For 3 Hour Rated, Add</i>	42.20	
23 33 13 19-0314	EA		56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	309.15	30.34
			<i>For Dynamic Damper, Add</i>	49.07	
			<i>For 3 Hour Rated, Add</i>	43.62	
23 33 13 19-0315	EA		56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	323.24	32.65
			<i>For Dynamic Damper, Add</i>	50.66	
			<i>For 3 Hour Rated, Add</i>	45.03	
23 33 13 19-0316	EA		56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	337.33	35.03
			<i>For Dynamic Damper, Add</i>	52.26	
			<i>For 3 Hour Rated, Add</i>	46.45	
23 33 13 19-0317	EA		56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	351.43	37.34
			<i>For Dynamic Damper, Add</i>	53.85	
			<i>For 3 Hour Rated, Add</i>	47.87	
23 33 13 19-0318	EA		56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	373.89	39.65
			<i>For Dynamic Damper, Add</i>	57.33	
			<i>For 3 Hour Rated, Add</i>	50.96	
23 33 13 19-0319	EA		56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	392.86	40.84
			<i>For Dynamic Damper, Add</i>	60.81	
			<i>For 3 Hour Rated, Add</i>	54.05	
23 33 13 19-0320	EA		56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	410.54	41.97
			<i>For Dynamic Damper, Add</i>	64.00	
			<i>For 3 Hour Rated, Add</i>	56.89	
23 33 13 19-0321	EA		56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	435.58	44.35
			<i>For Dynamic Damper, Add</i>	68.06	
			<i>For 3 Hour Rated, Add</i>	60.49	
23 33 13 19-0322	EA		56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	458.05	46.66
			<i>For Dynamic Damper, Add</i>	71.53	
			<i>For 3 Hour Rated, Add</i>	63.59	
23 33 13 19-0323	EA		56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	481.80	48.97
			<i>For Dynamic Damper, Add</i>	75.30	
			<i>For 3 Hour Rated, Add</i>	66.94	
23 33 13 19-0324	EA		56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	501.70	51.35
			<i>For Dynamic Damper, Add</i>	78.20	
			<i>For 3 Hour Rated, Add</i>	69.51	
23 33 13 19-0325	EA		56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	525.45	53.66
			<i>For Dynamic Damper, Add</i>	81.97	
			<i>For 3 Hour Rated, Add</i>	72.86	
23 33 13 19-0326	EA		56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	549.21	55.98
			<i>For Dynamic Damper, Add</i>	85.74	
			<i>For 3 Hour Rated, Add</i>	76.21	
23 33 13 19-0327	EA		60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	273.32	23.33
			<i>For Dynamic Damper, Add</i>	45.73	
			<i>For 3 Hour Rated, Add</i>	40.65	
23 33 13 19-0328	EA		60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	286.76	25.64
			<i>For Dynamic Damper, Add</i>	47.18	
			<i>For 3 Hour Rated, Add</i>	41.94	
23 33 13 19-0329	EA		60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	296.34	28.02
			<i>For Dynamic Damper, Add</i>	47.76	
			<i>For 3 Hour Rated, Add</i>	42.45	
23 33 13 19-0330	EA		60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	304.64	30.34
			<i>For Dynamic Damper, Add</i>	48.05	
			<i>For 3 Hour Rated, Add</i>	42.71	
23 33 13 19-0331	EA		60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	319.38	32.65
			<i>For Dynamic Damper, Add</i>	49.79	
			<i>For 3 Hour Rated, Add</i>	44.26	
23 33 13 19-0332	EA		60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	334.10	35.03
			<i>For Dynamic Damper, Add</i>	51.53	
			<i>For 3 Hour Rated, Add</i>	45.80	
23 33 13 19-0333	EA		60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	349.50	37.34
			<i>For Dynamic Damper, Add</i>	53.42	
			<i>For 3 Hour Rated, Add</i>	47.48	
23 33 13 19-0334	EA		60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	364.87	39.65
			<i>For Dynamic Damper, Add</i>	55.30	
			<i>For 3 Hour Rated, Add</i>	49.15	
23 33 13 19-0335	EA		60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	385.12	40.84
			<i>For Dynamic Damper, Add</i>	59.07	
			<i>For 3 Hour Rated, Add</i>	52.50	
23 33 13 19-0336	EA		60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	404.09	41.97
			<i>For Dynamic Damper, Add</i>	62.55	
			<i>For 3 Hour Rated, Add</i>	55.60	
23 33 13 19-0337	EA		60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	427.85	44.35
			<i>For Dynamic Damper, Add</i>	66.32	
			<i>For 3 Hour Rated, Add</i>	58.95	
23 33 13 19-0338	EA		60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	451.61	46.66
			<i>For Dynamic Damper, Add</i>	70.09	
			<i>For 3 Hour Rated, Add</i>	62.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0339 EA 60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	471.49 72.98 64.87	48.97
23 33 13 19-0340 EA 60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	499.11 77.62 69.00	51.35
23 33 13 19-0341 EA 60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	524.15 81.68 72.60	53.66
23 33 13 19-0342 EA 60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	549.21 85.74 76.21	55.98
23 33 13 19-0343 EA 60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	571.66 89.21 79.30	58.36
23 33 13 19-0344 EA 60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	594.15 92.70 82.40	60.67

23 33 13 23 Backdraft Dampers (23 33 13)

23 33 13 23-0001 Horizontally Mounted Backdraft Damper (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002 EA 6" x 6" Horizontally Mounted Backdraft Damper	45.78	7.78
23 33 13 23-0003 EA 8" x 6" Horizontally Mounted Backdraft Damper	54.30	8.12
23 33 13 23-0004 EA 8" x 8" Horizontally Mounted Backdraft Damper	64.42	8.19
23 33 13 23-0005 EA 10" x 6" Horizontally Mounted Backdraft Damper	61.93	8.19
23 33 13 23-0006 EA 10" x 8" Horizontally Mounted Backdraft Damper	59.66	8.41
23 33 13 23-0007 EA 10" x 10" Horizontally Mounted Backdraft Damper	71.07	9.31
23 33 13 23-0008 EA 12" x 6" Horizontally Mounted Backdraft Damper	56.22	8.41
23 33 13 23-0009 EA 12" x 8" Horizontally Mounted Backdraft Damper	69.35	9.31
23 33 13 23-0010 EA 12" x 10" Horizontally Mounted Backdraft Damper	67.04	9.81
23 33 13 23-0011 EA 12" x 12" Horizontally Mounted Backdraft Damper	76.68	10.51
23 33 13 23-0012 EA 14" x 6" Horizontally Mounted Backdraft Damper	62.78	8.90
23 33 13 23-0013 EA 14" x 8" Horizontally Mounted Backdraft Damper	64.53	9.81
23 33 13 23-0014 EA 14" x 10" Horizontally Mounted Backdraft Damper	75.43	10.51
23 33 13 23-0015 EA 14" x 12" Horizontally Mounted Backdraft Damper	68.80	11.70
23 33 13 23-0016 EA 14" x 14" Horizontally Mounted Backdraft Damper	77.93	12.82
23 33 13 23-0017 EA 16" x 6" Horizontally Mounted Backdraft Damper	69.35	9.31
23 33 13 23-0018 EA 16" x 8" Horizontally Mounted Backdraft Damper	71.66	10.51
23 33 13 23-0019 EA 16" x 10" Horizontally Mounted Backdraft Damper	67.19	11.70
23 33 13 23-0020 EA 16" x 12" Horizontally Mounted Backdraft Damper	73.62	11.70
23 33 13 23-0021 EA 16" x 14" Horizontally Mounted Backdraft Damper	83.55	12.82
23 33 13 23-0022 EA 16" x 16" Horizontally Mounted Backdraft Damper	93.49	14.01
23 33 13 23-0023 EA 18" x 6" Horizontally Mounted Backdraft Damper	63.28	9.81
23 33 13 23-0024 EA 18" x 8" Horizontally Mounted Backdraft Damper	60.47	10.51
23 33 13 23-0025 EA 18" x 10" Horizontally Mounted Backdraft Damper	71.20	11.70
23 33 13 23-0026 EA 18" x 12" Horizontally Mounted Backdraft Damper	81.94	12.82
23 33 13 23-0027 EA 18" x 14" Horizontally Mounted Backdraft Damper	92.68	14.01
23 33 13 23-0028 EA 18" x 16" Horizontally Mounted Backdraft Damper	105.27	15.13
23 33 13 23-0029 EA 18" x 18" Horizontally Mounted Backdraft Damper	119.74	17.52
23 33 13 23-0030 EA 18" x 20" Horizontally Mounted Backdraft Damper	101.34	18.64
23 33 13 23-0031 EA 18" x 24" Horizontally Mounted Backdraft Damper	117.39	21.01
23 33 13 23-0032 EA 20" x 6" Horizontally Mounted Backdraft Damper	69.15	10.51
23 33 13 23-0033 EA 20" x 8" Horizontally Mounted Backdraft Damper	67.19	11.70
23 33 13 23-0034 EA 20" x 10" Horizontally Mounted Backdraft Damper	78.72	12.82
23 33 13 23-0035 EA 20" x 12" Horizontally Mounted Backdraft Damper	90.28	14.01
23 33 13 23-0036 EA 20" x 14" Horizontally Mounted Backdraft Damper	103.62	15.13
23 33 13 23-0037 EA 20" x 16" Horizontally Mounted Backdraft Damper	115.41	16.33
23 33 13 23-0038 EA 20" x 18" Horizontally Mounted Backdraft Damper	101.34	18.64
23 33 13 23-0039 EA 20" x 20" Horizontally Mounted Backdraft Damper	106.37	18.64
23 33 13 23-0040 EA 20" x 24" Horizontally Mounted Backdraft Damper	123.43	21.01
23 33 13 23-0041 EA 20" x 28" Horizontally Mounted Backdraft Damper	140.49	23.33
23 33 13 23-0042 EA 20" x 32" Horizontally Mounted Backdraft Damper	134.56	25.64
23 33 13 23-0043 EA 20" x 36" Horizontally Mounted Backdraft Damper	148.75	28.02
23 33 13 23-0044 EA 24" x 6" Horizontally Mounted Backdraft Damper	63.97	11.70
23 33 13 23-0045 EA 24" x 8" Horizontally Mounted Backdraft Damper	77.12	12.82
23 33 13 23-0046 EA 24" x 10" Horizontally Mounted Backdraft Damper	90.28	14.01
23 33 13 23-0047 EA 24" x 12" Horizontally Mounted Backdraft Damper	105.27	15.13
23 33 13 23-0048 EA 24" x 14" Horizontally Mounted Backdraft Damper	94.80	17.52
23 33 13 23-0049 EA 24" x 16" Horizontally Mounted Backdraft Damper	104.35	18.64
23 33 13 23-0050 EA 24" x 18" Horizontally Mounted Backdraft Damper	117.39	21.01
23 33 13 23-0051 EA 24" x 20" Horizontally Mounted Backdraft Damper	123.43	21.01
23 33 13 23-0052 EA 24" x 24" Horizontally Mounted Backdraft Damper	142.51	23.33
23 33 13 23-0053 EA 24" x 28" Horizontally Mounted Backdraft Damper	137.42	25.64
23 33 13 23-0054 EA 24" x 32" Horizontally Mounted Backdraft Damper	153.07	28.02
23 33 13 23-0055 EA 24" x 36" Horizontally Mounted Backdraft Damper	168.69	30.34
23 33 13 23-0056 EA 24" x 40" Horizontally Mounted Backdraft Damper	167.08	32.65
23 33 13 23-0057 EA 24" x 44" Horizontally Mounted Backdraft Damper	180.97	35.03
23 33 13 23-0058 EA 24" x 48" Horizontally Mounted Backdraft Damper	187.87	35.03
23 33 13 23-0059 EA 28" x 6" Horizontally Mounted Backdraft Damper	68.80	11.70

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0060	EA		28" x 8" Horizontally Mounted Backdraft Damper	83.55	12.82
23 33 13 23-0061	EA		28" x 10" Horizontally Mounted Backdraft Damper	103.62	15.13
23 33 13 23-0062	EA		28" x 12" Horizontally Mounted Backdraft Damper	94.80	17.52
23 33 13 23-0063	EA		28" x 14" Horizontally Mounted Backdraft Damper	105.36	18.64
23 33 13 23-0064	EA		28" x 16" Horizontally Mounted Backdraft Damper	119.40	21.01
23 33 13 23-0065	EA		28" x 18" Horizontally Mounted Backdraft Damper	133.46	23.33
23 33 13 23-0066	EA		28" x 20" Horizontally Mounted Backdraft Damper	140.49	23.33
23 33 13 23-0067	EA		28" x 24" Horizontally Mounted Backdraft Damper	137.42	25.64
23 33 13 23-0068	EA		28" x 28" Horizontally Mounted Backdraft Damper	154.50	28.02
23 33 13 23-0069	EA		28" x 32" Horizontally Mounted Backdraft Damper	171.56	30.34
23 33 13 23-0070	EA		28" x 36" Horizontally Mounted Backdraft Damper	177.52	35.03
23 33 13 23-0071	EA		28" x 40" Horizontally Mounted Backdraft Damper	185.57	35.03
23 33 13 23-0072	EA		28" x 44" Horizontally Mounted Backdraft Damper	200.64	37.34
23 33 13 23-0073	EA		28" x 48" Horizontally Mounted Backdraft Damper	215.69	39.65
23 33 13 23-0074	EA		28" x 52" Horizontally Mounted Backdraft Damper	223.74	39.65
23 33 13 23-0075	EA		28" x 56" Horizontally Mounted Backdraft Damper	224.72	41.97
23 33 13 23-0076	EA		28" x 60" Horizontally Mounted Backdraft Damper	231.75	41.97
23 33 13 23-0077	EA		32" x 6" Horizontally Mounted Backdraft Damper	77.12	12.82
23 33 13 23-0078	EA		32" x 8" Horizontally Mounted Backdraft Damper	98.64	15.13
23 33 13 23-0079	EA		32" x 10" Horizontally Mounted Backdraft Damper	115.41	16.33
23 33 13 23-0080	EA		32" x 12" Horizontally Mounted Backdraft Damper	104.35	18.64
23 33 13 23-0081	EA		32" x 14" Horizontally Mounted Backdraft Damper	119.40	21.01
23 33 13 23-0082	EA		32" x 16" Horizontally Mounted Backdraft Damper	134.46	23.33
23 33 13 23-0083	EA		32" x 18" Horizontally Mounted Backdraft Damper	121.80	23.33
23 33 13 23-0084	EA		32" x 20" Horizontally Mounted Backdraft Damper	134.56	25.64
23 33 13 23-0085	EA		32" x 24" Horizontally Mounted Backdraft Damper	153.07	28.02
23 33 13 23-0086	EA		32" x 28" Horizontally Mounted Backdraft Damper	171.56	30.34
23 33 13 23-0087	EA		32" x 32" Horizontally Mounted Backdraft Damper	178.67	35.03
23 33 13 23-0088	EA		32" x 36" Horizontally Mounted Backdraft Damper	187.87	35.03
23 33 13 23-0089	EA		32" x 40" Horizontally Mounted Backdraft Damper	204.09	37.34
23 33 13 23-0090	EA		32" x 44" Horizontally Mounted Backdraft Damper	220.29	39.65
23 33 13 23-0091	EA		32" x 48" Horizontally Mounted Backdraft Damper	222.70	41.97
23 33 13 23-0092	EA		32" x 52" Horizontally Mounted Backdraft Damper	230.75	41.97
23 33 13 23-0093	EA		32" x 56" Horizontally Mounted Backdraft Damper	245.80	44.35
23 33 13 23-0094	EA		32" x 60" Horizontally Mounted Backdraft Damper	253.85	44.35
23 33 13 23-0095	EA		32" x 64" Horizontally Mounted Backdraft Damper	250.51	46.66
23 33 13 23-0096	EA		32" x 68" Horizontally Mounted Backdraft Damper	257.40	46.66
23 33 13 23-0097	EA		32" x 72" Horizontally Mounted Backdraft Damper	271.30	48.97
23 33 13 23-0098	EA		36" x 6" Horizontally Mounted Backdraft Damper	81.94	12.82
23 33 13 23-0099	EA		36" x 8" Horizontally Mounted Backdraft Damper	108.77	16.33
23 33 13 23-0100	EA		36" x 10" Horizontally Mounted Backdraft Damper	101.34	18.64
23 33 13 23-0101	EA		36" x 12" Horizontally Mounted Backdraft Damper	117.39	21.01
23 33 13 23-0102	EA		36" x 14" Horizontally Mounted Backdraft Damper	133.46	23.33
23 33 13 23-0103	EA		36" x 16" Horizontally Mounted Backdraft Damper	121.80	23.33
23 33 13 23-0104	EA		36" x 18" Horizontally Mounted Backdraft Damper	135.27	25.64
23 33 13 23-0105	EA		36" x 20" Horizontally Mounted Backdraft Damper	148.75	28.02
23 33 13 23-0106	EA		36" x 24" Horizontally Mounted Backdraft Damper	168.69	30.34
23 33 13 23-0107	EA		36" x 28" Horizontally Mounted Backdraft Damper	177.52	35.03
23 33 13 23-0108	EA		36" x 32" Horizontally Mounted Backdraft Damper	187.87	35.03
23 33 13 23-0109	EA		36" x 36" Horizontally Mounted Backdraft Damper	205.24	37.34
23 33 13 23-0110	EA		36" x 40" Horizontally Mounted Backdraft Damper	222.59	39.65
23 33 13 23-0111	EA		36" x 44" Horizontally Mounted Backdraft Damper	225.71	41.97
23 33 13 23-0112	EA		36" x 48" Horizontally Mounted Backdraft Damper	241.77	44.35
23 33 13 23-0113	EA		36" x 52" Horizontally Mounted Backdraft Damper	250.83	44.35
23 33 13 23-0114	EA		36" x 56" Horizontally Mounted Backdraft Damper	248.78	46.66
23 33 13 23-0115	EA		36" x 60" Horizontally Mounted Backdraft Damper	256.54	46.66
23 33 13 23-0116	EA		36" x 64" Horizontally Mounted Backdraft Damper	271.30	48.97
23 33 13 23-0117	EA		36" x 68" Horizontally Mounted Backdraft Damper	279.06	48.97
23 33 13 23-0118	EA		36" x 72" Horizontally Mounted Backdraft Damper	286.83	48.97
23 33 13 23-0119	EA		40" x 6" Horizontally Mounted Backdraft Damper	90.28	14.01
23 33 13 23-0120	EA		40" x 8" Horizontally Mounted Backdraft Damper	118.91	17.52
23 33 13 23-0121	EA		40" x 10" Horizontally Mounted Backdraft Damper	106.37	18.64
23 33 13 23-0122	EA		40" x 12" Horizontally Mounted Backdraft Damper	123.43	21.01
23 33 13 23-0123	EA		40" x 14" Horizontally Mounted Backdraft Damper	140.49	23.33
23 33 13 23-0124	EA		40" x 16" Horizontally Mounted Backdraft Damper	134.56	25.64
23 33 13 23-0125	EA		40" x 18" Horizontally Mounted Backdraft Damper	148.75	28.02
23 33 13 23-0126	EA		40" x 20" Horizontally Mounted Backdraft Damper	162.93	30.34
23 33 13 23-0127	EA		40" x 24" Horizontally Mounted Backdraft Damper	167.08	32.65
23 33 13 23-0128	EA		40" x 28" Horizontally Mounted Backdraft Damper	185.57	35.03
23 33 13 23-0129	EA		40" x 32" Horizontally Mounted Backdraft Damper	204.09	37.34
23 33 13 23-0130	EA		40" x 36" Horizontally Mounted Backdraft Damper	222.59	39.65
23 33 13 23-0131	EA		40" x 40" Horizontally Mounted Backdraft Damper	226.72	41.97
23 33 13 23-0132	EA		40" x 44" Horizontally Mounted Backdraft Damper	243.78	44.35
23 33 13 23-0133	EA		40" x 48" Horizontally Mounted Backdraft Damper	253.85	44.35
23 33 13 23-0134	EA		40" x 50" Horizontally Mounted Backdraft Damper	247.92	46.66
23 33 13 23-0135	EA		44" x 6" Horizontally Mounted Backdraft Damper	100.30	15.13
23 33 13 23-0136	EA		44" x 8" Horizontally Mounted Backdraft Damper	100.33	18.64
23 33 13 23-0137	EA		44" x 10" Horizontally Mounted Backdraft Damper	118.40	21.01
23 33 13 23-0138	EA		44" x 12" Horizontally Mounted Backdraft Damper	136.47	23.33
23 33 13 23-0139	EA		44" x 14" Horizontally Mounted Backdraft Damper	132.40	25.64
23 33 13 23-0140	EA		44" x 16" Horizontally Mounted Backdraft Damper	147.31	28.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0141 EA 44" x 18" Horizontally Mounted Backdraft Damper	155.22	28.02
23 33 13 23-0142 EA 44" x 20" Horizontally Mounted Backdraft Damper	170.12	30.34
23 33 13 23-0143 EA 44" x 24" Horizontally Mounted Backdraft Damper	180.97	35.03
23 33 13 23-0144 EA 44" x 28" Horizontally Mounted Backdraft Damper	200.64	37.34
23 33 13 23-0145 EA 44" x 32" Horizontally Mounted Backdraft Damper	220.29	39.65
23 33 13 23-0146 EA 44" x 36" Horizontally Mounted Backdraft Damper	225.71	41.97
23 33 13 23-0147 EA 44" x 40" Horizontally Mounted Backdraft Damper	243.78	44.35
23 33 13 23-0148 EA 44" x 44" Horizontally Mounted Backdraft Damper	254.85	44.35
23 33 13 23-0149 EA 44" x 48" Horizontally Mounted Backdraft Damper	253.96	46.66
23 33 13 23-0150 EA 44" x 50" Horizontally Mounted Backdraft Damper	258.70	46.66
23 33 13 23-0151 EA 48" x 6" Horizontally Mounted Backdraft Damper	108.77	16.33
23 33 13 23-0152 EA 48" x 8" Horizontally Mounted Backdraft Damper	104.35	18.64
23 33 13 23-0153 EA 48" x 10" Horizontally Mounted Backdraft Damper	123.43	21.01
23 33 13 23-0154 EA 48" x 12" Horizontally Mounted Backdraft Damper	121.80	23.33
23 33 13 23-0155 EA 48" x 14" Horizontally Mounted Backdraft Damper	137.42	25.64
23 33 13 23-0156 EA 48" x 16" Horizontally Mounted Backdraft Damper	153.07	28.02
23 33 13 23-0157 EA 48" x 18" Horizontally Mounted Backdraft Damper	168.69	30.34
23 33 13 23-0158 EA 48" x 20" Horizontally Mounted Backdraft Damper	167.08	32.65
23 33 13 23-0159 EA 48" x 24" Horizontally Mounted Backdraft Damper	187.87	35.03
23 33 13 23-0160 EA 48" x 28" Horizontally Mounted Backdraft Damper	215.69	39.65
23 33 13 23-0161 EA 48" x 32" Horizontally Mounted Backdraft Damper	222.70	41.97
23 33 13 23-0162 EA 48" x 36" Horizontally Mounted Backdraft Damper	241.77	44.35
23 33 13 23-0163 EA 48" x 40" Horizontally Mounted Backdraft Damper	253.85	44.35
23 33 13 23-0164 EA 48" x 44" Horizontally Mounted Backdraft Damper	253.96	46.66
23 33 13 23-0165 EA 48" x 48" Horizontally Mounted Backdraft Damper	271.30	48.97
23 33 13 23-0166 EA 48" x 50" Horizontally Mounted Backdraft Damper	276.48	48.97
23 33 13 23-0167 EA 50" x 6" Horizontally Mounted Backdraft Damper	111.26	16.33
23 33 13 23-0168 EA 50" x 8" Horizontally Mounted Backdraft Damper	113.37	21.01
23 33 13 23-0169 EA 50" x 10" Horizontally Mounted Backdraft Damper	132.96	23.33
23 33 13 23-0170 EA 50" x 12" Horizontally Mounted Backdraft Damper	130.96	25.64
23 33 13 23-0171 EA 50" x 14" Horizontally Mounted Backdraft Damper	146.95	28.02
23 33 13 23-0172 EA 50" x 16" Horizontally Mounted Backdraft Damper	162.93	30.34
23 33 13 23-0173 EA 50" x 18" Horizontally Mounted Backdraft Damper	178.93	32.65
23 33 13 23-0174 EA 50" x 20" Horizontally Mounted Backdraft Damper	176.94	35.03
23 33 13 23-0175 EA 50" x 24" Horizontally Mounted Backdraft Damper	198.34	37.34
23 33 13 23-0176 EA 50" x 28" Horizontally Mounted Backdraft Damper	219.71	39.65
23 33 13 23-0177 EA 50" x 32" Horizontally Mounted Backdraft Damper	226.72	41.97
23 33 13 23-0178 EA 50" x 36" Horizontally Mounted Backdraft Damper	246.30	44.35
23 33 13 23-0179 EA 50" x 40" Horizontally Mounted Backdraft Damper	247.92	46.66
23 33 13 23-0180 EA 50" x 44" Horizontally Mounted Backdraft Damper	258.70	46.66
23 33 13 23-0181 EA 50" x 48" Horizontally Mounted Backdraft Damper	276.48	48.97
23 33 13 23-0182 EA 50" x 50" Horizontally Mounted Backdraft Damper	281.87	48.97

23 33 13 23-0183

Vertically Mounted Backdraft Damper (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Excludes motor pack.

23 33 13 23-0184 EA 6" x 6" Vertically Mounted Backdraft Damper	49.18	7.78
23 33 13 23-0185 EA 8" x 6" Vertically Mounted Backdraft Damper	58.85	8.12
23 33 13 23-0186 EA 10" x 6" Vertically Mounted Backdraft Damper	60.43	8.19
23 33 13 23-0187 EA 8" x 8" Vertically Mounted Backdraft Damper	62.82	8.19
23 33 13 23-0188 EA 12" x 6" Vertically Mounted Backdraft Damper	68.31	8.41
23 33 13 23-0189 EA 10" x 8" Vertically Mounted Backdraft Damper	75.90	9.31
23 33 13 23-0190 EA 14" x 6" Vertically Mounted Backdraft Damper	75.49	8.41
23 33 13 23-0191 EA 12" x 8" Vertically Mounted Backdraft Damper	85.48	9.31
23 33 13 23-0192 EA 16" x 6" Vertically Mounted Backdraft Damper	86.88	9.81
23 33 13 23-0193 EA 10" x 10" Vertically Mounted Backdraft Damper	91.38	10.51
23 33 13 23-0194 EA 18" x 6" Vertically Mounted Backdraft Damper	73.87	8.90
23 33 13 23-0195 EA 14" x 8" Vertically Mounted Backdraft Damper	78.42	9.81
23 33 13 23-0196 EA 12" x 10" Vertically Mounted Backdraft Damper	84.03	10.51
23 33 13 23-0197 EA 20" x 6" Vertically Mounted Backdraft Damper	87.53	11.70
23 33 13 23-0198 EA 16" x 8" Vertically Mounted Backdraft Damper	94.53	12.82
23 33 13 23-0199 EA 14" x 10" Vertically Mounted Backdraft Damper	89.27	9.31
23 33 13 23-0200 EA 12" x 12" Vertically Mounted Backdraft Damper	94.53	10.51
23 33 13 23-0201 EA 18" x 8" Vertically Mounted Backdraft Damper	85.18	11.70
23 33 13 23-0202 EA 24" x 6" Vertically Mounted Backdraft Damper	85.18	11.70
23 33 13 23-0203 EA 16" x 10" Vertically Mounted Backdraft Damper	94.24	12.82
23 33 13 23-0204 EA 20" x 8" Vertically Mounted Backdraft Damper	97.75	14.01
23 33 13 23-0205 EA 14" x 12" Vertically Mounted Backdraft Damper	87.92	9.81
23 33 13 23-0206 EA 28" x 6" Vertically Mounted Backdraft Damper	90.03	10.51
23 33 13 23-0207 EA 18" x 10" Vertically Mounted Backdraft Damper	97.70	11.70
23 33 13 23-0208 EA 16" x 12" Vertically Mounted Backdraft Damper	105.38	12.82
23 33 13 23-0209 EA 24" x 8" Vertically Mounted Backdraft Damper	108.89	14.01
23 33 13 23-0210 EA 32" x 6" Vertically Mounted Backdraft Damper	112.39	15.13
23 33 13 23-0211 EA 14" x 14" Vertically Mounted Backdraft Damper	120.79	17.52
23 33 13 23-0212 EA 20" x 10" Vertically Mounted Backdraft Damper	120.86	18.64
23 33 13 23-0213 EA 18" x 12" Vertically Mounted Backdraft Damper	133.04	21.01
23 33 13 23-0214 EA 36" x 6" Vertically Mounted Backdraft Damper	101.52	10.51
23 33 13 23-0215 EA 16" x 14" Vertically Mounted Backdraft Damper	107.62	11.70
23 33 13 23-0216 EA 28" x 8" Vertically Mounted Backdraft Damper	111.12	12.82
23 33 13 23-0217 EA 20" x 12" Vertically Mounted Backdraft Damper	119.80	14.01
23 33 13 23-0218 EA 24" x 10" Vertically Mounted Backdraft Damper	123.30	15.13

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0219 EA 40" x 6" Vertically Mounted Backdraft Damper	126.80	16.33
23 33 13 23-0220 EA 18" x 14" Vertically Mounted Backdraft Damper	137.71	18.64
23 33 13 23-0221 EA 16" x 16" Vertically Mounted Backdraft Damper	139.00	18.64
23 33 13 23-0222 EA 32" x 8" Vertically Mounted Backdraft Damper	146.00	21.01
23 33 13 23-0223 EA 44" x 6" Vertically Mounted Backdraft Damper	155.60	23.33
23 33 13 23-0224 EA 20" x 14" Vertically Mounted Backdraft Damper	167.79	25.64
23 33 13 23-0225 EA 28" x 10" Vertically Mounted Backdraft Damper	174.80	28.02
23 33 13 23-0226 EA 18" x 16" Vertically Mounted Backdraft Damper	128.35	11.70
23 33 13 23-0227 EA 24" x 12" Vertically Mounted Backdraft Damper	131.85	12.82
23 33 13 23-0228 EA 36" x 8" Vertically Mounted Backdraft Damper	135.36	14.01
23 33 13 23-0229 EA 48" x 6" Vertically Mounted Backdraft Damper	138.86	15.13
23 33 13 23-0230 EA 50" x 6" Vertically Mounted Backdraft Damper	149.75	17.52
23 33 13 23-0231 EA 20" x 16" Vertically Mounted Backdraft Damper	159.74	18.64
23 33 13 23-0232 EA 32" x 10" Vertically Mounted Backdraft Damper	166.74	21.01
23 33 13 23-0233 EA 40" x 8" Vertically Mounted Backdraft Damper	166.74	21.01
23 33 13 23-0234 EA 18" x 18" Vertically Mounted Backdraft Damper	153.01	23.33
23 33 13 23-0235 EA 24" x 14" Vertically Mounted Backdraft Damper	148.49	25.64
23 33 13 23-0236 EA 28" x 12" Vertically Mounted Backdraft Damper	155.50	28.02
23 33 13 23-0237 EA 44" x 8" Vertically Mounted Backdraft Damper	165.90	30.34
23 33 13 23-0238 EA 18" x 20" Vertically Mounted Backdraft Damper	174.61	32.65
23 33 13 23-0239 EA 20" x 18" Vertically Mounted Backdraft Damper	181.61	35.03
23 33 13 23-0240 EA 36" x 10" Vertically Mounted Backdraft Damper	181.61	35.03
23 33 13 23-0241 EA 24" x 16" Vertically Mounted Backdraft Damper	116.67	11.70
23 33 13 23-0242 EA 32" x 12" Vertically Mounted Backdraft Damper	120.17	12.82
23 33 13 23-0243 EA 48" x 8" Vertically Mounted Backdraft Damper	127.18	15.13
23 33 13 23-0244 EA 28" x 14" Vertically Mounted Backdraft Damper	135.88	17.52
23 33 13 23-0245 EA 20" x 20" Vertically Mounted Backdraft Damper	141.09	18.64
23 33 13 23-0246 EA 40" x 10" Vertically Mounted Backdraft Damper	148.09	21.01
23 33 13 23-0247 EA 50" x 8" Vertically Mounted Backdraft Damper	155.10	23.33
23 33 13 23-0248 EA 18" x 24" Vertically Mounted Backdraft Damper	161.90	23.33
23 33 13 23-0249 EA 24" x 18" Vertically Mounted Backdraft Damper	168.90	25.64
23 33 13 23-0250 EA 36" x 12" Vertically Mounted Backdraft Damper	175.91	28.02
23 33 13 23-0251 EA 44" x 10" Vertically Mounted Backdraft Damper	184.61	30.34
23 33 13 23-0252 EA 28" x 16" Vertically Mounted Backdraft Damper	200.33	35.03
23 33 13 23-0253 EA 32" x 14" Vertically Mounted Backdraft Damper	200.33	35.03
23 33 13 23-0254 EA 20" x 24" Vertically Mounted Backdraft Damper	215.00	37.34
23 33 13 23-0255 EA 24" x 20" Vertically Mounted Backdraft Damper	206.33	39.65
23 33 13 23-0256 EA 40" x 12" Vertically Mounted Backdraft Damper	206.33	39.65
23 33 13 23-0257 EA 48" x 10" Vertically Mounted Backdraft Damper	213.34	41.97
23 33 13 23-0258 EA 50" x 10" Vertically Mounted Backdraft Damper	216.98	41.97
23 33 13 23-0259 EA 28" x 18" Vertically Mounted Backdraft Damper	130.12	12.82
23 33 13 23-0260 EA 36" x 14" Vertically Mounted Backdraft Damper	137.13	15.13
23 33 13 23-0261 EA 32" x 16" Vertically Mounted Backdraft Damper	142.09	16.33
23 33 13 23-0262 EA 44" x 12" Vertically Mounted Backdraft Damper	152.00	18.64
23 33 13 23-0263 EA 20" x 28" Vertically Mounted Backdraft Damper	164.82	21.01
23 33 13 23-0264 EA 28" x 20" Vertically Mounted Backdraft Damper	171.83	23.33
23 33 13 23-0265 EA 40" x 14" Vertically Mounted Backdraft Damper	171.83	23.33
23 33 13 23-0266 EA 24" x 24" Vertically Mounted Backdraft Damper	181.73	25.64
23 33 13 23-0267 EA 32" x 18" Vertically Mounted Backdraft Damper	188.74	28.02
23 33 13 23-0268 EA 36" x 16" Vertically Mounted Backdraft Damper	195.74	30.34
23 33 13 23-0269 EA 48" x 12" Vertically Mounted Backdraft Damper	209.75	35.03
23 33 13 23-0270 EA 50" x 12" Vertically Mounted Backdraft Damper	214.12	35.03
23 33 13 23-0271 EA 44" x 14" Vertically Mounted Backdraft Damper	224.05	37.34
23 33 13 23-0272 EA 20" x 32" Vertically Mounted Backdraft Damper	235.41	39.65
23 33 13 23-0273 EA 32" x 20" Vertically Mounted Backdraft Damper	242.42	41.97
23 33 13 23-0274 EA 40" x 16" Vertically Mounted Backdraft Damper	242.42	41.97
23 33 13 23-0275 EA 36" x 18" Vertically Mounted Backdraft Damper	250.87	44.35
23 33 13 23-0276 EA 24" x 28" Vertically Mounted Backdraft Damper	255.96	44.35
23 33 13 23-0277 EA 28" x 24" Vertically Mounted Backdraft Damper	252.44	46.66
23 33 13 23-0278 EA 48" x 14" Vertically Mounted Backdraft Damper	252.44	46.66
23 33 13 23-0279 EA 50" x 14" Vertically Mounted Backdraft Damper	264.12	48.97
23 33 13 23-0280 EA 44" x 16" Vertically Mounted Backdraft Damper	156.19	12.82
23 33 13 23-0281 EA 20" x 36" Vertically Mounted Backdraft Damper	169.38	16.33
23 33 13 23-0282 EA 36" x 20" Vertically Mounted Backdraft Damper	176.39	18.64
23 33 13 23-0283 EA 40" x 18" Vertically Mounted Backdraft Damper	183.39	21.01
23 33 13 23-0284 EA 24" x 32" Vertically Mounted Backdraft Damper	198.42	23.33
23 33 13 23-0285 EA 32" x 24" Vertically Mounted Backdraft Damper	198.42	23.33
23 33 13 23-0286 EA 48" x 16" Vertically Mounted Backdraft Damper	205.42	25.64
23 33 13 23-0287 EA 28" x 28" Vertically Mounted Backdraft Damper	215.11	28.02
23 33 13 23-0288 EA 44" x 18" Vertically Mounted Backdraft Damper	223.44	30.34
23 33 13 23-0289 EA 40" x 20" Vertically Mounted Backdraft Damper	238.79	35.03
23 33 13 23-0290 EA 50" x 16" Vertically Mounted Backdraft Damper	238.79	35.03
23 33 13 23-0291 EA 24" x 36" Vertically Mounted Backdraft Damper	256.51	37.34
23 33 13 23-0292 EA 36" x 24" Vertically Mounted Backdraft Damper	263.51	39.65
23 33 13 23-0293 EA 48" x 18" Vertically Mounted Backdraft Damper	270.52	41.97
23 33 13 23-0294 EA 44" x 20" Vertically Mounted Backdraft Damper	280.19	44.35
23 33 13 23-0295 EA 28" x 32" Vertically Mounted Backdraft Damper	282.87	44.35
23 33 13 23-0296 EA 32" x 28" Vertically Mounted Backdraft Damper	289.88	46.66
23 33 13 23-0297 EA 50" x 18" Vertically Mounted Backdraft Damper	290.54	46.66
23 33 13 23-0298 EA 24" x 40" Vertically Mounted Backdraft Damper	307.57	48.97
23 33 13 23-0299 EA 40" x 24" Vertically Mounted Backdraft Damper	307.57	48.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0300 EA 48" x 20" Vertically Mounted Backdraft Damper	307.57	48.97
23 33 13 23-0301 EA 50" x 20" Vertically Mounted Backdraft Damper	209.18	14.01
23 33 13 23-0302 EA 28" x 36" Vertically Mounted Backdraft Damper	221.01	17.52
23 33 13 23-0303 EA 36" x 28" Vertically Mounted Backdraft Damper	224.52	18.64
23 33 13 23-0304 EA 32" x 32" Vertically Mounted Backdraft Damper	234.20	21.01
23 33 13 23-0305 EA 24" x 44" Vertically Mounted Backdraft Damper	227.48	23.33
23 33 13 23-0306 EA 44" x 24" Vertically Mounted Backdraft Damper	234.48	25.64
23 33 13 23-0307 EA 28" x 40" Vertically Mounted Backdraft Damper	251.02	28.02
23 33 13 23-0308 EA 40" x 28" Vertically Mounted Backdraft Damper	258.02	30.34
23 33 13 23-0309 EA 24" x 48" Vertically Mounted Backdraft Damper	269.81	32.65
23 33 13 23-0310 EA 32" x 36" Vertically Mounted Backdraft Damper	276.81	35.03
23 33 13 23-0311 EA 36" x 32" Vertically Mounted Backdraft Damper	283.83	37.34
23 33 13 23-0312 EA 48" x 24" Vertically Mounted Backdraft Damper	290.83	39.65
23 33 13 23-0313 EA 50" x 24" Vertically Mounted Backdraft Damper	304.99	41.97
23 33 13 23-0314 EA 28" x 44" Vertically Mounted Backdraft Damper	316.75	44.35
23 33 13 23-0315 EA 44" x 28" Vertically Mounted Backdraft Damper	316.75	44.35
23 33 13 23-0316 EA 32" x 40" Vertically Mounted Backdraft Damper	330.93	46.66
23 33 13 23-0317 EA 40" x 32" Vertically Mounted Backdraft Damper	236.35	15.13
23 33 13 23-0318 EA 36" x 36" Vertically Mounted Backdraft Damper	249.24	18.64
23 33 13 23-0319 EA 28" x 48" Vertically Mounted Backdraft Damper	263.39	21.01
23 33 13 23-0320 EA 48" x 28" Vertically Mounted Backdraft Damper	270.40	23.33
23 33 13 23-0321 EA 50" x 28" Vertically Mounted Backdraft Damper	285.75	25.64
23 33 13 23-0322 EA 32" x 44" Vertically Mounted Backdraft Damper	293.95	28.02
23 33 13 23-0323 EA 44" x 32" Vertically Mounted Backdraft Damper	293.95	28.02
23 33 13 23-0324 EA 36" x 40" Vertically Mounted Backdraft Damper	306.32	30.34
23 33 13 23-0325 EA 40" x 36" Vertically Mounted Backdraft Damper	298.27	35.03
23 33 13 23-0326 EA 28" x 52" Vertically Mounted Backdraft Damper	307.43	37.34
23 33 13 23-0327 EA 32" x 48" Vertically Mounted Backdraft Damper	325.16	39.65
23 33 13 23-0328 EA 48" x 32" Vertically Mounted Backdraft Damper	332.17	41.97
23 33 13 23-0329 EA 28" x 56" Vertically Mounted Backdraft Damper	343.47	44.35
23 33 13 23-0330 EA 36" x 44" Vertically Mounted Backdraft Damper	345.62	44.35
23 33 13 23-0331 EA 44" x 36" Vertically Mounted Backdraft Damper	352.63	46.66
23 33 13 23-0332 EA 40" x 40" Vertically Mounted Backdraft Damper	354.77	46.66
23 33 13 23-0333 EA 50" x 32" Vertically Mounted Backdraft Damper	263.69	16.33
23 33 13 23-0334 EA 32" x 52" Vertically Mounted Backdraft Damper	279.29	18.64
23 33 13 23-0335 EA 28" x 60" Vertically Mounted Backdraft Damper	288.43	21.01
23 33 13 23-0336 EA 36" x 48" Vertically Mounted Backdraft Damper	301.89	23.33
23 33 13 23-0337 EA 48" x 36" Vertically Mounted Backdraft Damper	308.89	25.64
23 33 13 23-0338 EA 40" x 44" Vertically Mounted Backdraft Damper	320.19	28.02
23 33 13 23-0339 EA 44" x 40" Vertically Mounted Backdraft Damper	327.19	30.34
23 33 13 23-0340 EA 32" x 56" Vertically Mounted Backdraft Damper	338.49	32.65
23 33 13 23-0341 EA 50" x 36" Vertically Mounted Backdraft Damper	319.73	35.03
23 33 13 23-0342 EA 36" x 52" Vertically Mounted Backdraft Damper	342.34	39.65
23 33 13 23-0343 EA 32" x 60" Vertically Mounted Backdraft Damper	355.07	41.97
23 33 13 23-0344 EA 40" x 48" Vertically Mounted Backdraft Damper	362.07	44.35
23 33 13 23-0345 EA 48" x 40" Vertically Mounted Backdraft Damper	362.07	44.35
23 33 13 23-0346 EA 44" x 44" Vertically Mounted Backdraft Damper	370.99	46.66
23 33 13 23-0347 EA 40" x 50" Vertically Mounted Backdraft Damper	385.63	48.97
23 33 13 23-0348 EA 50" x 40" Vertically Mounted Backdraft Damper	385.63	48.97
23 33 13 23-0349 EA 36" x 56" Vertically Mounted Backdraft Damper	289.45	16.33
23 33 13 23-0350 EA 32" x 64" Vertically Mounted Backdraft Damper	307.28	21.01
23 33 13 23-0351 EA 44" x 48" Vertically Mounted Backdraft Damper	321.92	23.33
23 33 13 23-0352 EA 48" x 44" Vertically Mounted Backdraft Damper	328.92	25.64
23 33 13 23-0353 EA 36" x 60" Vertically Mounted Backdraft Damper	341.66	28.02
23 33 13 23-0354 EA 32" x 68" Vertically Mounted Backdraft Damper	350.57	30.34
23 33 13 23-0355 EA 44" x 50" Vertically Mounted Backdraft Damper	327.64	32.65
23 33 13 23-0356 EA 50" x 44" Vertically Mounted Backdraft Damper	334.64	35.03
23 33 13 23-0357 EA 32" x 72" Vertically Mounted Backdraft Damper	352.51	37.34
23 33 13 23-0358 EA 36" x 64" Vertically Mounted Backdraft Damper	359.51	39.65
23 33 13 23-0359 EA 48" x 48" Vertically Mounted Backdraft Damper	366.52	41.97
23 33 13 23-0360 EA 48" x 50" Vertically Mounted Backdraft Damper	383.53	44.35
23 33 13 23-0361 EA 50" x 48" Vertically Mounted Backdraft Damper	390.54	46.66
23 33 13 23-0362 EA 36" x 68" Vertically Mounted Backdraft Damper	395.55	46.66
23 33 13 23-0363 EA 50" x 50" Vertically Mounted Backdraft Damper	407.98	48.97
23 33 13 23-0364 EA 36" x 72" Vertically Mounted Backdraft Damper	417.58	48.97
23 33 13 23-0365 Backdraft Damper Accessories (23 33 13 23)		
23 33 13 23-0366 EA For Motor Pack For Horizontally Mounted Backdraft Damper.....	111.79	17.57
23 33 13 23-0367 EA For Motor Pack For Vertically Mounted Backdraft Damper.....	182.14	17.57
23 33 13 33 Splitter Damper Hardware (23 33 13)		
23 33 13 33-0001 EA Splitter Damper, Hardware	21.67	4.90
23 33 13 43 Blower Check Valve (23 33 13)		
23 33 13 43-0001 Blower Check Valves With Silicone Seals (23 33 13 43)		
23 33 13 43-0002 EA 2-1/2" Blower Check Valves, Silicone Seals.....	276.31	18.07
23 33 13 43-0003 EA 3" Blower Check Valves, Silicone Seals	307.88	20.60

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 43-0004	EA		4" Blower Check Valves, Silicone Seals	394.16	27.32
23 33 13 43-0005	EA		5" Blower Check Valves, Silicone Seals	554.02	31.53
23 33 13 43-0006	EA		6" Blower Check Valves, Silicone Seals	616.96	37.84
23 33 13 43-0007	EA		8" Blower Check Valves, Silicone Seals	932.40	47.92
23 33 13 43-0008			Blower Check Valves With Viton Seats (23 33 13 43)		
23 33 13 43-0009	EA		2-1/2" Blower Check Valves, Viton Seats	392.55	18.07
23 33 13 43-0010	EA		3" Blower Check Valves, Viton Seats	446.04	20.60
23 33 13 43-0011	EA		4" Blower Check Valves, Viton Seats	490.35	27.32
23 33 13 43-0012	EA		5" Blower Check Valves, Viton Seats	698.03	31.53
23 33 13 43-0013	EA		6" Blower Check Valves, Viton Seats	775.94	37.84
23 33 13 43-0014	EA		8" Blower Check Valves, Viton Seats	1,213.62	47.92
23 33 19			Duct Sound Trap (23 33)		
23 33 19 00-0001			36" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0002	EA		12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	190.60	28.72
23 33 19 00-0003	EA		12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	228.04	32.92
23 33 19 00-0004	EA		12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	291.44	37.82
23 33 19 00-0005	EA		12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	351.37	42.72
23 33 19 00-0006	EA		24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	327.89	42.72
23 33 19 00-0007	EA		24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	410.84	44.83
23 33 19 00-0008	EA		24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	452.14	47.63
23 33 19 00-0009	EA		24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	494.86	50.43
23 33 19 00-0010	EA		24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	640.96	57.43
23 33 19 00-0011	EA		36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	410.69	47.63
23 33 19 00-0012	EA		36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	548.38	57.43
23 33 19 00-0013	EA		36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	949.96	77.04
23 33 19 00-0014	EA		36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,047.25	81.25
23 33 19 00-0015	EA		48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,166.76	87.55
23 33 19 00-0016	EA		48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,307.74	95.25
23 33 19 00-0017			60" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0018	EA		12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	212.42	63.04
23 33 19 00-0019	EA		12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	254.92	72.84
23 33 19 00-0020	EA		12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	326.68	84.05
23 33 19 00-0021	EA		12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	393.84	94.55
23 33 19 00-0022	EA		24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	367.15	94.55
23 33 19 00-0023	EA		24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	462.31	100.16
23 33 19 00-0024	EA		24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	506.86	105.06
23 33 19 00-0025	EA		24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	552.45	110.67
23 33 19 00-0026	EA		24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	720.02	126.07
23 33 19 00-0027	EA		36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	459.76	105.06
23 33 19 00-0028	EA		36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	614.83	126.07
23 33 19 00-0029	EA		36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,061.85	165.99
23 33 19 00-0030	EA		36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,182.92	180.00
23 33 19 00-0031	EA		48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,309.94	191.21
23 33 19 00-0032	EA		48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,472.18	210.12
23 33 19 00-0033			84" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0034	EA		6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	181.99	52.53
23 33 19 00-0035	EA		6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	306.75	78.44
23 33 19 00-0036	EA		6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	430.19	114.86
23 33 19 00-0037	EA		12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	242.26	63.04
23 33 19 00-0038	EA		12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	298.89	72.84
23 33 19 00-0039	EA		12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	398.90	84.05
23 33 19 00-0040	EA		12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	467.42	90.35
23 33 19 00-0041	EA		12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	509.54	97.36
23 33 19 00-0042	EA		12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	634.04	105.06
23 33 19 00-0043	EA		12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	745.77	114.86
23 33 19 00-0044	EA		24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	443.60	97.36
23 33 19 00-0045	EA		24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	616.26	101.56
23 33 19 00-0046	EA		24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	670.15	105.06
23 33 19 00-0047	EA		24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	728.30	110.67
23 33 19 00-0048	EA		24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	905.15	119.07
23 33 19 00-0049	EA		24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	980.65	126.07
23 33 23			Duct Turning Vanes (23 33)		
23 33 23 00-0001			Duct Turning Vane Components (23 33 23)		
23 33 23 00-0002	LF		Duct Turning Vane Rail	5.12	1.75
			<i>For Stainless Steel, Add</i>	1.94	
23 33 23 00-0003	LF		Double Thick Factory Fabricated, Duct Turning Vane	3.69	0.70
			<i>For Stainless Steel, Add</i>	2.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 23 00-0004 Duct Turning Vane Sets <small>(23 33 23)</small>		
Note: Measured from inside corner to outside corner of ductwork.		
23 33 23 00-0005 LF 12" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	13.57 13.36	2.62
23 33 23 00-0006 LF 14" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	16.50 16.90	2.80
23 33 23 00-0007 LF 16" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	21.91 23.66	2.94
23 33 23 00-0008 LF 18" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	27.34 30.42	3.16
23 33 23 00-0009 LF 20" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	30.20 33.80	3.36
23 33 23 00-0010 LF 22" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	37.74 43.95	3.16
23 33 23 00-0011 LF 24" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	46.28 54.09	3.71
23 33 23 00-0012 LF 26" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	49.59 58.16	3.88
23 33 23 00-0013 LF 30" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	55.14 65.13	4.03
23 33 33 Duct-Mounting Access Doors <small>(23 33)</small>		
23 33 33 00-0001 Duct Access Doors, Insulated Factory Fabrication <small>(23 33 33)</small>		
23 33 33 00-0002 EA 6" x 6" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	56.53 34.28	9.81
23 33 33 00-0003 EA 10" x 10" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	60.13 41.48	9.81
23 33 33 00-0004 EA 12" x 12" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	61.89 45.00	9.81
23 33 33 00-0005 EA 12" x 18" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	80.21 63.44	11.91
23 33 33 00-0006 EA 16" x 12" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	80.93 64.88	11.91
23 33 33 00-0007 EA 18" x 18" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	100.37 74.66	16.11
23 33 33 00-0008 EA 24" x 18" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	119.00 80.40	19.61
23 33 33 00-0009 EA 24" x 24" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	154.42 98.72	26.62
23 33 43 Flexible Duct Connectors <small>(23 33)</small>		
23 33 43 00-0001 LF Flex Duct Connector, Fabric/Sheet Metal	8.24	2.10
23 33 43 00-0002 LF Flex Duct Connector, Rubber Vinyl.....	7.99	1.90
23 33 46 Flexible Ducts <small>(23 33)</small>		
23 33 46 00-0001 Flexible Duct, R4.2 Insulated With Metallized Outer Jacket <small>(23 33 46)</small>		
Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.		
23 33 46 00-0002 LF 4" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	4.09	0.70
23 33 46 00-0003 LF 5" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	4.59	1.40
23 33 46 00-0004 LF 6" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	5.36	1.40
23 33 46 00-0005 LF 7" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	6.25	1.40
23 33 46 00-0006 LF 8" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	7.56	2.10
23 33 46 00-0007 LF 10" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	9.62	2.10
23 33 46 00-0008 LF 12" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	13.11	2.80
23 33 46 00-0009 LF 14" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	16.17	2.80
23 33 46 00-0010 LF 16" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	21.11	3.50
23 33 46 00-0011 Collars, Sheet Metal Spin-In Type With Damper <small>(23 33 46)</small>		
23 33 46 00-0012 EA Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	27.34 15.05	4.20
23 33 46 00-0013 EA 5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	29.74 15.25	4.90
23 33 46 00-0014 EA 6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	33.95 16.82	4.90
23 33 46 00-0015 EA 7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	38.57 17.36	6.30
23 33 46 00-0016 EA 8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	46.60 19.60	7.70
23 33 46 00-0017 EA 10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	54.61 24.17	9.10
23 33 46 00-0018 EA 12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	62.05 26.04	10.51
23 33 46 00-0019 EA 14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	73.41 32.60	11.91
23 33 46 00-0020 EA 16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	79.97 35.67	13.31

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 33 53 Duct Liners (23 33)****23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation (23 33 53)**

23 33 53 00-0002	SF	1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	7.00	1.78
23 33 53 00-0003	SF	3/4" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	7.63	1.78
23 33 53 00-0004	SF	1" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	8.49	2.37
23 33 53 00-0005	SF	1-1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	10.43	2.37
23 33 53 00-0006	SF	2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	12.58	2.66
23 33 53 00-0007	SF	1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	7.16	2.10
23 33 53 00-0008	SF	3/4" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	7.81	2.10
23 33 53 00-0009	SF	1" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	8.72	2.80
23 33 53 00-0010	SF	1-1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	10.64	2.80
23 33 53 00-0011	SF	2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	12.87	3.16

23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation (23 33 53)

23 33 53 00-0013	SF	1", R3.8, 1.5 LB/CF, T150, Fiberglass Duct Liner Blanket	1.87	1.90
23 33 53 00-0014	SF	1", R4.1, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	2.46	1.90
23 33 53 00-0015	SF	1", R4.3, 3 LB/CF, T300, Fiberglass Duct Liner Blanket	3.22	1.90
23 33 53 00-0016	SF	1-1/2", T150, 1.5 LB/CF, Fiberglass Duct Liner Blanket	2.65	2.10
23 33 53 00-0017	SF	2", R7.7, 1.5 LB/CF, T150 Fiberglass Duct Liner Blanket	2.82	2.31
23 33 53 00-0018	SF	2", R8, 2 LB/CF, T200 Fiberglass Duct Liner Blanket	4.46	2.31

23 33 56 Duct Air Extractors (23 33)

23 33 56 00-0001	EA	12" x 4" Duct Air Extractor	45.35	11.55
		<i>For Stainless Steel, Add</i>	28.91	
23 33 56 00-0002	EA	8" x 6" Duct Air Extractor	47.46	12.60
		<i>For Stainless Steel, Add</i>	28.91	
23 33 56 00-0003	EA	12" x 6" Duct Air Extractor	57.39	13.31
		<i>For Stainless Steel, Add</i>	40.00	
23 33 56 00-0004	EA	16" x 6" Duct Air Extractor	67.06	14.00
		<i>For Stainless Steel, Add</i>	50.75	
23 33 56 00-0005	EA	24" x 6" Duct Air Extractor	95.26	15.41
		<i>For Stainless Steel, Add</i>	83.79	
23 33 56 00-0006	EA	12" x 8" Duct Air Extractor	62.52	14.00
		<i>For Stainless Steel, Add</i>	44.85	
23 33 56 00-0007	EA	20" x 8" Duct Air Extractor	84.95	17.51
		<i>For Stainless Steel, Add</i>	64.91	
23 33 56 00-0008	EA	18" x 10" Duct Air Extractor	88.95	19.95
		<i>For Stainless Steel, Add</i>	63.73	
23 33 56 00-0009	EA	24" x 10" Duct Air Extractor	110.47	23.45
		<i>For Stainless Steel, Add</i>	82.62	
23 33 56 00-0010	EA	24" x 12" Duct Air Extractor	124.12	28.02
		<i>For Stainless Steel, Add</i>	88.52	
23 33 56 00-0011	EA	30" x 12" Duct Air Extractor	155.37	35.02
		<i>For Stainless Steel, Add</i>	110.93	

23 33 59 Duct Pressure Relief Doors (23 33)**23 33 59 00-0001 Duct Pressure Relief Doors (23 33 59)**

23 33 59 00-0002	EA	18" x 18" Duct Pressure Relief Door (Ruskin PRD18)	632.91	21.01
23 33 59 00-0003	EA	24" x 10" Duct Pressure Relief Door (Ruskin PRD18)	520.11	17.51
23 33 59 00-0004	EA	24" x 12" Duct Pressure Relief Door (Ruskin PRD18)	516.13	19.26

23 34 HVAC Fans (23 30)**23 34 13 Axial HVAC Fans (23 34)****23 34 13 00-0001 Tube-Axial Fans (23 34 13)****23 34 13 00-0002 Direct Drive Tube-Axial Duct Fans (23 34 13 00-0001)**

23 34 13 00-0003	EA	12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure	1,042.33	214.83
		<i>For 1/4" Static Pressure, Add</i>	48.98	
		<i>For 3/8" Static Pressure, Add</i>	97.96	
		<i>For 1/2" Static Pressure, Add</i>	134.69	
23 34 13 00-0004	EA	12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure	1,086.06	215.48
		<i>For 1/4" Static Pressure, Add</i>	52.48	
		<i>For 3/8" Static Pressure, Add</i>	104.96	
		<i>For 1/2" Static Pressure, Add</i>	144.31	
23 34 13 00-0005	EA	16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure	1,173.53	214.83
		<i>For 1/4" Static Pressure, Add</i>	59.48	
		<i>For 3/8" Static Pressure, Add</i>	118.95	
		<i>For 1/2" Static Pressure, Add</i>	163.56	
23 34 13 00-0006	EA	20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure	1,260.99	215.48
		<i>For 1/4" Static Pressure, Add</i>	66.47	
		<i>For 3/8" Static Pressure, Add</i>	132.94	
		<i>For 1/2" Static Pressure, Add</i>	182.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0007 EA 22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure.....	1,478.21	258.06
<i>For 1/4" Static Pressure, Add</i>	76.97	
<i>For 3/8" Static Pressure, Add</i>	153.94	
<i>For 1/2" Static Pressure, Add</i>	211.66	
23 34 13 00-0008 EA 24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure.....	1,698.01	280.63
<i>For 1/4" Static Pressure, Add</i>	90.96	
<i>For 3/8" Static Pressure, Add</i>	181.92	
<i>For 1/2" Static Pressure, Add</i>	250.14	
23 34 13 00-0009 EA 24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure.....	1,795.17	307.09
<i>For 1/4" Static Pressure, Add</i>	94.46	
<i>For 3/8" Static Pressure, Add</i>	188.92	
<i>For 1/2" Static Pressure, Add</i>	259.77	
23 34 13 00-0010 EA 30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure.....	2,044.54	322.57
<i>For 1/4" Static Pressure, Add</i>	111.95	
<i>For 3/8" Static Pressure, Add</i>	223.91	
<i>For 1/2" Static Pressure, Add</i>	307.87	
23 34 13 00-0011 EA 30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure.....	2,468.22	403.21
<i>For 1/4" Static Pressure, Add</i>	132.94	
<i>For 3/8" Static Pressure, Add</i>	265.89	
<i>For 1/2" Static Pressure, Add</i>	365.60	
23 34 13 00-0012 EA 36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure.....	2,784.37	430.30
<i>For 1/4" Static Pressure, Add</i>	153.94	
<i>For 3/8" Static Pressure, Add</i>	307.87	
<i>For 1/2" Static Pressure, Add</i>	423.32	
23 34 13 00-0013 EA 36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure.....	3,266.57	496.11
<i>For 1/4" Static Pressure, Add</i>	181.92	
<i>For 3/8" Static Pressure, Add</i>	363.85	
<i>For 1/2" Static Pressure, Add</i>	500.29	
23 34 13 00-0014 Belt Drive Tube-Axial Duct Fans (23 34 13 00-0001)		
23 34 13 00-0015 EA 15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure.....	989.00	208.38
<i>For 1/4" Static Pressure, Add</i>	45.82	
<i>For 3/8" Static Pressure, Add</i>	91.64	
<i>For 1/2" Static Pressure, Add</i>	126.01	
23 34 13 00-0016 EA 15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure.....	1,048.09	215.48
<i>For 1/4" Static Pressure, Add</i>	49.44	
<i>For 3/8" Static Pressure, Add</i>	98.88	
<i>For 1/2" Static Pressure, Add</i>	135.96	
23 34 13 00-0017 EA 18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure.....	1,083.01	222.57
<i>For 1/4" Static Pressure, Add</i>	51.05	
<i>For 3/8" Static Pressure, Add</i>	102.09	
<i>For 1/2" Static Pressure, Add</i>	140.38	
23 34 13 00-0018 EA 18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure.....	1,145.80	230.32
<i>For 1/4" Static Pressure, Add</i>	54.80	
<i>For 3/8" Static Pressure, Add</i>	109.60	
<i>For 1/2" Static Pressure, Add</i>	150.70	
23 34 13 00-0019 EA 18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure.....	1,290.15	239.34
<i>For 1/4" Static Pressure, Add</i>	64.98	
<i>For 3/8" Static Pressure, Add</i>	129.96	
<i>For 1/2" Static Pressure, Add</i>	178.70	
23 34 13 00-0020 EA 24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure.....	1,360.45	248.38
<i>For 1/4" Static Pressure, Add</i>	69.14	
<i>For 3/8" Static Pressure, Add</i>	138.27	
<i>For 1/2" Static Pressure, Add</i>	190.12	
23 34 13 00-0021 EA 24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure.....	1,520.98	258.06
<i>For 1/4" Static Pressure, Add</i>	80.39	
<i>For 3/8" Static Pressure, Add</i>	160.78	
<i>For 1/2" Static Pressure, Add</i>	221.07	
23 34 13 00-0022 EA 24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure.....	1,712.55	258.06
<i>For 1/4" Static Pressure, Add</i>	95.78	
<i>For 3/8" Static Pressure, Add</i>	191.56	
<i>For 1/2" Static Pressure, Add</i>	263.40	
23 34 13 00-0023 EA 30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure.....	1,983.58	280.63
<i>For 1/4" Static Pressure, Add</i>	113.89	
<i>For 3/8" Static Pressure, Add</i>	227.77	
<i>For 1/2" Static Pressure, Add</i>	313.19	
23 34 13 00-0024 EA 30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure.....	2,352.45	339.98
<i>For 1/4" Static Pressure, Add</i>	133.98	
<i>For 3/8" Static Pressure, Add</i>	267.96	
<i>For 1/2" Static Pressure, Add</i>	368.45	
23 34 13 00-0025 EA 30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure.....	2,675.97	339.98
<i>For 1/4" Static Pressure, Add</i>	159.64	
<i>For 3/8" Static Pressure, Add</i>	319.27	
<i>For 1/2" Static Pressure, Add</i>	439.00	
23 34 13 00-0026 EA 36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure.....	2,944.89	358.69
<i>For 1/4" Static Pressure, Add</i>	178.25	
<i>For 3/8" Static Pressure, Add</i>	356.49	
<i>For 1/2" Static Pressure, Add</i>	490.18	
23 34 13 00-0027 EA 36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure.....	3,215.76	379.34
<i>For 1/4" Static Pressure, Add</i>	196.68	
<i>For 3/8" Static Pressure, Add</i>	393.37	
<i>For 1/2" Static Pressure, Add</i>	540.88	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0028 EA 36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure.....	3,669.13	496.11
For 1/4" Static Pressure, Add	214.37	
For 3/8" Static Pressure, Add	428.74	
For 1/2" Static Pressure, Add	589.52	
23 34 13 00-0029 EA 36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure.....	4,182.20	496.75
For 1/4" Static Pressure, Add	255.42	
For 3/8" Static Pressure, Add	510.84	
For 1/2" Static Pressure, Add	702.40	
23 34 13 00-0030 EA 42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure.....	4,726.07	586.30
For 1/4" Static Pressure, Add	284.59	
For 3/8" Static Pressure, Add	569.18	
For 1/2" Static Pressure, Add	782.62	
23 34 16 Centrifugal HVAC Fans (23 34)		
23 34 16 00-0001 Centrifugal Fans (23 34 16)		
Note: All belt fans to be supplied with belt guard.		
23 34 16 00-0002 Utility Backward Inclined Steel Wheel Centrifugal Fans (23 34 16 00-0001)		
Note: V-belt driven.		
23 34 16 00-0003 Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002)		
Note: Under 30" diameter wheel.		
23 34 16 00-0004 12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0005 EA 1/6 HP Centrifugal Fan, 12-1/4" Wheel, 450 - 1,750 CFM At 1/8" Static Pressure	1,117.91	141.73
23 34 16 00-0006 EA 1/4 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,668.52	147.09
23 34 16 00-0007 EA 1/3 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,712.70	117.22
23 34 16 00-0008 EA 1/2 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,789.79	160.64
23 34 16 00-0009 EA 3/4 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,826.99	170.32
23 34 16 00-0010 EA 1 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,883.55	177.41
23 34 16 00-0011 EA 1-1/2 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,935.31	189.02
23 34 16 00-0012 13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0013 EA 1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,940.31	154.84
23 34 16 00-0014 EA 1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,971.91	160.64
23 34 16 00-0015 EA 1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,032.00	170.32
23 34 16 00-0016 EA 3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,065.49	177.41
23 34 16 00-0017 EA 1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,128.90	189.02
23 34 16 00-0018 EA 1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,195.31	198.06
23 34 16 00-0019 15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0020 EA 1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure.....	1,949.17	160.64
23 34 16 00-0021 EA 1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure.....	1,986.52	170.32
23 34 16 00-0022 EA 1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure.....	2,042.75	177.41
23 34 16 00-0023 EA 3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure.....	2,083.40	189.02
23 34 16 00-0024 EA 1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure.....	2,142.25	198.06
23 34 16 00-0025 EA 1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,221.59	212.90
23 34 16 00-0026 EA 2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure.....	2,284.05	223.86
23 34 16 00-0027 16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0028 EA 1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,248.06	170.32
23 34 16 00-0029 EA 1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,327.91	177.41
23 34 16 00-0030 EA 1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,411.78	189.02
23 34 16 00-0031 EA 3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,452.97	198.06
23 34 16 00-0032 EA 1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,503.30	212.90
23 34 16 00-0033 EA 1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,548.11	223.86
23 34 16 00-0034 EA 2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,836.25	243.22
23 34 16 00-0035 18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0036 EA 1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,321.35	177.41
23 34 16 00-0037 EA 1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,367.68	189.02
23 34 16 00-0038 EA 1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,437.91	198.06
23 34 16 00-0039 EA 3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,483.15	212.90
23 34 16 00-0040 EA 1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,556.97	223.86
23 34 16 00-0041 EA 1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,665.68	243.22
23 34 16 00-0042 EA 2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,733.51	258.06
23 34 16 00-0043 EA 3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,830.11	283.86
23 34 16 00-0044 20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0045 EA 1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,333.58	189.02
23 34 16 00-0046 EA 1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,403.77	198.06
23 34 16 00-0047 EA 1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,483.15	212.90
23 34 16 00-0048 EA 3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,556.97	223.86
23 34 16 00-0049 EA 1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,699.79	243.22



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				23 34 16 00-0050 EA 1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,913.81	258.06
				23 34 16 00-0051 EA 2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,045.52	283.86
				23 34 16 00-0052 EA 3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,189.96	303.86
23 34 16 00-0053				22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure <small>(23 34 16 00-0003)</small>		
				23 34 16 00-0054 EA 1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,839.69	198.06
				23 34 16 00-0055 EA 1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,879.59	212.90
				23 34 16 00-0056 EA 1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,945.49	223.86
				23 34 16 00-0057 EA 3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,021.99	243.22
				23 34 16 00-0058 EA 1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,136.22	258.06
				23 34 16 00-0059 EA 1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,149.75	283.86
				23 34 16 00-0060 EA 2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,212.70	303.86
				23 34 16 00-0061 EA 3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,324.85	340.63
23 34 16 00-0062				24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure <small>(23 34 16 00-0003)</small>		
				23 34 16 00-0063 EA 1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,445.92	212.90
				23 34 16 00-0064 EA 1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,529.91	243.22
				23 34 16 00-0065 EA 3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,631.85	258.06
				23 34 16 00-0066 EA 1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,727.80	283.86
				23 34 16 00-0067 EA 1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,815.38	303.86
				23 34 16 00-0068 EA 2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,870.68	340.63
				23 34 16 00-0069 EA 3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,972.42	370.30
				23 34 16 00-0070 EA 5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,227.13	425.79
23 34 16 00-0071				27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure <small>(23 34 16 00-0003)</small>		
				23 34 16 00-0072 EA 1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,832.47	223.86
				23 34 16 00-0073 EA 1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,916.14	258.06
				23 34 16 00-0074 EA 3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,012.09	283.86
				23 34 16 00-0075 EA 1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,099.68	303.86
				23 34 16 00-0076 EA 1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,211.82	340.63
				23 34 16 00-0077 EA 2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,313.22	370.30
				23 34 16 00-0078 EA 3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,592.09	425.79
				23 34 16 00-0079 EA 5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,583.11	472.89
23 34 16 00-0080				Large Industrial Type Utility Backward Centrifugal Fans <small>(23 34 16 00-0002)</small>		
				Note: Over 30" diameter wheel.		
23 34 16 00-0081				30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure <small>(23 34 16 00-0080)</small>		
				23 34 16 00-0082 EA 1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,405.10	283.86
				23 34 16 00-0083 EA 3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,488.21	303.86
				23 34 16 00-0084 EA 1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,610.52	340.63
				23 34 16 00-0085 EA 1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,723.28	370.30
				23 34 16 00-0086 EA 2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,876.00	425.79
				23 34 16 00-0087 EA 3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,015.91	472.89
				23 34 16 00-0088 EA 5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,227.51	567.72
				23 34 16 00-0089 EA 7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,425.03	654.82
23 34 16 00-0090				33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure <small>(23 34 16 00-0080)</small>		
				23 34 16 00-0091 EA 1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,373.97	303.86
				23 34 16 00-0092 EA 3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,542.98	340.63
				23 34 16 00-0093 EA 1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,701.58	370.30
				23 34 16 00-0094 EA 1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,899.44	425.79
				23 34 16 00-0095 EA 2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,084.84	472.89
				23 34 16 00-0096 EA 3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,341.91	567.72
				23 34 16 00-0097 EA 5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,650.78	654.82
				23 34 16 00-0098 EA 7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,999.43	851.59
23 34 16 00-0099				36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure <small>(23 34 16 00-0080)</small>		
				23 34 16 00-0100 EA 1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,175.54	340.63
				23 34 16 00-0101 EA 3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,220.42	370.30
				23 34 16 00-0102 EA 1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,304.56	425.79
				23 34 16 00-0103 EA 1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,399.17	472.89
				23 34 16 00-0104 EA 2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	6,100.81	567.72
				23 34 16 00-0105 EA 3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	6,329.74	654.82
				23 34 16 00-0106 EA 5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	6,727.36	851.59
				23 34 16 00-0107 EA 7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,149.80	1,064.47
23 34 16 00-0108				Kitchen System Fans <small>(23 34 16 00-0001)</small>		
23 34 16 00-0109				Upblast Kitchen Exhaust Fans <small>(23 34 16 00-0108)</small>		
23 34 16 00-0110				Direct Drive Kitchen Upblast Exhaust Fans <small>(23 34 16 00-0109)</small>		
				Note: Greenheck CUE.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 34 HVAC Fans



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0111	EA		Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan..... Note: 115V. For roof or wall installations. Includes disconnect switch.	732.41	83.86
			<i>For Bird Screen, Add</i>	31.99	
			<i>For Backdraft Damper, Add</i>	68.80	
			<i>For Damper Motor, Add</i>	108.91	
23 34 16 00-0112	EA		14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan Note: 115V. For roof or wall installations. Includes disconnect switch.	859.51	83.86
			<i>For Bird Screen, Add</i>	31.99	
			<i>For Backdraft Damper, Add</i>	68.80	
			<i>For Damper Motor, Add</i>	108.91	
23 34 16 00-0113			Belt Drive Kitchen Upblast Exhaust Fans <small>(23 34 16 00-0109)</small>		
			Note: Greenheck CUBE.		
23 34 16 00-0114	EA		10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,261.01	83.86
			<i>For Bird Screen, Add</i>	31.99	
			<i>For Wall Mounted Fan, Add</i>	50.44	
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	92.93	
			<i>For Backdraft Damper, Add</i>	68.80	
			<i>For Damper Motor, Add</i>	108.91	
23 34 16 00-0115	EA		12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,316.17	83.86
			<i>For Bird Screen, Add</i>	31.99	
			<i>For Wall Mounted Fan, Add</i>	52.65	
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	97.62	
			<i>For Backdraft Damper, Add</i>	68.80	
			<i>For Damper Motor, Add</i>	108.91	
23 34 16 00-0116	EA		14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,129.05	96.77
			<i>For Bird Screen, Add</i>	36.41	
			<i>For Wall Mounted Fan, Add</i>	45.16	
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	79.52	
			<i>For Backdraft Damper, Add</i>	78.03	
			<i>For Damper Motor, Add</i>	108.91	
23 34 16 00-0117	EA		14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,208.48	96.77
			<i>For Bird Screen, Add</i>	36.41	
			<i>For Wall Mounted Fan, Add</i>	48.34	
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	86.27	
			<i>For Backdraft Damper, Add</i>	78.03	
			<i>For Damper Motor, Add</i>	108.91	
23 34 16 00-0118	EA		16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,536.40	112.90
			<i>For Bird Screen, Add</i>	36.41	
			<i>For Wall Mounted Fan, Add</i>	61.46	
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	111.40	
			<i>For Backdraft Damper, Add</i>	78.03	
			<i>For Damper Motor, Add</i>	108.91	
23 34 16 00-0119	EA		16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,621.35	112.90
			<i>For Bird Screen, Add</i>	36.41	
			<i>For Wall Mounted Fan, Add</i>	64.85	
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	118.62	
			<i>For Backdraft Damper, Add</i>	78.03	
			<i>For Damper Motor, Add</i>	108.91	
23 34 16 00-0120	EA		18" Diameter Wheel, 1/2 HP , 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,766.55	120.96
			<i>For Bird Screen, Add</i>	60.68	
			<i>For Wall Mounted Fan, Add</i>	70.66	
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	129.59	
			<i>For Backdraft Damper, Add</i>	96.26	
			<i>For Damper Motor, Add</i>	108.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0121 EA 18" Diameter Wheel, 1 HP, 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	1,898.94	120.96
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	60.68	
<i>For Wall Mounted Fan, Add</i>	75.96	
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	140.85	
<i>For Backdraft Damper, Add</i>	96.26	
<i>For Damper Motor, Add</i>	108.91	
23 34 16 00-0122 EA 20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	1,930.51	129.02
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	60.68	
<i>For Wall Mounted Fan, Add</i>	77.22	
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	142.16	
<i>For Backdraft Damper, Add</i>	96.26	
<i>For Damper Motor, Add</i>	108.91	
23 34 16 00-0123 EA 20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,116.95	129.02
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	60.68	
<i>For Wall Mounted Fan, Add</i>	84.68	
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	158.01	
<i>For Backdraft Damper, Add</i>	96.26	
<i>For Damper Motor, Add</i>	108.91	
23 34 16 00-0124 EA 24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,438.24	145.15
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	71.71	
<i>For Wall Mounted Fan, Add</i>	97.53	
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	182.57	
<i>For Backdraft Damper, Add</i>	104.49	
<i>For Damper Motor, Add</i>	108.91	
23 34 16 00-0125 EA 24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,609.24	145.15
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	71.71	
<i>For Wall Mounted Fan, Add</i>	104.37	
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	197.11	
<i>For Backdraft Damper, Add</i>	104.49	
<i>For Damper Motor, Add</i>	108.91	
23 34 16 00-0126 EA 30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,092.71	161.28
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	77.22	
<i>For Wall Mounted Fan, Add</i>	123.71	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	235.46	
<i>For Backdraft Damper, Add</i>	115.70	
<i>For Damper Motor, Add</i>	108.91	
23 34 16 00-0127 EA 30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,148.97	161.28
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	77.22	
<i>For Wall Mounted Fan, Add</i>	125.96	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	240.24	
<i>For Backdraft Damper, Add</i>	115.70	
<i>For Damper Motor, Add</i>	108.91	
23 34 16 00-0128 EA 30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,434.70	161.28
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	77.22	
<i>For Wall Mounted Fan, Add</i>	137.39	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	264.53	
<i>For Backdraft Damper, Add</i>	115.70	
<i>For Damper Motor, Add</i>	108.91	
23 34 16 00-0129 EA 30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,572.60	161.28
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	77.22	
<i>For Wall Mounted Fan, Add</i>	142.90	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	276.25	
<i>For Backdraft Damper, Add</i>	115.70	
<i>For Damper Motor, Add</i>	108.91	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0130 EA 36" Diameter Wheel, 3 HP , 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,933.77		177.41
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	88.26	
For Wall Mounted Fan, Add	157.35	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	304.21	
For Damper Motor, Add	108.91	
For Backdraft Damper, Add	135.07	
23 34 16 00-0131 EA 36" Diameter Wheel, 5 HP , 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....4,092.35		177.41
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	88.26	
For Wall Mounted Fan, Add	163.69	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	317.69	
For Damper Motor, Add	108.91	
For Backdraft Damper, Add	135.07	
23 34 16 00-0132 EA 42" Diameter Wheel, 3 HP , 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....4,129.06		193.54
Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	88.26	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	318.07	
For Damper Motor, Add	108.91	
For Backdraft Damper, Add	155.83	
23 34 16 00-0133 EA 42" Diameter Wheel, 7-1/2 HP , 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....4,477.23		193.54
Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	88.26	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	347.67	
For Damper Motor, Add	108.91	
For Backdraft Damper, Add	155.83	
23 34 16 00-0134 Untempered Kitchen Make-Up Air Fans (23 34 16 00-0108)		
Note: Roof mounted with downblast discharge, weatherhood and filter.		
23 34 16 00-0135 Direct Drive Kitchen Make-Up Air Fans (23 34 16 00-0134)		
23 34 16 00-0136 EA 7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan .....785.92		83.86
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	134.65	
23 34 16 00-0137 EA 8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan .....825.06		83.86
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	140.52	
23 34 16 00-0138 EA 9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan .....873.09		83.86
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	147.72	
23 34 16 00-0139 Belt Drive Kitchen Make-Up Air Fans (23 34 16 00-0134)		
23 34 16 00-0140 EA 9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan .....891.72		83.86
Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	150.52	
23 34 16 00-0141 EA 10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan .....1,003.18		112.90
Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	173.06	
23 34 16 00-0142 EA 12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan .....1,208.06		129.02
Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	207.02	
23 34 16 00-0143 EA 15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan .....1,402.57		161.28
Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	242.64	
23 34 16 00-0144 EA 18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan .....1,697.05		193.54
Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	293.26	
23 34 16 00-0145 Replacement Parts (23 34 16 00-0001)		
23 34 16 00-0146 Replace Belts And Accessories (23 34 16 00-0145)		
23 34 16 00-0147 EA Fan Shaft Bearing, Replacement .....513.41		231.27
23 34 16 00-0148 EA Fan Belt, Replacement .....83.13		31.37
23 34 16 00-0149 Corrosive Fume Resistant Plastic (23 34 16 00-0001)		
23 34 16 00-0150 Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure (23 34 16 00-0149)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0151 EA 250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	3,349.42	116.61
<i>For Explosion Proof Motor, Add</i>	467.43	
23 34 16 00-0152 EA 895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	3,639.17	140.08
<i>For Explosion Proof Motor, Add</i>	503.85	
23 34 16 00-0153 EA 1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	4,316.27	175.09
<i>For Explosion Proof Motor, Add</i>	594.91	
23 34 16 00-0154 EA 2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	4,635.63	233.58
<i>For Explosion Proof Motor, Add</i>	625.26	
23 34 16 00-0155 EA 3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	5,313.99	350.20
<i>For Explosion Proof Motor, Add</i>	692.04	
23 34 16 00-0156 EA 11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	9,171.04	700.40
<i>For Explosion Proof Motor, Add</i>	1,165.54	
23 34 16 00-0157 EA 18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	13,374.49	1,001.21
<i>For Explosion Proof Motor, Add</i>	1,705.82	
23 34 16 00-0158 Utility Set, Centrifugal, Belt Drive (23 34 16 00-0149)		
23 34 16 00-0159 EA 1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	3,349.42	116.61
<i>For Explosion Proof Motor, Add</i>	467.43	
23 34 16 00-0160 EA 1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	3,436.82	140.08
<i>For Explosion Proof Motor, Add</i>	473.50	
23 34 16 00-0161 EA 1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	3,506.87	175.09
<i>For Explosion Proof Motor, Add</i>	473.50	
23 34 16 00-0162 EA 2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	3,623.88	233.58
<i>For Explosion Proof Motor, Add</i>	473.50	
23 34 16 00-0163 EA 3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	4,990.23	350.20
<i>For Explosion Proof Motor, Add</i>	643.47	
23 34 16 00-0164 EA 4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	5,165.32	437.74
<i>For Explosion Proof Motor, Add</i>	643.47	
23 34 16 00-0165 EA 4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	5,291.66	500.92
<i>For Explosion Proof Motor, Add</i>	643.47	
23 34 16 00-0166 EA 6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	5,421.35	525.29
<i>For Explosion Proof Motor, Add</i>	655.62	
23 34 16 00-0167 EA 7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	5,578.56	583.64
<i>For Explosion Proof Motor, Add</i>	661.69	
23 34 16 00-0168 In-Line Duct Fans (23 34 16 00-0001)		
23 34 16 00-0169 Direct Drive In-Line Duct Fans (23 34 16 00-0168)		
Note: Greenheck SQ.		
23 34 16 00-0170 EA Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan	977.98	83.86
Note: 115V. Includes disconnect switch.		
23 34 16 00-0171 EA 13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan	1,254.79	90.32
Note: 115V. Includes disconnect switch.		
23 34 16 00-0172 EA 14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan	1,376.62	96.77
Note: 115V. Includes disconnect switch.		
23 34 16 00-0173 Belt Drive In-Line Duct Fans (23 34 16 00-0168)		
Note: Greenheck BSQ.		
23 34 16 00-0174 EA Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan	1,439.64	96.77
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0175 EA 13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan	1,654.13	112.90
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0176 EA 13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan	1,864.44	112.90
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0177 EA 13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan	2,043.23	112.90
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0178 EA 16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan	1,984.38	129.02
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0179 EA 16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan	2,287.17	129.02
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0180 EA 24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan	2,911.36	161.28
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0181 EA 24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan	3,078.51	161.28
Note: 230/460/60/3. Includes disconnect switch.		
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0182 EA 24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan	3,196.34	161.28
Note: Belt drive. 230/460/60/3. Includes disconnect switch.		
<i>For Totally Enclosed Motor, Add</i>	85.00	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0183 EA 30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	3,694.55	193.54
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0184 EA 30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	3,835.18	193.54
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0185 EA 30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	4,008.01	193.54
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0186 In-Line Cabinet Fans (23 34 16 00-0001)		
23 34 16 00-0187 EA 950 CFM, 80 Watts, Direct Drive In-Line Cabinet Fan	259.25	56.45
23 34 16 00-0188 EA 1,050 CFM, 129 Watts, Direct Drive In-Line Cabinet Fan	274.66	56.45
23 34 16 00-0189 EA 1,100 CFM, 173 Watts, Direct Drive In-Line Cabinet Fan	295.57	56.45
23 34 16 00-0190 EA 950 CFM, 48.7 Watts, Direct Drive In-Line Cabinet Fan	294.47	56.45
23 34 16 00-0191 EA 1,100 CFM, 52.5 Watts, Direct Drive In-Line Cabinet Fan	294.47	56.45
23 34 16 00-0192 EA 1,400 CFM, 100 Watts, Direct Drive In-Line Cabinet Fan	327.48	56.45
23 34 16 00-0193 EA 900 CFM, 48.2 Watts, Direct Drive In-Line Cabinet Fan	393.35	59.67
23 34 16 00-0194 EA 1,000 CFM, 82.7 Watts, Direct Drive In-Line Cabinet Fan	335.03	59.67
23 34 16 00-0195 EA 1,050 CFM, 80.7 Watts, Direct Drive In-Line Cabinet Fan	357.04	59.67
23 34 16 00-0196 EA 1,350 CFM, 140 Watts, Direct Drive In-Line Cabinet Fan	371.34	59.67
23 34 16 00-0197 EA 1,000 CFM, 135 Watts, Direct Drive In-Line Cabinet Fan	387.85	59.67
23 34 16 00-0198 EA 1,070 CFM, 217 Watts, Direct Drive In-Line Cabinet Fan	387.85	59.67
23 34 16 00-0199 EA 1,100 CFM, 350 Watts, Direct Drive In-Line Cabinet Fan	633.09	62.90
23 34 16 00-0200 EA 1,080 CFM, 325 Watts, Direct Drive In-Line Cabinet Fan	532.96	62.90
23 34 16 00-0201 EA 1,600 CFM, 405 Watts, Direct Drive In-Line Cabinet Fan	532.96	62.90
23 34 16 00-0202 EA 950 CFM, 328 Watts, Direct Drive In-Line Cabinet Fan	721.13	62.90
23 34 16 00-0203 EA 1,095 CFM, 455 Watts, Direct Drive In-Line Cabinet Fan	721.13	62.90
23 34 16 00-0204 EA 1,450 CFM, 822 Watts, Direct Drive In-Line Cabinet Fan	721.13	62.90
23 34 16 00-0205 EA 1,610 CFM, 830 Watts, Direct Drive In-Line Cabinet Fan	783.85	62.90
23 34 16 00-0206 Propeller And Ceiling Fans (23 34 16)		
23 34 16 00-0207 Direct Drive, Sidewall Propeller Exhaust Fan (23 34 16 00-0206) Note: Greenheck SE1.		
23 34 16 00-0208 EA 1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	390.05	69.03
<i>For Backdraft Damper, Add</i>	76.36	
<i>For Wall Mount Collar, Add</i>	150.72	
23 34 16 00-0209 EA 1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	413.26	76.77
<i>For Backdraft Damper, Add</i>	82.57	
<i>For Wall Mount Collar, Add</i>	150.72	
23 34 16 00-0210 EA 1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	457.61	85.15
<i>For Backdraft Damper, Add</i>	90.80	
<i>For Wall Mount Collar, Add</i>	154.67	
23 34 16 00-0211 EA 1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	668.27 108.03 157.53 130.02	94.19
23 34 16 00-0212 EA 1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	680.83 108.03 161.49 138.38	104.51
23 34 16 00-0213 EA 1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	765.28 130.26 165.44 146.74	116.12
23 34 16 00-0214 EA 1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	873.42 130.26 168.29 158.42	129.02
23 34 16 00-0215 Belt Drive Propeller Exhaust Fans (23 34 16 00-0206) Note: Wall shutter 1/8" static pressure, with birdscreen.		
23 34 16 00-0216 EA 24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter	1,341.92	184.51
23 34 16 00-0217 EA 30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter	1,537.13	214.83
23 34 16 00-0218 EA 36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter	1,744.52	258.06
23 34 16 00-0219 EA 42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter	2,426.87	322.57
23 34 16 00-0220 EA 48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter	2,897.85	430.30
23 34 16 00-0221 EA 54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter	4,027.86	645.13
23 34 16 00-0222 EA 60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter	4,837.71	827.06
23 34 16 00-0223 Propeller Exhaust Fan Accessories (23 34 16 00-0206)		
23 34 16 00-0224 SF Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening)	69.07	
23 34 16 00-0225 SF Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening)	158.87	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0271 EA 434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400)	332.14	28.11
23 34 16 00-0272 EA 514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500)	377.68	28.11
23 34 16 00-0273 EA 701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700)	403.63	28.11
23 34 16 00-0274 EA 901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900)	479.41	28.11
23 34 16 00-0275 EA 1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500)	614.41	28.11
23 34 16 00-0276 Heavy Duty/Continuous Operation Kitchen Exhaust Fans <small>(23 34 16 00-0262)</small> Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0277 EA 308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG)	259.41	28.11
23 34 16 00-0278 EA 434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K)	374.28	28.11
23 34 16 00-0279 EA 514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K)	395.55	28.11
23 34 16 00-0280 Heavy Duty/Continuous Operation Exhaust Fans With Lights <small>(23 34 16 00-0262)</small>		
23 34 16 00-0281 EA 50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L)	136.68	28.11
23 34 16 00-0282 EA 80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L)	148.73	28.11
23 34 16 00-0283 Fire Rated, Heavy Duty/Continuous Operation Exhaust Fans <small>(23 34 16 00-0262)</small>		
23 34 16 00-0284 EA 50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF)	141.97	28.11
23 34 16 00-0285 EA 80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF)	149.95	28.11
23 34 16 00-0286 EA 110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® 110RDF)	153.79	28.11
23 34 16 00-0287 Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans <small>(23 34 16 00-0243)</small>		
23 34 16 00-0288 EA 900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900)	652.63	28.11
23 34 16 00-0289 EA 1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050)	652.63	28.11
23 34 16 00-0290 EA 1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410)	652.63	28.11
23 34 16 00-0291 EA 1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550)	715.63	28.11
23 34 16 00-0292 Room-To-Room Exhaust Fans <small>(23 34 16 00-0243)</small>		
23 34 16 00-0293 EA 90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512)	103.85	28.11
23 34 16 00-0294 EA 180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511)	168.98	28.11
23 34 16 00-0295 EA 380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510)	192.71	28.11
23 34 16 00-0296 Through-Wall Exhaust Fans <small>(23 34 16 00-0243)</small>		
23 34 16 00-0297 EA 250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507)	180.30	28.11
23 34 16 00-0298 EA 470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506)	213.01	28.11
23 34 16 00-0299 EA 180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509)	157.81	28.11
23 34 16 00-0300 EA 270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508)	209.63	28.11
23 34 16 00-0301 EA 360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C)	363.02	28.11
23 34 16 00-0302 Exhaust Fan Accessories <small>(23 34 16 00-0243)</small>		
23 34 16 00-0303 Exhaust Fan Controls <small>(23 34 16 00-0302)</small>		
23 34 16 00-0304 EA Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57)	99.43	17.57
23 34 16 00-0305 EA 60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59)	70.50	17.57
23 34 16 00-0306 EA 60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61)	71.19	17.57
23 34 16 00-0307 Roof And Wall Caps For Exhaust Fans <small>(23 34 16 00-0302)</small>		
23 34 16 00-0308 Wall Caps For Exhaust Fans <small>(23 34 16 00-0307)</small>		
23 34 16 00-0309 EA Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613)	159.42	35.03
23 34 16 00-0310 EA Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643)	161.70	35.03
23 34 16 00-0311 Roof Caps For Exhaust Fans <small>(23 34 16 00-0307)</small> Note: Includes flashing and built in bird screen.		
23 34 16 00-0312 EA Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611)	135.92	35.03
23 34 16 00-0313 EA Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612)	195.07	35.03
23 34 16 00-0314 EA CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636)	90.45	35.03
23 34 16 00-0315 EA CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634)	108.19	35.03



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0316				Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan (23 34 16 00-0243) Note: Includes storage and cleaning.		
23 34 16 00-0317	EA			Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan	48.39	
23 34 23 HVAC Power Ventilators (23 34)						
23 34 23 00-0001				Power Roof Ventilators (23 34 23)		
23 34 23 00-0002				Direct Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001) Note: Greenheck G.		
23 34 23 00-0003	EA			1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	444.15	92.26
				Note: Three speed motor.		
				For 12" Roof Curb, Add	119.68	
				For Backdraft Damper, Add	63.57	
				For Solid State Speed Control, Add	62.21	
				For Damper Motor, Add	108.91	
23 34 23 00-0004	EA			1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	501.63	104.51
				Note: Three speed motor.		
				For 12" Roof Curb, Add	119.68	
				For Backdraft Damper, Add	63.57	
				For Solid State Speed Control, Add	62.21	
				For Damper Motor, Add	108.91	
23 34 23 00-0005	EA			1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	723.82	121.93
				For 12" Roof Curb, Add	122.99	
				For Backdraft Damper, Add	68.80	
				For Solid State Speed Control, Add	62.21	
				For Damper Motor, Add	108.91	
23 34 23 00-0006	EA			1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	761.35	137.42
				For 12" Roof Curb, Add	122.99	
				For Backdraft Damper, Add	68.80	
				For Solid State Speed Control, Add	62.21	
				For Damper Motor, Add	108.91	
23 34 23 00-0007	EA			1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	961.31	151.61
				For Solid State Speed Control, Add	62.21	
				For Damper Motor, Add	108.91	
23 34 23 00-0008	EA			1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,071.44	161.28
				For 12" Roof Curb, Add	128.51	
				For Backdraft Damper, Add	78.03	
				For Solid State Speed Control, Add	96.40	
				For Damper Motor, Add	108.91	
23 34 23 00-0009				Belt Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001) Note: Greenheck GB.		
23 34 23 00-0010	EA			1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	943.84	137.42
				For 12" Roof Curb, Add	122.99	
				For Backdraft Damper, Add	68.80	
				For Damper Motor, Add	108.91	
23 34 23 00-0011	EA			1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,031.63	174.83
				For 12" Roof Curb, Add	128.51	
				For Backdraft Damper, Add	78.03	
				For Damper Motor, Add	108.91	
23 34 23 00-0012	EA			1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,410.50	208.38
				For 12" Roof Curb, Add	128.51	
				For Backdraft Damper, Add	78.03	
				For Damper Motor, Add	108.91	
23 34 23 00-0013	EA			3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,802.76	258.06
				For 12" Roof Curb, Add	154.98	
				For Backdraft Damper, Add	96.26	
				For Damper Motor, Add	108.91	
23 34 23 00-0014	EA			1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,386.71	322.57
				For 12" Roof Curb, Add	167.12	
				For Backdraft Damper, Add	104.49	
				For Damper Motor, Add	108.91	
23 34 23 00-0015	EA			1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,146.31	403.21
				For 12" Roof Curb, Add	185.87	
				For Backdraft Damper, Add	115.70	
				For Damper Motor, Add	108.91	
23 34 23 00-0016	EA			2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,172.78	403.21
				For 12" Roof Curb, Add	185.87	
				For Backdraft Damper, Add	115.70	
				For Damper Motor, Add	108.91	
23 34 23 00-0017	EA			3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,458.51	403.21
				For 12" Roof Curb, Add	185.87	
				For Backdraft Damper, Add	115.70	
				For Damper Motor, Add	108.91	
23 34 23 00-0018	EA			5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,475.78	403.21
				For 12" Roof Curb, Add	185.87	
				For Backdraft Damper, Add	115.70	
				For Damper Motor, Add	108.91	
23 34 23 00-0019				Propeller Exhaust Fans, Roof Mounted Upblast (23 34 23 00-0001) Note: Includes back draft damper and birdscreen and curb.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0020	EA		30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure	4,551.68	496.11
23 34 23 00-0021	EA		36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure	7,464.38	644.94
23 34 23 00-0022			Belt Drive Supply Fans (23 34 23 00-0001)		
23 34 23 00-0023	EA		4,500 CFM, 24" x 24" Supply Fan, Roof Mounted	1,796.54	257.60
23 34 23 00-0024	EA		10,000 CFM, 36" x 36" Supply Fan, Roof Mounted	2,428.86	322.50
23 34 23 00-0025			Fan Thermostat (23 34 23 00-0001)		
23 34 23 00-0026	EA		50 To 120 Degree Line Voltage Fan Thermostat.....	77.79	
23 34 23 00-0027			Power Wall Ventilators (23 34 23)		
23 34 23 00-0028			Centrifugal Sidewall Exhausters (23 34 23 00-0027)		
23 34 23 00-0029			Direct Drive, Aluminum, Centrifugal Sidewall Exhauster (23 34 23 00-0028)		
			Note: Greenheck CW.		
23 34 23 00-0030	EA		1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	532.15	103.87
			For Solid State Speed Control, Add	96.40	
			For Backdraft Damper, Add	83.13	
			For Damper Motor, Add	179.26	
			For Interior Wall Grill, Add	72.65	
23 34 23 00-0031	EA		1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	609.71	121.93
			For Solid State Speed Control, Add	96.40	
			For Backdraft Damper, Add	92.36	
			For Damper Motor, Add	179.26	
			For Interior Wall Grill, Add	86.53	
23 34 23 00-0032	EA		1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	930.00	137.42
			For Solid State Speed Control, Add	96.40	
			For Backdraft Damper, Add	104.57	
			For Damper Motor, Add	179.26	
			For Interior Wall Grill, Add	100.41	
23 34 23 00-0033			Belt Drive, Aluminum, Centrifugal Sidewall Exhausters (23 34 23 00-0028)		
			Note: Greenheck CWB.		
23 34 23 00-0034	EA		1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,363.49	77.75
			For Solid State Speed Control, Add	96.40	
			For Backdraft Damper, Add	98.39	
			For Damper Motor, Add	179.26	
			For Interior Wall Grill, Add	152.90	
23 34 23 00-0035	EA		1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,440.46	87.55
			For Solid State Speed Control, Add	96.40	
			For Backdraft Damper, Add	98.39	
			For Damper Motor, Add	179.26	
			For Interior Wall Grill, Add	152.90	
23 34 23 00-0036	EA		3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,769.06	100.16
			For Solid State Speed Control, Add	96.40	
			For Backdraft Damper, Add	122.35	
			For Damper Motor, Add	179.26	
			For Interior Wall Grill, Add	177.82	
23 34 33			Air Curtains (23 34)		
23 34 33 00-0001			Unheated Air Curtains For Entrances (23 34 33)		
23 34 33 00-0002			Unheated Air Curtains, Standard Velocity (23 34 33 00-0001)		
23 34 33 00-0003	EA		Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated.....	1,573.62	472.89
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
			For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	271.95	
			For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	202.02	
			For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	310.80	
			For Flat Side Extension Plates, Add	122.38	
			For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0004	EA		Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated.....	1,598.82	472.89
			Note: Includes housing, mounting brackets and manual controls.		
			For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
			For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	271.95	
			For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	202.02	
			For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	310.80	
			For Flat Side Extension Plates, Add	122.38	
			For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0005 EA Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated.....	1,626.12	472.89
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	99.90	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	271.95	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	202.02	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	310.80	
<i>For Flat Side Extension Plates, Add</i>	122.38	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	244.76	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	293.71	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	310.02	
23 34 33 00-0006 EA Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated.....	2,077.62	472.89
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	99.90	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	271.95	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	202.02	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	310.80	
<i>For Flat Side Extension Plates, Add</i>	122.38	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	244.76	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	293.71	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	310.02	
23 34 33 00-0007 EA Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated.....	2,342.78	567.72
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	99.90	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	271.95	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	202.02	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	310.80	
<i>For Flat Side Extension Plates, Add</i>	122.38	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	244.76	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	293.71	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	310.02	
23 34 33 00-0008 EA Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated.....	2,500.28	567.72
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	99.90	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	271.95	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	202.02	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	310.80	
<i>For Flat Side Extension Plates, Add</i>	122.38	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	244.76	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	293.71	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	310.02	
23 34 33 00-0009 EA Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated.....	2,758.62	654.82
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	99.90	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	271.95	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	202.02	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	310.80	
<i>For Flat Side Extension Plates, Add</i>	122.38	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	244.76	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	293.71	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	310.02	
23 34 33 00-0010 EA Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated.....	3,387.57	654.82
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	99.90	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	271.95	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	202.02	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	310.80	
<i>For Flat Side Extension Plates, Add</i>	122.38	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	244.76	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	293.71	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	310.02	
23 34 33 00-0011 EA Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated.....	3,467.37	654.82
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	99.90	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	271.95	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	202.02	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	310.80	
<i>For Flat Side Extension Plates, Add</i>	122.38	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	244.76	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	293.71	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	310.02	
23 34 33 00-0012 EA Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated.....	3,679.47	654.82
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	99.90	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	271.95	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	202.02	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	310.80	
<i>For Flat Side Extension Plates, Add</i>	122.38	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	244.76	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	293.71	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	310.02	

23 34 33 00-0013 Unheated Air Curtains, High Velocity (23 34 33 00-0001)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0014 EA High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated.....	1,991.52	472.89
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	244.76	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0015 EA High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated.....	2,024.07	472.89
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	244.76	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0016 EA High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated.....	2,037.72	472.89
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	244.76	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0017 EA High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated.....	2,063.97	472.89
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	244.76	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0018 EA High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated.....	3,300.38	567.72
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	244.76	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0019 EA High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated.....	3,462.08	567.72
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	244.76	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0020 EA High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated.....	3,660.57	654.82
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	244.76	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0021 EA High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated.....	4,220.22	654.82
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	244.76	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0022 EA High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated.....	4,279.02	654.82
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	244.76	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0023 EA High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated.....	4,507.92	654.82
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	244.76	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	

23 34 33 00-0024 Service Window Unheated Air Curtains (23 34 33 00-0001)

Note: Normal window sizes.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0025 EA Air Curtain For 2.5' x 5' Service Window, Unheated Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	1,193.69 99.90 122.38 244.76 293.71 310.02	372.89
23 34 33 00-0026 Heated Air Curtains For Entrances <small>(23 34 33)</small> Note: Includes housing, mounting brackets and manual controls.		
23 34 33 00-0027 EA 60" Heated Air Curtain With 1- 300 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,013.33 99.90 122.38 244.76 293.71 310.02	416.43
23 34 33 00-0028 EA 60" Heated Air Curtain With 1- 400 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,304.03 99.90 122.38 244.76 293.71 310.02	416.43
23 34 33 00-0029 EA 72" Heated Air Curtain With 1- 350 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,615.58 99.90 122.38 244.76 293.71 310.02	499.66
23 34 33 00-0030 EA 72" Heated Air Curtain With 2- 250 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,964.42 99.90 122.38 244.76 293.71 310.02	499.66
23 34 33 00-0031 EA 96" Heated Air Curtain With 1- 400 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,820.23 99.90 122.38 244.76 293.71 310.02	666.11
23 34 33 00-0032 EA 96" Heated Air Curtain With 2- 350 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	5,285.35 99.90 122.38 244.76 293.71 310.02	666.11
23 34 33 00-0033 EA 117" Heated Air Curtain With 2- 300 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	5,874.07 99.90 122.38 244.76 293.71 310.02	811.58
23 34 33 00-0034 EA 117" Heated Air Curtain With 2- 400 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	6,440.93 99.90 122.38 244.76 293.71 310.02	811.58
23 34 33 00-0035 EA 147" Heated Air Curtain With 2- 350 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	7,380.60 99.90 122.38 244.76 293.71 310.02	1,019.64
23 34 33 00-0036 EA 147" Heated Air Curtain With 3- 350 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	8,790.50 99.90 122.38 244.76 293.71 310.02	1,019.64
23 34 33 00-0037 EA 168" Heated Air Curtain With 2- 400 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	8,435.39 99.90 122.38 244.76 293.71 310.02	1,165.44
23 34 33 00-0038 EA 168" Heated Air Curtain With 3- 400 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	10,046.35 99.90 122.38 244.76 293.71 310.02	1,165.44

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0039 EA 192" Heated Air Curtain With 2- 400 MBH Heaters	9,638.26	1,331.89
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0040 EA 192" Heated Air Curtain With 4- 350 MBH Heaters	11,479.36	1,331.89
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	

23 35 Special Exhaust Systems (23 30)**23 35 13 Dust Collection Systems (23 35)****23 35 13 00-0001 Dust Collector System (23 35 13)**

23 35 13 00-0002 EA 1.5 HP Dust Collector Central Vacuum Unit	2,400.10	560.31
Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 00-0003 EA 2 HP Dust Collector Central Vacuum Unit	2,698.60	665.37
Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 00-0004 EA 2-1/2 HP Dust Collector Central Vacuum Unit	3,236.16	770.43
Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 00-0005 EA 3 HP Dust Collector Central Vacuum Unit	3,697.85	910.51
Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 00-0006 EA 5 HP Dust Collector Central Vacuum Unit	7,613.85	1,041.13
Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.		
23 35 13 00-0007 EA 7-1/2 HP Dust Collector Central Vacuum Unit	9,226.47	1,214.65
Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.		
23 35 13 00-0008 EA 10 HP Dust Collector Central Vacuum Unit	10,567.86	1,388.17
Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.		
23 35 13 00-0009 EA 15 HP Dust Collector Central Vacuum Unit	11,891.03	1,596.40
Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.		
23 35 13 00-0010 EA 20 HP Dust Collector Central Vacuum Unit	13,273.93	1,804.62
Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.		

23 35 13 00-0011 Vacuum Tubing And Accessories (23 35 13)**23 35 13 00-0012 Vacuum Tubing (23 35 13 00-0011)****23 35 13 00-0013 Flexible Hose (23 35 13 00-0012)**

23 35 13 00-0014 LF 2" Flexible Hose	6.69	1.16
23 35 13 00-0015 LF 3" Flexible Hose	7.99	1.29
23 35 13 00-0016 LF 4" Flexible Hose	8.68	1.42

23 35 13 00-0017 Galvanized Vacuum Tubing (23 35 13 00-0012)

23 35 13 00-0018 LF 2-1/8" Outside Diameter Vacuum Tubing, Galvanized	5.02	1.16
23 35 13 00-0019 LF 2-1/2" Outside Diameter Vacuum Tubing, Galvanized	5.59	1.23
23 35 13 00-0020 LF 3" Outside Diameter Vacuum Tubing, Galvanized	6.54	1.29
23 35 13 00-0021 LF 3-1/2" Outside Diameter Vacuum Tubing, Galvanized	8.33	1.35
23 35 13 00-0022 LF 4" Outside Diameter Vacuum Tubing, Galvanized	8.58	1.42
23 35 13 00-0023 LF 5" Outside Diameter Vacuum Tubing, Galvanized	13.77	1.61
23 35 13 00-0024 LF 6" Outside Diameter Vacuum Tubing, Galvanized	15.52	1.87
23 35 13 00-0025 LF 8" Outside Diameter Vacuum Tubing, Galvanized	21.05	2.58
23 35 13 00-0026 LF 10" Outside Diameter Vacuum Tubing, Galvanized	24.78	3.23
23 35 13 00-0027 LF 12" Outside Diameter Vacuum Tubing, Galvanized	59.53	4.26

23 35 13 00-0028 Vacuum Fittings, Galvanized (23 35 13 00-0011)**23 35 13 00-0029 Reducer (23 35 13 00-0028)**

23 35 13 00-0030 EA 3" Reducer, Vacuum Tubing, Galvanized	27.63	8.64
23 35 13 00-0031 EA 4" Reducer, Vacuum Tubing, Galvanized	30.60	9.35
23 35 13 00-0032 EA 5" Reducer, Vacuum Tubing, Galvanized	37.71	10.32
23 35 13 00-0033 EA 6" Reducer, Vacuum Tubing, Galvanized	40.89	11.48
23 35 13 00-0034 EA 8" Reducer, Vacuum Tubing, Galvanized	47.52	12.90

23 35 13 00-0035 90 Degree Elbow (23 35 13 00-0011)

23 35 13 00-0036 EA 2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized	26.18	7.42
23 35 13 00-0037 EA 2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	31.66	7.94
23 35 13 00-0038 EA 3" 90 Degree Elbow, Vacuum Tubing, Galvanized	38.69	8.64
23 35 13 00-0039 EA 3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	45.17	9.35
23 35 13 00-0040 EA 4" 90 Degree Elbow, Vacuum Tubing, Galvanized	53.29	10.32
23 35 13 00-0041 EA 5" 90 Degree Elbow, Vacuum Tubing, Galvanized	84.68	11.48
23 35 13 00-0042 EA 6" 90 Degree Elbow, Vacuum Tubing, Galvanized	110.99	12.90
23 35 13 00-0043 EA 8" 90 Degree Elbow, Vacuum Tubing, Galvanized	195.56	17.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 00-0044 45 Degree Elbow <small>(23 35 13 00-0011)</small>		
23 35 13 00-0045 EA 2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized	24.81	7.42
23 35 13 00-0046 EA 2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	30.53	7.94
23 35 13 00-0047 EA 3" 45 Degree Elbow, Vacuum Tubing, Galvanized	34.89	8.64
23 35 13 00-0048 EA 3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	40.89	9.35
23 35 13 00-0049 EA 4" 45 Degree Elbow, Vacuum Tubing, Galvanized	49.34	10.32
23 35 13 00-0050 EA 5" 45 Degree Elbow, Vacuum Tubing, Galvanized	70.97	11.48
23 35 13 00-0051 EA 6" 45 Degree Elbow, Vacuum Tubing, Galvanized	90.82	12.90
23 35 13 00-0052 EA 8" 45 Degree Elbow, Vacuum Tubing, Galvanized	161.67	17.23
23 35 13 00-0053 Wye <small>(23 35 13 00-0011)</small>		
23 35 13 00-0054 EA 2-1/8" Wye, Vacuum Tubing, Galvanized	46.81	12.26
23 35 13 00-0055 EA 2-1/2" Wye, Vacuum Tubing, Galvanized	55.27	13.22
23 35 13 00-0056 EA 3" Wye, Vacuum Tubing, Galvanized	66.30	14.19
23 35 13 00-0057 EA 3-1/2" Wye, Vacuum Tubing, Galvanized	79.45	15.81
23 35 13 00-0058 EA 4" Wye, Vacuum Tubing, Galvanized	103.58	17.10
23 35 13 00-0059 EA 5" Wye, Vacuum Tubing, Galvanized	168.82	19.03
23 35 13 00-0060 EA 6" Wye, Vacuum Tubing, Galvanized	221.30	21.62
23 35 13 00-0061 EA 8" Wye, Vacuum Tubing, Galvanized	425.31	23.54
23 35 13 00-0062 EA 10" Wye, Vacuum Tubing, Galvanized	584.78	25.80
23 35 13 00-0063 EA 12" Wye, Vacuum Tubing, Galvanized	736.53	28.90
23 35 13 00-0064 Air Gate Valve, Galvanized <small>(23 35 13 00-0011)</small>		
23 35 13 00-0065 EA 2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized	164.99	17.23
23 35 13 00-0066 EA 2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	173.06	18.39
23 35 13 00-0067 EA 3" Air Gate Valve, Vacuum Tubing, Galvanized	198.11	19.80
23 35 13 00-0068 EA 3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	224.55	21.16
23 35 13 00-0069 EA 4" Air Gate Valve, Vacuum Tubing, Galvanized	252.51	22.45
23 35 13 00-0070 EA 5" Air Gate Valve, Vacuum Tubing, Galvanized	297.57	25.61
23 35 13 00-0071 EA 6" Air Gate Valve, Vacuum Tubing, Galvanized	342.09	28.71
23 35 19 Fume Exhaust <small>(23 35)</small>		
23 35 19 00-0001 EA Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle	1,411.60	257.86
23 35 19 00-0002 EA Hose Extension Kit 5'	233.09	57.28
23 36 Air Terminal Units <small>(23 30)</small>		
23 36 13 Constant-Air-Volume Units <small>(23 36)</small>		
23 36 13 00-0001 Duct Boxes, Constant Volume Control <small>(23 36 13)</small>		
23 36 13 00-0002 Single Duct Boxes, Constant Volume Control <small>(23 36 13 00-0001)</small>		
23 36 13 00-0003 EA 4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control	819.80	26.62
For Boxes With Motor, Add	20.00	
23 36 13 00-0004 EA 6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control	907.47	28.72
For Boxes With Motor, Add	20.00	
23 36 13 00-0005 EA 7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control	942.36	31.52
For Boxes With Motor, Add	20.00	
23 36 13 00-0006 EA 9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control	959.34	32.92
For Boxes With Motor, Add	20.00	
23 36 13 00-0007 EA 12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control	972.92	36.42
For Boxes With Motor, Add	20.00	
23 36 13 00-0008 EA 14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control	1,112.82	40.62
For Boxes With Motor, Add	20.00	
23 36 13 00-0009 EA 16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control	1,166.95	45.52
For Boxes With Motor, Add	20.00	
23 36 13 00-0010 EA 20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control	1,237.09	54.63
For Boxes With Motor, Add	20.00	
23 36 13 00-0011 EA 24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control	1,306.68	63.04
For Boxes With Motor, Add	20.00	
23 36 13 00-0012 Dual Duct Boxes, Constant Volume Control <small>(23 36 13 00-0001)</small>		
23 36 13 00-0013 EA 4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control	1,156.05	26.62
For Boxes With Motor, Add	20.00	
23 36 13 00-0014 EA 6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control	1,236.55	28.72
For Boxes With Motor, Add	20.00	
23 36 13 00-0015 EA 7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control	1,290.14	31.52
For Boxes With Motor, Add	20.00	
23 36 13 00-0016 EA 9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control	1,344.18	32.92
For Boxes With Motor, Add	20.00	
23 36 13 00-0017 EA 12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control	1,357.76	36.42
For Boxes With Motor, Add	20.00	
23 36 13 00-0018 EA 14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control	1,560.61	41.32
For Boxes With Motor, Add	20.00	
23 36 13 00-0019 EA 16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control	1,705.87	45.52
For Boxes With Motor, Add	20.00	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 36 Air Terminal Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 13 00-0020	EA		20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control.....	1,835.97	54.63
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0021	EA		24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control.....	1,915.09	63.04
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 16 Variable-Air-Volume Units (23 36)					
23 36 16 00-0001			Variable Volume Terminal Unit (23 36 16) Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.		
23 36 16 00-0002			Single Duct Variable Volume Terminal Unit (23 36 16 00-0001) Note: Enclosure only. For mounting DDC controls.		
23 36 16 00-0003	EA		6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	231.69	32.21
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0004	EA		8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	260.48	36.42
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0005	EA		10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	291.16	40.62
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0006	EA		12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	314.76	45.52
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0007	EA		14" Diameter Inlet, 450 - 3,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	429.44	97.98
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0008	EA		16" Diameter Inlet, 580 - 4,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	547.10	116.26
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0009			Single Duct Variable Volume Terminal Unit (23 36 16 00-0001) Note: With pneumatic controls.		
23 36 16 00-0010	EA		6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller	414.71	32.21
			<i>For Fan Powered Variable Air Volume Box, Add</i>	381.74	
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Pressure Independent Actuator, Add</i>	67.57	
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0011	EA		8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller	452.09	36.42
			<i>For Fan Powered Variable Air Volume Box, Add</i>	409.62	
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Pressure Independent Actuator, Add</i>	67.57	
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0012	EA		10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller	479.47	40.62
			<i>For Fan Powered Variable Air Volume Box, Add</i>	423.67	
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Pressure Independent Actuator, Add</i>	67.57	
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0013	EA		12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller	506.37	45.52
			<i>For Fan Powered Variable Air Volume Box, Add</i>	436.93	
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Pressure Independent Actuator, Add</i>	67.57	
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0014	EA		14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller.....	603.21	97.98
			<i>For Fan Powered Variable Air Volume Box, Add</i>	493.74	
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Pressure Independent Actuator, Add</i>	67.57	
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0015	EA		16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller.....	735.41	116.26
			<i>For Fan Powered Variable Air Volume Box, Add</i>	543.32	
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Pressure Independent Actuator, Add</i>	67.57	
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0016			Single Duct Variable Volume Terminal Unit (23 36 16 00-0001) Note: With analog electronic controls.		
23 36 16 00-0017	EA		6" Diameter Inlet, 60 - 500 CFM, Variable Air Volume Box With analog electronic controls	642.67	32.21
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0018	EA		8" Diameter Inlet, 105 - 900 CFM, Variable Air Volume Box With analog electronic controls	674.76	36.42
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0019	EA		10" Diameter Inlet, 165 - 1,400 CFM, Variable Air Volume Box With analog electronic controls	705.45	40.62
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0020	EA		12" Diameter Inlet, 235 - 2,000 CFM, Variable Air Volume Box With analog electronic controls	744.90	45.52
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0021	EA		14" Diameter Inlet, 320 - 3,000 CFM, Variable Air Volume Box With analog electronic controls	842.40	97.98
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0022	EA		16" Diameter Inlet, 420 - 4,000 CFM, Variable Air Volume Box With analog electronic controls	855.61	97.98
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0023			Dual Duct Variable Volume Terminal Unit (23 36 16 00-0001) Note: With flow control installation, plenum system power box, thermostat.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0024 EA 6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	460.99 6.30	63.66
23 36 16 00-0025 EA 8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	507.01 6.30	72.49
23 36 16 00-0026 EA 10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	547.13 6.30	81.88
23 36 16 00-0027 EA 12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	601.61 6.30	91.33
23 36 16 00-0028 EA 14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	678.72 6.30	105.06
23 36 16 00-0029 EA 16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	756.24 6.30	126.07
23 36 16 00-0030 Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) <small>(23 36 16 00-0001)</small>		
23 36 16 00-0031 EA 0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A)..... <i>For Filters And Frames, Add</i>	328.14 6.30	43.78
23 36 16 00-0032 EA 0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B)..... <i>For Filters And Frames, Add</i>	356.37 6.30	48.15
23 36 16 00-0033 EA 0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C)..... <i>For Filters And Frames, Add</i>	385.34 6.30	52.53
23 36 16 00-0034 EA 0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D)..... <i>For Filters And Frames, Add</i>	415.11 6.30	56.91
23 36 16 00-0035 EA 0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E)..... <i>For Filters And Frames, Add</i>	445.76 6.30	61.28
23 36 16 00-0036 EA 0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F)..... <i>For Filters And Frames, Add</i>	477.31 6.30	65.66
23 36 16 00-0037 EA 0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G)..... <i>For Filters And Frames, Add</i>	512.36 6.30	70.04
23 36 16 00-0038 EA 0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H)..... <i>For Filters And Frames, Add</i>	546.13 6.30	74.42
23 36 16 00-0039 EA 0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J)..... <i>For Filters And Frames, Add</i>	581.04 6.30	78.80
23 36 16 00-0040 EA 0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K)..... <i>For Filters And Frames, Add</i>	617.15 6.30	83.17
23 36 16 00-0041 EA 0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L)..... <i>For Filters And Frames, Add</i>	654.59 6.30	87.55
23 36 16 00-0042 EA 0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)..... <i>For Filters And Frames, Add</i>	693.39 6.30	91.92
23 36 16 00-0043 EA 0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N)..... <i>For Filters And Frames, Add</i>	733.69 6.30	96.31
23 36 16 00-0044 EA 0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P)..... <i>For Filters And Frames, Add</i>	772.15 6.30	100.68
23 36 16 00-0045 EA 0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R)..... <i>For Filters And Frames, Add</i>	815.51 6.30	105.06
23 37 Air Outlets And Inlets <small>(23 30)</small>		
23 37 13 Diffusers, Registers, And Grilles <small>(23 37)</small>		
23 37 13 00-0001 Wall And Floor Diffusers <small>(23 37 13)</small>		
23 37 13 00-0002 Slot Type Linear Diffusers <small>(23 37 13 00-0001)</small>		
Note: For sidewall sill or ceiling 1/2" 3/4" or 1" slot spacing 1-1/8" border.		
23 37 13 00-0003 LF 1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling..... <i>For 3/4" Border, Add</i> <i>For Floor Mounted Diffusers, Add</i> <i>For Stainless Steel, Add</i>	30.29 3.90 4.67 20.25	3.50
23 37 13 00-0004 LF 2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling..... <i>For 3/4" Border, Add</i> <i>For Floor Mounted Diffusers, Add</i> <i>For Stainless Steel, Add</i>	36.87 5.19 6.23 27.00	4.20
23 37 13 00-0005 LF 3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling..... <i>For 3/4" Border, Add</i> <i>For Floor Mounted Diffusers, Add</i> <i>For Stainless Steel, Add</i>	50.94 8.18 9.82 42.54	4.90
23 37 13 00-0006 LF 4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling..... <i>For 3/4" Border, Add</i> <i>For Floor Mounted Diffusers, Add</i> <i>For Stainless Steel, Add</i>	67.04 11.69 14.02 60.76	4.90
23 37 13 00-0007 LF 5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling..... <i>For 3/4" Border, Add</i> <i>For Floor Mounted Diffusers, Add</i> <i>For Stainless Steel, Add</i>	83.90 15.19 18.23 79.00	5.61
23 37 13 00-0008 LF 6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling..... <i>For 3/4" Border, Add</i> <i>For Floor Mounted Diffusers, Add</i> <i>For Stainless Steel, Add</i>	98.27 17.92 21.50 93.17	7.01
23 37 13 00-0009 Linear Bar Grilles And Registers <small>(23 37 13 00-0001)</small>		
Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0010 LF 2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	91.41	4.20
For Floor Mount, Add	7.53	
For Opposed Blade Damper, Add	15.06	
For Stainless Steel, Add	97.90	
23 37 13 00-0011 LF 3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling.....	109.11	4.90
For Floor Mount, Add	9.09	
For Opposed Blade Damper, Add	18.18	
For Stainless Steel, Add	118.16	
23 37 13 00-0012 LF 4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling.....	118.98	4.90
For Floor Mount, Add	9.87	
For Opposed Blade Damper, Add	19.74	
For Stainless Steel, Add	128.28	
23 37 13 00-0013 LF 6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling.....	146.05	7.01
For Floor Mount, Add	11.95	
For Opposed Blade Damper, Add	23.89	
For Stainless Steel, Add	155.29	
23 37 13 00-0014 LF 9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling.....	201.91	9.10
For Floor Mount, Add	16.62	
For Opposed Blade Damper, Add	33.24	
For Stainless Steel, Add	216.06	
23 37 13 00-0015 LF 12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling.....	233.05	10.51
For Floor Mount, Add	18.96	
For Opposed Blade Damper, Add	37.91	
For Stainless Steel, Add	246.44	
23 37 13 00-0016 Ceiling Diffusers <small>(23 37 13)</small>		
23 37 13 00-0017 Ceiling Diffusers With Perforated Face <small>(23 37 13 00-0016)</small>		
Note: Flush mount, aluminum construction, includes damper.		
23 37 13 00-0018 EA 6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	66.35	9.10
For Steel Construction, Deduct	-4.55	
For Surface Mount, Deduct	-3.64	
For Diffuser Without Damper, Deduct	-6.07	
For Stainless Steel, Add	75.83	
23 37 13 00-0019 EA 8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	73.09	9.10
For Steel Construction, Deduct	-5.56	
For Surface Mount, Deduct	-4.45	
For Diffuser Without Damper, Deduct	-7.41	
For Stainless Steel, Add	92.68	
23 37 13 00-0020 EA 9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	73.09	9.10
For Steel Construction, Deduct	-5.56	
For Surface Mount, Deduct	-4.45	
For Diffuser Without Damper, Deduct	-7.41	
For Stainless Steel, Add	92.68	
23 37 13 00-0021 EA 10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	87.85	11.20
For Steel Construction, Deduct	-6.66	
For Surface Mount, Deduct	-5.32	
For Diffuser Without Damper, Deduct	-8.87	
For Stainless Steel, Add	110.93	
23 37 13 00-0022 EA 12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	87.85	10.51
For Steel Construction, Deduct	-6.66	
For Surface Mount, Deduct	-5.32	
For Diffuser Without Damper, Deduct	-8.87	
For Stainless Steel, Add	110.93	
23 37 13 00-0023 EA 16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	100.21	10.51
For Steel Construction, Deduct	-8.51	
For Surface Mount, Deduct	-6.81	
For Diffuser Without Damper, Deduct	-11.35	
For Stainless Steel, Add	141.83	
23 37 13 00-0024 EA 18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	115.58	14.00
For Steel Construction, Deduct	-9.15	
For Surface Mount, Deduct	-7.32	
For Diffuser Without Damper, Deduct	-12.20	
For Stainless Steel, Add	152.50	
23 37 13 00-0025 EA 20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	133.47	14.71
For Steel Construction, Deduct	-11.42	
For Surface Mount, Deduct	-9.14	
For Diffuser Without Damper, Deduct	-15.23	
For Stainless Steel, Add	190.40	
23 37 13 00-0026 EA 24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	151.41	16.81
For Steel Construction, Deduct	-12.71	
For Surface Mount, Deduct	-10.16	
For Lay-In Mount, Deduct	-10.16	
For Diffuser Without Damper, Deduct	-16.94	
For Stainless Steel, Add	211.75	
23 37 13 00-0027 Ceiling Diffusers With Louver Face <small>(23 37 13 00-0016)</small>		
Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.		
23 37 13 00-0028 EA 6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	68.60	9.10
For Steel Construction, Deduct	-4.89	
For Flush Mount, Add	4.89	
For Stainless Steel, Add	81.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0029 EA 8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	77.36	9.10
<i>For Steel Construction, Deduct</i>	-6.20	
<i>For Flush Mount, Add</i>	6.20	
<i>For Stainless Steel, Add</i>	103.35	
23 37 13 00-0030 EA 9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	77.36	9.10
<i>For Steel Construction, Deduct</i>	-6.20	
<i>For Flush Mount, Add</i>	6.20	
<i>For Stainless Steel, Add</i>	103.35	
23 37 13 00-0031 EA 10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	92.91	10.51
<i>For Steel Construction, Deduct</i>	-7.41	
<i>For Flush Mount, Add</i>	7.41	
<i>For Stainless Steel, Add</i>	123.58	
23 37 13 00-0032 EA 12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	92.91	11.20
<i>For Steel Construction, Deduct</i>	-7.41	
<i>For Flush Mount, Add</i>	7.41	
<i>For Stainless Steel, Add</i>	123.58	
23 37 13 00-0033 EA 24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	119.52	14.00
<i>For Steel Construction, Deduct</i>	-9.71	
<i>For Flush Mount, Add</i>	9.71	
<i>For Stainless Steel, Add</i>	161.78	
23 37 13 00-0034 EA 14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	107.61	14.00
<i>For Steel Construction, Deduct</i>	-7.92	
<i>For Flush Mount, Add</i>	7.92	
<i>For Stainless Steel, Add</i>	132.00	
23 37 13 00-0035 EA 18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	134.09	16.81
<i>For Steel Construction, Deduct</i>	-10.16	
<i>For Flush Mount, Add</i>	10.16	
<i>For Stainless Steel, Add</i>	169.35	
23 37 13 00-0036 EA 21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	154.21	18.91
<i>For Steel Construction, Deduct</i>	-12.64	
<i>For Flush Mount, Add</i>	12.64	
<i>For Stainless Steel, Add</i>	210.63	
23 37 13 00-0037 EA 24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	168.19	37.05
<i>For Steel Construction, Deduct</i>	-14.10	
<i>For Flush Mount, Add</i>	14.10	
<i>For Lay-In Mount, Add</i>	18.81	
<i>For Stainless Steel, Add</i>	235.08	
23 37 13 00-0038 Round Ceiling Diffusers With Fixed Pattern <small>(23 37 13 00-0016)</small>		
Note: Aluminum construction.		
23 37 13 00-0039 EA 6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	108.94	9.10
<i>For Steel Construction, Deduct</i>	-21.88	
<i>For Stainless Steel, Add</i>	182.30	
23 37 13 00-0040 EA 8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	112.68	9.10
<i>For Steel Construction, Deduct</i>	-23.00	
<i>For Stainless Steel, Add</i>	191.65	
23 37 13 00-0041 EA 10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	127.62	11.20
<i>For Steel Construction, Deduct</i>	-25.24	
<i>For Stainless Steel, Add</i>	210.35	
23 37 13 00-0042 EA 12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	136.96	10.51
<i>For Steel Construction, Deduct</i>	-28.04	
<i>For Stainless Steel, Add</i>	233.70	
23 37 13 00-0043 EA 14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	194.40	12.60
<i>For Steel Construction, Deduct</i>	-43.19	
<i>For Stainless Steel, Add</i>	359.93	
23 37 13 00-0044 EA 16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	204.91	13.31
<i>For Steel Construction, Deduct</i>	-45.71	
<i>For Stainless Steel, Add</i>	380.95	
23 37 13 00-0045 EA 18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	215.60	14.00
<i>For Steel Construction, Deduct</i>	-48.24	
<i>For Stainless Steel, Add</i>	401.98	
23 37 13 00-0046 EA 20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	248.43	14.00
<i>For Steel Construction, Deduct</i>	-57.34	
<i>For Stainless Steel, Add</i>	477.80	
23 37 13 00-0047 EA 24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	295.71	16.11
<i>For Steel Construction, Deduct</i>	-69.80	
<i>For Stainless Steel, Add</i>	581.68	
23 37 13 00-0048 EA 28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	332.26	16.81
<i>For Steel Construction, Deduct</i>	-79.77	
<i>For Stainless Steel, Add</i>	664.78	
23 37 13 00-0049 EA 32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	396.16	18.91
<i>For Steel Construction, Deduct</i>	-96.60	
<i>For Stainless Steel, Add</i>	805.00	
23 37 13 00-0050 Round Ceiling Diffusers With Adjustable Pattern Dropped Style <small>(23 37 13 00-0016)</small>		
Note: Aluminum construction.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0051 EA 6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	114.55	9.10
For Steel Construction, Deduct	-7.85	
For Flush Mount, Deduct	-3.93	
For Stainless Steel, Add	196.33	
23 37 13 00-0052 EA 8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	124.21	9.10
For Steel Construction, Deduct	-8.82	
For Flush Mount, Deduct	-4.41	
For Stainless Steel, Add	220.48	
23 37 13 00-0053 EA 10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	141.12	11.20
For Steel Construction, Deduct	-9.76	
For Flush Mount, Deduct	-4.88	
For Stainless Steel, Add	244.10	
23 37 13 00-0054 EA 12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	151.92	11.20
For Steel Construction, Deduct	-10.84	
For Flush Mount, Deduct	-5.42	
For Stainless Steel, Add	271.10	
23 37 13 00-0055 EA 14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	218.70	12.60
For Steel Construction, Deduct	-16.83	
For Flush Mount, Deduct	-8.41	
For Stainless Steel, Add	420.68	
23 37 13 00-0056 EA 16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	185.05	13.31
For Steel Construction, Deduct	-17.98	
For Flush Mount, Deduct	-8.99	
For Stainless Steel, Add	449.50	
23 37 13 00-0057 EA 18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	246.14	14.00
For Steel Construction, Deduct	-19.13	
For Flush Mount, Deduct	-9.57	
For Stainless Steel, Add	478.33	
23 37 13 00-0058 EA 20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	284.79	14.71
For Steel Construction, Deduct	-22.75	
For Flush Mount, Deduct	-11.37	
For Stainless Steel, Add	568.70	
23 37 13 00-0059 EA 24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	321.47	16.11
For Steel Construction, Deduct	-25.84	
For Flush Mount, Deduct	-12.92	
For Stainless Steel, Add	646.08	
23 37 13 00-0060 EA 28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	388.35	16.81
For Steel Construction, Deduct	-32.20	
For Flush Mount, Deduct	-16.10	
For Stainless Steel, Add	805.00	
23 37 13 00-0061 EA 32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	467.00	18.91
For Steel Construction, Deduct	-39.28	
For Flush Mount, Deduct	-19.64	
For Stainless Steel, Add	982.10	
23 37 13 00-0062 EA 36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	516.94	39.43
For Steel Construction, Deduct	-39.28	
For Flush Mount, Deduct	-19.64	
For Stainless Steel, Add	982.10	
	1,095.35	
23 37 13 00-0063 Linear Type Ceiling Diffusers With 2-Way Air Deflection (23 37 13 00-0016)		
23 37 13 00-0064 LF 4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection.....	89.20	10.51
For Stainless Steel, Add	117.95	
23 37 13 00-0065 LF 6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection.....	95.62	10.51
For Stainless Steel, Add	134.00	
23 37 13 00-0066 LF 9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection.....	103.51	10.51
For Stainless Steel, Add	153.73	
23 37 13 00-0067 LF 12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection.....	111.20	10.51
For Stainless Steel, Add	172.95	
23 37 13 00-0068 Return/Exhaust Registers And Grilles (23 37 13)		
23 37 13 00-0069 Return/Exhaust Registers With Frame (23 37 13 00-0068)		
Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.		
23 37 13 00-0070 EA 8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	63.55	5.61
For Steel Construction, Deduct	-8.36	
For Grilles (No Damper), Deduct	-16.72	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	4.18	
For Cube Core Lay In, Add	8.36	
For Stainless Steel, Add	104.53	
23 37 13 00-0071 EA 8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	72.64	5.61
For Steel Construction, Deduct	-10.18	
For Grilles (No Damper), Deduct	-20.36	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	5.09	
For Cube Core Lay In, Add	10.18	
For Stainless Steel, Add	127.25	
23 37 13 00-0072 EA 10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	81.57	6.30
For Steel Construction, Deduct	-11.27	
For Grilles (No Damper), Deduct	-22.54	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	5.64	
For Cube Core Lay In, Add	11.27	
For Stainless Steel, Add	140.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0073 EA 10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	85.67	7.01
For Steel Construction, Deduct	-11.27	
For Grilles (No Damper), Deduct	-22.54	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	5.64	
For Cube Core Lay In, Add	11.27	
For Stainless Steel, Add	140.88	
23 37 13 00-0074 EA 12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	82.03	7.01
For Steel Construction, Deduct	-10.54	
For Grilles (No Damper), Deduct	-21.08	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	5.27	
For Cube Core Lay In, Add	10.54	
For Stainless Steel, Add	131.78	
23 37 13 00-0075 EA 12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	105.10	9.10
For Steel Construction, Deduct	-13.82	
For Grilles (No Damper), Deduct	-27.63	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	6.91	
For Cube Core Lay In, Add	13.82	
For Stainless Steel, Add	172.70	
23 37 13 00-0076 EA 16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	125.95	10.51
For Steel Construction, Deduct	-16.49	
For Grilles (No Damper), Deduct	-32.99	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	8.25	
For Cube Core Lay In, Add	16.49	
For Stainless Steel, Add	206.18	
23 37 13 00-0077 EA 18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	154.04	12.60
For Steel Construction, Deduct	-20.72	
For Grilles (No Damper), Deduct	-41.44	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	10.36	
For Cube Core Lay In, Add	20.72	
For Stainless Steel, Add	259.03	
23 37 13 00-0078 EA 20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	180.28	14.00
For Steel Construction, Deduct	-25.09	
For Grilles (No Damper), Deduct	-50.19	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	12.55	
For Cube Core Lay In, Add	25.09	
For Stainless Steel, Add	313.68	
23 37 13 00-0079 EA 24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	162.25	14.00
For Steel Construction, Deduct	-20.99	
For Grilles (No Damper), Deduct	-41.98	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	10.49	
For Cube Core Lay In, Add	20.99	
For Stainless Steel, Add	262.35	
23 37 13 00-0080 EA 24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	184.55	14.00
For Steel Construction, Deduct	-25.45	
For Grilles (No Damper), Deduct	-50.90	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	12.72	
For Cube Core Lay In, Add	25.45	
For Stainless Steel, Add	318.10	
23 37 13 00-0081 EA 24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	194.92	16.11
For Steel Construction, Deduct	-26.38	
For Grilles (No Damper), Deduct	-52.75	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	13.19	
For Cube Core Lay In, Add	26.38	
For Stainless Steel, Add	329.70	
23 37 13 00-0082 EA 30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	206.51	16.81
For Steel Construction, Deduct	-28.03	
For Grilles (No Damper), Deduct	-56.06	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	14.02	
For Cube Core Lay In, Add	28.03	
For Stainless Steel, Add	350.40	
23 37 13 00-0083 EA 30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	237.75	18.91
For Steel Construction, Deduct	-32.72	
For Grilles (No Damper), Deduct	-65.44	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	16.36	
For Cube Core Lay In, Add	32.72	
For Stainless Steel, Add	408.98	
23 37 13 00-0084 EA 30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	267.09	22.41
For Steel Construction, Deduct	-35.41	
For Grilles (No Damper), Deduct	-70.82	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	17.70	
For Cube Core Lay In, Add	35.41	
For Stainless Steel, Add	442.60	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0085 EA 30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	344.06	22.41
For Steel Construction, Deduct	-50.80	
For Grilles (No Damper), Deduct	-101.60	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	25.40	
For Cube Core Lay In, Add	50.80	
For Stainless Steel, Add	635.03	
23 37 13 00-0086 EA 36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	288.22	24.51
For Steel Construction, Deduct	-38.25	
For Grilles (No Damper), Deduct	-76.50	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	19.13	
For Cube Core Lay In, Add	38.25	
For Stainless Steel, Add	478.13	
23 37 13 00-0087 EA 36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	280.91	23.82
For Steel Construction, Deduct	-36.79	
For Grilles (No Damper), Deduct	-73.58	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	18.39	
For Cube Core Lay In, Add	36.79	
For Stainless Steel, Add	459.85	
23 37 13 00-0088 EA 36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	319.27	26.62
For Steel Construction, Deduct	-42.84	
For Grilles (No Damper), Deduct	-85.68	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	21.42	
For Cube Core Lay In, Add	42.84	
For Stainless Steel, Add	535.53	
23 37 13 00-0089 EA 36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	429.88	28.72
For Steel Construction, Deduct	-63.05	
For Grilles (No Damper), Deduct	-126.11	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	31.53	
For Cube Core Lay In, Add	63.05	
For Stainless Steel, Add	788.18	
23 37 13 00-0090 EA 24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	192.20	16.18
For Steel Construction, Deduct	-25.51	
For Grilles (No Damper), Deduct	-51.02	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	12.76	
For Cube Core Lay In, Add	25.51	
For Stainless Steel, Add	318.90	
23 37 13 00-0091 EA 32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	347.62	28.64
For Steel Construction, Deduct	-46.60	
For Grilles (No Damper), Deduct	-93.20	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	23.30	
For Cube Core Lay In, Add	46.60	
For Stainless Steel, Add	582.53	
23 37 13 00-0092 EA 48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	372.44	28.02
For Steel Construction, Deduct	-53.48	
For Grilles (No Damper), Deduct	-106.95	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	26.74	
For Cube Core Lay In, Add	53.48	
For Stainless Steel, Add	668.45	
23 37 13 00-0093 Return/Exhaust Registers Removable-Reversible <small>(23 37 13 00-0068)</small>		
Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.		
23 37 13 00-0094 EA 8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	58.82	5.61
For Steel Construction, Deduct	-3.71	
For Flat Frame, Deduct	-0.37	
For Grilles (No Damper), Deduct	-7.42	
For Stainless Steel, Add	92.70	
23 37 13 00-0095 EA 8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	58.82	5.61
For Steel Construction, Deduct	-3.71	
For Flat Frame, Deduct	-0.37	
For Grilles (No Damper), Deduct	-7.42	
For Stainless Steel, Add	92.70	
23 37 13 00-0096 EA 10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	72.12	6.30
For Steel Construction, Deduct	-4.69	
For Flat Frame, Deduct	-0.47	
For Grilles (No Damper), Deduct	-9.38	
For Stainless Steel, Add	117.25	
23 37 13 00-0097 EA 10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	82.76	7.70
For Steel Construction, Deduct	-5.34	
For Flat Frame, Deduct	-0.53	
For Grilles (No Damper), Deduct	-10.69	
For Stainless Steel, Add	133.60	
23 37 13 00-0098 EA 12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	81.67	7.01
For Steel Construction, Deduct	-5.24	
For Flat Frame, Deduct	-0.52	
For Grilles (No Damper), Deduct	-10.47	
For Stainless Steel, Add	130.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0099 EA 12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	105.82	9.10
<i>For Steel Construction, Deduct</i>	-6.98	
<i>For Flat Frame, Deduct</i>	-0.70	
<i>For Grilles (No Damper), Deduct</i>	-13.96	
<i>For Stainless Steel, Add</i>	174.50	
23 37 13 00-0100 EA 16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	169.63	11.20
<i>For Steel Construction, Deduct</i>	-12.62	
<i>For Flat Frame, Deduct</i>	-1.26	
<i>For Grilles (No Damper), Deduct</i>	-25.23	
<i>For Stainless Steel, Add</i>	315.38	
23 37 13 00-0101 EA 18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	204.21	12.60
<i>For Steel Construction, Deduct</i>	-15.38	
<i>For Flat Frame, Deduct</i>	-1.54	
<i>For Grilles (No Damper), Deduct</i>	-30.76	
<i>For Stainless Steel, Add</i>	384.45	
23 37 13 00-0102 EA 20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	230.41	14.00
<i>For Steel Construction, Deduct</i>	-17.56	
<i>For Flat Frame, Deduct</i>	-1.76	
<i>For Grilles (No Damper), Deduct</i>	-35.12	
<i>For Stainless Steel, Add</i>	439.00	
23 37 13 00-0103 EA 24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	192.55	14.00
<i>For Steel Construction, Deduct</i>	-13.52	
<i>For Flat Frame, Deduct</i>	-1.35	
<i>For Grilles (No Damper), Deduct</i>	-27.05	
<i>For Stainless Steel, Add</i>	338.10	
23 37 13 00-0104 EA 24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	257.99	14.71
<i>For Steel Construction, Deduct</i>	-20.07	
<i>For Flat Frame, Deduct</i>	-2.01	
<i>For Grilles (No Damper), Deduct</i>	-40.14	
<i>For Stainless Steel, Add</i>	501.70	
23 37 13 00-0105 EA 24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	300.80	16.11
<i>For Steel Construction, Deduct</i>	-23.78	
<i>For Flat Frame, Deduct</i>	-2.38	
<i>For Grilles (No Damper), Deduct</i>	-47.55	
<i>For Stainless Steel, Add</i>	594.40	
23 37 13 00-0106 EA 30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	232.13	16.81
<i>For Steel Construction, Deduct</i>	-16.58	
<i>For Flat Frame, Deduct</i>	-1.66	
<i>For Grilles (No Damper), Deduct</i>	-33.16	
<i>For Stainless Steel, Add</i>	414.45	
23 37 13 00-0107 EA 30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	318.47	18.91
<i>For Steel Construction, Deduct</i>	-24.43	
<i>For Flat Frame, Deduct</i>	-2.44	
<i>For Grilles (No Damper), Deduct</i>	-48.86	
<i>For Stainless Steel, Add</i>	610.78	
23 37 13 00-0108 EA 30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	383.44	22.41
<i>For Steel Construction, Deduct</i>	-29.34	
<i>For Flat Frame, Deduct</i>	-2.93	
<i>For Grilles (No Damper), Deduct</i>	-58.68	
<i>For Stainless Steel, Add</i>	733.48	
23 37 13 00-0109 EA 30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	438.51	22.41
<i>For Steel Construction, Deduct</i>	-34.85	
<i>For Flat Frame, Deduct</i>	-3.48	
<i>For Grilles (No Damper), Deduct</i>	-69.69	
<i>For Stainless Steel, Add</i>	871.15	
23 37 13 00-0110 EA 36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	300.92	23.82
<i>For Steel Construction, Deduct</i>	-20.40	
<i>For Flat Frame, Deduct</i>	-2.04	
<i>For Grilles (No Damper), Deduct</i>	-40.79	
<i>For Stainless Steel, Add</i>	509.88	
23 37 13 00-0111 EA 36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	405.63	23.82
<i>For Steel Construction, Deduct</i>	-30.87	
<i>For Flat Frame, Deduct</i>	-3.09	
<i>For Grilles (No Damper), Deduct</i>	-61.73	
<i>For Stainless Steel, Add</i>	771.65	
23 37 13 00-0112 EA 36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	469.34	26.62
<i>For Steel Construction, Deduct</i>	-36.43	
<i>For Flat Frame, Deduct</i>	-3.64	
<i>For Grilles (No Damper), Deduct</i>	-72.86	
<i>For Stainless Steel, Add</i>	910.70	
23 37 13 00-0113 EA 36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	548.15	28.72
<i>For Steel Construction, Deduct</i>	-43.35	
<i>For Flat Frame, Deduct</i>	-4.34	
<i>For Grilles (No Damper), Deduct</i>	-86.71	
<i>For Stainless Steel, Add</i>	1,083.85	
23 37 13 00-0114 EA 36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	578.68	28.72
<i>For Steel Construction, Deduct</i>	-46.41	
<i>For Flat Frame, Deduct</i>	-4.64	
<i>For Grilles (No Damper), Deduct</i>	-92.81	
<i>For Stainless Steel, Add</i>	1,160.18	
23 37 13 00-0115 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles (23 37 13 00-0068)		
23 37 13 00-0116 EA 6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	32.26	6.84
23 37 13 00-0117 EA 8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	32.26	6.84
23 37 13 00-0118 EA 8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	34.90	6.84

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets And Inlets



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0119	EA		8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	35.95	6.84
23 37 13 00-0120	EA		10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	34.90	6.84
23 37 13 00-0121	EA		10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	35.95	6.84
23 37 13 00-0122	EA		10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	43.45	8.97
23 37 13 00-0123	EA		10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	44.51	8.97
23 37 13 00-0124	EA		12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	42.39	8.97
23 37 13 00-0125	EA		12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	44.51	8.97
23 37 13 00-0126	EA		12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	45.56	8.97
23 37 13 00-0127	EA		12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	46.62	8.97
23 37 13 00-0128	EA		14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	45.03	8.97
23 37 13 00-0129	EA		14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	47.14	8.97
23 37 13 00-0130	EA		14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	48.20	8.97
23 37 13 00-0131	EA		14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	52.95	8.97
23 37 13 00-0132	EA		16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	47.14	8.97
23 37 13 00-0133	EA		16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	50.84	8.97
23 37 13 00-0134	EA		16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	52.95	8.97
23 37 13 00-0135	EA		16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	68.49	13.22
23 37 13 00-0136	EA		16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	69.54	13.22
23 37 13 00-0137	EA		18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	67.43	13.22
23 37 13 00-0138	EA		18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	82.34	15.35
23 37 13 00-0139	EA		20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	66.38	13.22
23 37 13 00-0140	EA		20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	87.61	15.35
23 37 13 00-0141	EA		22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	46.09	8.97
23 37 13 00-0142	EA		22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	67.43	13.22
23 37 13 00-0143	EA		22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	98.29	17.48
23 37 13 00-0144	EA		24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	66.38	13.22
23 37 13 00-0145	EA		24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	68.49	13.22
23 37 13 00-0146	EA		24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	79.17	15.35
			<i>For Lay-In Installation, Deduct</i>	-32.42	
23 37 13 00-0147	EA		24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	82.34	15.35
23 37 13 00-0148	EA		24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	91.95	17.48
23 37 13 00-0149	EA		24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	95.12	17.48
23 37 13 00-0150	EA		24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	98.81	17.48
23 37 13 00-0151	EA		24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	105.68	17.48
			<i>For Lay-In Installation, Deduct</i>	-37.12	
23 37 13 00-0152	EA		30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	80.75	15.35
23 37 13 00-0153	EA		48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	129.31	19.17
23 37 13 00-0154	EA		48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	218.73	23.42
			<i>For Lay-In Installation, Deduct</i>	-53.42	
23 37 13 00-0155			Supply Registers and Grilles <small>(23 37 13)</small>		
23 37 13 00-0156			Adjustable Curved Blade Register <small>(23 37 13 00-0155)</small>		
			Note: Ceiling mount aluminum construction four way pattern flush frame.		
23 37 13 00-0157	EA		6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	53.48	5.61
			<i>For Steel Construction, Deduct</i>	-4.77	
			<i>For Lay In Frame, Deduct</i>	-7.95	
			<i>For Three Way Pattern, Deduct</i>	-3.18	
			<i>For Two Way Pattern, Deduct</i>	-2.54	
			<i>For One Way Pattern, Deduct</i>	-2.54	
			<i>For Grille (No Damper), Deduct</i>	-4.77	
			<i>For Stainless Steel, Add</i>	79.45	
23 37 13 00-0158	EA		8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	55.35	5.61
			<i>For Steel Construction, Deduct</i>	-5.05	
			<i>For Lay In Frame, Deduct</i>	-8.41	
			<i>For Three Way Pattern, Deduct</i>	-3.37	
			<i>For Two Way Pattern, Deduct</i>	-2.69	
			<i>For One Way Pattern, Deduct</i>	-2.69	
			<i>For Grille (No Damper), Deduct</i>	-5.05	
			<i>For Stainless Steel, Add</i>	84.13	
23 37 13 00-0159	EA		12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	61.17	7.70
			<i>For Steel Construction, Deduct</i>	-4.77	
			<i>For Lay In Frame, Deduct</i>	-7.95	
			<i>For Three Way Pattern, Deduct</i>	-3.18	
			<i>For Two Way Pattern, Deduct</i>	-2.54	
			<i>For One Way Pattern, Deduct</i>	-2.54	
			<i>For Grille (No Damper), Deduct</i>	-4.77	
			<i>For Stainless Steel, Add</i>	79.45	
23 37 13 00-0160	EA		10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	68.03	7.01
			<i>For Steel Construction, Deduct</i>	-5.80	
			<i>For Lay In Frame, Deduct</i>	-9.66	
			<i>For Three Way Pattern, Deduct</i>	-3.86	
			<i>For Two Way Pattern, Deduct</i>	-3.09	
			<i>For One Way Pattern, Deduct</i>	-3.09	
			<i>For Grille (No Damper), Deduct</i>	-5.80	
			<i>For Stainless Steel, Add</i>	96.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0161 EA 12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	81.83	9.10
For Steel Construction, Deduct	-6.92	
For Lay In Frame, Deduct	-11.53	
For Three Way Pattern, Deduct	-4.61	
For Two Way Pattern, Deduct	-3.69	
For One Way Pattern, Deduct	-3.69	
For Grille (No Damper), Deduct	-6.92	
For Stainless Steel, Add	115.30	
23 37 13 00-0162 EA 14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	100.82	10.51
For Steel Construction, Deduct	-8.60	
For Lay In Frame, Deduct	-14.34	
For Three Way Pattern, Deduct	-5.73	
For Two Way Pattern, Deduct	-4.59	
For One Way Pattern, Deduct	-4.59	
For Grille (No Damper), Deduct	-8.60	
For Stainless Steel, Add	143.35	
23 37 13 00-0163 EA 16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	100.82	10.51
For Steel Construction, Deduct	-8.60	
For Lay In Frame, Deduct	-14.34	
For Three Way Pattern, Deduct	-5.73	
For Two Way Pattern, Deduct	-4.59	
For One Way Pattern, Deduct	-4.59	
For Grille (No Damper), Deduct	-8.60	
For Stainless Steel, Add	143.35	
23 37 13 00-0164 EA 18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	124.38	14.00
For Steel Construction, Deduct	-10.47	
For Lay In Frame, Deduct	-17.45	
For Three Way Pattern, Deduct	-6.98	
For Two Way Pattern, Deduct	-5.58	
For One Way Pattern, Deduct	-5.58	
For Grille (No Damper), Deduct	-10.47	
For Stainless Steel, Add	174.50	
23 37 13 00-0165 EA 24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	162.64	14.71
For Steel Construction, Deduct	-15.80	
For Lay In Frame, Deduct	-26.33	
For Three Way Pattern, Deduct	-10.53	
For Two Way Pattern, Deduct	-8.43	
For One Way Pattern, Deduct	-8.43	
For Grille (No Damper), Deduct	-15.80	
For Stainless Steel, Add	263.33	
23 37 13 00-0166 EA 30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	261.64	29.69
For Steel Construction, Deduct	-30.34	
For Lay In Frame, Deduct	-50.56	
For Three Way Pattern, Deduct	-20.22	
For Two Way Pattern, Deduct	-16.18	
For One Way Pattern, Deduct	-16.18	
For Grille (No Damper), Deduct	-30.34	
For Stainless Steel, Add	505.60	
23 37 13 00-0167 Removable-Reversible Core Registers <small>(23 37 13 00-0156)</small>		
Note: Double deflection radiused frame aluminum construction.		
23 37 13 00-0168 EA 6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	61.59	5.61
For Steel Construction, Deduct	-3.99	
For Flat Frame, Deduct	-3.99	
For Grille (No Damper), Deduct	-11.97	
For Stainless Steel, Add	99.73	
23 37 13 00-0169 EA 8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	77.79	5.61
For Steel Construction, Deduct	-5.61	
For Flat Frame, Deduct	-5.61	
For Grille (No Damper), Deduct	-16.83	
For Stainless Steel, Add	140.23	
23 37 13 00-0170 EA 12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	99.19	7.70
For Steel Construction, Deduct	-6.98	
For Flat Frame, Deduct	-6.98	
For Grille (No Damper), Deduct	-20.94	
For Stainless Steel, Add	174.50	
23 37 13 00-0171 EA 10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	100.44	7.70
For Steel Construction, Deduct	-7.11	
For Flat Frame, Deduct	-7.11	
For Grille (No Damper), Deduct	-21.32	
For Stainless Steel, Add	177.63	
23 37 13 00-0172 EA 12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	127.95	9.10
For Steel Construction, Deduct	-9.22	
For Flat Frame, Deduct	-9.22	
For Grille (No Damper), Deduct	-27.67	
For Stainless Steel, Add	230.60	
23 37 13 00-0173 EA 14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	181.84	11.20
For Steel Construction, Deduct	-13.84	
For Flat Frame, Deduct	-13.84	
For Grille (No Damper), Deduct	-41.51	
For Stainless Steel, Add	345.90	
23 37 13 00-0174 EA 16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	204.27	10.51
For Steel Construction, Deduct	-16.08	
For Flat Frame, Deduct	-16.08	
For Grille (No Damper), Deduct	-48.24	
For Stainless Steel, Add	401.98	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0175 EA 18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	246.54	14.00
For Steel Construction, Deduct	-19.20	
For Flat Frame, Deduct	-19.20	
For Grille (No Damper), Deduct	-57.59	
For Stainless Steel, Add	479.90	
23 37 13 00-0176 EA 24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	310.34	14.00
For Steel Construction, Deduct	-25.30	
For Flat Frame, Deduct	-25.30	
For Grille (No Damper), Deduct	-75.91	
For Stainless Steel, Add	632.58	
23 37 13 00-0177 Adjustable Shutter Blade Registers (23 37 13 00-0155)		
Note: Double deflection flat frame aluminum construction.		
23 37 13 00-0178 EA 6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	94.41	5.61
For Steel Construction, Deduct	-7.27	
For Single Deflection, Deduct	-14.54	
For Grille (No Damper), Deduct	-10.91	
For Stainless Steel, Add	181.78	
23 37 13 00-0179 EA 8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	108.95	5.61
For Steel Construction, Deduct	-8.73	
For Single Deflection, Deduct	-17.45	
For Grille (No Damper), Deduct	-13.09	
For Stainless Steel, Add	218.13	
23 37 13 00-0180 EA 12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	116.64	7.70
For Steel Construction, Deduct	-8.73	
For Single Deflection, Deduct	-17.45	
For Grille (No Damper), Deduct	-13.09	
For Stainless Steel, Add	218.13	
23 37 13 00-0181 EA 10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	120.80	7.01
For Steel Construction, Deduct	-9.14	
For Single Deflection, Deduct	-18.28	
For Grille (No Damper), Deduct	-13.71	
For Stainless Steel, Add	228.53	
23 37 13 00-0182 EA 12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	147.89	9.10
For Steel Construction, Deduct	-11.22	
For Single Deflection, Deduct	-22.44	
For Grille (No Damper), Deduct	-16.83	
For Stainless Steel, Add	280.45	
23 37 13 00-0183 EA 14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	197.21	10.51
For Steel Construction, Deduct	-15.37	
For Single Deflection, Deduct	-30.75	
For Grille (No Damper), Deduct	-23.06	
For Stainless Steel, Add	384.33	
23 37 13 00-0184 EA 16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	232.53	11.20
For Steel Construction, Deduct	-18.91	
For Single Deflection, Deduct	-37.81	
For Grille (No Damper), Deduct	-28.36	
For Stainless Steel, Add	472.63	
23 37 13 00-0185 EA 18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	287.25	14.00
For Steel Construction, Deduct	-23.27	
For Single Deflection, Deduct	-46.53	
For Grille (No Damper), Deduct	-34.90	
For Stainless Steel, Add	581.68	
23 37 13 00-0186 EA 24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	395.93	14.71
For Steel Construction, Deduct	-33.86	
For Single Deflection, Deduct	-67.72	
For Grille (No Damper), Deduct	-50.79	
For Stainless Steel, Add	846.55	
23 37 13 00-0187 Air Conditioning And Ventilation (23 37 13 00-0155)		
23 37 13 00-0188 EA 10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	42.75	14.71
For Stainless Steel, Add	33.40	
23 37 13 00-0189 EA 18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	70.50	21.89
For Stainless Steel, Add	66.80	
23 37 13 00-0190 EA 30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	105.81	30.64
For Stainless Steel, Add	111.33	
23 37 13 00-0191 EA 48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	231.00	42.02
For Stainless Steel, Add	367.38	
23 37 13 00-0192 Security Supply Or Return Grille (23 37 13 00-0155)		
Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.		
23 37 13 00-0193 EA 8" x 4" Steel Security Grille	139.29	10.51
For Anchoring Tabs, Add	11.83	
For Angle Iron Frame, Add	19.84	
For Rear Operated Opposed Blade Damper, Add	43.50	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	29.57	
For Stainless Steel, Add	153.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0194 EA 8" x 6" Steel Security Grille	154.34	10.85
For Anchoring Tabs, Add	13.26	
For Angle Iron Frame, Add	22.07	
For Rear Operated Opposed Blade Damper, Add	48.59	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	33.16	
For Stainless Steel, Add	172.41	
23 37 13 00-0195 EA 8" x 8" Steel Security Grille	176.85	12.26
For Anchoring Tabs, Add	15.23	
For Angle Iron Frame, Add	25.30	
For Rear Operated Opposed Blade Damper, Add	55.77	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	38.08	
For Stainless Steel, Add	198.03	
23 37 13 00-0196 EA 10" x 4" Steel Security Grille	154.64	11.91
For Anchoring Tabs, Add	13.08	
For Angle Iron Frame, Add	22.01	
For Rear Operated Opposed Blade Damper, Add	48.17	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	32.71	
For Stainless Steel, Add	170.07	
23 37 13 00-0197 EA 10" x 6" Steel Security Grille	165.01	12.61
For Anchoring Tabs, Add	13.98	
For Angle Iron Frame, Add	23.49	
For Rear Operated Opposed Blade Damper, Add	51.45	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	34.95	
For Stainless Steel, Add	181.73	
23 37 13 00-0198 EA 10" x 8" Steel Security Grille	188.61	13.66
For Anchoring Tabs, Add	16.13	
For Angle Iron Frame, Add	26.93	
For Rear Operated Opposed Blade Damper, Add	59.18	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	40.32	
For Stainless Steel, Add	209.68	
23 37 13 00-0199 EA 10" x 10" Steel Security Grille	210.42	14.72
For Anchoring Tabs, Add	18.10	
For Angle Iron Frame, Add	30.09	
For Rear Operated Opposed Blade Damper, Add	66.29	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	45.25	
For Stainless Steel, Add	235.30	
23 37 13 00-0200 EA 12" x 4" Steel Security Grille	162.82	13.31
For Anchoring Tabs, Add	13.62	
For Angle Iron Frame, Add	23.09	
For Rear Operated Opposed Blade Damper, Add	50.33	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	34.05	
For Stainless Steel, Add	177.06	
23 37 13 00-0201 EA 12" x 6" Steel Security Grille	181.75	14.72
For Anchoring Tabs, Add	15.23	
For Angle Iron Frame, Add	25.79	
For Rear Operated Opposed Blade Damper, Add	56.26	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	38.08	
For Stainless Steel, Add	198.03	
23 37 13 00-0202 EA 12" x 8" Steel Security Grille	207.16	15.76
For Anchoring Tabs, Add	17.56	
For Angle Iron Frame, Add	29.50	
For Rear Operated Opposed Blade Damper, Add	64.62	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	43.91	
For Stainless Steel, Add	228.32	
23 37 13 00-0203 EA 12" x 10" Steel Security Grille	225.38	16.81
For Anchoring Tabs, Add	19.18	
For Angle Iron Frame, Add	32.13	
For Rear Operated Opposed Blade Damper, Add	70.48	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	47.94	
For Stainless Steel, Add	249.29	
23 37 13 00-0204 EA 12" x 12" Steel Security Grille	248.99	17.87
For Anchoring Tabs, Add	21.33	
For Angle Iron Frame, Add	35.56	
For Rear Operated Opposed Blade Damper, Add	78.21	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	53.32	
For Stainless Steel, Add	277.24	
23 37 13 00-0205 EA 14" x 4" Steel Security Grille	173.88	14.36
For Anchoring Tabs, Add	14.52	
For Angle Iron Frame, Add	24.65	
For Rear Operated Opposed Blade Damper, Add	53.68	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	36.29	
For Stainless Steel, Add	188.71	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37	13 00-0206	EA	14" x 6" Steel Security Grille	195.69	15.41
			<i>For Anchoring Tabs, Add</i>	16.49	
			<i>For Angle Iron Frame, Add</i>	27.81	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	60.79	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	41.22	
			<i>For Stainless Steel, Add</i>	214.33	
23 37	13 00-0207	EA	14" x 8" Steel Security Grille	218.21	16.81
			<i>For Anchoring Tabs, Add</i>	18.46	
			<i>For Angle Iron Frame, Add</i>	31.05	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	67.97	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	46.15	
			<i>For Stainless Steel, Add</i>	239.97	
23 37	13 00-0208	EA	14" x 10" Steel Security Grille	246.11	18.21
			<i>For Anchoring Tabs, Add</i>	20.97	
			<i>For Angle Iron Frame, Add</i>	35.10	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	77.03	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	52.42	
			<i>For Stainless Steel, Add</i>	272.58	
23 37	13 00-0209	EA	14" x 12" Steel Security Grille	271.11	19.97
			<i>For Anchoring Tabs, Add</i>	23.12	
			<i>For Angle Iron Frame, Add</i>	38.67	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	84.91	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	57.80	
			<i>For Stainless Steel, Add</i>	300.53	
23 37	13 00-0210	EA	14" x 14" Steel Security Grille	291.83	21.37
			<i>For Anchoring Tabs, Add</i>	24.91	
			<i>For Angle Iron Frame, Add</i>	41.64	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	91.46	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	62.28	
			<i>For Stainless Steel, Add</i>	323.83	
23 37	13 00-0211	EA	16" x 6" Steel Security Grille	209.25	16.81
			<i>For Anchoring Tabs, Add</i>	17.56	
			<i>For Angle Iron Frame, Add</i>	29.71	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	64.83	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	43.91	
			<i>For Stainless Steel, Add</i>	228.32	
23 37	13 00-0212	EA	16" x 8" Steel Security Grille	238.94	18.21
			<i>For Anchoring Tabs, Add</i>	20.25	
			<i>For Angle Iron Frame, Add</i>	34.02	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	74.52	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	50.63	
			<i>For Stainless Steel, Add</i>	263.26	
23 37	13 00-0213	EA	16" x 10" Steel Security Grille	257.87	19.61
			<i>For Anchoring Tabs, Add</i>	21.86	
			<i>For Angle Iron Frame, Add</i>	36.72	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	80.45	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	54.66	
			<i>For Stainless Steel, Add</i>	284.23	
23 37	13 00-0214	EA	16" x 12" Steel Security Grille	290.43	20.67
			<i>For Anchoring Tabs, Add</i>	24.91	
			<i>For Angle Iron Frame, Add</i>	41.50	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	91.32	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	62.28	
			<i>For Stainless Steel, Add</i>	323.83	
23 37	13 00-0215	EA	16" x 14" Steel Security Grille	307.58	22.07
			<i>For Anchoring Tabs, Add</i>	26.34	
			<i>For Angle Iron Frame, Add</i>	43.93	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	96.62	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	65.86	
			<i>For Stainless Steel, Add</i>	342.47	
23 37	13 00-0216	EA	16" x 16" Steel Security Grille	333.68	23.47
			<i>For Anchoring Tabs, Add</i>	28.67	
			<i>For Angle Iron Frame, Add</i>	47.71	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	105.05	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	71.69	
			<i>For Stainless Steel, Add</i>	372.76	
23 37	13 00-0217	EA	18" x 6" Steel Security Grille	222.42	18.92
			<i>For Anchoring Tabs, Add</i>	18.46	
			<i>For Angle Iron Frame, Add</i>	31.47	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	68.39	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	46.15	
			<i>For Stainless Steel, Add</i>	239.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0218 EA 18" x 8" Steel Security Grille	253.89	20.32
For Anchoring Tabs, Add	21.33	
For Angle Iron Frame, Add	36.05	
For Rear Operated Opposed Blade Damper, Add	78.70	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	53.32	
For Stainless Steel, Add	277.24	
23 37 13 00-0219 EA 18" x 10" Steel Security Grille	278.20	21.72
For Anchoring Tabs, Add	23.48	
For Angle Iron Frame, Add	39.56	
For Rear Operated Opposed Blade Damper, Add	86.51	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	58.69	
For Stainless Steel, Add	305.20	
23 37 13 00-0220 EA 18" x 12" Steel Security Grille	306.10	23.12
For Anchoring Tabs, Add	25.99	
For Angle Iron Frame, Add	43.60	
For Rear Operated Opposed Blade Damper, Add	95.58	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	64.97	
For Stainless Steel, Add	337.82	
23 37 13 00-0221 EA 18" x 14" Steel Security Grille	326.90	22.77
For Anchoring Tabs, Add	28.14	
For Angle Iron Frame, Add	46.76	
For Rear Operated Opposed Blade Damper, Add	103.03	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	70.34	
For Stainless Steel, Add	365.77	
23 37 13 00-0222 EA 18" x 16" Steel Security Grille	357.68	23.82
For Anchoring Tabs, Add	31.00	
For Angle Iron Frame, Add	51.27	
For Rear Operated Opposed Blade Damper, Add	113.28	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	77.51	
For Stainless Steel, Add	403.05	
23 37 13 00-0223 EA 18" x 18" Steel Security Grille	383.07	24.87
For Anchoring Tabs, Add	33.33	
For Angle Iron Frame, Add	54.97	
For Rear Operated Opposed Blade Damper, Add	121.64	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	83.33	
For Stainless Steel, Add	433.33	
23 37 13 00-0224 EA 20" x 6" Steel Security Grille	238.46	20.67
For Anchoring Tabs, Add	19.71	
For Angle Iron Frame, Add	33.70	
For Rear Operated Opposed Blade Damper, Add	73.13	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	49.28	
For Stainless Steel, Add	256.27	
23 37 13 00-0225 EA 20" x 8" Steel Security Grille	269.55	22.77
For Anchoring Tabs, Add	22.40	
For Angle Iron Frame, Add	38.16	
For Rear Operated Opposed Blade Damper, Add	82.96	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	56.00	
For Stainless Steel, Add	291.21	
23 37 13 00-0226 EA 20" x 10" Steel Security Grille	296.74	23.82
For Anchoring Tabs, Add	24.91	
For Angle Iron Frame, Add	42.13	
For Rear Operated Opposed Blade Damper, Add	91.95	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	62.28	
For Stainless Steel, Add	323.83	
23 37 13 00-0227 EA 20" x 12" Steel Security Grille	326.42	25.22
For Anchoring Tabs, Add	27.60	
For Angle Iron Frame, Add	46.44	
For Rear Operated Opposed Blade Damper, Add	101.64	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	69.00	
For Stainless Steel, Add	358.79	
23 37 13 00-0228 EA 20" x 14" Steel Security Grille	358.99	26.28
For Anchoring Tabs, Add	30.65	
For Angle Iron Frame, Add	51.22	
For Rear Operated Opposed Blade Damper, Add	112.51	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	76.61	
For Stainless Steel, Add	398.39	
23 37 13 00-0229 EA 20" x 16" Steel Security Grille	387.97	27.32
For Anchoring Tabs, Add	33.33	
For Angle Iron Frame, Add	55.46	
For Rear Operated Opposed Blade Damper, Add	122.13	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	83.33	
For Stainless Steel, Add	433.33	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0230	EA		20" x 18" Steel Security Grille	415.16	28.37
			For Anchoring Tabs, Add	35.84	
			For Angle Iron Frame, Add	59.44	
			For Rear Operated Opposed Blade Damper, Add	131.12	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	89.61	
			For Stainless Steel, Add	465.95	
23 37 13 00-0231	EA		20" x 20" Steel Security Grille	447.73	29.42
			For Anchoring Tabs, Add	38.89	
			For Angle Iron Frame, Add	64.22	
			For Rear Operated Opposed Blade Damper, Add	142.00	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	97.22	
			For Stainless Steel, Add	505.56	
23 37 13 00-0232	EA		24" x 6" Steel Security Grille	264.87	23.12
			For Anchoring Tabs, Add	21.86	
			For Angle Iron Frame, Add	37.42	
			For Rear Operated Opposed Blade Damper, Add	81.15	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	54.66	
			For Stainless Steel, Add	284.23	
23 37 13 00-0233	EA		24" x 8" Steel Security Grille	299.53	25.22
			For Anchoring Tabs, Add	24.91	
			For Angle Iron Frame, Add	42.41	
			For Rear Operated Opposed Blade Damper, Add	92.23	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	62.28	
			For Stainless Steel, Add	323.83	
23 37 13 00-0234	EA		24" x 10" Steel Security Grille	327.83	25.92
			For Anchoring Tabs, Add	27.60	
			For Angle Iron Frame, Add	46.58	
			For Rear Operated Opposed Blade Damper, Add	101.78	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	69.00	
			For Stainless Steel, Add	358.79	
23 37 13 00-0235	EA		24" x 12" Steel Security Grille	367.48	28.72
			For Anchoring Tabs, Add	31.00	
			For Angle Iron Frame, Add	52.25	
			For Rear Operated Opposed Blade Damper, Add	114.26	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	77.51	
			For Stainless Steel, Add	403.05	
23 37 13 00-0236	EA		24" x 14" Steel Security Grille	396.47	29.77
			For Anchoring Tabs, Add	33.69	
			For Angle Iron Frame, Add	56.49	
			For Rear Operated Opposed Blade Damper, Add	123.88	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	84.23	
			For Stainless Steel, Add	438.00	
23 37 13 00-0237	EA		24" x 16" Steel Security Grille	432.61	30.82
			For Anchoring Tabs, Add	37.10	
			For Angle Iron Frame, Add	61.81	
			For Rear Operated Opposed Blade Damper, Add	136.00	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	92.74	
			For Stainless Steel, Add	482.26	
23 37 13 00-0238	EA		24" x 18" Steel Security Grille	474.13	31.88
			For Anchoring Tabs, Add	41.04	
			For Angle Iron Frame, Add	67.93	
			For Rear Operated Opposed Blade Damper, Add	150.01	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	102.60	
			For Stainless Steel, Add	533.51	
23 37 13 00-0239	EA		24" x 20" Steel Security Grille	503.12	32.93
			For Anchoring Tabs, Add	43.73	
			For Angle Iron Frame, Add	72.18	
			For Rear Operated Opposed Blade Damper, Add	159.63	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	109.32	
			For Stainless Steel, Add	568.46	
23 37 13 00-0240	EA		24" x 24" Steel Security Grille	564.66	35.03
			For Anchoring Tabs, Add	49.46	
			For Angle Iron Frame, Add	81.20	
			For Rear Operated Opposed Blade Damper, Add	180.12	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	123.66	
			For Stainless Steel, Add	643.01	
23 37 13 00-0241			Square Wall Return Air And Exhaust Grilles (23 37 13 00-0155)		
			Note: Egg crate design aluminum construction.		
23 37 13 00-0242	EA		8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	43.06	17.52
23 37 13 00-0243	EA		12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	45.53	17.52
23 37 13 00-0244	EA		18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	67.98	26.28
23 37 13 00-0245	EA		24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	80.33	26.28
23 37 13 00-0246	EA		28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	125.64	35.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0247 EA 36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	200.29	35.02
23 37 13 00-0248 Rectangular Four-Way Adjustable Deflection Wall Supply Grilles (23 37 13 00-0155)		
Note: Aluminum construction.		
23 37 13 00-0249 EA 12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	136.59	12.61
23 37 13 00-0250 EA 14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	155.29	12.61
23 37 13 00-0251 EA 18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	186.93	14.01
23 37 13 00-0252 EA 24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	220.15	14.01
23 37 13 00-0253 EA 36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	284.18	43.78
23 37 13 00-0254 Square Ceiling Return Air And Exhaust Grilles (23 37 13 00-0155)		
Note: Egg crate design, plastic construction.		
23 37 13 00-0255 EA 24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	26.95	8.38
23 37 13 00-0256 EA 24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	38.53	8.45
23 37 13 00-0257 Door Grilles Sight Proof Inverted Vee Cross Section (23 37 13 00-0155)		
Note: Painted steel louvers and frame.		
23 37 13 00-0258 EA 12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	76.79	12.61
23 37 13 00-0259 EA 12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	97.12	12.61
23 37 13 00-0260 EA 18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	119.97	13.31
23 37 13 00-0261 EA 24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	163.60	15.90
23 37 13 00-0262 EA 24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	181.96	29.22
23 37 13 00-0263 Stainless Steel Devices (23 37 13 00-0155)		
23 37 13 00-0264 304 Stainless Steel, Louvered Partition/Door Grilles (23 37 13 00-0263)		
23 37 13 00-0265 SF Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	157.80	10.93
For 316 Stainless Steel, Add		27.92
23 37 13 00-0266 SF >4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	132.33	10.93
For 316 Stainless Steel, Add		22.82
23 37 13 00-0267 304 Stainless Steel, Single Deflection Supply Grilles (23 37 13 00-0263)		
23 37 13 00-0268 SF Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille	118.21	10.93
For 316 Stainless Steel, Add		20.00
23 37 13 00-0269 SF >4 SF, 304 Stainless Steel, Single Deflection Supply Grille	99.69	10.93
For 316 Stainless Steel, Add		16.30
23 37 13 00-0270 304 Stainless Steel, Double Deflection Supply Grilles (23 37 13 00-0263)		
23 37 13 00-0271 SF Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille	175.51	10.93
For 316 Stainless Steel, Add		31.46
23 37 13 00-0272 SF >4 SF, 304 Stainless Steel, Double Deflection Supply Grille	148.77	10.93
For 316 Stainless Steel, Add		26.11
23 37 13 00-0273 304 Stainless Steel Return Grilles (23 37 13 00-0263)		
23 37 13 00-0274 SF Up To 4 SF, 304 Stainless Steel Return Grille	118.21	10.93
For 316 Stainless Steel, Add		20.00
23 37 13 00-0275 SF >4 SF, 304 Stainless Steel Return Grille	99.69	10.93
For 316 Stainless Steel, Add		16.30
23 37 13 00-0276 304 Stainless Steel, Louvered Supply/Return Grilles (23 37 13 00-0263)		
23 37 13 00-0277 SF Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	118.21	10.93
For 316 Stainless Steel, Add		20.00
23 37 13 00-0278 SF >4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	99.69	10.93
For 316 Stainless Steel, Add		16.30
23 37 13 00-0279 304 Stainless Steel, Perforated Return Grilles (23 37 13 00-0263)		
23 37 13 00-0280 SF Up To 4 SF, 304 Stainless Steel, Perforated Return Grille	118.21	10.93
For 316 Stainless Steel, Add		20.00
23 37 13 00-0281 SF >4 SF, 304 Stainless Steel, Perforated Return Grille	94.60	10.93
For 316 Stainless Steel, Add		15.28
23 37 13 00-0282 304 Stainless Steel, Perforated Supply Grilles (23 37 13 00-0263)		
23 37 13 00-0283 SF Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille	144.26	10.93
For 316 Stainless Steel, Add		25.21
23 37 13 00-0284 SF >4 SF, 304 Stainless Steel, Perforated Supply Grille	97.31	10.93
For 316 Stainless Steel, Add		15.82
23 37 13 00-0285 304 Stainless Steel, Door Grilles (23 37 13 00-0263)		
23 37 13 00-0286 SF Up To 4 SF, 304 Stainless Steel, Door Grille	218.22	10.93
For 316 Stainless Steel, Add		40.00

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0287 SF >4 SF, 304 Stainless Steel, Door Grille..... <i>For 316 Stainless Steel, Add</i>	181.19 32.60	10.93
23 37 13 00-0288 304 Stainless Steel, Linear Bar Grilles (23 37 13 00-0263)		
23 37 13 00-0289 SF Up To 4 SF, 304 Stainless Steel, Linear Bar Grille..... <i>For 316 Stainless Steel, Add</i>	280.37 52.43	10.93
23 37 13 00-0290 SF >4 SF, 304 Stainless Steel, Linear Bar Grille..... <i>For 316 Stainless Steel, Add</i>	239.28 44.21	10.93
23 37 13 00-0291 304 Stainless Steel, Hinged Filter Grilles (23 37 13 00-0263)		
23 37 13 00-0292 SF Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille..... <i>For 316 Stainless Steel, Add</i>	204.68 37.29	10.93
23 37 13 00-0293 SF >4 SF, 304 Stainless Steel, Hinged Filter Grille..... <i>For 316 Stainless Steel, Add</i>	139.86 24.33	10.93
23 37 13 00-0294 304 Stainless Steel, Opposed Blade Dampers Grilles (23 37 13 00-0263)		
23 37 13 00-0295 SF Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille..... <i>For 316 Stainless Steel, Add</i>	107.80 17.92	10.93
23 37 13 00-0296 SF Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF..... <i>For 316 Stainless Steel, Add</i>	80.83 12.52	10.93
23 37 13 00-0297 304 Stainless Steel, Plaster Frames Replacement (23 37 13 00-0263)		
Note: For frequent replacement.		
23 37 13 00-0298 SF To 4 SF, 304 Stainless Steel, Plaster Frames Replacement..... <i>For 316 Stainless Steel, Add</i>	82.80 12.92	10.93
23 37 13 00-0299 SF >4 SF, 304 Stainless Steel, Plaster Frames Replacement..... <i>For 316 Stainless Steel, Add</i>	41.47 4.65	10.93
23 37 13 00-0300 304 Stainless Steel, Modular Louvered Ceiling Diffusers (23 37 13 00-0263)		
23 37 13 00-0301 SF Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser..... <i>For 316 Stainless Steel, Add</i>	201.55 36.67	10.93
23 37 13 00-0302 SF >4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser..... <i>For 316 Stainless Steel, Add</i>	156.53 27.66	10.93
23 37 13 00-0303 304 Stainless Steel, Latticed Supply/Return Grilles (23 37 13 00-0263)		
23 37 13 00-0304 SF Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille..... <i>For 316 Stainless Steel, Add</i>	67.17 9.79	10.93
23 37 13 00-0305 SF >4 SF, 304 Stainless Steel, Latticed Supply/Return Grille..... <i>For 316 Stainless Steel, Add</i>	67.17 9.79	10.93
23 37 13 00-0306 Removal And Reinstallation Of Distribution Devices (23 37 13)		
Note: Includes storage and cleaning. Excludes ductwork.		
23 37 13 00-0307 EA Removal And Reinstallation Of Variable Air Volume Terminal Unit.....	131.33	
23 37 13 00-0308 EA Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit.....	144.85	
23 37 13 00-0309 EA Removal And Reinstallation Of Lay-in Diffuser/Register/Grille.....	21.71	
23 37 13 00-0310 EA Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille.....	29.40	
23 38 Ventilation Hoods (23 30)		
23 38 13 Commercial-Kitchen Hoods (23 38)		
23 38 13 16 Standard Commercial-Kitchen Hoods (23 38 13)		
23 38 13 16-0001 Commercial Kitchen Hood Ventilation System (23 38 13 16)		
Note: Excludes fire suppression. See CSI section 23 34 16 00-0108 for exhaust and supply fans.		
23 38 13 16-0002 Dry Filter Exhaust Hoods (23 38 13 16-0001)		
Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures.		
23 38 13 16-0003 EA 8' Long x 60" Deep Dry Filter Exhaust Hood.....	4,639.89	560.75
23 38 13 16-0004 EA 8'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	4,843.40	595.80
23 38 13 16-0005 EA 9' Long x 60" Deep Dry Filter Exhaust Hood.....	5,374.72	630.84
23 38 13 16-0006 EA 9'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	5,550.46	665.89
23 38 13 16-0007 EA 10' Long x 60" Deep Dry Filter Exhaust Hood.....	5,758.48	700.93
23 38 13 16-0008 EA 10'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	5,976.43	735.99
23 38 13 16-0009 EA 11' Long x 60" Deep Dry Filter Exhaust Hood.....	6,184.86	771.03
23 38 13 16-0010 EA 11'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	6,398.93	806.08
23 38 13 16-0011 EA 12' Long x 60" Deep Dry Filter Exhaust Hood.....	6,633.67	841.13
23 38 13 16-0012 EA 12'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	6,840.35	876.17
23 38 13 16-0013 EA 13' Long x 60" Deep Dry Filter Exhaust Hood.....	7,016.77	911.22
23 38 13 16-0014 EA 13'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	7,295.12	946.26
23 38 13 16-0015 EA 14' Long x 60" Deep Dry Filter Exhaust Hood.....	8,099.31	981.32
23 38 13 16-0016 EA 14'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	8,325.48	1,016.36
23 38 13 16-0017 EA 15' Long x 60" Deep Dry Filter Exhaust Hood.....	8,619.90	1,051.40
23 38 13 16-0018 EA 15'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	8,849.92	1,086.45



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 38 13 16-0019	EA		16' Long x 60" Deep Dry Filter Exhaust Hood.....	9,179.07	1,121.50
23 38 13 16-0020 Dry Extractor Exhaust Hoods <small>(23 38 13 16-0001)</small>					
Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels.					
23 38 13 16-0021	EA		8' Long x 60" Deep Dry Extractor Exhaust Hood	6,314.69	560.75
23 38 13 16-0022	EA		8'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	6,528.80	595.80
23 38 13 16-0023	EA		9' Long x 60" Deep Dry Extractor Exhaust Hood	7,091.92	630.84
23 38 13 16-0024	EA		9'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	7,310.06	665.89
23 38 13 16-0025	EA		10' Long x 60" Deep Dry Extractor Exhaust Hood	7,528.68	700.93
23 38 13 16-0026	EA		10'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	7,736.03	735.99
23 38 13 16-0027	EA		11' Long x 60" Deep Dry Extractor Exhaust Hood.....	7,956.06	771.03
23 38 13 16-0028	EA		11'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	8,163.83	806.08
23 38 13 16-0029	EA		12' Long x 60" Deep Dry Extractor Exhaust Hood	8,361.47	841.13
23 38 13 16-0030	EA		12'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	8,631.75	876.17
23 38 13 16-0031	EA		13' Long x 60" Deep Dry Extractor Exhaust Hood	8,940.67	911.22
23 38 13 16-0032	EA		13'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	9,266.72	946.26
23 38 13 16-0033	EA		14' Long x 60" Deep Dry Extractor Exhaust Hood	9,917.21	981.32
23 38 13 16-0034	EA		14'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	10,249.38	1,016.36
23 38 13 16-0035	EA		15' Long x 60" Deep Dry Extractor Exhaust Hood.....	10,867.10	1,051.40
23 38 13 16-0036	EA		15'-6" Long x 60" Deep Dry Extractor Exhaust Hood	11,494.62	1,086.45
23 38 13 16-0037	EA		16' Long x 60" Deep Dry Extractor Exhaust Hood	12,115.27	1,121.50
23 38 13 16-0038 Single Manifold Water Wash Exhaust Hoods <small>(23 38 13 16-0001)</small>					
Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel.					
23 38 13 16-0039	EA		8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	6,738.69	560.75
23 38 13 16-0040	EA		8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	6,963.40	595.80
23 38 13 16-0041	EA		9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	7,537.12	630.84
23 38 13 16-0042	EA		9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	7,760.56	665.89
23 38 13 16-0043	EA		10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	7,995.08	700.93
23 38 13 16-0044	EA		10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	8,213.03	735.99
23 38 13 16-0045	EA		11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	8,437.36	771.03
23 38 13 16-0046	EA		11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	8,662.03	806.08
23 38 13 16-0047	EA		12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	8,864.97	841.13
23 38 13 16-0048	EA		12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	9,156.45	876.17
23 38 13 16-0049	EA		13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	9,486.57	911.22
23 38 13 16-0050	EA		13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	9,833.82	946.26
23 38 13 16-0051	EA		14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	10,505.51	981.32
23 38 13 16-0052	EA		14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	10,858.88	1,016.36
23 38 13 16-0053	EA		15' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	11,534.90	1,051.40
23 38 13 16-0054	EA		15'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	11,886.82	1,086.45
23 38 13 16-0055	EA		16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	12,237.17	1,121.50
23 38 13 16-0056	EA		Fan Wash Control Panel.....	4,735.75	280.37
Note: Includes time clock and backflow preventer.					
23 38 13 16-0057 Utility Distribution System (UDS) <small>(23 38 13 16-0001)</small>					
Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.					
23 38 13 16-0058	EA		8' Long UDS	24,737.53	285.14
23 38 13 16-0059	EA		8'-6" Long UDS.....	25,468.28	292.08
23 38 13 16-0060	EA		9' Long UDS	26,191.08	298.87
23 38 13 16-0061	EA		9'-6" Long UDS.....	26,919.42	308.41
23 38 13 16-0062	EA		10' Long UDS	27,643.80	315.98
23 38 13 16-0063	EA		10'-6" Long UDS	28,361.25	323.97
23 38 13 16-0064	EA		11' Long UDS	29,089.24	329.51
23 38 13 16-0065	EA		11'-6" Long UDS	29,815.79	338.20
23 38 13 16-0066	EA		12' Long UDS	30,549.60	350.47
23 38 13 16-0067	EA		12'-6" Long UDS	31,292.20	367.15
23 38 13 16-0068	EA		13' Long UDS	32,023.02	377.95
23 38 13 16-0069	EA		13'-6" Long UDS	32,763.08	393.36
23 38 13 16-0070	EA		14' Long UDS	33,497.13	405.78
23 38 13 16-0071	EA		14'-6" Long UDS	34,232.81	419.02
23 38 13 16-0072	EA		15' Long UDS	34,970.27	433.18
23 38 13 16-0073	EA		15'-6" Long UDS	35,709.71	448.25
23 38 13 16-0074	EA		16' Long UDS	36,440.27	458.97
23 38 13 16-0075 Stainless Steel Exhaust Hood Material <small>(23 38 13 16)</small>					
Note: Welded seams.					
23 38 13 16-0076	SF		16 Gauge Stainless Steel Exhaust Hood Material	52.17	9.17
23 38 13 16-0077	SF		14 Gauge Stainless Steel Exhaust Hood Material	65.22	12.23
23 38 13 16-0078	SF		12 Gauge Stainless Steel Exhaust Hood Material	90.54	16.51
23 38 13 16-0079	SF		10 Gauge Stainless Steel Exhaust Hood Material	113.27	20.19

23 40 HVAC Air Cleaning Devices (23)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 41 Particulate Air Filtration** (23 40)**23 41 13 Panel Air Filters** (23 41)**23 41 13 00-0001 Disposable Air Filters** (23 41 13)

23 41 13 00-0002 EA Throwaway Glass Or Paper Media Filter, Residential.....8.65

23 41 13 00-0003 Electrostatic Air Filters With Frame, Element And Busbar (23 41 13)

23 41 13 00-0004 MF3 Electrostatic Air Filter, High Efficiency Non Supported With Frame, Element And Busbar54.48

23 41 13 00-0005 MF3 Electrostatic Air Filter, Medium Efficiency Non Supported With Frame, Element And Busbar52.62

23 41 13 00-0006 MF3 Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar2.27

23 41 16 Renewable-Media Air Filters (23 41)**23 41 16 00-0001 Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar** (23 41 16)

23 41 16 00-0002 MF3 Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar.....93.75

23 41 19 Washable Air Filters (23 41)**23 41 19 00-0001 Washable Electrostatic Air Filters With Frame, Element And Busbar** (23 41 19)

23 41 19 00-0002 MF3 Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar35.80

23 41 33 High-Efficiency Particulate Filtration (23 41)**23 41 33 00-0001 HEPA Filters** (23 41 33)

Note: Includes particle board and kraft paper frame and separator material.

23 41 33 00-0002 HEPA Filters DOP Efficiency-95% (23 41 33 00-0001)

23 41 33 00-0003 EA 12" x 12" x 6" HEPA Filter, 95% DOP Efficiency, 150 CFM, Complete.....90.61 9.81

For Removal And Replacement In Existing Equipment, Add

1.96

For >10 To 25, Deduct

-2.27

For >25 To 50, Deduct

-4.53

For >50 To 100, Deduct

-6.80

For >100, Deduct

-9.06

23 41 33 00-0004 EA 24" x 12" x 6" HEPA Filter, 95% DOP Efficiency, 375 CFM, Complete.....121.52 11.21

For Removal And Replacement In Existing Equipment, Add

2.24

For >10 To 25, Deduct

-3.04

For >25 To 50, Deduct

-6.08

For >50 To 100, Deduct

-9.11

For >100, Deduct

-12.15

23 41 33 00-0005 EA 24" x 18" x 6" HEPA Filter, 95% DOP Efficiency, 450 CFM, Complete.....142.31 12.96

For Removal And Replacement In Existing Equipment, Add

2.59

For >10 To 25, Deduct

-3.56

For >25 To 50, Deduct

-7.12

For >50 To 100, Deduct

-10.67

For >100, Deduct

-14.23

23 41 33 00-0006 EA 24" x 24" x 6" HEPA Filter, 95% DOP Efficiency, 700 CFM, Complete.....163.13 14.72

For Removal And Replacement In Existing Equipment, Add

2.94

For >10 To 25, Deduct

-4.08

For >25 To 50, Deduct

-8.16

For >50 To 100, Deduct

-12.23

For >100, Deduct

-16.31

23 41 33 00-0007 EA 12" x 12" x 12" HEPA Filter, 95% DOP Efficiency, 250 CFM, Complete.....111.21 10.51

For Removal And Replacement In Existing Equipment, Add

2.10

For >10 To 25, Deduct

-2.78

For >25 To 50, Deduct

-5.56

For >50 To 100, Deduct

-8.34

For >100, Deduct

-11.12

23 41 33 00-0008 EA 24" x 12" x 12" HEPA Filter, 95% DOP Efficiency, 500 CFM, Complete.....150.42 12.26

For Removal And Replacement In Existing Equipment, Add

2.45

For >10 To 25, Deduct

-3.76

For >25 To 50, Deduct

-7.52

For >50 To 100, Deduct

-11.28

For >100, Deduct

-15.04

23 41 33 00-0009 EA 24" x 18" x 12" HEPA Filter, 95% DOP Efficiency, 875 CFM, Complete.....180.16 14.01

For Removal And Replacement In Existing Equipment, Add

2.80

For >10 To 25, Deduct

-4.50

For >25 To 50, Deduct

-9.01

For >50 To 100, Deduct

-13.51

For >100, Deduct

-18.02

23 41 33 00-0010 EA 24" x 24" x 12" HEPA Filter, 95% DOP Efficiency, 1,000 CFM, Complete.....213.41 17.52

For Removal And Replacement In Existing Equipment, Add

3.50

For >10 To 25, Deduct

-5.34

For >25 To 50, Deduct

-10.67

For >50 To 100, Deduct

-16.01

For >100, Deduct

-21.34

23 41 33 00-0011 HEPA Filters DOP Efficiency-99.99% (23 41 33 00-0001)



Heating, Ventilating, And Air-Conditioning (HVAC)	23
HVAC Air Cleaning Devices	23 40
Particulate Air Filtration	23 41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0012 EA 12" x 12" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	77.43	8.76
For Removal And Replacement In Existing Equipment, Add	1.75	
For >10 To 25, Deduct	-1.94	
For >25 To 50, Deduct	-3.87	
For >50 To 100, Deduct	-5.81	
For >100, Deduct	-7.74	
23 41 33 00-0013 EA 24" x 12" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	108.07	10.51
For Removal And Replacement In Existing Equipment, Add	2.10	
For >10 To 25, Deduct	-2.70	
For >25 To 50, Deduct	-5.40	
For >50 To 100, Deduct	-8.11	
For >100, Deduct	-10.81	
23 41 33 00-0014 EA 24" x 24" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	167.57	12.26
For Removal And Replacement In Existing Equipment, Add	2.45	
For >10 To 25, Deduct	-4.19	
For >25 To 50, Deduct	-8.38	
For >50 To 100, Deduct	-12.57	
For >100, Deduct	-16.76	
23 41 33 00-0015 EA 36" x 24" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	216.45	14.01
For Removal And Replacement In Existing Equipment, Add	2.80	
For >10 To 25, Deduct	-5.41	
For >25 To 50, Deduct	-10.82	
For >50 To 100, Deduct	-16.23	
For >100, Deduct	-21.65	
23 41 33 00-0016 EA 8" x 8" x 6" HEPA Filter, 99.99% DOP Efficiency, Complete	73.87	7.00
For Removal And Replacement In Existing Equipment, Add	1.40	
For >10 To 25, Deduct	-1.85	
For >25 To 50, Deduct	-3.69	
For >50 To 100, Deduct	-5.54	
For >100, Deduct	-7.39	
23 41 33 00-0017 EA 12" x 12" x 6" HEPA Filter, 99.99% DOP Efficiency, 150 CFM, Complete	97.81	9.45
For Removal And Replacement In Existing Equipment, Add	1.89	
For >10 To 25, Deduct	-2.45	
For >25 To 50, Deduct	-4.89	
For >50 To 100, Deduct	-7.34	
For >100, Deduct	-9.78	
23 41 33 00-0018 EA 24" x 12" x 6" HEPA Filter, 99.99% DOP Efficiency, 325 CFM, Complete	132.53	11.21
For Removal And Replacement In Existing Equipment, Add	2.24	
For >10 To 25, Deduct	-3.31	
For >25 To 50, Deduct	-6.63	
For >50 To 100, Deduct	-9.94	
For >100, Deduct	-13.25	
23 41 33 00-0019 EA 24" x 18" x 6" HEPA Filter, 99.99% DOP Efficiency, 550 CFM, Complete	155.61	13.13
For Removal And Replacement In Existing Equipment, Add	2.63	
For >10 To 25, Deduct	-3.89	
For >25 To 50, Deduct	-7.78	
For >50 To 100, Deduct	-11.67	
For >100, Deduct	-15.56	
23 41 33 00-0020 EA 24" x 24" x 6" HEPA Filter, 99.99% DOP Efficiency, 775 CFM, Complete	177.98	14.72
For Removal And Replacement In Existing Equipment, Add	2.94	
For >10 To 25, Deduct	-4.45	
For >25 To 50, Deduct	-8.90	
For >50 To 100, Deduct	-13.35	
For >100, Deduct	-17.80	
23 41 33 00-0021 EA 12" x 12" x 12" HEPA Filter, 99.99% DOP Efficiency, 250 CFM, Complete	121.23	10.51
For Removal And Replacement In Existing Equipment, Add	2.10	
For >10 To 25, Deduct	-3.03	
For >25 To 50, Deduct	-6.06	
For >50 To 100, Deduct	-9.09	
For >100, Deduct	-12.12	
23 41 33 00-0022 EA 24" x 12" x 12" HEPA Filter, 99.99% DOP Efficiency, 500 CFM, Complete	164.41	12.26
For Removal And Replacement In Existing Equipment, Add	2.45	
For >10 To 25, Deduct	-4.11	
For >25 To 50, Deduct	-8.22	
For >50 To 100, Deduct	-12.33	
For >100, Deduct	-16.44	
23 41 33 00-0023 EA 24" x 18" x 12" HEPA Filter, 99.99% DOP Efficiency, 775 CFM, Complete	197.06	14.01
For Removal And Replacement In Existing Equipment, Add	2.80	
For >10 To 25, Deduct	-4.93	
For >25 To 50, Deduct	-9.85	
For >50 To 100, Deduct	-14.78	
For >100, Deduct	-19.71	
23 41 33 00-0024 EA 24" x 24" x 12" HEPA Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete	242.65	17.52
For Removal And Replacement In Existing Equipment, Add	3.50	
For >10 To 25, Deduct	-6.07	
For >25 To 50, Deduct	-12.13	
For >50 To 100, Deduct	-18.20	
For >100, Deduct	-24.27	
23 41 33 00-0025 HEPA Filter Housings, 14 Gauge Galvanized Sheet Metal <small>(23 41 33)</small>		
Note: Nominal sizes.		
23 41 33 00-0026 EA 12" x 12" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	205.90	52.26
23 41 33 00-0027 EA 24" x 12" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	379.85	103.87
23 41 33 00-0028 EA 24" x 18" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	386.70	103.87
23 41 33 00-0029 EA 24" x 24" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	391.26	103.87

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0030 EA 24" x 48" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	423.20	103.87
23 41 33 00-0031 EA 24" x 72" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	463.13	103.87
23 41 33 00-0032 EA 48" x 48" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	732.33	208.38
23 41 33 00-0033 EA 48" x 72" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	829.30	208.38
23 41 33 00-0034 EA 48" x 96" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	952.51	208.38
23 41 33 00-0035 EA 12" x 12" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	225.29	52.26
23 41 33 00-0036 EA 24" x 12" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	412.93	103.87
23 41 33 00-0037 EA 24" x 18" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	420.92	103.87
23 41 33 00-0038 EA 24" x 24" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	426.63	103.87
23 41 33 00-0039 EA 24" x 48" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	464.27	103.87
23 41 33 00-0040 EA 24" x 72" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	514.47	103.87
23 41 33 00-0041 EA 48" x 48" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	812.19	208.38
23 41 33 00-0042 EA 48" x 72" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	933.12	208.38
23 41 33 00-0043 EA 48" x 96" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,085.99	208.38
23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency (23 41 33)		
23 41 33 00-0045 EA 0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency	169.50	67.74
23 41 33 00-0046 EA 1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency	201.42	67.74
23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency (23 41 33)		
23 41 33 00-0048 EA 0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency	165.83	67.74
23 41 33 00-0049 EA 1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency	189.39	67.74
23 42 Gas-Phase Air Filtration (23 40)		
23 42 13 Activated-Carbon Air Filtration (23 42)		
23 42 13 00-0001 EA 12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	32.69	5.25
23 42 13 00-0002 EA 16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	33.08	5.25
23 42 13 00-0003 EA 16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	33.32	5.25
23 42 13 00-0004 EA 20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	33.32	5.25
23 42 13 00-0005 EA 20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	36.32	5.25
23 42 13 00-0006 EA 24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	41.24	5.25
23 42 13 00-0007 EA 12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	41.58	5.96
23 42 13 00-0008 EA 16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	41.91	5.96
23 42 13 00-0009 EA 16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	42.20	5.96
23 42 13 00-0010 EA 20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	42.20	5.96
23 42 13 00-0011 EA 20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	45.51	5.96
23 42 13 00-0012 EA 24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	54.73	5.96
23 42 13 00-0013 EA 16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	19.00	5.25
23 42 13 00-0014 EA 16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	20.42	5.25
23 42 13 00-0015 EA 20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	20.47	5.25
23 42 13 00-0016 EA 20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	22.33	5.25
23 42 13 00-0017 EA 24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter	23.99	5.25
23 42 13 00-0018 EA 16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	22.05	5.96
23 42 13 00-0019 EA 16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	24.53	5.96
23 42 13 00-0020 EA 20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	25.05	5.96
23 42 13 00-0021 EA 20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	28.13	5.96
23 42 13 00-0022 EA 24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter	30.09	5.96
23 42 13 00-0023 EA 24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter	50.99	6.31
23 44 Ultraviolet HVAC Microbial Control (23 40)		
23 44 00 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures (23 44)		
23 44 00 00-0002 EA 18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO)	424.16	46.78
Note: Includes tube.		
23 44 00 00-0003 EA 24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO)	442.90	49.10
Note: Includes tube.		
23 44 00 00-0004 EA 30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO)	445.05	51.21
Note: Includes tube.		
23 44 00 00-0005 EA 36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO)	465.80	53.80
Note: Includes tube.		
23 44 00 00-0006 EA 42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO)	503.22	56.12
Note: Includes tube.		
23 44 00 00-0007 EA 62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO)	575.30	57.87
Note: Includes tube.		
23 44 00 00-0008 Single Ended Ultraviolet HVAC Microbial Control Fixtures (23 44)		
23 44 00 00-0009 EA 12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO)	368.39	32.41
Note: Includes tube.		
23 44 00 00-0010 EA 16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO)	374.89	35.07
Note: Includes tube.		
23 44 00 00-0011 EA 20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO)	381.56	37.18
Note: Includes tube.		
23 44 00 00-0012 EA 24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO)	381.81	39.99
Note: Includes tube.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 44 00 00-0013 EA 30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO) Note: Includes tube.	397.28	42.09
23 44 00 00-0014 EA 36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO) Note: Includes tube.	406.61	44.19
23 44 00 00-0015 EA 42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO) Note: Includes tube.	416.00	46.99
23 44 00 00-0016 EA 12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO) Note: Includes tube.	431.38	32.41
23 44 00 00-0017 EA 16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO) Note: Includes tube.	437.88	35.07
23 44 00 00-0018 EA 20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO) Note: Includes tube.	444.55	37.18
23 44 00 00-0019 EA 24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO) Note: Includes tube.	444.79	39.99
23 44 00 00-0020 EA 30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO) Note: Includes tube.	460.27	42.09
23 44 00 00-0021 EA 36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO) Note: Includes tube.	469.60	44.19
23 44 00 00-0022 EA 42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO) Note: Includes tube.	478.99	46.99
23 44 00 00-0023 EA 16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) Note: Includes tube.	300.83	35.07
23 44 00 00-0024 EA 20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) Note: Includes tube.	307.49	37.18
23 44 00 00-0025 EA 24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) Note: Includes tube.	307.74	39.99
23 44 00 00-0026 EA 30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) Note: Includes tube.	323.21	42.09
23 44 00 00-0027 EA 36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) Note: Includes tube.	332.54	44.19
23 44 00 00-0028 EA 42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) Note: Includes tube.	341.93	46.99
23 44 00 00-0029 Fan Coil Unit Ultraviolet Microbial Control Fixtures (23 44)		
23 44 00 00-0030 EA 16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	267.56	44.89
23 44 00 00-0031 EA 20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	274.01	46.99
23 44 00 00-0032 EA 24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	280.45	49.10
23 44 00 00-0033 EA 30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	288.81	51.21
23 44 00 00-0034 EA 36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	299.33	53.80
23 44 00 00-0035 EA 42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	308.71	56.12
23 44 00 00-0036 Ultraviolet HVAC Microbial Control Replacement Parts (23 44)		
23 44 00 00-0037 EA 18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO).....	70.71	
23 44 00 00-0038 EA 24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO).....	74.29	
23 44 00 00-0039 EA 30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO).....	83.97	
23 44 00 00-0040 EA 36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO).....	96.37	
23 44 00 00-0041 EA 42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO).....	109.05	
23 44 00 00-0042 EA 62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO).....	133.43	
23 44 00 00-0043 EA 12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO).....	68.60	
23 44 00 00-0044 EA 16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO).....	72.29	
23 44 00 00-0045 EA 20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO).....	76.15	
23 44 00 00-0046 EA 24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO).....	73.59	
23 44 00 00-0047 EA 30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO).....	86.27	
23 44 00 00-0048 EA 36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO).....	92.79	
23 44 00 00-0049 EA 42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO).....	99.37	
23 44 00 00-0050 EA Replacement Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire).....	202.69	
23 44 00 00-0051 Ultraviolet HVAC Microbial Control Mounting Accessories (23 44)		
23 44 00 00-0052 EA Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610)..... Note: Includes 61" emitter, power supply, wires and connectors.	361.16	
23 44 00 00-0053 EA Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620)..... Note: Includes 61" emitter, power supply, wires and connectors.	459.83	
23 44 00 00-0054 EA Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1)..... Note: Includes power supply, wires and connectors. Excludes emitter.	212.33	
23 44 00 00-0055 EA Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2)..... Note: Includes power supply, wires and connectors. Excludes emitter.	224.41	
23 44 00 00-0056 EA Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3)..... Note: Includes power supply, wires and connectors. Excludes emitter.	284.77	
23 44 00 00-0057 EA Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4)..... Note: Includes power supply, wires and connectors. Excludes emitter.	178.70	
23 44 00 00-0058 EA Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5)..... Note: Includes power supply, wires and connectors. Excludes emitter.	193.56	
23 44 00 00-0059 EA 16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6)..... Note: Includes power supply, wires and connectors. Excludes emitter.	253.42	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 44 Ultraviolet HVAC Microbial Control**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 44 00 00-0060	EA	12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7)	249.99	
Note: Includes power supply, wires and connectors. Excludes emitter.				
23 44 00 00-0061	LF	30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101).....	9.44	
23 44 00 00-0062	EA	Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111)	31.99	
23 44 00 00-0063	EA	Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112)	11.16	
23 44 00 00-0064	EA	Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113).....	10.56	
23 44 00 00-0065	EA	Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104)	29.54	
23 44 00 00-0066	EA	Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114)	34.50	
23 44 00 00-0067	EA	Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108).....	30.69	
23 44 00 00-0068	EA	Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115)	24.98	
23 44 00 00-0069	EA	ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109).....	23.62	
23 44 00 00-0070	EA	DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223)	12.95	
23 44 00 00-0071	EA	DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603)	26.50	
23 44 00 00-0072	EA	Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100)	13.01	
23 44 00 00-0073	EA	480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503)	50.66	
23 44 00 00-0074	EA	Interlock Switch (16 Amps At 125 Volt, 10 Amps At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120)	53.21	

23 50 Central Heating Equipment (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0110 for terminations, 26 28 16 00-0001 for disconnect.

23 51 Breechings, Chimneys, And Stacks (23 50)**23 51 13 Draft Control Devices (23 51)****23 51 13 13 Draft-Induction Fans (23 51 13)**

23 51 13 13-0001		Vertical Discharge Fans (23 51 13 13) Note: Includes chimney adapter. Excludes wiring.		
23 51 13 13-0002		Axial Vane Vertical Discharge Fans (23 51 13 13-0001)		
23 51 13 13-0003	EA	450 CFM Vertical Discharge Chimney Fan, Axial Vane.....	3,629.66	141.93
23 51 13 13-0004	EA	950 CFM Vertical Discharge Chimney Fan, Axial Vane.....	4,127.81	154.84
23 51 13 13-0005	EA	1,400 CFM Vertical Discharge Chimney Fan, Axial Vane.....	4,986.62	170.96
23 51 13 13-0006	EA	1,800 CFM Vertical Discharge Chimney Fan, Axial Vane.....	6,570.11	198.38
23 51 13 13-0007		Centrifugal Impeller Vertical Discharge Fans (23 51 13 13-0001)		
23 51 13 13-0008	EA	700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	4,396.81	154.84
23 51 13 13-0009	EA	1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	5,399.98	170.96
23 51 13 13-0010	EA	2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	7,058.82	200.00
23 51 13 13-0011	EA	3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	8,386.47	224.18

23 51 13 13-0012 Accessories For Vertical Discharge Fans (23 51 13 13-0001)

23 51 13 13-0013	EA	Modulating Fan Controller And Sensor.....	451.01	48.39
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23 51 13 16 Vent Dampers (23 51 13)

23 51 13 16-0001		Flue Shutter Draft Control Damper, Parallel Blade (23 51 13 16)		
23 51 13 16-0002	EA	3" Round Flue Shutter Draft Control Damper.....	282.96	28.65
23 51 13 16-0003	EA	4" Round Flue Shutter Draft Control Damper.....	307.85	30.38
23 51 13 16-0004	EA	5" Round Flue Shutter Draft Control Damper.....	336.80	32.26
23 51 13 16-0005	EA	6" Round Flue Shutter Draft Control Damper.....	359.70	34.40
23 51 13 16-0006	EA	7" Round Flue Shutter Draft Control Damper.....	391.04	36.85
23 51 13 16-0007	EA	8" Round Flue Shutter Draft Control Damper.....	416.66	39.67
23 51 13 16-0008	EA	10" Round Flue Shutter Draft Control Damper.....	458.66	43.02
23 51 13 16-0009	EA	12" Round Flue Shutter Draft Control Damper.....	502.88	46.91
23 51 13 16-0010	EA	14" Round Flue Shutter Draft Control Damper.....	555.07	49.19
23 51 13 16-0011	EA	16" Round Flue Shutter Draft Control Damper.....	593.37	51.62
23 51 13 16-0012	EA	18" Round Flue Shutter Draft Control Damper.....	643.11	54.19
23 51 13 16-0013	EA	20" Round Flue Shutter Draft Control Damper.....	812.49	85.80
23 51 13 16-0014	EA	22" Round Flue Shutter Draft Control Damper.....	883.96	91.13
23 51 13 16-0015	EA	24" Round Flue Shutter Draft Control Damper.....	953.16	96.77
23 51 13 16-0016	EA	26" Round Flue Shutter Draft Control Damper.....	973.15	99.99
23 51 13 16-0017	EA	28" Round Flue Shutter Draft Control Damper.....	1,003.99	103.22
23 51 13 16-0018	EA	30" Round Flue Shutter Draft Control Damper.....	1,040.55	109.68
23 51 13 16-0019	EA	32" Round Flue Shutter Draft Control Damper.....	1,082.17	112.82
23 51 13 16-0020	EA	34" Round Flue Shutter Draft Control Damper.....	1,132.88	119.28
23 51 13 16-0021	EA	36" Round Flue Shutter Draft Control Damper.....	1,196.79	129.02
23 51 13 16-0022	EA	38" Round Flue Shutter Draft Control Damper.....	1,252.29	133.46
23 51 13 16-0023	EA	40" Round Flue Shutter Draft Control Damper.....	1,298.60	135.48
23 51 13 16-0024	EA	42" Round Flue Shutter Draft Control Damper.....	1,361.90	141.93
23 51 13 16-0025	EA	44" Round Flue Shutter Draft Control Damper.....	1,425.48	148.38
23 51 13 16-0026	EA	46" Round Flue Shutter Draft Control Damper.....	1,489.18	154.84
23 51 13 16-0027	EA	48" Round Flue Shutter Draft Control Damper.....	1,552.68	161.28



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 51 13 19 Barometric Dampers (23 51 13)

23 51 13 19-0001	Barometric Dampers <small>(23 51 13 19)</small>		
23 51 13 19-0002	EA 6" x 6" Barometric Damper	111.57	5.61
23 51 13 19-0003	EA 12" x 12" Barometric Damper	160.18	7.70
23 51 13 19-0004	EA 18" x 18" Barometric Damper	219.29	11.91
23 51 13 19-0005	EA 24" x 24" Barometric Damper	283.52	22.41
23 51 13 19-0006	EA 6" Diameter Barometric Damper	61.62	5.61
	<i>For Stainless Steel, Add</i>	51.84	
23 51 13 19-0007	EA 7" Diameter Barometric Damper	72.60	6.30
	<i>For Stainless Steel, Add</i>	61.59	
23 51 13 19-0008	EA 8" Diameter Barometric Damper	84.26	7.01
	<i>For Stainless Steel, Add</i>	71.42	
23 51 13 19-0009	EA 9" Diameter Barometric Damper	100.41	7.01
	<i>For Stainless Steel, Add</i>	90.48	
23 51 13 19-0010	EA 10" Diameter Barometric Damper	127.14	8.41
	<i>For Stainless Steel, Add</i>	123.27	
23 51 13 19-0011	EA 12" Diameter Barometric Damper	158.33	9.10
	<i>For Stainless Steel, Add</i>	158.99	
23 51 13 19-0012	EA 14" Diameter Barometric Damper	195.36	9.81
	<i>For Stainless Steel, Add</i>	202.76	
23 51 13 19-0013	EA 15" Diameter Barometric Damper	230.95	10.51
	<i>For Stainless Steel, Add</i>	243.71	
23 51 13 19-0014	EA 16" Diameter Barometric Damper	265.58	11.91
	<i>For Stainless Steel, Add</i>	284.56	
23 51 13 19-0015	EA 18" Diameter Barometric Damper	342.88	12.60
	<i>For Stainless Steel, Add</i>	380.19	
23 51 13 19-0016	EA 20" Diameter Barometric Damper	404.86	14.00
	<i>For Stainless Steel, Add</i>	455.07	
23 51 13 19-0017	EA 24" Diameter Barometric Damper	482.69	14.00
	<i>For Stainless Steel, Add</i>	552.99	
23 51 13 19-0018	EA 30" Diameter Barometric Damper	590.34	16.11
	<i>For Stainless Steel, Add</i>	685.49	
23 51 13 19-0019	EA 36" Diameter Barometric Damper	744.30	16.81
	<i>For Stainless Steel, Add</i>	881.34	

23 51 16 Fabricated Breechings And Accessories (23 51)

23 51 16 00-0001	Round Galvanized Double Wall Flue/Vent Pipe And Fittings <small>(23 51 16)</small>		
23 51 16 00-0002	Round Galvanized Double Wall Flue/Vent Pipe <small>(23 51 16 00-0001)</small>		
23 51 16 00-0003	LF 3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	20.16	5.74
	<i>For Aluminum Liner, Add</i>	0.32	
	<i>For Stainless Steel Liner, Add</i>	0.44	
	<i>For 2" Wall Instead Of 1", Add</i>	3.18	
	<i>For 3" To 4" Wall Instead Of 1", Add</i>	5.49	
23 51 16 00-0004	LF 4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	21.96	6.06
	<i>For Aluminum Liner, Add</i>	0.39	
	<i>For Stainless Steel Liner, Add</i>	0.54	
	<i>For 2" Wall Instead Of 1", Add</i>	3.63	
	<i>For 3" To 4" Wall Instead Of 1", Add</i>	6.18	
23 51 16 00-0005	LF 5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	24.45	6.46
	<i>For Aluminum Liner, Add</i>	0.47	
	<i>For Stainless Steel Liner, Add</i>	0.64	
	<i>For 2" Wall Instead Of 1", Add</i>	4.14	
	<i>For 3" To 4" Wall Instead Of 1", Add</i>	7.01	
23 51 16 00-0006	LF 6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	26.87	6.90
	<i>For Aluminum Liner, Add</i>	0.54	
	<i>For Stainless Steel Liner, Add</i>	0.74	
	<i>For 2" Wall Instead Of 1", Add</i>	4.66	
	<i>For 3" To 4" Wall Instead Of 1", Add</i>	7.84	
23 51 16 00-0007	LF 7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	32.56	7.35
	<i>For Aluminum Liner, Add</i>	0.80	
	<i>For Stainless Steel Liner, Add</i>	1.09	
	<i>For 2" Wall Instead Of 1", Add</i>	6.16	
	<i>For 3" To 4" Wall Instead Of 1", Add</i>	10.14	
23 51 16 00-0008	LF 8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	36.20	7.94
	<i>For Aluminum Liner, Add</i>	0.89	
	<i>For Stainless Steel Liner, Add</i>	1.21	
	<i>For 2" Wall Instead Of 1", Add</i>	6.85	
	<i>For 3" To 4" Wall Instead Of 1", Add</i>	11.28	
23 51 16 00-0009	LF 10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	55.81	8.51
	<i>For Aluminum Liner, Add</i>	1.88	
	<i>For Stainless Steel Liner, Add</i>	2.56	
	<i>For 2" Wall Instead Of 1", Add</i>	12.41	
	<i>For 3" To 4" Wall Instead Of 1", Add</i>	19.70	
23 51 16 00-0010	LF 12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	69.30	9.42
	<i>For Aluminum Liner, Add</i>	2.52	
	<i>For Stainless Steel Liner, Add</i>	3.44	
	<i>For 2" Wall Instead Of 1", Add</i>	16.09	
	<i>For 3" To 4" Wall Instead Of 1", Add</i>	25.32	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0011	LF		14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	101.53	9.80
			For Aluminum Liner, Add	4.23	
			For Stainless Steel Liner, Add	5.77	
			For 2" Wall Instead Of 1", Add	25.54	
			For 3" To 4" Wall Instead Of 1", Add	39.54	
23 51 16 00-0012	LF		16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	129.44	10.32
			For Aluminum Liner, Add	5.71	
			For Stainless Steel Liner, Add	7.78	
			For 2" Wall Instead Of 1", Add	33.69	
			For 3" To 4" Wall Instead Of 1", Add	51.83	
23 51 16 00-0013	LF		18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	161.39	10.83
			For Aluminum Liner, Add	7.37	
			For Stainless Steel Liner, Add	10.05	
			For 2" Wall Instead Of 1", Add	42.94	
			For 3" To 4" Wall Instead Of 1", Add	65.78	
23 51 16 00-0014	LF		20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	201.58	17.23
			For Aluminum Liner, Add	8.75	
			For Stainless Steel Liner, Add	11.93	
			For 2" Wall Instead Of 1", Add	51.97	
			For 3" To 4" Wall Instead Of 1", Add	80.09	
23 51 16 00-0015	LF		22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	246.49	18.20
			For Aluminum Liner, Add	11.03	
			For Stainless Steel Liner, Add	15.04	
			For 2" Wall Instead Of 1", Add	64.77	
			For 3" To 4" Wall Instead Of 1", Add	99.44	
23 51 16 00-0016	LF		24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	296.04	19.36
			For Aluminum Liner, Add	13.60	
			For Stainless Steel Liner, Add	18.55	
			For 2" Wall Instead Of 1", Add	79.06	
			For 3" To 4" Wall Instead Of 1", Add	121.03	
23 51 16 00-0017			90 Degree Elbows <small>(23 51 16 00-0001)</small>		
23 51 16 00-0018	EA		3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	55.24	11.48
			For Aluminum Liner, Add	1.47	
			For Stainless Steel Liner, Add	2.01	
			For 2" Wall Instead Of 1", Add	10.88	
			For 3" To 4" Wall Instead Of 1", Add	17.75	
23 51 16 00-0019	EA		4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	61.87	12.12
			For Aluminum Liner, Add	1.74	
			For Stainless Steel Liner, Add	2.37	
			For 2" Wall Instead Of 1", Add	12.51	
			For 3" To 4" Wall Instead Of 1", Add	20.28	
23 51 16 00-0020	EA		5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	69.87	12.90
			For Aluminum Liner, Add	2.08	
			For Stainless Steel Liner, Add	2.83	
			For 2" Wall Instead Of 1", Add	14.54	
			For 3" To 4" Wall Instead Of 1", Add	23.41	
23 51 16 00-0021	EA		6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	77.99	13.74
			For Aluminum Liner, Add	2.41	
			For Stainless Steel Liner, Add	3.29	
			For 2" Wall Instead Of 1", Add	16.57	
			For 3" To 4" Wall Instead Of 1", Add	26.57	
23 51 16 00-0022	EA		7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	95.25	14.71
			For Aluminum Liner, Add	3.23	
			For Stainless Steel Liner, Add	4.40	
			For 2" Wall Instead Of 1", Add	21.26	
			For 3" To 4" Wall Instead Of 1", Add	33.72	
23 51 16 00-0023	EA		8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	113.16	15.87
			For Aluminum Liner, Add	4.04	
			For Stainless Steel Liner, Add	5.51	
			For 2" Wall Instead Of 1", Add	26.01	
			For 3" To 4" Wall Instead Of 1", Add	41.00	
23 51 16 00-0024	EA		10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	212.15	17.23
			For Aluminum Liner, Add	9.30	
			For Stainless Steel Liner, Add	12.68	
			For 2" Wall Instead Of 1", Add	55.02	
			For 3" To 4" Wall Instead Of 1", Add	84.69	
23 51 16 00-0025	EA		12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	260.01	18.77
			For Aluminum Liner, Add	11.72	
			For Stainless Steel Liner, Add	15.98	
			For 2" Wall Instead Of 1", Add	68.63	
			For 3" To 4" Wall Instead Of 1", Add	105.28	
23 51 16 00-0026	EA		14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	343.84	19.68
			For Aluminum Liner, Add	16.21	
			For Stainless Steel Liner, Add	22.10	
			For 2" Wall Instead Of 1", Add	93.32	
			For 3" To 4" Wall Instead Of 1", Add	142.44	
23 51 16 00-0027	EA		16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	427.77	20.65
			For Aluminum Liner, Add	20.69	
			For Stainless Steel Liner, Add	28.22	
			For 2" Wall Instead Of 1", Add	118.03	
			For 3" To 4" Wall Instead Of 1", Add	179.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0028 EA 18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	559.98	21.74
<i>For Aluminum Liner, Add</i>	27.81	
<i>For Stainless Steel Liner, Add</i>	37.92	
<i>For 2" Wall Instead Of 1", Add</i>	157.12	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	238.40	
23 51 16 00-0029 EA 20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	784.21	34.39
<i>For Aluminum Liner, Add</i>	38.40	
<i>For Stainless Steel Liner, Add</i>	52.36	
<i>For 2" Wall Instead Of 1", Add</i>	218.05	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	331.38	
23 51 16 00-0030 EA 22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,046.49	36.45
<i>For Aluminum Liner, Add</i>	52.54	
<i>For Stainless Steel Liner, Add</i>	71.65	
<i>For 2" Wall Instead Of 1", Add</i>	295.72	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	448.14	
23 51 16 00-0031 EA 24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,184.51	38.70
<i>For Aluminum Liner, Add</i>	59.82	
<i>For Stainless Steel Liner, Add</i>	81.57	
<i>For 2" Wall Instead Of 1", Add</i>	335.98	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	508.81	
23 51 16 00-0032 45 Degree Elbows <small>(23 51 16 00-0001)</small>		
23 51 16 00-0033 EA 3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	44.08	11.48
<i>For Aluminum Liner, Add</i>	0.85	
<i>For Stainless Steel Liner, Add</i>	1.16	
<i>For 2" Wall Instead Of 1", Add</i>	7.49	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	12.67	
23 51 16 00-0034 EA 4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	48.57	12.12
<i>For Aluminum Liner, Add</i>	1.00	
<i>For Stainless Steel Liner, Add</i>	1.36	
<i>For 2" Wall Instead Of 1", Add</i>	8.50	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	14.26	
23 51 16 00-0035 EA 5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	53.67	12.90
<i>For Aluminum Liner, Add</i>	1.18	
<i>For Stainless Steel Liner, Add</i>	1.61	
<i>For 2" Wall Instead Of 1", Add</i>	9.65	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	16.08	
23 51 16 00-0036 EA 6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	60.03	13.74
<i>For Aluminum Liner, Add</i>	1.41	
<i>For Stainless Steel Liner, Add</i>	1.92	
<i>For 2" Wall Instead Of 1", Add</i>	11.13	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	18.41	
23 51 16 00-0037 EA 7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	73.59	14.71
<i>For Aluminum Liner, Add</i>	2.02	
<i>For Stainless Steel Liner, Add</i>	2.76	
<i>For 2" Wall Instead Of 1", Add</i>	14.71	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	23.90	
23 51 16 00-0038 EA 8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	81.93	15.87
<i>For Aluminum Liner, Add</i>	2.32	
<i>For Stainless Steel Liner, Add</i>	3.17	
<i>For 2" Wall Instead Of 1", Add</i>	16.65	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	26.95	
23 51 16 00-0039 EA 10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	148.66	17.23
<i>For Aluminum Liner, Add</i>	5.81	
<i>For Stainless Steel Liner, Add</i>	7.92	
<i>For 2" Wall Instead Of 1", Add</i>	35.99	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	56.14	
23 51 16 00-0040 EA 12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	180.11	18.77
<i>For Aluminum Liner, Add</i>	7.33	
<i>For Stainless Steel Liner, Add</i>	9.99	
<i>For 2" Wall Instead Of 1", Add</i>	44.65	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	69.32	
23 51 16 00-0041 EA 14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	236.57	19.68
<i>For Aluminum Liner, Add</i>	10.31	
<i>For Stainless Steel Liner, Add</i>	14.06	
<i>For 2" Wall Instead Of 1", Add</i>	61.14	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	94.16	
23 51 16 00-0042 EA 16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	286.75	20.65
<i>For Aluminum Liner, Add</i>	12.93	
<i>For Stainless Steel Liner, Add</i>	17.64	
<i>For 2" Wall Instead Of 1", Add</i>	75.71	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	116.14	
23 51 16 00-0043 EA 18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	370.32	21.74
<i>For Aluminum Liner, Add</i>	17.38	
<i>For Stainless Steel Liner, Add</i>	23.70	
<i>For 2" Wall Instead Of 1", Add</i>	100.23	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	153.06	
23 51 16 00-0044 EA 20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	442.21	34.33
<i>For Aluminum Liner, Add</i>	19.60	
<i>For Stainless Steel Liner, Add</i>	26.73	
<i>For 2" Wall Instead Of 1", Add</i>	115.51	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	177.55	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0045	EA		22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	627.60	36.45
			<i>For Aluminum Liner, Add</i>	29.51	
			<i>For Stainless Steel Liner, Add</i>	40.24	
			<i>For 2" Wall Instead Of 1", Add</i>	170.05	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	259.64	
23 51 16 00-0046	EA		24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	776.48	38.70
			<i>For Aluminum Liner, Add</i>	37.39	
			<i>For Stainless Steel Liner, Add</i>	50.98	
			<i>For 2" Wall Instead Of 1", Add</i>	213.60	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	325.24	
23 51 16 00-0047			Tees <small>(23 51 16 00-0001)</small>		
23 51 16 00-0048	EA		3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	75.94	15.29
			<i>For Aluminum Liner, Add</i>	2.07	
			<i>For Stainless Steel Liner, Add</i>	2.82	
			<i>For 2" Wall Instead Of 1", Add</i>	15.13	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	24.60	
23 51 16 00-0049	EA		4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	79.17	15.87
			<i>For Aluminum Liner, Add</i>	2.17	
			<i>For Stainless Steel Liner, Add</i>	2.96	
			<i>For 2" Wall Instead Of 1", Add</i>	15.82	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	25.71	
23 51 16 00-0050	EA		5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	82.64	16.51
			<i>For Aluminum Liner, Add</i>	2.27	
			<i>For Stainless Steel Liner, Add</i>	3.10	
			<i>For 2" Wall Instead Of 1", Add</i>	16.53	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	26.86	
23 51 16 00-0051	EA		6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	88.96	17.23
			<i>For Aluminum Liner, Add</i>	2.53	
			<i>For Stainless Steel Liner, Add</i>	3.44	
			<i>For 2" Wall Instead Of 1", Add</i>	18.08	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	29.27	
23 51 16 00-0052	EA		7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	108.28	17.93
			<i>For Aluminum Liner, Add</i>	3.49	
			<i>For Stainless Steel Liner, Add</i>	4.75	
			<i>For 2" Wall Instead Of 1", Add</i>	23.50	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	37.50	
23 51 16 00-0053	EA		8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	116.70	18.77
			<i>For Aluminum Liner, Add</i>	3.84	
			<i>For Stainless Steel Liner, Add</i>	5.24	
			<i>For 2" Wall Instead Of 1", Add</i>	25.63	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	40.79	
23 51 16 00-0054	EA		10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	238.38	19.68
			<i>For Aluminum Liner, Add</i>	10.41	
			<i>For Stainless Steel Liner, Add</i>	14.19	
			<i>For 2" Wall Instead Of 1", Add</i>	61.68	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	94.98	
23 51 16 00-0055	EA		12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	279.41	20.65
			<i>For Aluminum Liner, Add</i>	12.53	
			<i>For Stainless Steel Liner, Add</i>	17.09	
			<i>For 2" Wall Instead Of 1", Add</i>	73.51	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	112.84	
23 51 16 00-0056	EA		14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	428.45	22.97
			<i>For Aluminum Liner, Add</i>	20.41	
			<i>For Stainless Steel Liner, Add</i>	27.83	
			<i>For 2" Wall Instead Of 1", Add</i>	117.07	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	178.47	
23 51 16 00-0057	EA		16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	589.94	25.80
			<i>For Aluminum Liner, Add</i>	28.90	
			<i>For Stainless Steel Liner, Add</i>	39.41	
			<i>For 2" Wall Instead Of 1", Add</i>	164.08	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	249.35	
23 51 16 00-0058	EA		18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	735.12	29.48
			<i>For Aluminum Liner, Add</i>	36.38	
			<i>For Stainless Steel Liner, Add</i>	49.61	
			<i>For 2" Wall Instead Of 1", Add</i>	205.79	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	312.37	
23 51 16 00-0059	EA		20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	982.07	36.45
			<i>For Aluminum Liner, Add</i>	49.01	
			<i>For Stainless Steel Liner, Add</i>	66.83	
			<i>For 2" Wall Instead Of 1", Add</i>	276.42	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	419.18	
23 51 16 00-0060	EA		22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,230.55	47.61
			<i>For Aluminum Liner, Add</i>	61.13	
			<i>For Stainless Steel Liner, Add</i>	83.36	
			<i>For 2" Wall Instead Of 1", Add</i>	345.36	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	523.99	
23 51 16 00-0061	EA		24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,421.05	50.32
			<i>For Aluminum Liner, Add</i>	71.24	
			<i>For Stainless Steel Liner, Add</i>	97.14	
			<i>For 2" Wall Instead Of 1", Add</i>	401.15	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	608.02	
23 51 16 00-0062			Vent Top Caps <small>(23 51 16 00-0001)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0063 EA 3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	36.68	8.97
<i>For Aluminum Liner, Add</i>	0.78	
<i>For Stainless Steel Liner, Add</i>	1.07	
<i>For 2" Wall Instead Of 1", Add</i>	6.52	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	10.90	
23 51 16 00-0064 EA 4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	38.45	9.42
<i>For Aluminum Liner, Add</i>	0.82	
<i>For Stainless Steel Liner, Add</i>	1.12	
<i>For 2" Wall Instead Of 1", Add</i>	6.84	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	11.43	
23 51 16 00-0065 EA 6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	51.80	10.32
<i>For Aluminum Liner, Add</i>	1.43	
<i>For Stainless Steel Liner, Add</i>	1.95	
<i>For 2" Wall Instead Of 1", Add</i>	10.38	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	16.86	
23 51 16 00-0066 EA 8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	54.65	11.48
<i>For Aluminum Liner, Add</i>	1.43	
<i>For Stainless Steel Liner, Add</i>	1.95	
<i>For 2" Wall Instead Of 1", Add</i>	10.67	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	17.43	
23 51 16 00-0067 EA 10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	68.63	12.12
<i>For Aluminum Liner, Add</i>	2.11	
<i>For Stainless Steel Liner, Add</i>	2.87	
<i>For 2" Wall Instead Of 1", Add</i>	14.53	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	23.30	
23 51 16 00-0068 EA 12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	82.78	12.90
<i>For Aluminum Liner, Add</i>	2.78	
<i>For Stainless Steel Liner, Add</i>	3.79	
<i>For 2" Wall Instead Of 1", Add</i>	18.38	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	29.19	
23 51 16 00-0069 EA 16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	214.13	14.71
<i>For Aluminum Liner, Add</i>	9.75	
<i>For Stainless Steel Liner, Add</i>	13.30	
<i>For 2" Wall Instead Of 1", Add</i>	56.87	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	87.15	
23 51 16 00-0070 EA 18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	409.84	18.45
<i>For Aluminum Liner, Add</i>	20.01	
<i>For Stainless Steel Liner, Add</i>	27.28	
<i>For 2" Wall Instead Of 1", Add</i>	113.74	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	172.91	
23 51 16 00-0071 EA 20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	771.81	22.13
<i>For Aluminum Liner, Add</i>	39.41	
<i>For Stainless Steel Liner, Add</i>	53.74	
<i>For 2" Wall Instead Of 1", Add</i>	220.49	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	333.49	
23 51 16 00-0072 EA 24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,290.00	30.97
<i>For Aluminum Liner, Add</i>	66.69	
<i>For Stainless Steel Liner, Add</i>	90.94	
<i>For 2" Wall Instead Of 1", Add</i>	371.51	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	561.14	
23 51 16 00-0073 Wall Thimbles <small>(23 51 16 00-0001)</small>		
23 51 16 00-0074 EA 3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	13.68	4.84
<i>For Aluminum Liner, Add</i>	0.09	
<i>For Stainless Steel Liner, Add</i>	0.12	
<i>For 2" Wall Instead Of 1", Add</i>	1.69	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	3.14	
23 51 16 00-0075 EA 4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	17.22	6.19
<i>For Aluminum Liner, Add</i>	0.09	
<i>For Stainless Steel Liner, Add</i>	0.13	
<i>For 2" Wall Instead Of 1", Add</i>	2.06	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	3.86	
23 51 16 00-0076 EA 5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	22.87	8.32
<i>For Aluminum Liner, Add</i>	0.11	
<i>For Stainless Steel Liner, Add</i>	0.15	
<i>For 2" Wall Instead Of 1", Add</i>	2.70	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	5.09	
23 51 16 00-0077 EA 7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	28.73	10.32
<i>For Aluminum Liner, Add</i>	0.16	
<i>For Stainless Steel Liner, Add</i>	0.22	
<i>For 2" Wall Instead Of 1", Add</i>	3.46	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	6.48	
23 51 16 00-0078 EA 10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	42.37	13.93
<i>For Aluminum Liner, Add</i>	0.41	
<i>For Stainless Steel Liner, Add</i>	0.56	
<i>For 2" Wall Instead Of 1", Add</i>	5.74	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	10.36	
23 51 16 00-0079 EA 12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	53.88	17.29
<i>For Aluminum Liner, Add</i>	0.59	
<i>For Stainless Steel Liner, Add</i>	0.80	
<i>For 2" Wall Instead Of 1", Add</i>	7.52	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	13.44	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0080	EA		14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	69.68	20.65
			<i>For Aluminum Liner, Add</i>	0.99	
			<i>For Stainless Steel Liner, Add</i>	1.35	
			<i>For 2" Wall Instead Of 1", Add</i>	10.58	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	18.45	
23 51 16 00-0081	EA		18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	93.62	24.51
			<i>For Aluminum Liner, Add</i>	1.78	
			<i>For Stainless Steel Liner, Add</i>	2.42	
			<i>For 2" Wall Instead Of 1", Add</i>	15.83	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	26.81	
23 51 16 00-0082	EA		22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	132.73	27.09
			<i>For Aluminum Liner, Add</i>	3.58	
			<i>For Stainless Steel Liner, Add</i>	4.88	
			<i>For 2" Wall Instead Of 1", Add</i>	26.27	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	42.80	
23 51 16 00-0083 Adjustable Roof Flashing (23 51 16 00-0001)					
23 51 16 00-0084	EA		3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	39.21	11.48
			<i>For Aluminum Liner, Add</i>	0.58	
			<i>For Stainless Steel Liner, Add</i>	0.79	
			<i>For 2" Wall Instead Of 1", Add</i>	6.03	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	10.48	
23 51 16 00-0085	EA		4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	43.98	12.12
			<i>For Aluminum Liner, Add</i>	0.75	
			<i>For Stainless Steel Liner, Add</i>	1.02	
			<i>For 2" Wall Instead Of 1", Add</i>	7.12	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	12.20	
23 51 16 00-0086	EA		6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	57.17	13.74
			<i>For Aluminum Liner, Add</i>	1.25	
			<i>For Stainless Steel Liner, Add</i>	1.71	
			<i>For 2" Wall Instead Of 1", Add</i>	10.27	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	17.13	
23 51 16 00-0087	EA		8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	70.81	15.87
			<i>For Aluminum Liner, Add</i>	1.71	
			<i>For Stainless Steel Liner, Add</i>	2.34	
			<i>For 2" Wall Instead Of 1", Add</i>	13.31	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	21.95	
23 51 16 00-0088	EA		10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	128.46	17.23
			<i>For Aluminum Liner, Add</i>	4.70	
			<i>For Stainless Steel Liner, Add</i>	6.41	
			<i>For 2" Wall Instead Of 1", Add</i>	29.93	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	47.05	
23 51 16 00-0089	EA		12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	155.29	18.77
			<i>For Aluminum Liner, Add</i>	5.96	
			<i>For Stainless Steel Liner, Add</i>	8.13	
			<i>For 2" Wall Instead Of 1", Add</i>	37.21	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	58.16	
23 51 16 00-0090	EA		14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	184.82	20.65
			<i>For Aluminum Liner, Add</i>	7.33	
			<i>For Stainless Steel Liner, Add</i>	9.99	
			<i>For 2" Wall Instead Of 1", Add</i>	45.12	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	70.26	
23 51 16 00-0091	EA		16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	222.77	22.97
			<i>For Aluminum Liner, Add</i>	9.09	
			<i>For Stainless Steel Liner, Add</i>	12.40	
			<i>For 2" Wall Instead Of 1", Add</i>	55.35	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	85.89	
23 51 16 00-0092	EA		18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	349.31	25.80
			<i>For Aluminum Liner, Add</i>	15.66	
			<i>For Stainless Steel Liner, Add</i>	21.36	
			<i>For 2" Wall Instead Of 1", Add</i>	91.89	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	141.05	
23 51 16 00-0093	EA		20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	376.30	34.39
			<i>For Aluminum Liner, Add</i>	15.97	
			<i>For Stainless Steel Liner, Add</i>	21.77	
			<i>For 2" Wall Instead Of 1", Add</i>	95.69	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	147.83	
23 51 16 00-0094	EA		22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	478.06	44.25
			<i>For Aluminum Liner, Add</i>	20.21	
			<i>For Stainless Steel Liner, Add</i>	27.56	
			<i>For 2" Wall Instead Of 1", Add</i>	121.29	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	187.47	
23 51 16 00-0095	EA		24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	569.95	51.62
			<i>For Aluminum Liner, Add</i>	24.25	
			<i>For Stainless Steel Liner, Add</i>	33.07	
			<i>For 2" Wall Instead Of 1", Add</i>	145.18	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	224.22	
23 51 16 00-0096 Galvanized Storm Collars (23 51 16 00-0001)					
23 51 16 00-0097	EA		3" Round Galvanized Storm Collar, Double Wall	15.10	4.84
			<i>For Aluminum Liner, Add</i>	0.17	
			<i>For Stainless Steel Liner, Add</i>	0.23	
			<i>For 2" Wall Instead Of 1", Add</i>	2.12	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	3.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0098 EA 4" Round Galvanized Storm Collar, Double Wall.....	18.98	6.19
<i>For Aluminum Liner, Add</i>	0.19	
<i>For Stainless Steel Liner, Add</i>	0.26	
<i>For 2" Wall Instead Of 1", Add</i>	2.60	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	4.67	
23 51 16 00-0099 EA 5" Round Galvanized Storm Collar, Double Wall.....	22.42	7.22
<i>For Aluminum Liner, Add</i>	0.24	
<i>For Stainless Steel Liner, Add</i>	0.33	
<i>For 2" Wall Instead Of 1", Add</i>	3.11	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	5.57	
23 51 16 00-0100 EA 6" Round Galvanized Storm Collar, Double Wall.....	25.88	8.26
<i>For Aluminum Liner, Add</i>	0.29	
<i>For Stainless Steel Liner, Add</i>	0.39	
<i>For 2" Wall Instead Of 1", Add</i>	3.63	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	6.48	
23 51 16 00-0101 EA 7" Or 8" Round Galvanized Storm Collar, Double Wall.....	32.76	10.32
<i>For Aluminum Liner, Add</i>	0.38	
<i>For Stainless Steel Liner, Add</i>	0.52	
<i>For 2" Wall Instead Of 1", Add</i>	4.67	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	8.29	
23 51 16 00-0102 EA 10" Round Galvanized Storm Collar, Double Wall.....	45.74	13.93
<i>For Aluminum Liner, Add</i>	0.60	
<i>For Stainless Steel Liner, Add</i>	0.82	
<i>For 2" Wall Instead Of 1", Add</i>	6.75	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	11.87	
23 51 16 00-0103 EA 12" Round Galvanized Storm Collar, Double Wall.....	56.33	17.29
<i>For Aluminum Liner, Add</i>	0.72	
<i>For Stainless Steel Liner, Add</i>	0.98	
<i>For 2" Wall Instead Of 1", Add</i>	8.25	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	14.54	
23 51 16 00-0104 EA 14" Or 16" Round Galvanized Storm Collar, Double Wall.....	73.85	20.65
<i>For Aluminum Liner, Add</i>	1.22	
<i>For Stainless Steel Liner, Add</i>	1.67	
<i>For 2" Wall Instead Of 1", Add</i>	11.83	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	20.33	
23 51 16 00-0105 EA 18" Or 20" Round Galvanized Storm Collar, Double Wall.....	101.54	24.51
<i>For Aluminum Liner, Add</i>	2.21	
<i>For Stainless Steel Liner, Add</i>	3.02	
<i>For 2" Wall Instead Of 1", Add</i>	18.20	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	30.37	
23 51 16 00-0106 EA 22" Or 24" Round Galvanized Storm Collar, Double Wall.....	152.53	27.09
<i>For Aluminum Liner, Add</i>	4.66	
<i>For Stainless Steel Liner, Add</i>	6.36	
<i>For 2" Wall Instead Of 1", Add</i>	32.21	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	51.71	
23 51 16 00-0107 Oval Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)		
23 51 16 00-0108 Oval Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0107)		
23 51 16 00-0109 LF 4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	28.34	6.06
<i>For 2" Wall Instead Of 1", Add</i>	5.47	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	8.96	
23 51 16 00-0110 LF 5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	31.65	6.46
<i>For 2" Wall Instead Of 1", Add</i>	6.29	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	10.24	
23 51 16 00-0111 LF 6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	35.36	6.90
<i>For 2" Wall Instead Of 1", Add</i>	7.16	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	11.61	
23 51 16 00-0112 45 Degree Elbows (23 51 16 00-0107)		
23 51 16 00-0113 EA 4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	63.03	12.58
<i>For 2" Wall Instead Of 1", Add</i>	12.62	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	20.50	
23 51 16 00-0114 EA 5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	73.52	14.71
<i>For 2" Wall Instead Of 1", Add</i>	14.70	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	23.89	
23 51 16 00-0115 EA 6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	88.73	16.64
<i>For 2" Wall Instead Of 1", Add</i>	18.30	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	29.52	
23 51 16 00-0116 EA 4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	64.61	12.58
<i>For 2" Wall Instead Of 1", Add</i>	13.09	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	21.21	
23 51 16 00-0117 EA 5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	77.36	14.71
<i>For 2" Wall Instead Of 1", Add</i>	15.85	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	25.62	
23 51 16 00-0118 EA 6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	91.21	16.64
<i>For 2" Wall Instead Of 1", Add</i>	19.04	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	30.64	
23 51 16 00-0119 Tees (23 51 16 00-0107)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51	16 00-0120	EA	4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	107.98 22.84 36.64	19.09
23 51	16 00-0121	EA	4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	110.46 23.58 37.76	19.09
23 51	16 00-0122	EA	5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	126.98 27.13 43.43	21.94
23 51	16 00-0123	EA	6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	145.97 31.50 50.33	24.58
23 51	16 00-0124		Tops/Caps And Adjustable Flashing <small>(23 51 16 00-0107)</small>		
23 51	16 00-0125	EA	4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	42.82 9.74 15.38	6.19
23 51	16 00-0126	EA	6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	68.71 16.45 25.72	8.32
23 51	16 00-0127	EA	4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	33.12 6.83 11.02	6.19
23 51	16 00-0128	EA	6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	59.58 13.71 21.61	8.32
23 51	16 00-0129		Storm Collars <small>(23 51 16 00-0107)</small>		
23 51	16 00-0130	EA	4" Oval Galvanized Storm Collar, Double Wall <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	18.98 2.60 4.67	6.19
23 51	16 00-0131	EA	5" Oval Galvanized Storm Collar, Double Wall <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	22.42 3.11 5.57	7.22
23 51	16 00-0132	EA	6" Oval Galvanized Storm Collar, Double Wall <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	25.88 3.63 6.48	8.26
23 51	16 00-0133		Round Double Wall Flue/Vent Pipe And Fittings <small>(23 51 16)</small>		
			Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51	16 00-0134		Round Double Wall Flue/Vent Pipe <small>(23 51 16 00-0133)</small>		
			Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51	16 00-0135	LF	6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	75.25 9.28 5.80 11.60	6.90
23 51	16 00-0136	LF	8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	90.69 11.33 7.08 14.16	7.94
23 51	16 00-0137	LF	10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	100.84 12.70 7.94 15.87	8.58
23 51	16 00-0138	LF	12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	113.90 14.47 9.05 18.09	9.35
23 51	16 00-0139	LF	14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	128.68 16.66 10.41 20.82	9.80
23 51	16 00-0140	LF	16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	135.93 17.61 11.01 22.02	10.32
23 51	16 00-0141	LF	18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	150.92 19.80 12.37 24.75	10.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0142 LF 20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	184.68	17.23
<i>For 316 Stainless Steel, Add</i>	22.66	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	14.17	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	28.33	
23 51 16 00-0143 LF 24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	231.01	19.36
<i>For 316 Stainless Steel, Add</i>	29.22	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	18.26	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	36.52	
23 51 16 00-0144 90 Degree Elbows <small>(23 51 16 00-0133)</small>		
23 51 16 00-0145 EA 6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	365.01	14.25
<i>For 316 Stainless Steel, Add</i>	65.88	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	32.94	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	65.88	
23 51 16 00-0146 EA 8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	403.18	15.87
<i>For 316 Stainless Steel, Add</i>	72.70	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	36.35	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	72.70	
23 51 16 00-0147 EA 10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	459.46	17.23
<i>For 316 Stainless Steel, Add</i>	83.28	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	41.64	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	83.28	
23 51 16 00-0148 EA 12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	519.63	18.77
<i>For 316 Stainless Steel, Add</i>	94.55	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	47.27	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	94.55	
23 51 16 00-0149 EA 14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	603.81	19.68
<i>For 316 Stainless Steel, Add</i>	110.93	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	55.47	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	110.93	
23 51 16 00-0150 EA 16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	665.99	20.65
<i>For 316 Stainless Steel, Add</i>	122.88	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	61.44	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	122.88	
23 51 16 00-0151 EA 18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	771.10	21.74
<i>For 316 Stainless Steel, Add</i>	143.36	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	71.68	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	143.36	
23 51 16 00-0152 EA 20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	888.13	34.39
<i>For 316 Stainless Steel, Add</i>	160.42	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	80.21	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	160.42	
23 51 16 00-0153 EA 24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,095.13	38.70
<i>For 316 Stainless Steel, Add</i>	199.67	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	99.84	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	199.67	
23 51 16 00-0154 45 Degree Elbows <small>(23 51 16 00-0133)</small>		
23 51 16 00-0155 EA 6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	240.89	13.74
<i>For 316 Stainless Steel, Add</i>	41.30	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	20.65	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	41.30	
23 51 16 00-0156 EA 8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	275.18	15.87
<i>For 316 Stainless Steel, Add</i>	47.10	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	23.55	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	47.10	
23 51 16 00-0157 EA 10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	305.85	17.23
<i>For 316 Stainless Steel, Add</i>	52.56	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	26.28	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	52.56	
23 51 16 00-0158 EA 12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	348.98	18.77
<i>For 316 Stainless Steel, Add</i>	60.41	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	30.21	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	60.41	
23 51 16 00-0159 EA 14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	393.90	19.68
<i>For 316 Stainless Steel, Add</i>	68.95	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	34.47	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	68.95	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0160	EA		16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	442.42	20.65
			<i>For 316 Stainless Steel, Add</i>	78.16	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	39.08	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	78.16	
23 51 16 00-0161	EA		18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	496.33	21.74
			<i>For 316 Stainless Steel, Add</i>	88.40	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	44.20	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	88.40	
23 51 16 00-0162	EA		20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	591.19	34.39
			<i>For 316 Stainless Steel, Add</i>	101.03	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	50.52	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	101.03	
23 51 16 00-0163	EA		24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	745.28	38.70
			<i>For 316 Stainless Steel, Add</i>	129.70	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	64.85	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	129.70	
23 51 16 00-0164 Tees <small>(23 51 16 00-0133)</small>					
23 51 16 00-0165	EA		6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	259.79	17.23
			<i>For 316 Stainless Steel, Add</i>	47.68	
			<i>For Tee Cap, Add</i>	58.42	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	21.67	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	43.35	
23 51 16 00-0166	EA		8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	296.07	18.77
			<i>For 316 Stainless Steel, Add</i>	54.82	
			<i>For Tee Cap, Add</i>	66.25	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	24.92	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	49.83	
23 51 16 00-0167	EA		10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	340.97	19.68
			<i>For 316 Stainless Steel, Add</i>	64.20	
			<i>For Tee Cap, Add</i>	75.57	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	29.18	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	58.37	
23 51 16 00-0168	EA		12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	392.92	20.65
			<i>For 316 Stainless Steel, Add</i>	75.09	
			<i>For Tee Cap, Add</i>	86.32	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	34.13	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	68.26	
23 51 16 00-0169	EA		14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	460.10	22.97
			<i>For 316 Stainless Steel, Add</i>	88.61	
			<i>For Tee Cap, Add</i>	100.62	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	40.28	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	80.55	
23 51 16 00-0170	EA		16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	516.73	25.80
			<i>For 316 Stainless Steel, Add</i>	99.50	
			<i>For Tee Cap, Add</i>	113.02	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	45.23	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	90.45	
23 51 16 00-0171	EA		18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	602.72	29.48
			<i>For 316 Stainless Steel, Add</i>	116.39	
			<i>For Tee Cap, Add</i>	131.59	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	52.91	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	105.81	
23 51 16 00-0172	EA		20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	688.39	36.45
			<i>For 316 Stainless Steel, Add</i>	131.41	
			<i>For Tee Cap, Add</i>	151.34	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	59.73	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	119.46	
23 51 16 00-0173	EA		24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	871.40	51.62
			<i>For 316 Stainless Steel, Add</i>	163.32	
			<i>For Tee Cap, Add</i>	193.63	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	74.24	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	148.48	
23 51 16 00-0174 Bellows <small>(23 51 16 00-0133)</small>					
23 51 16 00-0175	EA		6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	502.00	13.74
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	46.76	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	93.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0176 EA 8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	546.53	15.87
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	50.69	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	101.37	
23 51 16 00-0177 EA 10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	597.70	17.23
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	55.47	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	110.93	
23 51 16 00-0178 EA 12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	661.28	18.77
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	61.44	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	122.88	
23 51 16 00-0179 EA 14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	740.34	19.68
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	69.12	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	138.24	
23 51 16 00-0180 EA 16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	819.58	20.65
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	76.80	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	153.59	
23 51 16 00-0181 EA 18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	916.16	21.74
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	86.18	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	172.37	
23 51 16 00-0182 EA 20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,058.78	34.39
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	97.28	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	194.55	
23 51 16 00-0183 EA 24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,308.47	38.70
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	121.17	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	242.34	
23 51 16 00-0184 Ventilated Roof Thimbles <small>(23 51 16 00-0133)</small>		
23 51 16 00-0185 EA 6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	329.82	15.87
<i>For 316 Stainless Steel, Add</i>	29.01	
23 51 16 00-0186 EA 8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	357.50	18.77
<i>For 316 Stainless Steel, Add</i>	31.06	
23 51 16 00-0187 EA 10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	391.21	20.65
<i>For 316 Stainless Steel, Add</i>	33.96	
23 51 16 00-0188 EA 12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	422.60	22.97
<i>For 316 Stainless Steel, Add</i>	36.52	
23 51 16 00-0189 EA 14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	540.29	24.32
<i>For 316 Stainless Steel, Add</i>	47.96	
23 51 16 00-0190 EA 16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	480.91	25.80
<i>For 316 Stainless Steel, Add</i>	41.64	
23 51 16 00-0191 EA 18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	517.68	27.55
<i>For 316 Stainless Steel, Add</i>	44.88	
23 51 16 00-0192 EA 20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	578.04	38.70
<i>For 316 Stainless Steel, Add</i>	48.13	
23 51 16 00-0193 EA 24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	648.05	44.19
<i>For 316 Stainless Steel, Add</i>	53.76	
23 51 16 00-0194 Exit Cones <small>(23 51 16 00-0133)</small>		
23 51 16 00-0195 EA 6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	228.96	8.97
23 51 16 00-0196 EA 8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	241.32	9.80
23 51 16 00-0197 EA 10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	259.61	10.32
23 51 16 00-0198 EA 12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	271.21	10.83
23 51 16 00-0199 EA 14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	299.24	11.16
23 51 16 00-0200 EA 16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	327.28	11.42
23 51 16 00-0201 EA 18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	398.09	11.80
23 51 16 00-0202 EA 20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	493.91	22.13
23 51 16 00-0203 EA 24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	622.72	23.81

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0204			Vent Top Caps <small>(23 51 16 00-0133)</small>		
23 51 16 00-0205	EA		6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	251.10	8.97
23 51 16 00-0206	EA		8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	290.81	9.80
23 51 16 00-0207	EA		10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	338.09	10.32
23 51 16 00-0208	EA		12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	388.94	10.83
23 51 16 00-0209	EA		14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	454.51	11.16
23 51 16 00-0210	EA		16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	516.75	11.48
23 51 16 00-0211	EA		18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	575.60	11.80
23 51 16 00-0212	EA		20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	686.70	22.13
23 51 16 00-0213	EA		24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	818.98	23.81
23 51 16 00-0214			Roof Support Assemblies <small>(23 51 16 00-0133)</small>		
23 51 16 00-0215	EA		6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	377.44	16.51
			<i>For 316 Stainless Steel, Add</i>	67.24	
23 51 16 00-0216	EA		8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	416.08	19.68
			<i>For 316 Stainless Steel, Add</i>	73.38	
23 51 16 00-0217	EA		10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	457.04	21.74
			<i>For 316 Stainless Steel, Add</i>	80.55	
23 51 16 00-0218	EA		12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	487.32	24.26
			<i>For 316 Stainless Steel, Add</i>	85.33	
23 51 16 00-0219	EA		14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	544.07	25.80
			<i>For 316 Stainless Steel, Add</i>	95.91	
23 51 16 00-0220	EA		16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	577.39	27.55
			<i>For 316 Stainless Steel, Add</i>	101.71	
23 51 16 00-0221	EA		18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	619.92	29.54
			<i>For 316 Stainless Steel, Add</i>	109.22	
23 51 16 00-0222	EA		20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	683.47	41.29
			<i>For 316 Stainless Steel, Add</i>	116.05	
23 51 16 00-0223	EA		24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	767.63	47.67
			<i>For 316 Stainless Steel, Add</i>	129.70	
23 51 16 00-0224			Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings <small>(23 51 16)</small>		
			Note: With 1" insulation.		
23 51 16 00-0225			Round Stainless Steel Double Wall Flue/Vent Pipe <small>(23 51 16 00-0224)</small>		
			Note: With 1" insulation.		
23 51 16 00-0226	LF		6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	65.02	6.90
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	4.78	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	9.56	
23 51 16 00-0227	LF		7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	79.88	7.35
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	6.14	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	12.29	
23 51 16 00-0228	LF		8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	91.55	7.94
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	7.17	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	14.34	
23 51 16 00-0229	LF		10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	125.54	8.58
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	10.41	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	20.82	
23 51 16 00-0230	LF		12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	163.42	9.42
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	13.99	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	27.99	
23 51 16 00-0231	LF		14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	208.94	9.88
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	18.43	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	36.86	
23 51 16 00-0232			90 Degree Elbows <small>(23 51 16 00-0224)</small>		
23 51 16 00-0233	EA		6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	141.07	13.74
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	10.67	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	21.33	
23 51 16 00-0234	EA		7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	156.30	14.71
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	11.95	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	23.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0235 EA 8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	176.22 13.65 27.31	15.87
23 51 16 00-0236 EA 10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	220.52 17.75 35.50	17.23
23 51 16 00-0237 EA 12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	263.65 21.67 43.35	18.77
23 51 16 00-0238 EA 14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	308.53 25.94 51.88	19.68
23 51 16 00-0239 45 Degree Elbows <small>(23 51 16 00-0224)</small>		
23 51 16 00-0240 EA 6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	114.42 8.00 16.00	13.74
23 51 16 00-0241 EA 7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	126.43 8.96 17.92	14.71
23 51 16 00-0242 EA 8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	142.10 10.24 20.48	15.87
23 51 16 00-0243 EA 10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	176.15 13.31 26.62	17.23
23 51 16 00-0244 EA 12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	209.45 16.26 32.51	18.77
23 51 16 00-0245 EA 14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	243.71 19.46 38.91	19.68
23 51 16 00-0246 Tees With Tee Caps <small>(23 51 16 00-0224)</small>		
23 51 16 00-0247 EA 6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	235.76 20.14 40.28	13.74
23 51 16 00-0248 EA 7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	299.66 26.28 52.56	14.71
23 51 16 00-0249 EA 8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	336.62 29.70 59.39	15.87
23 51 16 00-0250 EA 10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	461.11 41.81 83.62	17.23
23 51 16 00-0251 EA 12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	635.66 58.88 117.76	18.77
23 51 16 00-0252 EA 14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	817.08 76.80 153.59	19.68
23 51 16 00-0253 Joist Shields <small>(23 51 16 00-0224)</small>		
23 51 16 00-0254 EA 6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	95.83	13.74
23 51 16 00-0255 EA 7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	103.40	14.71
23 51 16 00-0256 EA 8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	121.59	15.87
23 51 16 00-0257 EA 10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	153.13	17.23
23 51 16 00-0258 EA 12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	184.28	18.77
23 51 16 00-0259 EA 14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	219.79	19.68
23 51 16 00-0260 Adjustable Roof Flashing <small>(23 51 16 00-0224)</small>		
23 51 16 00-0261 EA 6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	115.45	13.74
23 51 16 00-0262 EA 7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	128.99	14.71
23 51 16 00-0263 EA 8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	140.36	15.87
23 51 16 00-0264 EA 10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	171.89	17.23
23 51 16 00-0265 EA 12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	213.33	18.77
23 51 16 00-0266 EA 14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	257.32	19.61
23 51 16 00-0267 Vent Top Caps <small>(23 51 16 00-0224)</small>		
23 51 16 00-0268 EA 6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	102.65	13.74
23 51 16 00-0269 EA 7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	129.84	14.71
23 51 16 00-0270 EA 8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	164.25	15.87
23 51 16 00-0271 EA 10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	266.63	17.23
23 51 16 00-0272 EA 12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	366.07	18.77
23 51 16 00-0273 EA 14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	468.97	19.68

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0274			Roof Support Assemblies (23 51 16 00-0224)		
23 51 16 00-0275	EA		6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	156.36	13.74
23 51 16 00-0276	EA		7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	174.21	14.71
23 51 16 00-0277	EA		8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	188.99	15.87
23 51 16 00-0278	EA		10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	239.26	17.23
23 51 16 00-0279	EA		12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	284.12	18.77
23 51 16 00-0280	EA		14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	349.50	19.68
23 51 16 00-0281			Polyvinyl Chloride (PVC) Flue/Vent Accessories (23 51 16)		
23 51 16 00-0282			Concentric Polyvinyl Chloride (PVC) Vent Termination (23 51 16 00-0281)		
23 51 16 00-0283	EA		2" Concentric Polyvinyl Chloride (PVC) Vent Termination	126.47	26.28
23 51 16 00-0284	EA		3" Concentric Polyvinyl Chloride (PVC) Vent Termination	137.03	26.28
23 51 16 00-0285			Polypropylene (PP) Flue/Vent Pipe And Fittings (23 51 16)		
			Note: Centrotherm InnoFlue® Vent System		
23 51 16 00-0286			Polypropylene Flue/Vent Rigid Pipe Sections (23 51 16 00-0285)		
			Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.		
23 51 16 00-0287	EA		2" x 12" Polypropylene Flue/Vent Rigid Pipe Section	24.09	7.98
23 51 16 00-0288	EA		2" x 24" Polypropylene Flue/Vent Rigid Pipe Section	27.32	8.40
23 51 16 00-0289	EA		2" x 36" Polypropylene Flue/Vent Rigid Pipe Section	31.28	9.33
23 51 16 00-0290	EA		2" x 72" Polypropylene Flue/Vent Rigid Pipe Section	38.79	10.98
23 51 16 00-0291	EA		3" x 12" Polypropylene Flue/Vent Rigid Pipe Section	28.91	9.15
23 51 16 00-0292	EA		3" x 24" Polypropylene Flue/Vent Rigid Pipe Section	34.77	9.63
23 51 16 00-0293	EA		3" x 36" Polypropylene Flue/Vent Rigid Pipe Section	42.56	10.70
23 51 16 00-0294	EA		3" x 72" Polypropylene Flue/Vent Rigid Pipe Section	52.57	12.59
23 51 16 00-0295	EA		4" x 12" Polypropylene Flue/Vent Rigid Pipe Section	47.51	12.10
23 51 16 00-0296	EA		4" x 24" Polypropylene Flue/Vent Rigid Pipe Section	55.96	12.74
23 51 16 00-0297	EA		4" x 36" Polypropylene Flue/Vent Rigid Pipe Section	69.43	14.15
23 51 16 00-0298	EA		4" x 72" Polypropylene Flue/Vent Rigid Pipe Section	89.81	16.65
23 51 16 00-0299	EA		5" x 12" Polypropylene Flue/Vent Rigid Pipe Section	70.46	17.86
23 51 16 00-0300	EA		5" x 24" Polypropylene Flue/Vent Rigid Pipe Section	80.43	18.80
23 51 16 00-0301	EA		5" x 36" Polypropylene Flue/Vent Rigid Pipe Section	104.23	20.89
23 51 16 00-0302	EA		5" x 72" Polypropylene Flue/Vent Rigid Pipe Section	135.25	24.58
23 51 16 00-0303			Polypropylene Flue/Vent Elbows (23 51 16 00-0285)		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0304	EA		2" Polypropylene Flue/Vent 15 Degree Elbow	29.77	9.69
23 51 16 00-0305	EA		3" Polypropylene Flue/Vent 15 Degree Elbow	34.70	10.21
23 51 16 00-0306	EA		4" Polypropylene Flue/Vent 15 Degree Elbow	43.13	10.58
23 51 16 00-0307	EA		5" Polypropylene Flue/Vent 15 Degree Elbow	49.96	11.02
23 51 16 00-0308	EA		2" Polypropylene Flue/Vent 30 Degree Elbow	29.77	9.69
23 51 16 00-0309	EA		3" Polypropylene Flue/Vent 30 Degree Elbow	34.70	10.21
23 51 16 00-0310	EA		4" Polypropylene Flue/Vent 30 Degree Elbow	43.13	10.58
23 51 16 00-0311	EA		5" Polypropylene Flue/Vent 30 Degree Elbow	49.96	11.02
23 51 16 00-0312	EA		2" Polypropylene Flue/Vent 45 Degree Elbow	29.77	9.69
23 51 16 00-0313	EA		3" Polypropylene Flue/Vent 45 Degree Elbow	34.70	10.21
23 51 16 00-0314	EA		4" Polypropylene Flue/Vent 45 Degree Elbow	43.13	10.58
23 51 16 00-0315	EA		5" Polypropylene Flue/Vent 45 Degree Elbow	49.96	11.02
23 51 16 00-0316	EA		2" Polypropylene Flue/Vent 87 Degree Elbow	29.77	9.69
23 51 16 00-0317	EA		3" Polypropylene Flue/Vent 87 Degree Elbow	34.70	10.21
23 51 16 00-0318	EA		4" Polypropylene Flue/Vent 87 Degree Elbow	42.61	10.58
23 51 16 00-0319	EA		5" Polypropylene Flue/Vent 87 Degree Elbow	51.24	11.02
23 51 16 00-0320			Polypropylene Flue/Vent Tees (23 51 16 00-0285)		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0321	EA		2" Polypropylene Flue/Vent Tee	90.98	14.55
23 51 16 00-0322	EA		3" Polypropylene Flue/Vent Tee	114.01	15.31
23 51 16 00-0323	EA		4" Polypropylene Flue/Vent Tee	133.58	15.87
23 51 16 00-0324	EA		5" Polypropylene Flue/Vent Tee	146.08	16.51
23 51 16 00-0325			Polypropylene Flue/Vent Adaptors (23 51 16 00-0285)		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0326	EA		2" Polypropylene Flue/Vent Adaptor With Gasket.....	34.83	9.69
23 51 16 00-0327	EA		3" Polypropylene Flue/Vent Adaptor With Gasket.....	49.43	10.21
23 51 16 00-0328	EA		4" Polypropylene Flue/Vent Adaptor With Gasket.....	57.39	10.58
23 51 16 00-0329	EA		5" Polypropylene Flue/Vent Adaptor With Gasket.....	77.84	11.02
23 51 16 00-0330			Polypropylene Flue/Vent Increases (23 51 16 00-0285)		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0331	EA		2" to 3" Polypropylene Flue/Vent Centric Increaser	38.48	9.96
23 51 16 00-0332	EA		3" to 4" Polypropylene Flue/Vent Centric Increaser	42.08	10.39
23 51 16 00-0333	EA		4" to 5" Polypropylene Flue/Vent Centric Increaser	74.71	10.79
23 51 16 00-0334	EA		2" to 3" Polypropylene Flue/Vent Eccentric Increaser.....	51.46	9.96



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 51 16 00-0335 EA 3" to 4" Polypropylene Flue/Vent Eccentric Increaser		41.02	10.39
	23 51 16 00-0336 EA 4" to 5" Polypropylene Flue/Vent Eccentric Increaser		102.43	10.79
23 51 16 00-0337	Polypropylene Flue/Vent Reducers (23 51 16 00-0285) Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.			
	23 51 16 00-0338 EA 3" to 2" Polypropylene Flue/Vent Reducer.....		38.48	9.96
	23 51 16 00-0339 EA 4" to 3" Polypropylene Flue/Vent Reducer.....		42.08	10.39
	23 51 16 00-0340 EA 5" to 4" Polypropylene Flue/Vent Reducer.....		91.99	10.79
23 51 16 00-0341	Polypropylene Flue/Vent Test Ports (23 51 16 00-0285) Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.			
	23 51 16 00-0342 EA 2" Polypropylene Flue/Vent Test Port.....		49.05	14.55
	23 51 16 00-0343 EA 3" Polypropylene Flue/Vent Test Port.....		54.90	15.31
	23 51 16 00-0344 EA 4" Polypropylene Flue/Vent Test Port.....		83.08	15.87
	23 51 16 00-0345 EA 5" Polypropylene Flue/Vent Test Port.....		88.66	16.51
23 51 16 00-0346	Polypropylene Flue/Vent Cascade Components (23 51 16 00-0285) Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.			
	23 51 16 00-0347 EA 4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder		135.91	15.87
	23 51 16 00-0348 EA 4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder		177.88	19.84
	23 51 16 00-0349 EA 5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder		112.23	16.51
	23 51 16 00-0350 EA 5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder		165.77	20.65
	23 51 16 00-0351 EA 3" to 4" Polypropylene Flue/Vent Non-Return Valve.....		172.23	10.39
	23 51 16 00-0352 EA 4" to 4" Polypropylene Flue/Vent Non-Return Valve.....		199.24	10.79
23 51 16 00-0353	Polypropylene Flue/Vent Condensate Management (23 51 16 00-0285) Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.			
	23 51 16 00-0354 EA 2" Polypropylene Flue/Vent Horizontal Drain Tee.....		66.58	14.55
	23 51 16 00-0355 EA 3" Polypropylene Flue/Vent Horizontal Drain Tee.....		80.18	15.31
	23 51 16 00-0356 EA 4" Polypropylene Flue/Vent Horizontal Drain Tee.....		91.62	15.87
	23 51 16 00-0357 EA 5" Polypropylene Flue/Vent Horizontal Drain Tee.....		104.35	16.51
	23 51 16 00-0358 EA 4" Polypropylene Flue/Vent Horizontal Drain Fittings		115.34	15.87
	23 51 16 00-0359 EA 5" Polypropylene Flue/Vent Horizontal Drain Fittings		127.04	16.51
	23 51 16 00-0360 EA 2" Polypropylene Flue/Vent Tee Cap.....		37.92	4.85
	23 51 16 00-0361 EA 3" Polypropylene Flue/Vent Tee Cap.....		48.54	5.10
	23 51 16 00-0362 EA 4" Polypropylene Flue/Vent Tee Cap.....		57.58	5.29
	23 51 16 00-0363 EA 5" Polypropylene Flue/Vent Tee Cap.....		75.03	5.51
	23 51 16 00-0364 EA 2" Polypropylene Flue/Vent Tee Cap With Drain		74.16	14.55
	23 51 16 00-0365 EA 3" Polypropylene Flue/Vent Tee Cap With Drain		90.70	15.31
	23 51 16 00-0366 EA 4" Polypropylene Flue/Vent Tee Cap With Drain		104.67	15.87
	23 51 16 00-0367 EA 5" Polypropylene Flue/Vent Tee Cap With Drain		125.79	16.51
23 51 16 00-0368	Polypropylene Flue/Vent Terminations (23 51 16 00-0285)			
	23 51 16 00-0369 EA 2" Polypropylene-UV Black Flue/Vent Chimney Cover		95.23	9.69
	23 51 16 00-0370 EA 3" Polypropylene-UV Black Flue/Vent Chimney Cover		84.22	10.21
	23 51 16 00-0371 EA 4" Polypropylene-UV Black Flue/Vent Chimney Cover		105.11	10.58
	23 51 16 00-0372 EA 3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe		213.23	10.21
	23 51 16 00-0373 EA 4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe		227.64	10.58
	23 51 16 00-0374 EA 5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe		265.57	11.02
	23 51 16 00-0375 EA 2"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar		56.75	9.69
	23 51 16 00-0376 EA 2"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar		60.00	9.69
	23 51 16 00-0377 EA 2"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar		63.25	9.69
	23 51 16 00-0378 EA 2"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar		66.50	9.69
	23 51 16 00-0379 EA 3"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar		61.27	10.21
	23 51 16 00-0380 EA 3"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar		64.52	10.21
	23 51 16 00-0381 EA 3"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar		67.77	10.21
	23 51 16 00-0382 EA 3"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar		71.02	10.21
	23 51 16 00-0383 EA 4"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar		68.70	10.58
	23 51 16 00-0384 EA 4"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar		71.95	10.58
	23 51 16 00-0385 EA 4"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar		75.20	10.58
	23 51 16 00-0386 EA 2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination		59.97	9.69
	23 51 16 00-0387 EA 3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination		76.54	10.21
	23 51 16 00-0388 EA 2" Polypropylene-UV Black Flue/Vent Termination Tee.....		70.10	14.55
	23 51 16 00-0389 EA 3" Polypropylene-UV Black Flue/Vent Termination Tee.....		91.84	15.31
	23 51 16 00-0390 EA 4" Polypropylene-UV Black Flue/Vent Termination Tee.....		108.30	15.87
	23 51 16 00-0391 EA 5" Polypropylene-UV Black Flue/Vent Termination Tee.....		119.21	16.51
	23 51 16 00-0392 EA 2" x 20" Polypropylene-UV Black Flue/Vent End Pipe		25.35	8.40
	23 51 16 00-0393 EA 2" x 39" Polypropylene-UV Black Flue/Vent End Pipe		30.24	9.33
	23 51 16 00-0394 EA 3" x 20" Polypropylene-UV Black Flue/Vent End Pipe		30.44	9.63
	23 51 16 00-0395 EA 3" x 39" Polypropylene-UV Black Flue/Vent End Pipe		37.88	10.70
	23 51 16 00-0396 EA 4" x 20" Polypropylene-UV Black Flue/Vent End Pipe		45.73	12.74
	23 51 16 00-0397 EA 5" x 20" Polypropylene-UV Black Flue/Vent End Pipe		63.27	18.80
	23 51 16 00-0398 EA 5" x 39" Polypropylene-UV Black Flue/Vent End Pipe		76.45	20.89
	23 51 16 00-0399 EA 2" x 24" Polypropylene-UV Black Flue/Vent Vent Length		27.96	8.40
	23 51 16 00-0400 EA 3" x 24" Polypropylene-UV Black Flue/Vent Vent Length		35.84	9.63
	23 51 16 00-0401 EA 4" x 24" Polypropylene-UV Black Flue/Vent Vent Length		58.37	12.74

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0402 EA 2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	30.80	9.69
23 51 16 00-0403 EA 3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	36.00	10.21
23 51 16 00-0404 EA 4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	44.79	10.58
23 51 16 00-0405 EA 2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	30.31	9.69
23 51 16 00-0406 EA 3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	35.68	10.21
23 51 16 00-0407 EA 4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	44.22	10.58
23 51 16 00-0408 EA 2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	19.61	4.85
23 51 16 00-0409 EA 3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	22.80	5.10
23 51 16 00-0410 EA 4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	25.50	5.29
23 51 16 00-0411 EA 3" Stainless Steel Bird Screen For Polypropylene Flue/Vent	49.43	5.10
23 51 16 00-0412 EA 5" Stainless Steel Bird Screen For Polypropylene Flue/Vent	56.77	5.51
23 51 16 00-0413 Polypropylene Flue/Vent Accessories (23 51 16 00-0285)		
23 51 16 00-0414 EA 2" Spacer For Polypropylene Flue/Vent	9.99	2.42
23 51 16 00-0415 EA 3" Spacer For Polypropylene Flue/Vent	9.55	2.55
23 51 16 00-0416 EA 4" Spacer For Polypropylene Flue/Vent	9.84	2.64
23 51 16 00-0417 EA 5" Spacer For Polypropylene Flue/Vent	15.38	2.75
23 51 16 00-0418 EA 2" Flue Clamp For Polypropylene Flue/Vent	18.78	3.64
23 51 16 00-0419 EA 3" Flue Clamp For Polypropylene Flue/Vent	22.02	3.82
23 51 16 00-0420 EA 4" Flue Clamp For Polypropylene Flue/Vent	25.52	3.96
23 51 16 00-0421 EA 2" Support Clamp For Polypropylene Flue/Vent	17.88	3.64
23 51 16 00-0422 EA 4" Support Clamp For Polypropylene Flue/Vent	17.87	3.96
23 51 16 00-0423 EA 5" Support Clamp For Polypropylene Flue/Vent	21.71	4.13
23 51 16 00-0424 EA 3" Plastic Support Clamp For Polypropylene Flue/Vent	13.73	3.82
23 51 16 00-0425 EA 2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	27.53	9.69
23 51 16 00-0426 EA 3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	30.30	10.21
23 51 16 00-0427 EA 4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	32.59	10.58
23 51 16 00-0428 EA 5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	36.34	11.02
23 51 16 00-0429 EA 2" Single Wall EDPM Gasket For Polypropylene Flue/Vent	2.09	
23 51 16 00-0430 EA 3" Single Wall EDPM Gasket For Polypropylene Flue/Vent	2.33	
23 51 16 00-0431 EA 4" Single Wall EDPM Gasket For Polypropylene Flue/Vent	3.16	
23 51 16 00-0432 EA 5" Single Wall EDPM Gasket For Polypropylene Flue/Vent	5.22	
23 51 16 00-0433 EA 2" Connector Ring For Polypropylene Flue/Vent	8.30	2.42
23 51 16 00-0434 EA 3" Connector Ring For Polypropylene Flue/Vent	9.39	2.55
23 51 16 00-0435 EA 4" Connector Ring For Polypropylene Flue/Vent	10.10	2.64
23 51 16 00-0436 EA 5" Connector Ring For Polypropylene Flue/Vent	11.14	2.75
23 51 16 00-0437 EA 2"/4" Polypropylene Flue/Vent Air Intake, White	41.18	4.85
23 51 16 00-0438 EA 3"/5" Polypropylene Flue/Vent Air Intake, White	42.22	5.10
23 51 16 00-0439 EA 4"/6" Polypropylene Flue/Vent Air Intake, White	31.47	5.29
23 51 16 00-0440 EA 2" Base Support For Polypropylene Flue/Vent	35.76	3.64
23 51 16 00-0441 EA 3" Base Support For Polypropylene Flue/Vent	36.88	3.82
23 51 16 00-0442 EA 4" Base Support For Polypropylene Flue/Vent	49.45	3.96
23 51 16 00-0443 EA 5" Base Support For Polypropylene Flue/Vent	83.61	4.13
23 51 16 00-0444 Polypropylene Flue/Vent Flex Pipe (23 51 16 00-0285)		
23 51 16 00-0445 LF 2", Up To 50', Polypropylene Flue/Vent Flex Pipe	6.47	0.85
23 51 16 00-0446 LF 2", > 50', Polypropylene Flue/Vent Flex Pipe	5.60	0.85
23 51 16 00-0447 LF 3", Up To 50', Polypropylene Flue/Vent Flex Pipe	7.94	1.01
23 51 16 00-0448 LF 3", > 50', Polypropylene Flue/Vent Flex Pipe	6.85	1.01
23 51 16 00-0449 LF 4", Up To 50', Polypropylene Flue/Vent Flex Pipe	11.45	1.24
23 51 16 00-0450 LF 4", > 50', Polypropylene Flue/Vent Flex Pipe	9.78	1.24
23 51 16 00-0451 Polypropylene Flue/Vent Couplers (23 51 16 00-0285)		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0452 EA 2" Polypropylene Flue/Vent Coupler, Single Wall to Flex	45.78	9.69
23 51 16 00-0453 EA 2" Polypropylene Flue/Vent Coupler, Flex to Single Wall	51.21	9.69
23 51 16 00-0454 EA 3" Polypropylene Flue/Vent Coupler, Flex to Single Wall	103.68	10.21
23 51 16 00-0455 EA 4" Polypropylene Flue/Vent Coupler, Flex to Single Wall	188.95	10.58
23 51 16 00-0456 EA 2" Polypropylene Flue/Vent Coupler, Flex to Flex	52.81	9.69
23 51 16 00-0457 EA 3" Polypropylene Flue/Vent Coupler, Flex to Flex	123.51	10.21
23 51 16 00-0458 EA 4" Polypropylene Flue/Vent Coupler, Flex to Flex	318.95	10.58
23 51 16 00-0459 Polypropylene Flue/Vent Flex End Terminations (23 51 16 00-0285)		
23 51 16 00-0460 EA 2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	60.01	9.69
23 51 16 00-0461 EA 3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	55.51	10.21
23 51 16 00-0462 EA 4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	68.52	10.58

23 52 Heating Boilers (23 50)**23 52 16 Condensing Boilers (23 52)****23 52 16 13 Stainless-Steel Condensing Boilers (23 52 16)****23 52 16 13-0001 Hamilton Evo Series Stainless Steel Condensing Boilers (23 52 16 13)**

Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code).



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0002	EA			75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79)	9,657.67	259.22
23 52 16 13-0003	EA			127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129)	9,001.50	342.17
23 52 16 13-0004	EA			168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179)	9,588.80	384.94
23 52 16 13-0005	EA			187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1)	10,230.40	427.71
23 52 16 13-0006	EA			281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299)	13,323.38	427.71
23 52 16 13-0007	EA			374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399)	15,588.46	518.44
23 52 16 13-0008	EA			589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599)	20,979.79	556.02
23 52 16 13-0009	EA			785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798)	29,424.13	684.34
				Note: Includes vent manifold.		
23 52 16 13-0010	EA			980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998)	36,030.58	748.50
				Note: Includes vent manifold.		
23 52 16 13-0011	EA			1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499)	52,129.25	876.81
23 52 16 13-0012	EA			1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999)	57,460.18	940.96
23 52 16 13-0013				Buderus SB615 Stainless Steel Condensing Boilers (23 52 16 13)		
				Note: Includes Riello burners. Capacity given is IBR rating.		
23 52 16 13-0014	EA			484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145)	26,496.75	556.02
23 52 16 13-0015	EA			612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185)	27,648.71	556.02
23 52 16 13-0016	EA			791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240)	30,936.62	684.34
23 52 16 13-0017	EA			1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310)	33,499.74	769.88
23 52 16 13-0018	EA			1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400)	37,213.22	812.65
23 52 16 13-0019	EA			1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510)	42,655.43	876.81
23 52 16 13-0020	EA			2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640)	51,041.53	940.96
23 52 16 13-0021				Buderus SB735 Stainless Steel Condensing Boilers (23 52 16 13)		
				Note: Includes Riello burners.		
23 52 16 13-0022	EA			2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790)	53,862.77	1,026.51
23 52 16 13-0023	EA			3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970)	62,451.07	1,069.28
23 52 16 13-0024	EA			4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200)	72,440.65	1,133.44
23 52 16 13-0025				Lochinvar Knight Stainless Steel Condensing Boilers (23 52 16 13)		
23 52 16 13-0026	EA			165 MBH 95.7% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211)	6,062.42	384.94
23 52 16 13-0027	EA			226 MBH 96% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN286)	7,913.19	427.71
23 52 16 13-0028				Lochinvar Knight XL Stainless Steel Condensing Boilers (23 52 16 13)		
23 52 16 13-0029	EA			324 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN400)	10,472.20	513.25
23 52 16 13-0030	EA			406 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN501)	12,942.76	518.44
23 52 16 13-0031	EA			493 MBH 94.6% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN601)	15,200.77	556.02
23 52 16 13-0032	EA			574 MBH 94.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN701)	17,422.08	556.02
23 52 16 13-0033	EA			654 MBH 94% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN801)	20,055.55	620.18
23 52 16 13-0034				Lochinvar SYNC Stainless Steel Condensing Boilers (23 52 16 13)		
23 52 16 13-0035	EA			941 MBH 94.1% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1000)	27,465.00	748.50
23 52 16 13-0036	EA			1,240 MBH 95.4% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1300)	31,274.89	812.65
23 52 16 13-0037	EA			1,443 MBH 96.2% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1500)	33,588.80	876.81
23 52 16 13-0038				Lochinvar Crest Stainless Steel Condensing Boilers (23 52 16 13)		
23 52 16 13-0039	EA			1,380 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1500)	33,303.72	812.65
23 52 16 13-0040	EA			1,840 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2000)	39,879.79	898.19
23 52 16 13-0041	EA			2,300 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2500)	52,029.57	983.73
23 52 16 13-0042	EA			2,760 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3000)	57,361.32	1,035.58
23 52 16 13-0043	EA			3,220 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3500)	68,137.14	1,035.58
23 52 16 13-0044				Laars Neotherm Stainless Steel Condensing Boiler (23 52 16 13)		
				Note: Compliant with SCAQMD.		
23 52 16 13-0045	EA			80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080)	5,722.68	256.63
23 52 16 13-0046	EA			105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105)	6,474.61	278.01
23 52 16 13-0047	EA			150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150)	7,382.32	384.94
23 52 16 13-0048	EA			210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210)	8,222.28	427.71
23 52 16 13-0049	EA			285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285)	10,469.44	427.71
23 52 16 13-0050	EA			399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399)	13,209.10	513.25
23 52 16 13-0051	EA			500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500)	17,044.56	556.02
23 52 16 13-0052	EA			600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600)	18,182.38	556.02
23 52 16 13-0053	EA			750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750)	19,787.37	641.57

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0054 EA 850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850)	21,357.52	727.11
23 52 16 13-0055 EA 1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000)	30,838.85	769.88
23 52 16 13-0056 EA 1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700)	41,082.89	898.19
23 52 16 13-0057 EA 150 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV150).....	7,930.12	384.94
23 52 16 13-0058 EA 199 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV199).....	9,364.33	427.71
23 52 16 13-0059 EA 285 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV285).....	11,959.81	427.71
23 52 16 13-0060 EA 399 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV399).....	14,586.52	513.25
23 52 16 13-0061 EA 500 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV500).....	18,266.82	556.02
23 52 16 13-0062 EA 600 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV600).....	18,900.12	556.02
23 52 16 13-0063 EA 750 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV750).....	20,869.26	641.57
23 52 16 13-0064 EA 800 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV800).....	22,395.29	684.34
23 52 16 13-0065 EA 1,000 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV1000).....	30,838.85	769.88
23 52 16 13-0066 EA 1,700 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV1700).....	41,082.89	898.19
23 52 16 13-0067 AERCO Benchmark Stainless-Steel Condensing Boilers (23 52 16 13)		
23 52 16 13-0068 EA 1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN)	30,460.51	876.81
Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0069 EA 2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN)	36,168.80	940.96
Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0070 EA 3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000).....	52,007.13	1,035.58
Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0071 EA 3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000)	55,431.68	1,035.58
Note: Includes gas PRV and pump delay relay.		
23 52 16 16 Aluminum Condensing Boilers (23 52 16)		
23 52 16 16-0001 Patterson Kelly Mach Series Aluminum Condensing Boilers (23 52 16 16)		
Note: Compliant with SCAQMD.		
23 52 16 16-0002 EA 300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C300)	13,359.40	427.71
23 52 16 16-0003 EA 450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C450)	15,184.99	518.44
23 52 16 16-0004 EA 750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C750)	17,161.28	648.05
23 52 16 16-0005 EA 900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C900)	25,565.80	727.11
23 52 16 16-0006 EA 1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1050)	26,700.23	769.88
23 52 16 16-0007 EA 1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1500)	41,624.99	876.81
23 52 16 16-0008 EA 2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2000)	45,079.85	940.96
23 52 16 16-0009 EA 2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2500)	52,225.15	1,026.51
23 52 16 16-0010 EA 3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C3000)	64,735.99	1,026.51
23 52 16 16-0011 EA 4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C4000)	79,273.38	1,133.44
23 52 16 16-0012 Weil McLain Aluminum Condensing Boilers (23 52 16 16)		
23 52 16 16-0013 EA 80 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80)	4,584.70	259.22
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0014 EA 105 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80)	4,996.12	278.01
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0015 EA 155 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80)	5,782.30	384.94
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0016 EA 230 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80)	6,489.61	427.71
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0017 EA 310 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80)	8,352.33	513.25
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0018 Buderus GB142 Wall Hung Aluminum Condensing Boilers (23 52 16 16)		
Note: Includes standard controls.		
23 52 16 16-0019 EA 75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24)	5,592.83	259.22
Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0020 EA 95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30)	6,428.16	278.01
Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0021 EA 143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45)	7,390.54	342.17
Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0022 EA 193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60)	8,211.66	427.71
Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0023 EA Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46)	235.85	64.80
23 52 16 16-0024 EA Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3).....	324.16	64.80
23 52 16 16-0025 EA Optional GB Floor Stand For GB142 (Buderus 7098265).....	749.11	64.80
23 52 16 16-0026 Buderus GB162 Wall Hung Aluminum Condensing Boilers (23 52 16 16)		
Note: Includes standard controls.		
23 52 16 16-0027 EA 290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80)	7,507.91	427.71
Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.		
23 52 16 16-0028 EA 333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100)	9,422.54	513.25
Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0029 EA 580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	18,691.10	609.49
23 52 16 16-0030 EA 580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2)..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	17,445.79	609.49
23 52 16 16-0031 EA 666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	22,293.52	620.18
23 52 16 16-0032 EA 666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2)..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	21,048.22	620.18
23 52 16 16-0033 EA 870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	25,914.55	727.11
23 52 16 16-0034 EA 999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	31,399.18	769.88
23 52 16 16-0035 EA 1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	32,258.55	812.65
23 52 16 16-0036 EA 1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4)..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	32,757.30	812.65
23 52 16 16-0037 EA 1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	39,398.58	812.65
23 52 16 16-0038 EA 1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4)..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	39,897.33	812.65
23 52 16 16-0039 EA EMS Control Module For Condensing Boiler (Buderus RC35).....	520.50	64.80
23 52 16 16-0040 Buderus GB312 Aluminum Condensing Boilers <small>(23 52 16 16)</small> Note: Includes standard controls.		
23 52 16 16-0041 EA 305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90)..... Note: Includes an aluminum heat exchanger.	15,093.95	427.71
23 52 16 16-0042 EA 409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120)..... Note: Includes an aluminum heat exchanger.	16,748.33	518.44
23 52 16 16-0043 EA 544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160)..... Note: Includes an aluminum heat exchanger.	19,885.81	556.02
23 52 16 16-0044 EA 676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200)..... Note: Includes an aluminum heat exchanger.	22,947.32	620.18
23 52 16 16-0045 EA 810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240)..... Note: Includes an aluminum heat exchanger.	27,544.75	684.34
23 52 16 16-0046 EA 944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280)..... Note: Includes an aluminum heat exchanger.	30,427.06	748.50
23 52 16 16-0047 EA Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985).....	448.78	32.40
23 52 16 16-0048 EA Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125).....	205.59	32.40
23 52 16 16-0049 EA Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550).....	304.15	32.40
23 52 16 16-0050 EA Optional Condensate Neutralization Tank For GB312 (Buderus 63035899).....	670.22	32.40

23 52 16 19 Copper Water-Tube Condensing Boilers (23 52 16)

23 52 16 19-0001 Laars Rheos+ Copper Fin Tube Condensing Boilers (23 52 16 19)

23 52 16 19-0002 EA 1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	31,261.37	812.65
23 52 16 19-0003 EA 1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	35,258.55	898.19
23 52 16 19-0004 EA 2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	38,607.48	940.96
23 52 16 19-0005 EA 2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	41,811.18	1,026.51

23 52 16 23 Cast Iron Condensing Boilers (23 52 16)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 23-0001 Hydrotherm KN Cast Iron Condensing Boilers <small>(23 52 16 23)</small> Note: Compliant with SCAQMD.		
23 52 16 23-0002 EA 199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2).....	10,536.99	427.71
23 52 16 23-0003 EA 399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4).....	15,362.32	518.44
23 52 16 23-0004 EA 600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6).....	25,226.79	556.02
23 52 16 23-0005 EA 1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10).....	33,289.72	769.88
23 52 16 23-0006 EA 1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16).....	44,429.88	898.19
23 52 16 23-0007 EA 1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20).....	48,480.67	940.96
23 52 16 23-0008 EA 2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26).....	61,772.14	1,026.51
23 52 16 23-0009 EA 3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30).....	67,484.51	1,026.51
23 52 23 Cast-Iron Boilers <small>(23 52)</small>		
23 52 23 00-0001 Weil-McLain Model 80 Cast Iron Boiler <small>(23 52 23)</small> Note: Capacities are the steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0002 Gas Fired Weil-McLain Model 80 Cast Iron Boiler <small>(23 52 23 00-0001)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0003 EA 208 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler.....	12,140.33	2,285.88
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0004 EA 297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler.....	13,304.99	2,438.28
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0005 EA 386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler.....	14,582.17	2,590.67
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0006 EA 476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler.....	15,768.05	2,743.06
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0007 EA 565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler.....	16,861.29	2,895.45
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0008 EA 654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler.....	18,367.38	3,047.85
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0009 EA 743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler.....	19,525.54	3,200.24
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0010 EA 833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler.....	20,439.59	3,352.63
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0011 EA 922 MBH Steam, 1069 MBH Water Gas Fired Cast Iron Boiler.....	21,350.21	3,505.02
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0012 EA 1,018 MBH Steam, 1172 MBH Water Gas Fired Cast Iron Boiler.....	22,405.73	3,657.42
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0013 Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler <small>(23 52 23 00-0001)</small>		
23 52 23 00-0014 EA 208 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler.....	8,817.51	275.00
Note: Weil-McLain Model 80. Fire tested factory assembled package unit.		
23 52 23 00-0015 EA 297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler.....	9,832.86	275.00
Note: Weil-McLain Model 80. Fire tested factory assembled package unit.		
23 52 23 00-0016 EA 386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler.....	11,237.66	343.76
Note: Weil-McLain Model 80. Fire tested factory assembled package unit.		
23 52 23 00-0017 EA 476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler.....	12,272.96	343.76
Note: Weil-McLain Model 80. Fire tested factory assembled package unit.		
23 52 23 00-0018 EA 565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler.....	13,494.02	412.51
Note: Weil-McLain Model 80. Fire tested factory assembled package unit.		
23 52 23 00-0019 EA 654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler.....	14,863.22	412.51
Note: Weil-McLain Model 80. Fire tested factory assembled package unit.		
23 52 23 00-0020 EA 743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler.....	16,147.27	481.26
Note: Weil-McLain Model 80. Fire tested factory assembled package unit.		
23 52 23 00-0021 EA 833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler.....	17,187.73	550.01
Note: Weil-McLain Model 80. Fire tested factory assembled package unit.		
23 52 23 00-0022 EA 922 MBH Steam, 1069 MBH Water Gas Fired Package Cast Iron Boiler.....	17,951.08	550.01
Note: Weil-McLain Model 80. Fire tested factory assembled package unit.		
23 52 23 00-0023 EA 1,018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler.....	19,131.17	618.76
Note: Weil-McLain Model 80. Fire tested factory assembled package unit.		
23 52 23 00-0024 Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler <small>(23 52 23 00-0001)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0025 EA 208 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler.....	12,733.58	2,285.88
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0026 EA 297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler.....	14,004.29	2,438.28
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0027 EA 386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler.....	15,217.42	2,590.67
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0028 EA 476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler.....	16,575.50	2,743.06
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0029 EA 565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler.....	17,690.79	2,895.45
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0030 EA 654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler.....	19,331.28	3,047.85
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0031 EA 743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler.....	20,352.94	3,200.24
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0032 EA 833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler.....	21,345.74	3,352.63
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0033 EA 922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	22,257.41	3,505.02
23 52 23 00-0034 EA 1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	23,341.28	3,657.42
23 52 23 00-0035 Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)		
23 52 23 00-0036 EA 208 MBH Steam, 242 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	9,410.76	275.00
23 52 23 00-0037 EA 297 MBH Steam, 344 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	10,532.16	275.00
23 52 23 00-0038 EA 386 MBH Steam, 448 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	11,872.91	343.76
23 52 23 00-0039 EA 476 MBH Steam, 551 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	13,080.41	343.76
23 52 23 00-0040 EA 565 MBH Steam, 655 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	14,323.52	412.51
23 52 23 00-0041 EA 654 MBH Steam, 758 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	15,827.12	412.51
23 52 23 00-0042 EA 743 MBH Steam, 862 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	16,974.67	481.26
23 52 23 00-0043 EA 833 MBH Steam, 965 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	18,093.88	550.01
23 52 23 00-0044 EA 922 MBH Steam, 1069 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	18,858.28	550.01
23 52 23 00-0045 EA 1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	20,066.72	618.76
23 52 23 00-0046 Weil-McLain Model 88 Cast Iron Boiler (23 52 23) Note: Capacities are the steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0047 Gas Fired Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046) Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0048 EA 608 MBH Steam, 704 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	19,934.44	3,428.83
23 52 23 00-0049 EA 813 MBH Steam, 943 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	22,063.98	3,638.37
23 52 23 00-0050 EA 1,028 MBH Steam, 1,161 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	24,708.09	3,847.91
23 52 23 00-0051 EA 1,254 MBH Steam, 1,419 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	27,033.70	4,057.45
23 52 23 00-0052 EA 1,477 MBH Steam, 1,656 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	29,051.22	4,266.98
23 52 23 00-0053 EA 1,688 MBH Steam, 1,892 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	31,990.51	4,476.52
23 52 23 00-0054 EA 1,904 MBH Steam, 2,132 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	34,027.37	4,686.06
23 52 23 00-0055 EA 2,116 MBH Steam, 2,369 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	35,825.34	4,895.60
23 52 23 00-0056 EA 2,329 MBH Steam, 2,609 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	38,237.26	5,105.14
23 52 23 00-0057 EA 2,539 MBH Steam, 2,843 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	40,170.47	5,314.68
23 52 23 00-0058 EA 2,756 MBH Steam, 3,087 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	43,258.92	5,524.22
23 52 23 00-0059 EA 2,966 MBH Steam, 3,322 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	45,096.69	5,733.76
23 52 23 00-0060 EA 3,175 MBH Steam, 3,557 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	47,048.10	5,943.30
23 52 23 00-0061 EA 3,383 MBH Steam, 3,800 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	49,226.28	6,152.84
23 52 23 00-0062 EA 3,602 MBH Steam, 4,035 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	50,992.14	6,362.38
23 52 23 00-0063 Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)		
23 52 23 00-0064 EA 608 MBH Steam, 704 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	16,161.97	481.26
23 52 23 00-0065 EA 813 MBH Steam, 943 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	18,326.98	550.01
23 52 23 00-0066 EA 1,028 MBH Steam, 1,161 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	21,019.07	618.76
23 52 23 00-0067 EA 1,254 MBH Steam, 1,419 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	23,369.92	687.51
23 52 23 00-0068 EA 1,477 MBH Steam, 1,656 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	25,146.52	687.51
23 52 23 00-0069 EA 1,688 MBH Steam, 1,892 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	28,124.22	756.26
23 52 23 00-0070 EA 1,904 MBH Steam, 2,132 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	29,922.87	756.26
23 52 23 00-0071 EA 2,116 MBH Steam, 2,369 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	31,756.08	825.00

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0072	EA	2,329 MBH Steam, 2,609 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	33,930.63	825.00
23 52 23 00-0073	EA	2,539 MBH Steam, 2,843 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	35,899.31	893.75
23 52 23 00-0074	EA	2,756 MBH Steam, 3,087 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	37,803.90	962.51
23 52 23 00-0075	EA	2,966 MBH Steam, 3,322 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	39,404.10	962.51
23 52 23 00-0076	EA	3,175 MBH Steam, 3,557 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	41,391.64	1,031.26
23 52 23 00-0077	EA	3,383 MBH Steam, 3,800 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	43,330.99	1,031.26
23 52 23 00-0078	EA	3,602 MBH Steam, 4,035 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	45,154.71	1,100.01
23 52 23 00-0079		Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046) Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0080	EA	608 MBH Steam, 704 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	20,665.24	3,428.83
23 52 23 00-0081	EA	813 MBH Steam, 943 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	22,790.58	3,638.37
23 52 23 00-0082	EA	1,028 MBH Steam, 1,161 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	25,623.69	3,847.91
23 52 23 00-0083	EA	1,254 MBH Steam, 1,419 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	28,041.70	4,057.45
23 52 23 00-0084	EA	1,477 MBH Steam, 1,656 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	29,956.32	4,266.98
23 52 23 00-0085	EA	1,688 MBH Steam, 1,892 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	32,838.91	4,476.52
23 52 23 00-0086	EA	1,904 MBH Steam, 2,132 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	35,301.02	4,686.06
23 52 23 00-0087	EA	2,116 MBH Steam, 2,369 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	37,098.99	4,895.60
23 52 23 00-0088	EA	2,329 MBH Steam, 2,609 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	39,485.71	5,105.14
23 52 23 00-0089	EA	2,539 MBH Steam, 2,843 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	41,955.47	5,314.68
23 52 23 00-0090	EA	2,756 MBH Steam, 3,087 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	45,134.22	5,524.22
23 52 23 00-0091	EA	2,966 MBH Steam, 3,322 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	47,603.04	5,733.76
23 52 23 00-0092	EA	3,175 MBH Steam, 3,557 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	48,922.35	5,943.30
23 52 23 00-0093	EA	3,383 MBH Steam, 3,800 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	51,043.83	6,152.84
23 52 23 00-0094	EA	3,602 MBH Steam, 4,035 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	52,829.64	6,362.38
23 52 23 00-0095		Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)		
23 52 23 00-0096	EA	608 MBH Steam, 704 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	16,892.77	481.26
23 52 23 00-0097	EA	813 MBH Steam, 943 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	19,053.58	550.01
23 52 23 00-0098	EA	1,028 MBH Steam, 1,161 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	21,924.17	618.76
23 52 23 00-0099	EA	1,254 MBH Steam, 1,419 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	24,377.92	687.51
23 52 23 00-0100	EA	1,477 MBH Steam, 1,656 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	26,053.72	687.51
23 52 23 00-0101	EA	1,688 MBH Steam, 1,892 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	28,972.62	756.26
23 52 23 00-0102	EA	1,904 MBH Steam, 2,132 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	31,196.52	756.26
23 52 23 00-0103	EA	2,116 MBH Steam, 2,369 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	33,029.73	825.00
23 52 23 00-0104	EA	2,329 MBH Steam, 2,609 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	35,179.08	825.00
23 52 23 00-0105	EA	2,539 MBH Steam, 2,843 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	37,689.56	893.75
23 52 23 00-0106	EA	2,756 MBH Steam, 3,087 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	39,679.20	962.51
23 52 23 00-0107	EA	2,966 MBH Steam, 3,322 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	40,860.45	962.51
23 52 23 00-0108	EA	3,175 MBH Steam, 3,557 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	43,265.89	1,031.26
23 52 23 00-0109	EA	3,383 MBH Steam, 3,800 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	45,148.54	1,031.26
23 52 23 00-0110	EA	3,602 MBH Steam, 4,035 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	46,971.21	1,100.01



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0111		Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23)</small> Note: Capacities are the steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0112		Gas Fired Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0113	EA	1,575 MBH Steam, 1,763 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	55,297.09	6,667.16
23 52 23 00-0114	EA	1,801 MBH Steam, 2,017 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	60,008.39	7,048.14
23 52 23 00-0115	EA	2,028 MBH Steam, 2,271 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	64,304.32	7,429.13
23 52 23 00-0116	EA	2,255 MBH Steam, 2,525 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	68,509.12	7,810.11
23 52 23 00-0117	EA	2,477 MBH Steam, 2,774 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	72,753.50	8,191.09
23 52 23 00-0118	EA	2,702 MBH Steam, 3,026 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	78,077.93	8,572.07
23 52 23 00-0119	EA	2,927 MBH Steam, 3,278 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	82,072.72	8,953.05
23 52 23 00-0120	EA	3,160 MBH Steam, 3,539 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	85,935.58	9,334.03
23 52 23 00-0121	EA	3,385 MBH Steam, 3,791 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	92,271.44	9,715.01
23 52 23 00-0122	EA	3,610 MBH Steam, 4,043 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	96,132.05	10,095.99
23 52 23 00-0123	EA	3,835 MBH Steam, 4,296 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	99,433.11	10,476.97
23 52 23 00-0124	EA	4,061 MBH Steam, 4,548 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	105,545.46	10,857.95
23 52 23 00-0125	EA	4,286 MBH Steam, 4,800 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	109,438.85	11,238.93
23 52 23 00-0126	EA	4,511 MBH Steam, 5,052 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	115,693.18	11,619.91
23 52 23 00-0127	EA	4,736 MBH Steam, 5,304 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	119,795.87	12,000.90
23 52 23 00-0128	EA	4,961 MBH Steam, 5,557 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	124,292.12	12,381.88
23 52 23 00-0129	EA	5,186 MBH Steam, 5,809 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	128,143.28	12,762.86
23 52 23 00-0130	EA	5,411 MBH Steam, 6,061 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	132,107.41	13,143.84
23 52 23 00-0131		Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
23 52 23 00-0132	EA	1,575 MBH Steam, 1,763 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	50,105.81	893.75
23 52 23 00-0133	EA	1,801 MBH Steam, 2,017 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	54,661.65	962.51
23 52 23 00-0134	EA	2,028 MBH Steam, 2,271 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	58,799.59	1,031.26
23 52 23 00-0135	EA	2,255 MBH Steam, 2,525 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	62,849.31	1,100.01
23 52 23 00-0136	EA	2,477 MBH Steam, 2,774 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	66,660.81	1,100.01
23 52 23 00-0137	EA	2,702 MBH Steam, 3,026 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	70,611.93	1,168.76
23 52 23 00-0138	EA	2,927 MBH Steam, 3,278 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	74,174.58	1,168.76
23 52 23 00-0139	EA	3,160 MBH Steam, 3,539 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	77,880.95	1,237.51
23 52 23 00-0140	EA	3,385 MBH Steam, 3,791 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	83,785.10	1,237.51
23 52 23 00-0141	EA	3,610 MBH Steam, 4,043 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	87,490.41	1,306.26
23 52 23 00-0142	EA	3,835 MBH Steam, 4,296 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	90,359.01	1,306.26
23 52 23 00-0143	EA	4,061 MBH Steam, 4,548 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	96,316.66	1,375.01
23 52 23 00-0144	EA	4,286 MBH Steam, 4,800 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	99,777.46	1,375.01
23 52 23 00-0145	EA	4,511 MBH Steam, 5,052 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	105,894.71	1,443.76
23 52 23 00-0146	EA	4,736 MBH Steam, 5,304 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	109,545.56	1,443.76
23 52 23 00-0147	EA	4,961 MBH Steam, 5,557 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	113,884.06	1,512.51
23 52 23 00-0148	EA	5,186 MBH Steam, 5,809 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	117,303.91	1,512.51
23 52 23 00-0149	EA	5,411 MBH Steam, 6,061 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	121,111.07	1,581.27

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 52 23 00-0150		Oil Fired Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>			
		Note: Field assembled boilers can only be used in situations where package units cannot be installed.			
23 52 23 00-0151	EA	1,575 MBH Steam, 1,763 MBH Water Oil Fired Cast Iron Boiler.....	52,163.89		6,667.16
		Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.			
23 52 23 00-0152	EA	1,801 MBH Steam, 2,017 MBH Water Oil Fired Cast Iron Boiler.....	56,875.19		7,048.14
		Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.			
23 52 23 00-0153	EA	2,028 MBH Steam, 2,271 MBH Water Oil Fired Cast Iron Boiler.....	62,622.22		7,429.13
		Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.			
23 52 23 00-0154	EA	2,255 MBH Steam, 2,525 MBH Water Oil Fired Cast Iron Boiler.....	66,447.97		7,810.11
		Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.			
23 52 23 00-0155	EA	2,477 MBH Steam, 2,774 MBH Water Oil Fired Cast Iron Boiler.....	70,434.05		8,191.09
		Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.			
23 52 23 00-0156	EA	2,702 MBH Steam, 3,026 MBH Water Oil Fired Cast Iron Boiler.....	75,469.73		8,572.07
		Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.			
23 52 23 00-0157	EA	2,927 MBH Steam, 3,278 MBH Water Oil Fired Cast Iron Boiler.....	79,659.82		8,953.05
		Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.			
23 52 23 00-0158	EA	3,160 MBH Steam, 3,539 MBH Water Oil Fired Cast Iron Boiler.....	83,524.78		9,334.03
		Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.			
23 52 23 00-0159	EA	3,385 MBH Steam, 3,791 MBH Water Oil Fired Cast Iron Boiler.....	90,610.34		9,715.01
		Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.			
23 52 23 00-0160	EA	3,610 MBH Steam, 4,043 MBH Water Oil Fired Cast Iron Boiler.....	94,472.00		10,095.99
		Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.			
23 52 23 00-0161	EA	3,835 MBH Steam, 4,296 MBH Water Oil Fired Cast Iron Boiler.....	98,332.71		10,476.97
		Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.			
23 52 23 00-0162	EA	4,061 MBH Steam, 4,548 MBH Water Oil Fired Cast Iron Boiler.....	105,552.81		10,857.95
		Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.			
23 52 23 00-0163	EA	4,286 MBH Steam, 4,800 MBH Water Oil Fired Cast Iron Boiler.....	109,446.20		11,238.93
		Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.			
23 52 23 00-0164	EA	4,511 MBH Steam, 5,052 MBH Water Oil Fired Cast Iron Boiler.....	115,869.58		11,619.91
		Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.			
23 52 23 00-0165	EA	4,736 MBH Steam, 5,304 MBH Water Oil Fired Cast Iron Boiler.....	119,971.22		12,000.90
		Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.			
23 52 23 00-0166	EA	4,961 MBH Steam, 5,557 MBH Water Oil Fired Cast Iron Boiler.....	124,377.17		12,381.88
		Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.			
23 52 23 00-0167	EA	5,186 MBH Steam, 5,809 MBH Water Oil Fired Cast Iron Boiler.....	128,228.33		12,762.86
		Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.			
23 52 23 00-0168	EA	5,411 MBH Steam, 6,061 MBH Water Oil Fired Cast Iron Boiler.....	132,198.76		13,143.84
		Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.			
23 52 23 00-0169		Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>			
23 52 23 00-0170	EA	1,575 MBH Steam, 1,763 MBH Water Oil Fired Package Cast Iron Boiler.....	46,802.51		893.75
		Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.			
23 52 23 00-0171	EA	1,801 MBH Steam, 2,017 MBH Water Oil Fired Package Cast Iron Boiler.....	51,358.35		962.51
		Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.			
23 52 23 00-0172	EA	2,028 MBH Steam, 2,271 MBH Water Oil Fired Package Cast Iron Boiler.....	56,947.39		1,031.26
		Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.			
23 52 23 00-0173	EA	2,255 MBH Steam, 2,525 MBH Water Oil Fired Package Cast Iron Boiler.....	60,618.06		1,100.01
		Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.			
23 52 23 00-0174	EA	2,477 MBH Steam, 2,774 MBH Water Oil Fired Package Cast Iron Boiler.....	64,171.26		1,100.01
		Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.			
23 52 23 00-0175	EA	2,702 MBH Steam, 3,026 MBH Water Oil Fired Package Cast Iron Boiler.....	67,833.63		1,168.76
		Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.			
23 52 23 00-0176	EA	2,927 MBH Steam, 3,278 MBH Water Oil Fired Package Cast Iron Boiler.....	71,591.58		1,168.76
		Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.			
23 52 23 00-0177	EA	3,160 MBH Steam, 3,539 MBH Water Oil Fired Package Cast Iron Boiler.....	75,297.95		1,237.51
		Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.			
23 52 23 00-0178	EA	3,385 MBH Steam, 3,791 MBH Water Oil Fired Package Cast Iron Boiler.....	81,953.90		1,237.51
		Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.			
23 52 23 00-0179	EA	3,610 MBH Steam, 4,043 MBH Water Oil Fired Package Cast Iron Boiler.....	85,658.16		1,306.26
		Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.			
23 52 23 00-0180	EA	3,835 MBH Steam, 4,296 MBH Water Oil Fired Package Cast Iron Boiler.....	89,088.51		1,306.26
		Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.			
23 52 23 00-0181	EA	4,061 MBH Steam, 4,548 MBH Water Oil Fired Package Cast Iron Boiler.....	96,153.91		1,375.01
		Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.			
23 52 23 00-0182	EA	4,286 MBH Steam, 4,800 MBH Water Oil Fired Package Cast Iron Boiler.....	99,614.71		1,375.01
		Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.			
23 52 23 00-0183	EA	4,511 MBH Steam, 5,052 MBH Water Oil Fired Package Cast Iron Boiler.....	105,880.01		1,443.76
		Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.			
23 52 23 00-0184	EA	4,736 MBH Steam, 5,304 MBH Water Oil Fired Package Cast Iron Boiler.....	109,550.81		1,443.76
		Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.			
23 52 23 00-0185	EA	4,961 MBH Steam, 5,557 MBH Water Oil Fired Package Cast Iron Boiler.....	113,799.01		1,512.51
		Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.			
23 52 23 00-0186	EA	5,186 MBH Steam, 5,809 MBH Water Oil Fired Package Cast Iron Boiler.....	117,218.86		1,512.51
		Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.			
23 52 23 00-0187	EA	5,411 MBH Steam, 6,061 MBH Water Oil Fired Package Cast Iron Boiler.....	121,032.32		1,581.27
		Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.			
23 52 23 00-0188		Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>			
		Note: Field assembled boilers can only be used in situations where package units cannot be installed.			
23 52 23 00-0189	EA	1,575 MBH Steam, 1,763 MBH Water Gas/Oil Fired Cast Iron Boiler.....	56,281.99		6,667.16
		Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0190 EA 1,801 MBH Steam, 2,017 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	60,994.34	7,048.14
23 52 23 00-0191 EA 2,028 MBH Steam, 2,271 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	65,559.07	7,429.13
23 52 23 00-0192 EA 2,255 MBH Steam, 2,525 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	69,869.92	7,810.11
23 52 23 00-0193 EA 2,477 MBH Steam, 2,774 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	74,090.15	8,191.09
23 52 23 00-0194 EA 2,702 MBH Steam, 3,026 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	78,571.43	8,572.07
23 52 23 00-0195 EA 2,927 MBH Steam, 3,278 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	83,711.77	8,953.05
23 52 23 00-0196 EA 3,160 MBH Steam, 3,539 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	87,832.93	9,334.03
23 52 23 00-0197 EA 3,385 MBH Steam, 3,791 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	94,333.64	9,715.01
23 52 23 00-0198 EA 3,610 MBH Steam, 4,043 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	98,194.25	10,095.99
23 52 23 00-0199 EA 3,835 MBH Steam, 4,296 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	101,568.81	10,476.97
23 52 23 00-0200 EA 4,061 MBH Steam, 4,548 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	107,752.56	10,857.95
23 52 23 00-0201 EA 4,286 MBH Steam, 4,800 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	112,695.95	11,238.93
23 52 23 00-0202 EA 4,511 MBH Steam, 5,052 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	119,513.08	11,619.91
23 52 23 00-0203 EA 4,736 MBH Steam, 5,304 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	123,584.27	12,000.90
23 52 23 00-0204 EA 4,961 MBH Steam, 5,557 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	128,275.82	12,381.88
23 52 23 00-0205 EA 5,186 MBH Steam, 5,809 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	132,128.03	12,762.86
23 52 23 00-0206 EA 5,411 MBH Steam, 6,061 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	136,095.31	13,143.84
23 52 23 00-0207 Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
23 52 23 00-0208 EA 1,575 MBH Steam, 1,763 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	51,167.36	893.75
23 52 23 00-0209 EA 1,801 MBH Steam, 2,017 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	55,724.25	962.51
23 52 23 00-0210 EA 2,028 MBH Steam, 2,271 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	60,134.14	1,031.26
23 52 23 00-0211 EA 2,255 MBH Steam, 2,525 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	64,287.81	1,100.01
23 52 23 00-0212 EA 2,477 MBH Steam, 2,774 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	68,075.16	1,100.01
23 52 23 00-0213 EA 2,702 MBH Steam, 3,026 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	71,182.08	1,168.76
23 52 23 00-0214 EA 2,927 MBH Steam, 3,278 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	75,890.28	1,168.76
23 52 23 00-0215 EA 3,160 MBH Steam, 3,539 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	79,853.90	1,237.51
23 52 23 00-0216 EA 3,385 MBH Steam, 3,791 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	85,925.00	1,237.51
23 52 23 00-0217 EA 3,610 MBH Steam, 4,043 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	89,628.21	1,306.26
23 52 23 00-0218 EA 3,835 MBH Steam, 4,296 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	92,571.36	1,306.26
23 52 23 00-0219 EA 4,061 MBH Steam, 4,548 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	98,600.41	1,375.01
23 52 23 00-0220 EA 4,286 MBH Steam, 4,800 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	103,112.26	1,375.01
23 52 23 00-0221 EA 4,511 MBH Steam, 5,052 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	109,771.31	1,443.76
23 52 23 00-0222 EA 4,736 MBH Steam, 5,304 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	113,411.66	1,443.76
23 52 23 00-0223 EA 4,961 MBH Steam, 5,557 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	117,944.41	1,512.51
23 52 23 00-0224 EA 5,186 MBH Steam, 5,809 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	121,365.31	1,512.51
23 52 23 00-0225 EA 5,411 MBH Steam, 6,061 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	125,176.67	1,581.27
23 52 33 Water-Tube Boilers <small>(23 52)</small>		
23 52 33 13 Finned Water-Tube Boilers <small>(23 52 33)</small>		
23 52 33 13-0001 Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler <small>(23 52 33 13)</small>		
23 52 33 13-0002 EA 200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	6,058.07	384.94
23 52 33 13-0003 EA 300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	6,665.32	427.71
23 52 33 13-0004 EA 400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	7,649.31	513.25

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 13-0005 EA 500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	9,813.04	534.64
23 52 33 13-0006 EA 750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	11,523.42	641.57
23 52 33 13-0007 EA 1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	14,166.32	769.88
23 52 33 13-0008 EA 1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	16,114.50	812.65
23 52 33 13-0009 EA 1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	17,858.17	876.81
23 52 33 13-0010 EA 1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	19,486.07	919.58
23 52 33 13-0011 EA 2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	20,926.15	940.96
23 52 33 13-0012 Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (23 52 33 13)		
23 52 33 13-0013 EA 1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	21,348.56	769.88
23 52 33 13-0014 EA 1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	26,693.85	876.81
23 52 33 13-0015 EA 2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	28,441.96	940.96
23 52 33 13-0016 EA 2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	40,336.12	1,069.28
23 52 33 13-0017 EA 3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	42,280.86	1,197.59
23 52 33 13-0018 Lochinvar Copper-Fin II Finned Tube Boiler (23 52 33 13)		
23 52 33 13-0019 EA 340 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0402)	7,153.88	345.41
For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	260.90 231.12	
23 52 33 13-0020 EA 425 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0502)	8,594.25	431.60
For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	260.90 231.12	
23 52 33 13-0021 EA 552.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0652)	9,241.99	518.44
For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	260.90 231.12	
23 52 33 13-0022 EA 637.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0752)	9,490.84	518.44
For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	260.90 231.12	
23 52 33 13-0023 EA 841.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0992)	11,774.75	648.05
For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	260.90 231.12	
23 52 33 13-0024 EA 1,071 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1262)	13,601.06	648.05
For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	260.90 231.12	
23 52 33 13-0025 EA 1,224 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1442)	14,809.15	648.05
For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	260.90 231.12	
23 52 33 13-0026 EA 1,530 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1802)	15,990.60	777.66
For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	260.90 231.12	
23 52 33 13-0027 EA 1,759.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN2072)	18,908.34	907.27
For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	260.90 231.12	
23 52 33 13-0028 Raypak Cupro-Nickel Finned-Tube Boiler With Pump (23 52 33 13)		
23 52 33 13-0029 EA 385 MBH Water, Gas Fired, On/Off, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H4-399B)	6,944.95	474.75
23 52 33 13-0030 EA 420 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-499B).....	7,479.53	427.71
23 52 33 13-0031 EA 546 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-649B).....	8,307.02	513.25
23 52 33 13-0032 EA 630 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-749B).....	8,820.11	582.66
23 52 33 13-0033 EA 756 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-899B).....	9,797.62	641.57
23 52 33 13-0034 EA 832 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-989B).....	10,536.30	690.56
23 52 33 13-0035 EA 1,058 MBH Water, Gas Fired, Three Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H8-1259B)	12,035.13	769.88
23 52 33 13-0036 EA 1,285 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1529B)	13,964.04	812.65
23 52 33 13-0037 EA 1,512 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1799B)	14,820.16	876.81
23 52 33 13-0038 EA 1,679 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1999B)	17,678.96	898.19
23 52 33 13-0039 EA 1,739 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2069B)	17,743.76	919.58
23 52 33 13-0040 EA 1,966 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2339B)	20,728.25	940.96
23 52 33 16 Steel Water-Tube Boilers (23 52 33)		
23 52 33 16-0001 Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (23 52 33 16)		
Note: Compliant with SCAQMD.		
23 52 33 16-0002 EA 1,250 MBH Input/1,062 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF100).....	44,188.20	1,036.87
23 52 33 16-0003 EA 1,750 MBH Input/1,488 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF150).....	47,557.12	1,296.09
23 52 33 16-0004 EA 2,200 MBH Input/1,870 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF200).....	99,113.96	1,425.71
23 52 33 16-0005 EA 2,750 MBH Input/2,338 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF250).....	102,856.48	1,555.32
23 52 33 16-0006 EA 3,000 MBH Input/2,550 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF300).....	104,670.56	1,749.73
23 52 33 16-0007 EA 3,750 MBH Output/3,188 MBH Input, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ350).....	110,283.79	1,944.14
23 52 33 16-0008 EA 4,300 MBH Input/3,655 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ400).....	112,788.43	2,008.94



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 52 33 16-0009		Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler <small>(23 52 33 16)</small>		
		Note: Compliant with SCAQMD.		
23 52 33 16-0010	EA	1,250 MBH, 31 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF100LSG).....	51,572.51	1,166.48
23 52 33 16-0011	EA	1,750 MBH, 43.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF150LSG).....	54,177.90	1,360.89
23 52 33 16-0012	EA	2,200 MBH, 54.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF200LSG).....	106,368.66	1,490.51
23 52 33 16-0013	EA	2,750 MBH, 68 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF250LSG).....	112,960.56	1,620.12
23 52 33 16-0014	EA	3,000 MBH, 74 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF300LSG).....	115,277.86	1,749.73
23 52 33 16-0015	EA	3,750 MBH, 93 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF350LSG).....	119,782.81	1,944.14
23 52 33 16-0016	EA	4,300 MBH, 106.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF400LSG).....	123,845.63	2,073.75
23 52 33 16-0017	EA	5,400 MBH, 134 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF500LSG).....	122,042.35	2,203.36
23 52 33 16-0018	EA	6,250 MBH, 155 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF600LSG).....	132,117.56	2,332.96
23 52 33 16-0019	EA	7,235 MBH, 179 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF700LSG).....	139,026.43	2,462.58
23 52 33 16-0020	EA	8,270 MBH, 205 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF800LSG).....	142,610.47	2,592.19

23 52 33 16-0021		Unilux 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (South Coast California) <small>(23 52 33 16)</small>		
		Note: Compliant with SCAQMD.		
23 52 33 16-0022	EA	1,250 MBH, 31 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100HS).....	55,530.16	1,166.48
23 52 33 16-0023	EA	1,750 MBH, 43.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150HS).....	58,927.97	1,360.89
23 52 33 16-0024	EA	2,200 MBH, 54.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200HS).....	111,751.55	1,490.51
23 52 33 16-0025	EA	2,750 MBH, 68 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250HS).....	118,501.94	1,620.12
23 52 33 16-0026	EA	3,000 MBH, 74 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300HS).....	120,819.24	1,749.73
23 52 33 16-0027	EA	3,750 MBH, 93 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350HS).....	124,532.88	1,944.14
23 52 33 16-0028	EA	4,300 MBH, 106.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400HS).....	128,750.86	2,073.75
23 52 33 16-0029	EA	5,400 MBH, 134 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500HS).....	126,633.94	2,203.36
23 52 33 16-0030	EA	6,250 MBH, 155 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600HS).....	137,501.56	2,332.96
23 52 33 16-0031	EA	7,235 MBH, 179 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700HS).....	141,876.91	2,462.58
23 52 33 16-0032	EA	8,270 MBH, 205 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800HS).....	147,994.47	2,592.19
23 52 33 16-0033	EA	9,300 MBH, 230 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 900HS).....	164,560.86	2,721.80
23 52 33 16-0034	EA	10,330 MBH, 256 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1000HS).....	237,886.42	2,851.41
23 52 33 16-0035	EA	12,400 MBH, 307 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1200HS).....	249,941.01	2,981.01

23 52 36		Fire-Box Boiler <small>(23 52)</small>		
23 52 36 00-0001		Package Oil Fired Firebox Boilers <small>(23 52 36)</small>		
		Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP). boiler sizes are based on HP rating and gross output.		
23 52 36 00-0002	EA	40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	37,766.30	1,650.02
23 52 36 00-0003	EA	46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	39,516.54	1,787.52
23 52 36 00-0004	EA	53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	41,400.85	1,925.02
23 52 36 00-0005	EA	61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	44,760.37	2,062.52
23 52 36 00-0006	EA	69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	46,778.77	2,200.03
23 52 36 00-0007	EA	80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	48,763.74	2,337.53
23 52 36 00-0008	EA	100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	54,175.13	2,475.02
23 52 36 00-0009	EA	127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	62,630.92	2,750.02
23 52 36 00-0010	EA	151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	71,227.57	3,025.03
23 52 36 00-0011	EA	183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	78,149.42	3,334.40
23 52 36 00-0012	EA	220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	85,071.34	3,643.79
23 52 36 00-0013	EA	257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	89,661.71	4,262.54
23 52 36 00-0014	EA	294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	109,104.62	4,881.30
23 52 36 00-0015	EA	368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	129,016.91	5,500.06
23 52 36 00-0016	EA	441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	149,167.32	6,187.56

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 52 36 00-0017	EA	514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	168,772.78	6,703.19
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23 53 Heating Boiler Feedwater Equipment (23 50)**23 53 13 Boiler Feedwater Pumps** (23 53)

See CSI section 23 53 16 00-0001 for boiler feedwater units.

23 53 16 Deaerators (23 53)**23 53 16 00-0001 Boiler Feed System** (23 53 16)**23 53 16 00-0002 Low Pressure Boiler Feed System** (23 53 16 00-0001)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0003	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	4,615.40	810.08
23 53 16 00-0004	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	4,958.04	954.36
23 53 16 00-0005	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	5,337.57	987.79
23 53 16 00-0006	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	5,506.44	1,024.04
23 53 16 00-0007	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	5,823.56	1,094.42
23 53 16 00-0008	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	9,491.75	1,185.91
23 53 16 00-0009	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	10,731.33	1,266.85
23 53 16 00-0010	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	12,305.77	1,442.80
23 53 16 00-0011	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	13,553.76	1,548.38
23 53 16 00-0012	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	14,607.50	1,653.95

23 53 16 00-0013 High Pressure Boiler Feed System (23 53 16 00-0001)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0014	EA	10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	6,541.03	690.65
23 53 16 00-0015	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	6,787.79	810.08
23 53 16 00-0016	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	7,535.36	954.36
23 53 16 00-0017	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	8,158.02	987.79
23 53 16 00-0018	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	8,295.06	1,024.04
23 53 16 00-0019	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	10,055.03	1,094.42
23 53 16 00-0020	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	13,160.51	1,185.91
23 53 16 00-0021	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	13,482.57	1,266.85
23 53 16 00-0022	EA	183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	14,845.92	1,356.65
23 53 16 00-0023	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	15,981.72	1,442.80
23 53 16 00-0024	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	17,096.31	1,548.38
23 53 16 00-0025	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	18,445.68	1,653.95

23 53 16 00-0026 Boiler Feedwater System (23 53 16)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0027	EA	1,380 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	8,143.86	954.36
23 53 16 00-0028	EA	2,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	10,667.64	1,093.36
23 53 16 00-0029	EA	4,300 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	14,143.37	1,251.36
23 53 16 00-0030	EA	6,900 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	17,034.77	1,443.51
23 53 16 00-0031	EA	8,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	18,073.82	1,548.38
23 53 16 00-0032	EA	11,000 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	19,058.33	1,653.95
23 53 16 00-0033	EA	13,800 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	21,199.73	1,900.35
23 53 16 00-0034	EA	17,250 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	27,510.89	2,181.94
23 53 16 00-0035	EA	20,700 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	35,824.24	2,521.18
23 53 16 00-0036	EA	27,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	45,442.75	2,894.06
23 53 16 00-0037	EA	34,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	58,386.76	3,329.71

23 53 16 00-0038 Duplex Vacuum Condensate Pumps (23 53 16)

23 53 16 00-0039	EA	7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump	16,738.61	563.05
Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.				
23 53 16 00-0040	EA	9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump	17,122.38	598.24
Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.				
23 53 16 00-0041	EA	12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump	17,563.13	633.43
Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.				
23 53 16 00-0042	EA	18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump	19,285.93	668.62
Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.				
23 53 16 00-0043	EA	28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump	23,003.03	703.81
Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.				
23 53 16 00-0044	EA	42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump	24,213.01	739.00
Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.				

23 54 Furnaces (23 50)

Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.

23 54 13 Electric-Resistance Furnaces (23 54)



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 13 00-0001		Down Flow Multi-Speed Air Handler/Electric Furnace <small>(23 54 13)</small>		
23 54 13 00-0002	EA	Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	707.66	64.52
23 54 13 00-0003	EA	>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	935.76	80.65
23 54 13 00-0004	EA	>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,212.03	96.77
23 54 13 00-0005		Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace <small>(23 54 13)</small>		
23 54 13 00-0006	EA	Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	707.66	64.52
23 54 13 00-0007	EA	>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	847.30	72.58
23 54 13 00-0008	EA	>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	925.72	80.65
23 54 13 00-0009	EA	>3 to 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace..... Note: Excludes cooling equipment.	968.01	88.71
23 54 13 00-0010	EA	>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,212.03	96.77
23 54 13 00-0011		Heating Coil For Air Handler/Electric Furnace <small>(23 54 13)</small>		
23 54 13 00-0012	EA	5 KW Heating Coil For Air Handler/Electric Furnace 125.47	125.47	17.57
23 54 13 00-0013	EA	7 KW Heating Coil For Air Handler/Electric Furnace 143.54	143.54	19.33
23 54 13 00-0014	EA	10 KW Heating Coil For Air Handler/Electric Furnace 155.59	155.59	21.09
23 54 13 00-0015	EA	15 KW Heating Coil For Air Handler/Electric Furnace 212.80	212.80	22.84
23 54 13 00-0016	EA	20 KW Heating Coil For Air Handler/Electric Furnace 229.85	229.85	24.60
23 54 16		Fuel-Fired Furnaces <small>(23 54)</small>		
23 54 16 13		Gas-Fired Furnaces <small>(23 54 16)</small>		
23 54 16 13-0001		Natural Gas Fired Forced Air Furnaces <small>(23 54 16 13)</small>		
		Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 13-0002		Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>		
23 54 16 13-0003	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,121.01	56.45
23 54 16 13-0004	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,193.41	64.52
23 54 16 13-0005	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,377.20	72.58
23 54 16 13-0006	EA	100 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,609.31	88.71
23 54 16 13-0007	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,716.84	96.77
23 54 16 13-0008		Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>		
23 54 16 13-0009	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,249.46	56.45
23 54 16 13-0010	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,368.03	64.52
23 54 16 13-0011	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,450.23	72.58
23 54 16 13-0012	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3.5 tons.	1,572.04	80.65
23 54 16 13-0013	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,710.67	88.71
23 54 16 13-0014	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,803.15	96.77
23 54 16 13-0015		Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>		
23 54 16 13-0016	EA	45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,098.88	56.45
23 54 16 13-0017	EA	70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,261.61	64.52
23 54 16 13-0018	EA	90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,366.26	80.65
23 54 16 13-0019	EA	90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,458.73	88.71
23 54 16 13-0020		Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>		
23 54 16 13-0021	EA	40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,446.17	56.45
23 54 16 13-0022	EA	60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,522.59	64.52

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 54 Furnaces**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0023 EA 80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,695.34	72.58
23 54 16 13-0024 EA 100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,850.17	88.71
23 54 16 13-0025 EA 120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,982.79	96.77
23 54 16 13-0026 Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0027 EA 40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	998.56	56.45
23 54 16 13-0028 EA 60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,051.90	64.52
23 54 16 13-0029 EA 80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,173.47	72.58
23 54 16 13-0030 EA 80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,183.50	72.58
23 54 16 13-0031 EA 80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,291.03	80.65
23 54 16 13-0032 EA 100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,360.43	88.71
23 54 16 13-0033 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,441.85	96.77
23 54 16 13-0034 Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0035 EA 40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	690.46	56.45
23 54 16 13-0036 EA 60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	754.83	64.52
23 54 16 13-0037 EA 60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	863.36	72.58
23 54 16 13-0038 EA 80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	864.36	72.58
23 54 16 13-0039 EA 80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	948.81	80.65
23 54 16 13-0040 EA 100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	973.03	88.71
23 54 16 13-0041 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,081.56	96.77
23 54 16 13-0042 Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0043 EA 40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	700.49	56.45
23 54 16 13-0044 EA 60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	757.84	64.52
23 54 16 13-0045 EA 80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	908.52	72.58
23 54 16 13-0046 EA 100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	999.99	80.65
23 54 16 13-0047 75% AFUE Gas Wall/Recessed Furnace (23 54 16 13-0001)		
23 54 16 13-0048 EA 35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace.....	1,198.09	48.39
23 54 16 13-0049 EA 55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace.....	1,381.97	60.51
23 54 16 13-0050 EA 35 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,082.68	48.39
23 54 16 13-0051 EA 40 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,157.02	52.45
23 54 16 13-0052 EA 50 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,146.05	56.45
23 54 16 13-0053 EA 65 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,180.30	60.51
23 54 16 13-0054 EA 75 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,222.52	60.51
23 54 16 13-0055 Gas Fired Indoor Duct Furnace (23 54 16 13-0001) Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0056 Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0055)		
23 54 16 13-0057 EA 100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	1,349.74	125.81
23 54 16 13-0058 EA 150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	1,504.13	154.84
23 54 16 13-0059 EA 200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	1,709.34	222.57
23 54 16 13-0060 EA 250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	1,927.97	251.60
23 54 16 13-0061 EA 300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	2,247.02	290.31
23 54 16 13-0062 EA 350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	2,470.56	348.37
23 54 16 13-0063 EA 400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	2,821.26	464.50
23 54 16 13-0064 Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0055) Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0065 EA 100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	1,511.12	125.81
23 54 16 13-0066 EA 150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	1,663.10	154.84
23 54 16 13-0067 EA 200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	1,927.72	222.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0068 EA 250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,185.70	251.60
23 54 16 13-0069 EA 300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,691.82	290.31
23 54 16 13-0070 EA 350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,953.09	348.37
23 54 16 13-0071 EA 400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,277.30	464.50
23 54 16 16 Oil-Fired Furnaces (23 54 16)		
23 54 16 16-0001 Oil Fired Forced Air Furnaces (23 54 16 16)		
Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 16-0002 Up Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0003 EA 72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace.....	1,936.07	64.52
23 54 16 16-0004 EA 95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	2,054.91	88.71
23 54 16 16-0005 EA 126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	2,371.33	104.83
Note: Blower cooling capacity up to 5 tons.		
23 54 16 16-0006 Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0007 EA 95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	2,241.58	88.71
23 54 16 16-0008 EA 126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace.....	2,257.93	104.83
Note: Blower cooling capacity up to 5 tons.		
23 54 16 16-0009 Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0010 EA 95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace	1,936.48	88.71
23 54 16 16-0011 EA 127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace	2,299.07	104.83
Note: Blower cooling capacity up to 5 tons.		
23 54 19 Furnace Accessories (23 54)		
23 54 19 00-0001 EA LP Gas Furnace Conversion Kit	109.67	16.13
23 54 19 00-0002 EA 1" Furnace External Filter Rack	33.18	
23 54 19 00-0003 EA Removal And Reinstallation Of Forced Air Furnace	298.68	
Note: Includes storage and cleaning. Excludes ductwork.		
23 55 Fuel-Fired Heaters (23 50)		
23 55 23 Gas-Fired Radiant Heaters (23 55)		
23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters (23 55 23)		
23 55 23 13-0001 Infrared Heaters-Radiant Energy (23 55 23 13)		
Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002 Gas Fired Electric Ignition Infrared Gas Heater (23 55 23 13-0001)		
Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003 EA 15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	651.73	70.38
23 55 23 13-0004 EA 37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	716.18	77.42
23 55 23 13-0005 EA 50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	768.30	77.42
23 55 23 13-0006 EA 75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	965.38	92.91
23 55 23 13-0007 EA 100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	974.16	92.91
23 55 23 13-0008 Rolled Steel Or Aluminum Housing Infrared Electric Heater (23 55 23 13-0001)		
Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.		
23 55 23 13-0009 EA 1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	712.39	70.96
<i>For Stainless Steel Housing, Add</i>		
	124.34	
23 55 23 13-0010 EA 3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	765.95	70.96
<i>For Stainless Steel Housing, Add</i>		
	137.73	
23 55 23 13-0011 EA 5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	827.16	70.96
<i>For Stainless Steel Housing, Add</i>		
	153.03	
23 55 23 13-0012 EA 7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	900.75	70.96
<i>For Stainless Steel Housing, Add</i>		
	171.43	
23 55 23 13-0013 EA 10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	986.65	77.42
<i>For Stainless Steel Housing, Add</i>		
	191.02	
23 55 23 13-0014 EA 13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,055.32	83.86
<i>For Stainless Steel Housing, Add</i>		
	205.71	
23 55 23 13-0015 EA 24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,727.67	90.32
<i>For Stainless Steel Housing, Add</i>		
	367.34	
23 55 23 13-0016 Gas Fired Tubular Infrared Heater (23 55 23 13-0001)		
Note: Includes controls and supports.		
23 55 23 13-0017 "U" Package (23 55 23 13-0016)		
23 55 23 13-0018 LF Up To 75 MBH Input Radiant Heater	53.77	3.52

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 55 Fuel-Fired Heaters**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 23 13-0019 LF 76 To 105 MBH Input Radiant Heater.....	62.04	4.22
23 55 23 13-0020 LF 106 To 130 MBH Input Radiant Heater.....	75.80	4.93
23 55 23 13-0021 "S" Straight Package (23 55 23 13-0016)		
23 55 23 13-0022 LF Up To 75 MBH Input Radiant Heater.....	43.71	2.81
23 55 23 13-0023 LF 76 To 105 MBH Input Radiant Heater.....	55.62	3.52
23 55 23 13-0024 LF 106 To 130 MBH Input Radiant Heater.....	67.52	4.22
23 55 33 Fuel-Fired Unit Heaters (23 55)		
23 55 33 00-0001 Gas Fired Unit Heaters (23 55 33)		
23 55 33 00-0002 Horizontal Fan Propelled Gas Fired Unit Heaters, 115 Volt (23 55 33 00-0001)		
23 55 33 00-0003 EA 24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,184.09	121.51
23 55 33 00-0004 EA 36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,297.35	145.81
23 55 33 00-0005 EA 48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,317.06	145.81
23 55 33 00-0006 EA 60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,439.84	170.11
23 55 33 00-0007 EA 72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,584.65	194.41
23 55 33 00-0008 EA 81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,700.44	206.56
23 55 33 00-0009 EA 101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,750.15	206.56
23 55 33 00-0010 EA 121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,707.55	206.56
23 55 33 00-0011 EA 141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,027.67	218.72
23 55 33 00-0012 EA 162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,221.72	218.72
23 55 33 00-0013 EA 202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,382.64	218.72
23 55 33 00-0014 EA 243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,846.25	243.02
23 55 33 00-0015 EA 283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,210.69	243.02
23 55 33 00-0016 EA 324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,445.40	267.32
23 55 33 00-0017 Oil Fired Unit Heater (23 55 33)		
23 55 33 00-0018 Horizontal Fan Propelled Oil Fired Unit Heater, 115 Volt (23 55 33 00-0017)		
23 55 33 00-0019 EA 97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,719.96	324.02
23 55 33 00-0020 EA 142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	5,063.93	356.42
23 55 33 00-0021 EA 188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	5,439.74	388.82
23 55 33 00-0022 Removal And Reinstallation Of Unit Heaters (23 55 33)		
Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 55 33 00-0023 EA Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater.....	404.69	
23 55 33 00-0024 EA Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater.....	545.45	
23 57 Heat Exchangers for HVAC (23 50)		
23 57 13 Steam-To-Steam Heat Exchangers (23 57)		
23 57 13 00-0001 Steam Generator Heat Exchanger (23 57 13)		
Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.		
23 57 13 00-0002 EA 75 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	11,250.10	1,126.09
23 57 13 00-0003 EA 300 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	15,096.88	1,196.47
23 57 13 00-0004 EA 525 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	20,341.78	1,490.09
23 57 16 Steam-To-Water Heat Exchangers (23 57)		
23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI (23 57 16)		
Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.		
23 57 16 00-0002 EA 8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	1,306.13	175.95
For Bronze Head And Tube Sheet, Add	482.18	
For Copper Nickel Tubes, Add	107.15	
For Double Wall Tube Bundles, Add	160.73	
23 57 16 00-0003 EA 10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	1,904.11	175.95
For Bronze Head And Tube Sheet, Add	730.17	
For Copper Nickel Tubes, Add	162.26	
For Double Wall Tube Bundles, Add	243.39	
23 57 16 00-0004 EA 40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,862.32	246.33
For Bronze Head And Tube Sheet, Add	1,129.69	
For Copper Nickel Tubes, Add	251.04	
For Double Wall Tube Bundles, Add	376.56	
23 57 16 00-0005 EA 64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	4,530.67	246.33
For Bronze Head And Tube Sheet, Add	1,722.09	
For Copper Nickel Tubes, Add	382.69	
For Double Wall Tube Bundles, Add	574.03	
23 57 16 00-0006 EA 96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	5,961.83	289.97
For Bronze Head And Tube Sheet, Add	2,286.93	
For Copper Nickel Tubes, Add	508.21	
For Double Wall Tube Bundles, Add	762.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 16 00-0007 EA 120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	7,846.92	369.41
<i>For Bronze Head And Tube Sheet, Add</i>	3,003.32	
<i>For Copper Nickel Tubes, Add</i>	667.40	
<i>For Double Wall Tube Bundles, Add</i>	1,001.11	
23 57 16 00-0008 EA 168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	9,698.91	554.45
<i>For Bronze Head And Tube Sheet, Add</i>	3,678.38	
<i>For Copper Nickel Tubes, Add</i>	817.42	
<i>For Double Wall Tube Bundles, Add</i>	1,226.13	
23 57 16 00-0009 EA 240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	14,641.72	554.45
<i>For Bronze Head And Tube Sheet, Add</i>	5,731.11	
<i>For Copper Nickel Tubes, Add</i>	1,273.58	
<i>For Double Wall Tube Bundles, Add</i>	1,910.37	

23 57 19 Liquid-To-Liquid Heat Exchangers (23 57)

23 57 19 19 Water-To-Water Heat Exchanger (23 57 19)

23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F (23 57 19)
Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.

23 57 19 19-0002 EA 7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	1,551.05	175.95
<i>For Copper Nickel Tubes, Add</i>	131.64	
<i>For Double Wall Tube Bundles, Add</i>	197.47	
23 57 19 19-0003 EA 16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,149.03	175.95
<i>For Copper Nickel Tubes, Add</i>	186.75	
<i>For Double Wall Tube Bundles, Add</i>	280.13	
23 57 19 19-0004 EA 34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	3,199.08	246.33
<i>For Copper Nickel Tubes, Add</i>	284.72	
<i>For Double Wall Tube Bundles, Add</i>	427.08	
23 57 19 19-0005 EA 55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	4,571.59	246.33
<i>For Copper Nickel Tubes, Add</i>	410.24	
<i>For Double Wall Tube Bundles, Add</i>	615.36	
23 57 19 19-0006 EA 74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	5,663.46	281.52
<i>For Copper Nickel Tubes, Add</i>	505.15	
<i>For Double Wall Tube Bundles, Add</i>	757.72	
23 57 19 19-0007 EA 86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	7,537.35	281.52
<i>For Copper Nickel Tubes, Add</i>	679.65	
<i>For Double Wall Tube Bundles, Add</i>	1,019.48	
23 57 19 19-0008 EA 112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	9,346.62	277.23
<i>For Copper Nickel Tubes, Add</i>	844.97	
<i>For Double Wall Tube Bundles, Add</i>	1,267.46	
23 57 19 19-0009 EA 126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	11,620.63	277.23
<i>For Copper Nickel Tubes, Add</i>	1,053.15	
<i>For Double Wall Tube Bundles, Add</i>	1,579.73	
23 57 19 19-0010 EA 152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	14,856.67	277.23
<i>For Copper Nickel Tubes, Add</i>	1,347.05	
<i>For Double Wall Tube Bundles, Add</i>	2,020.58	

23 57 19 23 Refrigerant-To-Water Heat Exchanger (23 57 19)

23 57 19 23-0001 Heat Exchanger Refrigerant To Water (23 57 19 23)

23 57 19 23-0002 EA 10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	1,755.13	140.76
<i>For Copper Nickel Tubes, Add</i>	147.36	
<i>For Double Wall Tube Bundles, Add</i>	221.04	
23 57 19 23-0003 EA 53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	4,636.82	234.58
<i>For Copper Nickel Tubes, Add</i>	416.76	
<i>For Double Wall Tube Bundles, Add</i>	625.14	
23 57 19 23-0004 EA 70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	6,245.00	306.01
<i>For Copper Nickel Tubes, Add</i>	563.41	
<i>For Double Wall Tube Bundles, Add</i>	845.11	
23 57 19 23-0005 EA 87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	6,711.00	370.42
<i>For Copper Nickel Tubes, Add</i>	597.17	
<i>For Double Wall Tube Bundles, Add</i>	895.76	
23 57 19 23-0006 EA 105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	8,099.84	440.30
<i>For Copper Nickel Tubes, Add</i>	720.50	
<i>For Double Wall Tube Bundles, Add</i>	1,080.76	

23 60 Central Cooling Equipment (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0110 for terminations, 26 28 16 00-0001 for disconnect.

23 61 Refrigerant Compressors (23 60)

23 61 16 Reciprocating Refrigerant Compressors (23 61)

23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors (23 61 16)
Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

23 61 16 00-0002 EA 1/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	356.57	65.66
23 61 16 00-0003 EA 1/3 Ton Refrigerant Compressor, Reciprocating Open Type.....	418.70	65.66
23 61 16 00-0004 EA 1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	565.44	82.05
23 61 16 00-0005 EA 3/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	693.59	82.05

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 61 Refrigerant Compressors**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 61 16 00-0006	EA	1 Ton Refrigerant Compressor, Reciprocating Open Type.....	771.26	82.05
23 61 16 00-0007	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	782.36	85.36
23 61 16 00-0008	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	786.89	85.36
23 61 16 00-0009	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	863.45	91.92
23 61 16 00-0010	EA	2 Ton Refrigerant Compressor, Reciprocating Open Type.....	928.37	98.49
23 61 16 00-0011	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,011.39	105.06
23 61 16 00-0012	EA	3 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,144.72	105.06
23 61 16 00-0013	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,282.12	111.62
23 61 16 00-0014	EA	4 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,310.80	118.19
23 61 16 00-0015	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,332.89	121.44
23 61 16 00-0016	EA	5 Ton Refrigerant Compressor, Reciprocating Open Type.....	2,087.24	635.74
23 61 16 00-0017	EA	7.5 Ton Refrigerant Compressor, Reciprocating Open Type.....	3,086.33	726.53
23 61 16 00-0018	EA	10 Ton Refrigerant Compressor, Reciprocating Open Type.....	4,085.51	817.38
23 61 16 00-0019	EA	12.5 Ton Refrigerant Compressor, Reciprocating Open Type.....	5,347.54	885.43
23 61 16 00-0020	EA	15 Ton Refrigerant Compressor, Reciprocating Open Type.....	6,609.77	953.61
23 61 16 00-0021	EA	20 Ton Refrigerant Compressor, Reciprocating Open Type.....	7,931.72	1,144.34
23 61 16 00-0022	EA	25 Ton Refrigerant Compressor, Reciprocating Open Type.....	9,506.19	1,229.94
23 61 16 00-0023	EA	30 Ton Refrigerant Compressor, Reciprocating Open Type.....	11,013.88	1,300.38
23 61 16 00-0024	EA	50 Ton Refrigerant Compressor, Reciprocating Open Type.....	14,370.95	1,467.11
23 61 16 00-0025	EA	60 Ton Refrigerant Compressor, Reciprocating Open Type.....	16,888.44	1,505.59
23 61 16 00-0026	EA	70 Ton Refrigerant Compressor, Reciprocating Open Type.....	21,045.36	1,544.00
23 61 16 00-0027	EA	75 Ton Refrigerant Compressor, Reciprocating Open Type.....	22,086.82	1,563.28
23 61 16 00-0028	EA	80 Ton Refrigerant Compressor, Reciprocating Open Type.....	23,084.94	1,582.48
23 61 16 00-0029	EA	90 Ton Refrigerant Compressor, Reciprocating Open Type.....	24,953.71	1,620.89
23 61 16 00-0030	EA	100 Ton Refrigerant Compressor, Reciprocating Open Type.....	26,651.78	1,659.43
23 61 16 00-0031	EA	110 Ton Refrigerant Compressor, Reciprocating Open Type.....	28,615.98	1,901.57
23 61 16 00-0032	EA	120 Ton Refrigerant Compressor, Reciprocating Open Type.....	29,974.09	1,944.13
23 61 16 00-0033	EA	130 Ton Refrigerant Compressor, Reciprocating Open Type.....	31,134.81	1,968.88
23 61 16 00-0034	EA	140 Ton Refrigerant Compressor, Reciprocating Open Type.....	32,178.05	2,029.79
23 61 16 00-0035	EA	150 Ton Refrigerant Compressor, Reciprocating Open Type.....	33,021.89	2,072.35
23 61 16 00-0036	EA	175 Ton Refrigerant Compressor, Reciprocating Open Type.....	33,886.58	2,129.14
23 61 16 00-0037	EA	185 Ton Refrigerant Compressor, Reciprocating Open Type.....	34,699.83	2,152.03
23 61 16 00-0038	EA	200 Ton Refrigerant Compressor, Reciprocating Open Type.....	35,532.88	2,187.64
23 61 16 00-0039	EA	225 Ton Refrigerant Compressor, Reciprocating Open Type.....	36,542.00	2,335.19
23 61 16 00-0040	EA	250 Ton Refrigerant Compressor, Reciprocating Open Type.....	37,515.94	2,461.07

23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors (23 61 16)

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors <5 Tons (23 61 16 00-0041)

23 61 16 00-0043	EA	1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	594.21	65.66
23 61 16 00-0044	EA	1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	613.90	65.66
23 61 16 00-0045	EA	1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	666.42	82.05
23 61 16 00-0046	EA	3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	686.12	82.05
23 61 16 00-0047	EA	1 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	695.96	82.05
23 61 16 00-0048	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	718.29	85.36
23 61 16 00-0049	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	739.96	85.36
23 61 16 00-0050	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	794.45	91.92
23 61 16 00-0051	EA	2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	846.99	98.49
23 61 16 00-0052	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	919.20	105.06
23 61 16 00-0053	EA	3 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	958.59	105.06
23 61 16 00-0054	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,030.81	111.62
23 61 16 00-0055	EA	4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,221.22	118.19
23 61 16 00-0056	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,336.11	121.44

23 61 16 00-0057 Reciprocating Hermetic Type Refrigerant Compressors (23 61 16 00-0041)

23 61 16 00-0058	EA	5 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,698.70	326.95
23 61 16 00-0059	EA	10 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	3,201.74	408.69
23 61 16 00-0060	EA	15 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	5,319.90	497.55
23 61 16 00-0061	EA	20 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	6,767.86	572.16
23 61 16 00-0062	EA	25 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	7,475.01	635.74
23 61 16 00-0063	EA	30 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	8,289.08	715.21
23 61 16 00-0064	EA	35 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	10,705.86	817.38
23 61 16 00-0065	EA	40 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	13,735.88	817.38
23 61 16 00-0066	EA	50 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	16,957.09	953.61
23 61 16 00-0067	EA	60 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	19,083.24	1,021.73
23 61 16 00-0068	EA	70 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	20,161.75	1,070.76
23 61 16 00-0069	EA	75 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	20,730.19	1,123.65
23 61 16 00-0070	EA	80 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	21,314.82	1,128.02
23 61 16 00-0071	EA	90 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	22,389.25	1,181.09
23 61 16 00-0072	EA	100 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	23,473.78	1,229.94

23 61 19 Scroll Refrigerant Compressors (23 61)**23 61 19 00-0001 Scroll Refrigerant Compressors (23 61 19)**

23 61 19 00-0002	EA	Up To 3 Ton Scroll Refrigerant Compressor.....	902.29	104.93
23 61 19 00-0003	EA	3.5 Ton Scroll Refrigerant Compressor.....	945.77	111.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 19 00-0004 EA 4 Ton Scroll Refrigerant Compressor	968.24	118.13
23 61 19 00-0005 EA 4.5 Ton Scroll Refrigerant Compressor	986.99	121.50
23 61 19 00-0006 EA 5 Ton Scroll Refrigerant Compressor	1,222.26	153.42
23 61 19 00-0007 EA 7.5 Ton Scroll Refrigerant Compressor	2,338.70	230.12
23 61 19 00-0008 EA 8.75 Ton Scroll Refrigerant Compressor	2,674.91	268.47
23 61 19 00-0009 EA 10 Ton Scroll Refrigerant Compressor	2,995.85	306.82
23 61 19 00-0010 EA 12 Ton Scroll Refrigerant Compressor	3,621.10	368.19
23 61 19 00-0011 EA 13.5 Ton Scroll Refrigerant Compressor	4,273.24	414.21
23 61 19 00-0012 EA 15 Ton Scroll Refrigerant Compressor	5,016.85	460.24
23 61 19 00-0013 EA 20 Ton Scroll Refrigerant Compressor	7,076.81	613.65
23 61 19 00-0014 EA 25 Ton Scroll Refrigerant Compressor	7,964.56	767.06
23 61 19 00-0015 EA 30 Ton Scroll Refrigerant Compressor	8,497.49	920.47

23 61 23 Rotary-Screw Refrigerant Compressors (23 61)

23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors (23 61 23)

23 61 23 00-0002 EA 75 Ton Refrigerant Compressor, Rotary Screw Type	24,258.83	1,563.28
23 61 23 00-0003 EA 80 Ton Refrigerant Compressor, Rotary Screw Type	24,994.22	1,582.48
23 61 23 00-0004 EA 90 Ton Refrigerant Compressor, Rotary Screw Type	26,588.06	1,620.89
23 61 23 00-0005 EA 100 Ton Refrigerant Compressor, Rotary Screw Type	28,165.48	1,659.43
23 61 23 00-0006 EA 110 Ton Refrigerant Compressor, Rotary Screw Type	30,449.27	1,901.57
23 61 23 00-0007 EA 120 Ton Refrigerant Compressor, Rotary Screw Type	32,298.92	1,944.13
23 61 23 00-0008 EA 130 Ton Refrigerant Compressor, Rotary Screw Type	34,105.68	1,968.88
23 61 23 00-0009 EA 140 Ton Refrigerant Compressor, Rotary Screw Type	35,986.09	2,029.79
23 61 23 00-0010 EA 150 Ton Refrigerant Compressor, Rotary Screw Type	37,833.53	2,072.35
23 61 23 00-0011 EA 170 Ton Refrigerant Compressor, Rotary Screw Type	40,434.90	2,129.14
23 61 23 00-0012 EA 185 Ton Refrigerant Compressor, Rotary Screw Type	42,256.50	2,152.03
23 61 23 00-0013 EA 200 Ton Refrigerant Compressor, Rotary Screw Type	43,107.82	2,187.64
23 61 23 00-0014 EA 215 Ton Refrigerant Compressor, Rotary Screw Type	48,372.02	2,335.19
23 61 23 00-0015 EA 225 Ton Refrigerant Compressor, Rotary Screw Type	53,558.60	2,461.07

23 62 Packaged Compressor and Condenser Units (23 60)

23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units (23 62)

23 62 13 00-0001 Packaged Chiller With Remote Air Cooled Condenser (23 62 13)

Note: With remote air cooled condenser rated by cooling capacity. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.

23 62 13 00-0002 EA 15 Ton Packaged Chiller With Remote Air Cooled Condensers	33,497.54	5,290.16
For Gas Fired Engine Driven, Add	5,906.39	
23 62 13 00-0003 EA 20 Ton Packaged Chiller With Remote Air Cooled Condensers	38,002.05	5,576.10
For Gas Fired Engine Driven, Add	6,764.42	
23 62 13 00-0004 EA 25 Ton Packaged Chiller With Remote Air Cooled Condensers	44,297.59	6,068.06
For Gas Fired Engine Driven, Add	7,949.76	
23 62 13 00-0005 EA 30 Ton Packaged Chiller With Remote Air Cooled Condensers	49,683.03	6,447.35
For Gas Fired Engine Driven, Add	8,969.99	
23 62 13 00-0006 EA 40 Ton Packaged Chiller With Remote Air Cooled Condensers	62,539.83	7,114.30
For Gas Fired Engine Driven, Add	11,441.35	
23 62 13 00-0007 EA 50 Ton Packaged Chiller With Remote Air Cooled Condensers	69,219.70	7,368.36
For Gas Fired Engine Driven, Add	12,739.23	
23 62 13 00-0008 EA 60 Ton Packaged Chiller With Remote Air Cooled Condensers	75,256.84	7,935.16
For Gas Fired Engine Driven, Add	13,861.69	
23 62 13 00-0009 EA 70 Ton Packaged Chiller With Remote Air Cooled Condensers	91,995.63	8,490.35
For Gas Fired Engine Driven, Add	17,110.30	
23 62 13 00-0010 EA 75 Ton Packaged Chiller With Remote Air Cooled Condensers	93,127.97	8,672.06
For Gas Fired Engine Driven, Add	17,325.43	
23 62 13 00-0011 EA 80 Ton Packaged Chiller With Remote Air Cooled Condensers	94,712.20	9,049.14
For Gas Fired Engine Driven, Add	17,585.75	
23 62 13 00-0012 EA 90 Ton Packaged Chiller With Remote Air Cooled Condensers	105,374.26	9,460.47
For Gas Fired Engine Driven, Add	19,656.49	
23 62 13 00-0013 EA 100 Ton Packaged Chiller With Remote Air Cooled Condensers	116,856.69	9,910.99
For Gas Fired Engine Driven, Add	21,885.44	
23 62 13 00-0014 EA 110 Ton Packaged Chiller With Remote Air Cooled Condensers	129,847.60	10,406.50
For Gas Fired Engine Driven, Add	24,409.32	
23 62 13 00-0015 EA 120 Ton Packaged Chiller With Remote Air Cooled Condensers	140,549.45	10,954.24
For Gas Fired Engine Driven, Add	26,467.58	
23 62 13 00-0016 EA 140 Ton Packaged Chiller With Remote Air Cooled Condensers	155,356.59	11,562.79
For Gas Fired Engine Driven, Add	29,337.77	

23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units (23 62)

23 62 23 00-0001 Water Cooled Condensing Units (23 62 23)

Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.

23 62 23 00-0002 EA 5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	4,178.22	450.40
23 62 23 00-0003 EA 10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	6,333.10	657.76
23 62 23 00-0004 EA 15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	7,244.20	712.85

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 62 Packaged Compressor and Condenser Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 62 23 00-0005	EA		20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	8,978.24	855.42
23 62 23 00-0006	EA		30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	9,712.26	1,006.42
23 62 23 00-0007	EA		60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	20,504.55	1,507.58
23 62 23 00-0008	EA		80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	25,438.47	1,819.50
23 62 23 00-0009	EA		120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	35,085.07	1,990.82

23 63 Refrigerant Condensers (23 60)**23 63 13 Air-Cooled Refrigerant Condensers** (23 63)**23 63 13 00-0001 Air Cooled Condensing Units** (23 63 13)

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.

23 63 13 00-0002	EA		6 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	3,856.89	450.40
			<i>For >10 To 25, Deduct</i>	-95.24	
			<i>For >25 To 50, Deduct</i>	-158.74	
			<i>For >50, Deduct</i>	-253.98	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	583.25	
			<i>For Winter Start Control, Add</i>	195.20	
23 63 13 00-0003	EA		7.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	4,619.75	534.64
			<i>For >10 To 25, Deduct</i>	-114.29	
			<i>For >25 To 50, Deduct</i>	-190.48	
			<i>For >50, Deduct</i>	-304.78	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	507.29	
			<i>For Winter Start Control, Add</i>	157.20	
23 63 13 00-0004	EA		10 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	6,008.40	657.76
			<i>For >10 To 25, Deduct</i>	-150.34	
			<i>For >25 To 50, Deduct</i>	-250.57	
			<i>For >50, Deduct</i>	-400.91	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	600.05	
			<i>For Winter Start Control, Add</i>	199.93	
23 63 13 00-0005	EA		12.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	7,441.75	684.34
			<i>For >10 To 25, Deduct</i>	-192.15	
			<i>For >25 To 50, Deduct</i>	-320.24	
			<i>For >50, Deduct</i>	-512.39	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	707.56	
			<i>For Winter Start Control, Add</i>	231.78	
23 63 13 00-0006	EA		15 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	8,878.44	712.85
			<i>For >10 To 25, Deduct</i>	-233.95	
			<i>For >25 To 50, Deduct</i>	-389.92	
			<i>For >50, Deduct</i>	-623.87	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	737.92	
			<i>For Winter Start Control, Add</i>	185.99	
23 63 13 00-0007	EA		20 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	11,446.74	855.42
			<i>For >10 To 25, Deduct</i>	-304.52	
			<i>For >25 To 50, Deduct</i>	-507.53	
			<i>For >50, Deduct</i>	-812.05	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	933.06	
			<i>For Winter Start Control, Add</i>	231.12	
23 63 13 00-0008	EA		25 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	13,026.67	920.23
			<i>For >10 To 25, Deduct</i>	-349.01	
			<i>For >25 To 50, Deduct</i>	-581.68	
			<i>For >50, Deduct</i>	-930.69	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	988.11	
			<i>For Winter Start Control, Add</i>	255.64	
23 63 13 00-0009	EA		30 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	14,943.22	1,004.47
			<i>For >10 To 25, Deduct</i>	-402.70	
			<i>For >25 To 50, Deduct</i>	-671.17	
			<i>For >50, Deduct</i>	-1,073.87	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,051.12	
			<i>For Winter Start Control, Add</i>	286.22	
23 63 13 00-0010	EA		40 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	20,578.27	1,199.20
			<i>For >10 To 25, Deduct</i>	-561.87	
			<i>For >25 To 50, Deduct</i>	-936.44	
			<i>For >50, Deduct</i>	-1,498.31	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,398.80	
			<i>For Winter Start Control, Add</i>	372.23	
23 63 13 00-0011	EA		50 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	24,984.98	1,507.58
			<i>For >10 To 25, Deduct</i>	-679.80	
			<i>For >25 To 50, Deduct</i>	-1,133.00	
			<i>For >50, Deduct</i>	-1,812.80	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,487.65	
			<i>For Winter Start Control, Add</i>	345.80	
23 63 13 00-0012	EA		60 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	28,792.87	1,663.90
			<i>For >10 To 25, Deduct</i>	-788.84	
			<i>For >25 To 50, Deduct</i>	-1,314.73	
			<i>For >50, Deduct</i>	-2,103.56	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,676.36	
			<i>For Winter Start Control, Add</i>	381.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0013 EA 80 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	37,323.36	1,819.50
<i>For >10 To 25, Deduct</i>	-1,035.52	
<i>For >25 To 50, Deduct</i>	-1,725.87	
<i>For >50, Deduct</i>	-2,761.39	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,082.20	
<i>For Winter Start Control, Add</i>	453.19	
23 63 13 00-0014 EA 100 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	51,531.46	1,638.27
<i>For >10 To 25, Deduct</i>	-1,445.89	
<i>For >25 To 50, Deduct</i>	-2,409.82	
<i>For >50, Deduct</i>	-3,855.71	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,279.65	
<i>For Winter Start Control, Add</i>	574.49	
23 63 13 00-0015 EA 120 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	63,533.82	1,693.81
<i>For >10 To 25, Deduct</i>	-1,802.57	
<i>For >25 To 50, Deduct</i>	-3,004.29	
<i>For >50, Deduct</i>	-4,806.86	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,664.59	
23 63 13 00-0016 Air Cooled Condensing Units <small>(23 63 13)</small>		
Note: Include compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 13 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Excludes piping and power wiring.		
23 63 13 00-0017 EA 1.5 Ton, 13 SEER, Air Cooled Condensing Unit.....	1,499.00	210.12
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For >10 To 25, Deduct</i>	-35.51	
<i>For >25 To 50, Deduct</i>	-59.19	
<i>For >50, Deduct</i>	-94.71	
<i>For 14 SEER, Add</i>	248.60	
<i>For 15 SEER, Add</i>	284.12	
<i>For 16 SEER, Add</i>	485.37	
<i>For 18 SEER, Add</i>	1,053.60	
23 63 13 00-0018 EA 2 Ton, 13 SEER, Air Cooled Condensing Unit.....	1,609.44	233.58
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For >10 To 25, Deduct</i>	-37.78	
<i>For >25 To 50, Deduct</i>	-62.96	
<i>For >50, Deduct</i>	-100.74	
<i>For 14 SEER, Add</i>	264.44	
<i>For 15 SEER, Add</i>	302.22	
<i>For 16 SEER, Add</i>	516.29	
<i>For 18 SEER, Add</i>	1,120.72	
23 63 13 00-0019 EA 2.5 Ton, 13 SEER, Air Cooled Condensing Unit.....	1,704.54	256.93
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For >10 To 25, Deduct</i>	-39.58	
<i>For >25 To 50, Deduct</i>	-65.97	
<i>For >50, Deduct</i>	-105.55	
<i>For 14 SEER, Add</i>	277.06	
<i>For 15 SEER, Add</i>	316.64	
<i>For 16 SEER, Add</i>	540.93	
<i>For 18 SEER, Add</i>	1,174.20	
23 63 13 00-0020 EA 3 Ton, 13 SEER, Air Cooled Condensing Unit.....	1,963.28	280.15
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For >10 To 25, Deduct</i>	-46.29	
<i>For >25 To 50, Deduct</i>	-77.15	
<i>For >50, Deduct</i>	-123.44	
<i>For 14 SEER, Add</i>	324.04	
<i>For 15 SEER, Add</i>	370.33	
<i>For 16 SEER, Add</i>	632.65	
<i>For 18 SEER, Add</i>	1,373.31	
23 63 13 00-0021 EA 3.5 Ton, 13 SEER, Air Cooled Condensing Unit.....	2,076.30	303.66
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For >10 To 25, Deduct</i>	-48.63	
<i>For >25 To 50, Deduct</i>	-81.05	
<i>For >50, Deduct</i>	-129.68	
<i>For 14 SEER, Add</i>	340.42	
<i>For 15 SEER, Add</i>	389.05	
<i>For 16 SEER, Add</i>	664.63	
<i>For 18 SEER, Add</i>	1,442.73	
23 63 13 00-0022 EA 4 Ton, 13 SEER, Air Cooled Condensing Unit.....	2,318.41	327.01
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For >10 To 25, Deduct</i>	-54.84	
<i>For >25 To 50, Deduct</i>	-91.41	
<i>For >50, Deduct</i>	-146.25	
<i>For 14 SEER, Add</i>	383.91	
<i>For 15 SEER, Add</i>	438.75	
<i>For 16 SEER, Add</i>	749.54	
<i>For 18 SEER, Add</i>	1,627.04	
23 63 13 00-0023 EA 5 Ton, 13 SEER, Air Cooled Condensing Unit.....	2,623.76	350.20
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For >10 To 25, Deduct</i>	-62.95	
<i>For >25 To 50, Deduct</i>	-104.92	
<i>For >50, Deduct</i>	-167.88	
<i>For 14 SEER, Add</i>	440.68	
<i>For 15 SEER, Add</i>	503.63	
<i>For 16 SEER, Add</i>	860.37	
<i>For 18 SEER, Add</i>	1,867.64	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 63 Refrigerant Condensers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit (23 63 13)**

Note: Includes storage and cleaning.

23 63 13 00-0025	EA	Removal And Reinstallation Of Up To 5 Tons Air Cooled Condensing Unit	215.04	
23 63 13 00-0026	EA	Removal And Reinstallation Of 7.5 To 15 Tons Air Cooled Condensing Unit	806.42	
23 63 13 00-0027	EA	Removal And Reinstallation Of 20 To 40 Tons Air Cooled Condensing Unit	1,361.44	

23 64 Packaged Water Chillers (23 60)**23 64 13 Absorption Water Chillers (23 64)****23 64 13 16 Indirect-Fired Absorption Water Chillers (23 64 13)****23 64 13 16-0001 Packaged, Steam Driven, Water Cooled Absorption Chillers (23 64 13 16)**

Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 V motor, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.

23 64 13 16-0002	EA	50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	89,242.90	4,222.81
		<i>For Two Stage Unit, Add</i>	59,780.31	
23 64 13 16-0003	EA	100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	113,475.82	5,045.61
		<i>For Two Stage Unit, Add</i>	76,191.11	
23 64 13 16-0004	EA	150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	144,242.59	5,180.12
		<i>For Two Stage Unit, Add</i>	97,641.40	
23 64 13 16-0005	EA	200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	159,988.21	5,278.67
		<i>For Two Stage Unit, Add</i>	108,600.02	
23 64 13 16-0006	EA	250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	179,113.42	5,410.97
		<i>For Two Stage Unit, Add</i>	121,902.63	
23 64 13 16-0007	EA	300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	202,487.63	5,730.22
		<i>For Two Stage Unit, Add</i>	138,059.47	
23 64 13 16-0008	EA	350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	217,258.29	5,868.69
		<i>For Two Stage Unit, Add</i>	148,309.94	
23 64 13 16-0009	EA	400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	259,209.89	6,108.62
		<i>For Two Stage Unit, Add</i>	177,521.90	
23 64 13 16-0010	EA	500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	290,670.37	6,286.55
		<i>For Two Stage Unit, Add</i>	199,429.92	
23 64 13 16-0011	EA	650 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	357,169.72	8,870.09
		<i>For Two Stage Unit, Add</i>	244,319.46	
23 64 13 16-0012	EA	750 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	388,615.53	10,332.73
		<i>For Two Stage Unit, Add</i>	265,391.74	
23 64 13 16-0013	EA	850 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	416,371.26	10,791.91
		<i>For Two Stage Unit, Add</i>	284,525.68	
23 64 13 16-0014	EA	950 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	445,733.64	11,075.66
		<i>For Two Stage Unit, Add</i>	304,972.94	
23 64 13 16-0015	EA	1,125 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	510,771.24	11,459.49
		<i>For Two Stage Unit, Add</i>	350,255.27	
23 64 13 16-0016	EA	1,250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	559,129.89	11,810.29
		<i>For Two Stage Unit, Add</i>	383,883.33	
23 64 13 16-0017	EA	1,450 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	657,021.53	14,558.57
		<i>For Two Stage Unit, Add</i>	450,660.43	
23 64 13 16-0018	EA	1,700 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	768,605.63	15,329.93
		<i>For Two Stage Unit, Add</i>	528,278.99	

23 64 16 Centrifugal Water Chillers (23 64)**23 64 16 13 Air-Cooled Centrifugal Water Chillers (23 64 16)****23 64 16 13-0001 Magnetic Bearing, Air Cooled Centrifugal Chillers (23 64 16 13)**

Note: SMARDT air cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, lowest ARI IPLV in industry. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface.

23 64 16 13-0002	EA	85 Ton, Single Compressor, Magnetic Bearing, Air Cooled Centrifugal Chiller	120,496.86	3,834.85
		<i>For 5 Year Parts Only Compressor Warranty, Add</i>	3,324.60	
23 64 16 13-0003	EA	175 Ton, Two Compressor, Magnetic Bearing, Air Cooled Centrifugal Chiller	170,968.25	5,151.77
		<i>For 5 Year Parts Only Compressor Warranty, Add</i>	6,649.20	
23 64 16 13-0004	EA	240 Ton, Three Compressor, Magnetic Bearing, Air Cooled Centrifugal Chiller	213,572.33	5,448.41
		<i>For 5 Year Parts Only Compressor Warranty, Add</i>	9,973.80	

23 64 16 16 Water-Cooled Centrifugal Water Chillers (23 64 16)**23 64 16 16-0001 Packaged Water-Cooled Centrifugal Water Chillers (23 64 16 16)**

Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 V motor, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0002 EA 180 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	115,533.70 4,367.14	3,956.31
23 64 16 16-0003 EA 200 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	126,399.28 4,795.24	4,056.51
23 64 16 16-0004 EA 225 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	139,539.78 5,314.32	4,159.62
23 64 16 16-0005 EA 250 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	152,338.41 5,815.55	4,326.39
23 64 16 16-0006 EA 275 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	164,815.46 6,298.93	4,570.68
23 64 16 16-0007 EA 300 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	176,835.54 6,764.47	4,808.32
23 64 16 16-0008 EA 325 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	188,450.00 7,212.11	5,071.96
23 64 16 16-0009 EA 350 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	199,597.90 7,641.96	5,322.07
23 64 16 16-0010 EA 375 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	210,262.93 8,053.90	5,550.13
23 64 16 16-0011 EA 400 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	220,404.69 8,448.00	5,730.22
23 64 16 16-0012 EA 425 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	230,266.97 8,824.25	6,014.11
23 64 16 16-0013 EA 450 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	239,599.90 9,182.66	6,246.12
23 64 16 16-0014 EA 475 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	248,481.79 9,523.22	6,475.16
23 64 16 16-0015 EA 500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	256,834.59 9,845.93	6,652.54
23 64 16 16-0016 EA 550 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	272,009.42 10,437.77	6,888.44
23 64 16 16-0017 EA 600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	285,261.21 10,958.22	7,038.21
23 64 16 16-0018 EA 650 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	297,045.33 11,407.23	7,386.11
23 64 16 16-0019 EA 700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	307,053.20 11,784.85	7,739.26
23 64 16 16-0020 EA 750 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	315,336.04 12,091.20	8,127.79
23 64 16 16-0021 EA 800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	334,988.45 12,852.10	8,519.91
23 64 16 16-0022 EA 850 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	354,501.48 13,607.51	8,910.80
23 64 16 16-0023 EA 900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	373,934.96 14,357.32	9,339.19
23 64 16 16-0024 EA 950 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	393,296.72 15,101.49	9,810.86
23 64 16 16-0025 EA 1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	412,349.87 15,840.00	10,288.06
23 64 16 16-0026 EA 1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	447,108.87 17,129.75	11,870.88
23 64 16 16-0027 EA 1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	480,539.35 18,366.06	13,458.22
23 64 16 16-0028 EA 1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	512,152.10 19,548.83	14,744.03
23 64 16 16-0029 EA 1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	541,641.00 20,678.06	15,535.73

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 64 Packaged Water Chillers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0030 EA 1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	569,746.49 21,753.60	16,301.52
23 64 16 16-0031 EA 1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	596,060.52 22,776.12	16,774.06
23 64 16 16-0032 EA 1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	622,141.02 23,744.95	17,944.32
23 64 16 16-0033 EA 1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	646,414.30 24,660.24	18,819.64
23 64 16 16-0034 EA 1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	669,762.83 25,521.99	19,955.33
23 64 16 16-0035 EA 2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	691,103.32 26,330.30	20,668.03
23 64 16 16-0036 EA 2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	736,368.00 28,117.00	21,837.93
23 64 16 16-0037 EA 2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	776,020.21 29,569.32	23,148.17
23 64 16 16-0038 Magnetic Bearing, Water Cooled Centrifugal Water Chillers ^(23 64 16 16) Note: SMARTD water cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, 10 amp maximum inrush current and ARI part load <0.4kW per ton. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface, 12/18 month compressor warranty.		
23 64 16 16-0039 EA 60 To 85 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	76,094.74 3,324.60 3,102.96	3,328.41
23 64 16 16-0040 EA 130 To 137 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	95,739.29 3,324.60 3,102.96	3,868.59
23 64 16 16-0041 EA 125 To 170 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	119,770.58 6,649.20 3,102.96	3,956.31
23 64 16 16-0042 EA 240 To 270 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	155,830.93 6,649.20 3,102.96	4,570.68
23 64 16 16-0043 EA 210 To 260 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	156,964.47 9,973.80 3,102.96	4,326.39
23 64 16 16-0044 EA 355 To 405 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	235,299.65 9,973.80 3,102.96	5,730.22
23 64 16 16-0045 EA 299 To 340 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	208,525.93 12,190.20 4,321.98	5,322.07
23 64 16 16-0046 EA 540 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	289,607.97 12,190.20 4,321.98	6,888.44
23 64 16 16-0047 EA 425 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	259,385.76 14,406.60 4,321.98	6,014.11
23 64 16 16-0048 EA 650 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	347,002.02 14,406.60 4,321.98	7,386.11
23 64 16 16-0049 EA 510 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	308,730.01 16,623.00 4,543.62	6,652.54
23 64 16 16-0050 EA 800 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	397,765.89 16,623.00 4,543.62	8,519.91
23 64 19 Reciprocating Water Chillers ^(23 64)		
23 64 19 00-0001 Packaged Water Cooled Reciprocating Water Chillers ^(23 64 19) Note: With reciprocation compressor integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve bypass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.		
23 64 19 00-0002 EA 15 Ton Packaged Water Cooled Reciprocating Water Chiller	17,090.88	1,075.25
23 64 19 00-0003 EA 20 Ton Packaged Water Cooled Reciprocating Water Chiller	20,102.61	1,268.51
23 64 19 00-0004 EA 25 Ton Packaged Water Cooled Reciprocating Water Chiller	22,543.67	1,306.82
23 64 19 00-0005 EA 30 Ton Packaged Water Cooled Reciprocating Water Chiller	25,104.15	1,434.62
23 64 19 00-0006 EA 40 Ton Packaged Water Cooled Reciprocating Water Chiller	30,451.77	1,842.09
23 64 19 00-0007 EA 50 Ton Packaged Water Cooled Reciprocating Water Chiller	34,526.59	2,018.74
23 64 19 00-0008 EA 60 Ton Packaged Water Cooled Reciprocating Water Chiller	35,743.97	2,230.46



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 64 23 Scroll Water Chillers (23 64)**23 64 23 00-0001****Packaged Air Cooled Scroll Water Chillers (23 64 23)**

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type and include scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel.

23 64 23 00-0002	EA	10 Ton Packaged Air Cooled Scroll Water Chiller	14,850.53	1,027.81
23 64 23 00-0003	EA	15 Ton Packaged Air Cooled Scroll Water Chiller	21,705.88	1,040.99
23 64 23 00-0004	EA	18 Ton Packaged Air Cooled Scroll Water Chiller	23,685.71	1,113.47
23 64 23 00-0005	EA	22 Ton Packaged Air Cooled Scroll Water Chiller	26,052.56	1,192.52
23 64 23 00-0006	EA	25 Ton Packaged Air Cooled Scroll Water Chiller	26,486.86	1,271.58
23 64 23 00-0007	EA	30 Ton Packaged Air Cooled Scroll Water Chiller	27,952.74	1,363.83
23 64 23 00-0008	EA	40 Ton Packaged Air Cooled Scroll Water Chiller	31,948.21	1,475.83
23 64 23 00-0009	EA	45 Ton Packaged Air Cooled Scroll Water Chiller	34,311.99	1,601.01
23 64 23 00-0010	EA	50 Ton Packaged Air Cooled Scroll Water Chiller	36,226.13	1,647.13
23 64 23 00-0011	EA	55 Ton Packaged Air Cooled Scroll Water Chiller	37,835.57	1,719.61
23 64 23 00-0012	EA	60 Ton Packaged Air Cooled Scroll Water Chiller	39,106.64	1,778.90
23 64 23 00-0013	EA	70 Ton Packaged Air Cooled Scroll Water Chiller	45,109.13	2,002.91
23 64 23 00-0014	EA	80 Ton Packaged Air Cooled Scroll Water Chiller	48,562.74	2,193.98
23 64 23 00-0015	EA	90 Ton Packaged Air Cooled Scroll Water Chiller	49,441.50	2,200.57
23 64 23 00-0016	EA	100 Ton Packaged Air Cooled Scroll Water Chiller	52,292.75	2,207.15
23 64 23 00-0017	EA	110 Ton Packaged Air Cooled Scroll Water Chiller	55,067.99	2,213.75
23 64 23 00-0018	EA	120 Ton Packaged Air Cooled Scroll Water Chiller	57,877.74	2,220.33
23 64 23 00-0019	EA	130 Ton Packaged Air Cooled Scroll Water Chiller	60,832.41	2,226.92

23 64 23 00-0020**Packaged Water Cooled Scroll Water Chillers (23 64 23)**

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 23 00-0021	EA	20 Ton Packaged Water Cooled Scroll Water Chiller	32,969.34	1,268.51
23 64 23 00-0022	EA	25 Ton Packaged Water Cooled Scroll Water Chiller	38,096.84	1,306.82
23 64 23 00-0023	EA	30 Ton Packaged Water Cooled Scroll Water Chiller	42,279.87	1,434.62
23 64 23 00-0024	EA	40 Ton Packaged Water Cooled Scroll Water Chiller	51,952.01	1,842.09
23 64 23 00-0025	EA	50 Ton Packaged Water Cooled Scroll Water Chiller	57,491.84	2,018.74
23 64 23 00-0026	EA	60 Ton Packaged Water Cooled Scroll Water Chiller	60,301.09	2,230.46

23 64 26 Rotary-Screw Water Chillers (23 64)**23 64 26 13****Air-Cooled, Rotary-Screw Water Chillers (23 64 26)****23 64 26 13-0001****Packaged Air Cooled Rotary-Screw Water Chillers (23 64 26 13)**

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 V motor, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel.

23 64 26 13-0002	EA	70 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	87,708.52	2,523.41
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	<i>-1,258.90</i>	
		<i>For 208/230 Volt Motor, Add</i>	<i>3,357.07</i>	
23 64 26 13-0003	EA	80 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	94,245.81	2,740.83
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	<i>-1,352.12</i>	
		<i>For 208/230 Volt Motor, Add</i>	<i>3,605.65</i>	
23 64 26 13-0004	EA	90 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	99,152.12	2,859.42
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	<i>-1,422.94</i>	
		<i>For 208/230 Volt Motor, Add</i>	<i>3,794.52</i>	
23 64 26 13-0005	EA	100 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	102,741.65	3,076.84
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	<i>-1,471.95</i>	
		<i>For 208/230 Volt Motor, Add</i>	<i>3,925.19</i>	
23 64 26 13-0006	EA	110 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	110,316.35	3,228.38
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	<i>-1,582.21</i>	
		<i>For 208/230 Volt Motor, Add</i>	<i>4,219.21</i>	
23 64 26 13-0007	EA	120 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	117,320.53	3,294.26
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	<i>-1,685.69</i>	
		<i>For 208/230 Volt Motor, Add</i>	<i>4,495.17</i>	
23 64 26 13-0008	EA	130 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	123,894.67	3,406.27
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	<i>-1,781.83</i>	
		<i>For 208/230 Volt Motor, Add</i>	<i>4,751.54</i>	
23 64 26 13-0009	EA	140 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	127,880.21	3,478.74
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	<i>-1,839.93</i>	
		<i>For 208/230 Volt Motor, Add</i>	<i>4,906.48</i>	
23 64 26 13-0010	EA	160 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	135,116.30	3,551.21
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	<i>-1,946.79</i>	
		<i>For 208/230 Volt Motor, Add</i>	<i>5,191.45</i>	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 64 Packaged Water Chillers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 13-0011 EA 170 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	141,068.73 -2,033.61 5,422.96	3,663.21
23 64 26 13-0012 EA 180 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	148,794.36 -2,146.23 5,723.28	3,808.17
23 64 26 13-0013 EA 200 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	155,601.13 -2,246.65 5,991.08	3,887.23
23 64 26 13-0014 EA 215 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	166,939.82 -2,415.15 6,440.41	3,953.11
23 64 26 13-0015 EA 225 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	174,481.37 -2,527.48 6,739.96	3,992.64
23 64 26 13-0016 EA 240 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	182,022.92 -2,639.82 7,039.51	4,025.59
23 64 26 13-0017 EA 260 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	204,608.05 -2,976.82 7,938.17	4,104.66
23 64 26 13-0018 EA 280 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	215,953.31 -3,145.31 8,387.51	4,183.71
23 64 26 13-0019 EA 300 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	231,036.42 -3,369.98 8,986.61	4,249.60
23 64 26 13-0020 EA 325 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	253,608.37 -3,706.98 9,885.27	4,322.07
23 64 26 13-0021 EA 350 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	276,705.20 -4,052.15 10,805.72	4,374.78

23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers (23 64 26)**23 64 26 16-0001 Packaged Water Cooled Helical Rotary Water Chillers (23 64 26 16)**

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 16-0002 EA 70 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	64,261.38	3,120.39
23 64 26 16-0003 EA 80 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	69,897.66	3,241.74
23 64 26 16-0004 EA 90 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	74,783.22	3,328.41
23 64 26 16-0005 EA 100 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	78,986.01	3,468.84
23 64 26 16-0006 EA 110 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	83,199.68	3,564.18
23 64 26 16-0007 EA 125 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	88,340.37	3,664.24
23 64 26 16-0008 EA 130 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	90,604.77	3,766.66
23 64 26 16-0009 EA 150 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	98,276.35	3,868.59
23 64 26 16-0010 EA 175 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	105,736.36	3,964.35
23 64 26 16-0011 EA 190 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	109,312.46	4,162.60
23 64 26 16-0012 EA 200 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	111,336.34	4,363.35
23 64 26 16-0013 EA 210 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	112,830.43	4,456.75
23 64 26 16-0014 EA 235 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	122,756.44	4,554.25
23 64 26 16-0015 EA 255 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	130,455.23	4,762.69
23 64 26 16-0016 EA 275 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	137,740.92	4,955.45
23 64 26 16-0017 EA 300 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	146,234.39	5,151.77
23 64 26 16-0018 EA 350 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	160,527.31	5,608.38
23 64 26 16-0019 EA 400 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	172,163.06	6,168.67
23 64 26 16-0020 EA 450 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	181,152.72	6,785.81

23 65 Cooling Towers (23 60)**23 65 13 Forced-Draft Cooling Towers (23 65)****23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13)****23 65 13 16-0001 Blow-Thru Centrifugal Fan Type Cooling Towers (23 65 13 16)**

Note: Including 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out.

23 65 13 16-0002 EA 50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	10,965.80 5,595.16	1,093.70
23 65 13 16-0003 EA 75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	15,093.61 7,858.37	1,337.47
23 65 13 16-0004 EA 100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	18,941.92 9,744.38	1,680.07
23 65 13 16-0005 EA 125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	21,837.71 11,292.10	1,877.73
23 65 13 16-0006 EA 150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	24,954.06 12,932.63	2,114.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 13 16-0007 EA 175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	28,056.85 14,549.21	2,371.86
23 65 13 16-0008 EA 200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	31,485.35 16,345.40	2,642.00
23 65 13 16-0009 EA 225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	34,420.54 17,782.36	2,978.01
23 65 13 16-0010 EA 250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	37,508.80 19,315.12	3,307.43
23 65 13 16-0011 EA 275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	41,111.74 20,895.77	3,913.59
23 65 13 16-0012 EA 300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	44,690.82 22,632.10	4,335.25
23 65 13 16-0013 EA 325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	47,095.09 23,829.56	4,611.97
23 65 13 16-0014 EA 350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	49,907.91 25,236.59	4,882.10
23 65 13 16-0015 EA 375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	52,635.08 26,643.61	5,119.29
23 65 13 16-0016 EA 400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	55,754.81 28,290.12	5,356.47
23 65 13 16-0017 EA 425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	59,066.57 29,996.51	5,646.37
23 65 13 16-0018 EA 450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	62,820.80 31,972.33	5,936.26
23 65 13 16-0019 EA 475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	66,465.85 33,918.21	6,186.62
23 65 13 16-0020 EA 500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	70,117.47 35,864.09	6,436.98
23 65 13 16-0021 EA 550 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	77,031.99 39,755.86	6,707.11
23 65 13 16-0022 EA 600 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	84,545.25 44,006.86	6,970.66
23 65 13 16-0023 EA 650 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	87,591.63 45,803.06	7,115.60
23 65 13 16-0024 EA 700 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	91,236.72 47,958.49	7,207.85
23 65 13 16-0025 EA 750 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	95,508.71 50,173.81	7,576.80
23 65 13 16-0026 EA 800 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	100,479.20 52,808.23	7,945.76
23 65 13 16-0027 EA 850 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	105,502.40 55,442.65	8,347.66
23 65 13 16-0028 EA 900 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	111,323.92 58,556.06	8,749.56
23 65 13 16-0029 EA 950 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	117,337.47 61,729.34	9,210.76
23 65 13 16-0030 EA 1,000 Ton Centrifugal Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	124,142.72 65,381.62	9,671.95

23 65 14 Induced-Draft Cooling Towers (23 65)

23 65 14 00-0001 Induced Draft Crossflow Film Filled Propeller Type Cooling Towers (23 65 14)

Note: Galvanized Steel. Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 14 00-0002 EA 10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	4,776.62 550.46	737.92
23 65 14 00-0003 EA 15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	5,152.05 604.80	751.09
23 65 14 00-0004 EA 20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	5,603.97 656.78	816.98
23 65 14 00-0005 EA 25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	6,545.26 789.08	856.51
23 65 14 00-0006 EA 30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	7,407.81 909.56	896.04
23 65 14 00-0007 EA 35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	8,252.04 1,025.33	942.16
23 65 14 00-0008 EA 40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	9,026.67 1,131.64	988.28
23 65 14 00-0009 EA 45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	9,886.65 1,249.76	1,040.99
23 65 14 00-0010 EA 50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	10,728.29 1,363.16	1,093.70
23 65 14 00-0011 EA 60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	12,381.22 1,592.33	1,179.35
23 65 14 00-0012 EA 70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	14,173.33 1,840.39	1,271.58
23 65 14 00-0013 EA 75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	15,005.83 1,951.43	1,337.47
23 65 14 00-0014 EA 80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	15,917.37 2,062.46	1,449.48
23 65 14 00-0015 EA 90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	16,592.67 2,138.06	1,561.48

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 65 Cooling Towers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 00-0016 EA 100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower.....	17,852.79	1,680.07
For Polymer Coating Over Galvanized Components, Add	2,272.73	
23 65 14 00-0017 EA 125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower.....	18,594.29	1,877.73
For Polymer Coating Over Galvanized Components, Add	2,336.51	
23 65 14 00-0018 EA 150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower.....	21,590.93	2,114.92
For Polymer Coating Over Galvanized Components, Add	2,728.69	
23 65 14 00-0019 EA 175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower.....	23,857.92	2,371.86
For Polymer Coating Over Galvanized Components, Add	3,007.46	
23 65 14 00-0020 EA 200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower.....	25,127.51	2,642.00
For Polymer Coating Over Galvanized Components, Add	3,132.68	
23 65 14 00-0021 EA 225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower.....	29,038.27	2,978.01
For Polymer Coating Over Galvanized Components, Add	3,638.25	
23 65 14 00-0022 EA 250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower.....	31,839.94	3,307.43
For Polymer Coating Over Galvanized Components, Add	3,978.45	
23 65 14 00-0023 EA 275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower.....	34,084.20	3,913.59
For Polymer Coating Over Galvanized Components, Add	4,169.81	
23 65 14 00-0024 EA 300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower.....	36,785.41	4,335.25
For Polymer Coating Over Galvanized Components, Add	4,472.21	
23 65 14 00-0025 EA 350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower.....	42,040.18	4,882.10
For Polymer Coating Over Galvanized Components, Add	5,128.99	
23 65 14 00-0026 EA 400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower.....	46,341.61	5,356.47
For Polymer Coating Over Galvanized Components, Add	5,660.55	
23 65 14 00-0027 EA 450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower.....	51,223.84	5,936.26
For Polymer Coating Over Galvanized Components, Add	6,253.54	
23 65 14 00-0028 EA 500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower.....	55,814.23	6,436.98
For Polymer Coating Over Galvanized Components, Add	6,820.54	
23 65 14 00-0029 EA 600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower.....	63,758.24	6,970.66
For Polymer Coating Over Galvanized Components, Add	7,883.66	
23 65 14 00-0030 EA 700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower.....	71,439.40	7,207.85
For Polymer Coating Over Galvanized Components, Add	9,020.03	
23 65 14 00-0031 EA 800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower.....	79,843.99	7,945.76
For Polymer Coating Over Galvanized Components, Add	10,106.78	
23 65 14 00-0032 EA 900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower.....	88,007.48	8,749.56
For Polymer Coating Over Galvanized Components, Add	11,141.55	
23 65 14 00-0033 EA 1,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower.....	96,018.11	9,671.95
For Polymer Coating Over Galvanized Components, Add	12,126.71	
23 65 14 00-0034 EA 1,100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower.....	105,049.69	10,139.74
For Polymer Coating Over Galvanized Components, Add	13,371.75	
23 65 14 00-0035 EA 1,200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower.....	113,758.25	10,574.58
For Polymer Coating Over Galvanized Components, Add	14,574.26	
23 65 14 00-0036 EA 1,300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower.....	121,024.61	11,483.79
For Polymer Coating Over Galvanized Components, Add	15,450.75	
23 65 14 00-0037 EA 1,400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower.....	128,065.65	12,458.90
For Polymer Coating Over Galvanized Components, Add	16,277.63	
23 65 14 00-0038 EA 1,500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower.....	134,861.60	13,486.71
For Polymer Coating Over Galvanized Components, Add	17,054.89	
23 65 14 00-0039 EA 1,600 Ton Induced Draft Cooling Tower.....	141,130.57	14,415.69
For Polymer Coating Over Galvanized Components, Add	17,777.81	
23 65 14 00-0040 EA 1,700 Ton Induced Draft Cooling Tower.....	147,270.47	15,476.44
For Polymer Coating Over Galvanized Components, Add	18,448.76	
23 65 14 00-0041 EA 1,800 Ton Induced Draft Cooling Tower.....	153,343.13	16,701.91
For Polymer Coating Over Galvanized Components, Add	19,070.10	
23 65 14 00-0042 EA 1,900 Ton Induced Draft Cooling Tower.....	159,047.00	17,927.37
For Polymer Coating Over Galvanized Components, Add	19,637.10	
23 65 14 00-0043 EA 2,000 Ton Induced Draft Cooling Tower.....	165,118.50	19,600.86
For Polymer Coating Over Galvanized Components, Add	20,154.49	
23 65 14 00-0044 Stainless Steel Packaged Propeller Type Cooling Towers <small>(23 65 14)</small>		
Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.		
23 65 14 00-0045 Draw-Thru Stainless Steel Propeller Type Cooling Towers <small>(23 65 14 00-0044)</small>		
Note: Excludes crane and associated personnel.		
23 65 14 00-0046 EA 50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	13,254.32	1,093.70
23 65 14 00-0047 EA 75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	18,700.23	1,337.47
23 65 14 00-0048 EA 100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	22,183.24	1,680.07
23 65 14 00-0049 EA 125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	25,129.14	1,877.73
23 65 14 00-0050 EA 150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	27,603.72	2,114.92
23 65 14 00-0051 EA 200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	33,169.14	2,642.00
23 65 14 00-0052 EA 250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	39,169.95	3,307.43
23 65 14 00-0053 EA 300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	46,709.21	4,335.25
23 65 14 00-0054 EA 350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	51,224.25	4,882.10
23 65 14 00-0055 EA 400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	57,955.03	5,356.47
23 65 14 00-0056 EA 500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	67,334.03	6,436.98
23 65 14 00-0057 EA 600 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	75,816.82	6,970.66
23 65 14 00-0058 EA 750 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	93,222.57	7,576.80
23 65 14 00-0059 EA 1,000 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	118,422.66	9,566.54
23 65 14 00-0060 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers <small>(23 65 14 00-0044)</small>		
Note: Excludes crane and associated personnel.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 00-0061 EA 100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	31,045.69 1,417.22	1,680.07
23 65 14 00-0062 EA 125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	35,169.88 1,607.62	1,864.55
23 65 14 00-0063 EA 150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	38,478.47 1,753.94	2,114.92
23 65 14 00-0064 EA 200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	42,965.02 1,936.10	2,642.00
23 65 14 00-0065 EA 250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	48,875.31 2,177.92	3,307.43
23 65 14 00-0066 EA 300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	56,469.48 2,474.94	4,335.25
23 65 14 00-0067 EA 350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	61,625.61 2,688.93	4,882.10
23 65 14 00-0068 EA 400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	66,663.14 2,902.93	5,356.47
23 65 14 00-0069 EA 500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	77,112.11 3,338.41	6,436.98
23 65 14 00-0070 EA 600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	86,902.17 3,785.08	6,970.66
23 65 14 00-0071 EA 750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	107,068.68 4,727.52	7,576.80
23 65 14 00-0072 EA 1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	138,533.39 6,168.00	9,671.95
23 65 14 00-0073 Belt Driven Stainless Steel Propeller Type Cooling Towers <small>(23 65 14 00-0044)</small>		
<i>Note: Excludes crane and associated personnel.</i>		
23 65 14 00-0074 EA 100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	23,060.29	1,680.07
23 65 14 00-0075 EA 125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	24,992.61	1,877.73
23 65 14 00-0076 EA 150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	26,992.31	2,114.92
23 65 14 00-0077 EA 200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	32,013.10	2,642.00
23 65 14 00-0078 EA 250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	35,550.47	3,307.43
23 65 43 Cooling Tower Basins And Accessories <small>(23 65)</small>		
23 65 43 00-0001 Fiberglass Cooling Tower Sump Basins <small>(23 65 43)</small>		
<i>Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel.</i>		
23 65 43 00-0002 EA 30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	737.73	
<i>For Anti-Flotation Flanges, Add</i>		115.00
<i>For Perforated Basins, Add</i>		80.00
23 65 43 00-0003 EA 30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	835.62	
<i>For Anti-Flotation Flanges, Add</i>		115.00
<i>For Perforated Basins, Add</i>		80.00
23 65 43 00-0004 EA 36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	817.24	
<i>For Anti-Flotation Flanges, Add</i>		253.00
<i>For Perforated Basins, Add</i>		80.00
23 65 43 00-0005 EA 36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	959.73	
<i>For Anti-Flotation Flanges, Add</i>		253.00
<i>For Perforated Basins, Add</i>		80.00
23 65 43 00-0006 EA 42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,043.08	
<i>For Anti-Flotation Flanges, Add</i>		276.00
<i>For Perforated Basins, Add</i>		100.00
23 65 43 00-0007 EA 42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,156.98	
<i>For Anti-Flotation Flanges, Add</i>		276.00
<i>For Perforated Basins, Add</i>		100.00
23 65 43 00-0008 EA 42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,270.90	
<i>For Anti-Flotation Flanges, Add</i>		276.00
<i>For Perforated Basins, Add</i>		100.00
23 65 43 00-0009 EA 48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,280.17	
<i>For Anti-Flotation Flanges, Add</i>		294.00
<i>For Perforated Basins, Add</i>		140.00
23 65 43 00-0010 EA 48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,413.01	
<i>For Anti-Flotation Flanges, Add</i>		294.00
<i>For Perforated Basins, Add</i>		140.00
23 65 43 00-0011 EA 48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,613.18	
<i>For Anti-Flotation Flanges, Add</i>		294.00
<i>For Perforated Basins, Add</i>		140.00
23 65 43 00-0012 EA 48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,814.81	
<i>For Anti-Flotation Flanges, Add</i>		294.00
<i>For Perforated Basins, Add</i>		140.00
23 65 43 00-0013 EA 48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,944.73	
<i>For Anti-Flotation Flanges, Add</i>		294.00
<i>For Perforated Basins, Add</i>		140.00

23 70 Central HVAC Equipment (23)

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0110 for terminations, 26 28 16 00-0001 for disconnect.

23 72 Air-To-Air Energy Recovery Equipment (23 70)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 72 Air-To-Air Energy Recovery Equipment**MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment (23 72)

23 72 16 00-0001	Glycol Heat Pipe Type, 50 Percent Efficient (23 72 16)		
23 72 16 00-0002	EA 100 MBH, 1,700 CFM Glycol Heat Recovery Unit	9,599.49	351.90
23 72 16 00-0003	EA 160 MBH, 2,700 CFM Glycol Heat Recovery Unit	15,066.85	469.23
23 72 16 00-0004	EA 620 MBH, 4,000 CFM Glycol Heat Recovery Unit	22,338.63	703.81

23 73 Indoor Central-Station Air-Handling Units (23 70)**23 73 13 Modular Indoor Central-Station Air-Handling Units (23 73)**

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

23 73 13 00-0001 Single Zone Units (23 73 13)

Note: Horizontal/vertical draw-thru fan, motor and cabinet.

23 73 13 00-0002	EA 300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	1,534.17	349.43
	<i>For Flat Filter Box And Throwaway Filters, Add</i>	128.46	
	<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	241.94	
	<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	360.41	
	<i>For Manual Roll Filter, Add</i>	619.16	
	<i>For Automatic Roll Filter, Add</i>	670.91	
	<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	308.66	
	<i>For Electric Heating Coil, Add</i>	515.66	
	<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	515.66	
	<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	463.91	
	<i>For Steam Heating Coil, Aluminum Fins, Add</i>	412.16	
	<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	335.45	
	<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	619.16	
	<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	567.41	
	<i>For Hot Water Heating Coil, Copper Fins, Add</i>	412.16	
	<i>For Variable Air Volume, Add</i>	144.90	
	<i>For Economizer, Panel, Controls And Damper(s), Add</i>	989.43	
	<i>For 2 Coils, Independent Circuits, Add</i>	174.12	
23 73 13 00-0003	EA 500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	2,429.66	419.31
	<i>For Flat Filter Box And Throwaway Filters, Add</i>	213.04	
	<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	408.12	
	<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	609.19	
	<i>For Manual Roll Filter, Add</i>	1,066.97	
	<i>For Automatic Roll Filter, Add</i>	1,158.53	
	<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	517.63	
	<i>For Electric Heating Coil, Add</i>	883.86	
	<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	883.86	
	<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	792.30	
	<i>For Steam Heating Coil, Aluminum Fins, Add</i>	700.75	
	<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	579.26	
	<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	1,066.97	
	<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	975.41	
	<i>For Hot Water Heating Coil, Copper Fins, Add</i>	700.75	
	<i>For Variable Air Volume, Add</i>	256.36	
	<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,058.98	
	<i>For 2 Coils, Independent Circuits, Add</i>	279.59	
23 73 13 00-0004	EA 800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	2,747.66	450.32
	<i>For Flat Filter Box And Throwaway Filters, Add</i>	242.60	
	<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	465.91	
	<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	695.64	
	<i>For Manual Roll Filter, Add</i>	1,221.74	
	<i>For Automatic Roll Filter, Add</i>	1,326.96	
	<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	590.42	
	<i>For Electric Heating Coil, Add</i>	1,011.30	
	<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	1,011.30	
	<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	906.08	
	<i>For Steam Heating Coil, Aluminum Fins, Add</i>	800.86	
	<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	663.48	
	<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	1,221.74	
	<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	1,116.52	
	<i>For Hot Water Heating Coil, Copper Fins, Add</i>	800.86	
	<i>For Variable Air Volume, Add</i>	294.61	
	<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,090.29	
	<i>For 2 Coils, Independent Circuits, Add</i>	316.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0005 EA 1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,101.32	483.89
For Flat Filter Box And Throwaway Filters, Add	275.56	
For Medium Capacity Filter Box And Throwaway Filters, Add	530.38	
For Combination Filter Mixing Box And Throwaway Filters, Add	792.12	
For Manual Roll Filter, Add	1,394.60	
For Automatic Roll Filter, Add	1,515.10	
For Hot Water Heating Coil, Aluminum Fins, Add	671.62	
For Electric Heating Coil, Add	1,153.61	
For Chilled Water Cooling Coil, Aluminum Fins, Add	1,153.61	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,033.11	
For Steam Heating Coil, Aluminum Fins, Add	912.61	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	757.55	
For Chilled Water Cooling Coil, Copper Fins, Add	1,394.60	
For Direct Expansion Cooling Coil, Copper Fins, Add	1,274.10	
For Hot Water Heating Coil, Copper Fins, Add	912.61	
For Variable Air Volume, Add	337.39	
For Economizer, Panel, Controls And Damper(s), Add	1,123.97	
For 2 Coils, Independent Circuits, Add	358.33	
23 73 13 00-0006 EA 1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,518.54	520.58
For Flat Filter Box And Throwaway Filters, Add	314.71	
For Medium Capacity Filter Box And Throwaway Filters, Add	607.14	
For Combination Filter Mixing Box And Throwaway Filters, Add	907.00	
For Manual Roll Filter, Add	1,600.93	
For Automatic Roll Filter, Add	1,739.71	
For Hot Water Heating Coil, Aluminum Fins, Add	768.21	
For Electric Heating Coil, Add	1,323.36	
For Chilled Water Cooling Coil, Aluminum Fins, Add	1,323.36	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,184.57	
For Steam Heating Coil, Aluminum Fins, Add	1,045.78	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	869.86	
For Chilled Water Cooling Coil, Copper Fins, Add	1,600.93	
For Direct Expansion Cooling Coil, Copper Fins, Add	1,462.14	
For Hot Water Heating Coil, Copper Fins, Add	1,045.78	
For Variable Air Volume, Add	388.60	
For Economizer, Panel, Controls And Damper(s), Add	1,159.97	
For 2 Coils, Independent Circuits, Add	407.37	
23 73 13 00-0007 EA 1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,005.28	559.46
For Flat Filter Box And Throwaway Filters, Add	360.57	
For Medium Capacity Filter Box And Throwaway Filters, Add	697.16	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,041.74	
For Manual Roll Filter, Add	1,843.26	
For Automatic Roll Filter, Add	2,003.56	
For Hot Water Heating Coil, Aluminum Fins, Add	881.44	
For Electric Heating Coil, Add	1,522.65	
For Chilled Water Cooling Coil, Aluminum Fins, Add	1,522.65	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,362.35	
For Steam Heating Coil, Aluminum Fins, Add	1,202.05	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,001.78	
For Chilled Water Cooling Coil, Copper Fins, Add	1,843.26	
For Direct Expansion Cooling Coil, Copper Fins, Add	1,682.96	
For Hot Water Heating Coil, Copper Fins, Add	1,202.05	
For Variable Air Volume, Add	448.85	
For Economizer, Panel, Controls And Damper(s), Add	1,199.45	
For 2 Coils, Independent Circuits, Add	464.65	
23 73 13 00-0008 EA 1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,386.24	601.45
For Flat Filter Box And Throwaway Filters, Add	395.75	
For Medium Capacity Filter Box And Throwaway Filters, Add	765.78	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,144.39	
For Manual Roll Filter, Add	2,026.60	
For Automatic Roll Filter, Add	2,203.04	
For Hot Water Heating Coil, Aluminum Fins, Add	967.95	
For Electric Heating Coil, Add	1,673.71	
For Chilled Water Cooling Coil, Aluminum Fins, Add	1,673.71	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,497.27	
For Steam Heating Coil, Aluminum Fins, Add	1,320.83	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,101.52	
For Chilled Water Cooling Coil, Copper Fins, Add	2,026.60	
For Direct Expansion Cooling Coil, Copper Fins, Add	1,850.16	
For Hot Water Heating Coil, Copper Fins, Add	1,320.83	
For Variable Air Volume, Add	494.04	
For Economizer, Panel, Controls And Damper(s), Add	1,240.19	
For 2 Coils, Independent Circuits, Add	509.20	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0009 EA 1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,798.88	648.18
For Flat Filter Box And Throwaway Filters, Add	433.60	
For Medium Capacity Filter Box And Throwaway Filters, Add	839.42	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,254.51	
For Manual Roll Filter, Add	2,222.78	
For Automatic Roll Filter, Add	2,416.44	
For Hot Water Heating Coil, Aluminum Fins, Add	1,060.85	
For Electric Heating Coil, Add	1,835.47	
For Chilled Water Cooling Coil, Aluminum Fins, Add	1,835.47	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,641.82	
For Steam Heating Coil, Aluminum Fins, Add	1,448.16	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,208.22	
For Chilled Water Cooling Coil, Copper Fins, Add	2,222.78	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,029.13	
For Hot Water Heating Coil, Copper Fins, Add	1,448.16	
For Variable Air Volume, Add	542.23	
For Economizer, Panel, Controls And Damper(s), Add	1,259.18	
For 2 Coils, Independent Circuits, Add	557.35	
23 73 13 00-0010 EA 2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,253.21	694.92
For Flat Filter Box And Throwaway Filters, Add	475.68	
For Medium Capacity Filter Box And Throwaway Filters, Add	921.58	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,377.40	
For Manual Roll Filter, Add	2,442.51	
For Automatic Roll Filter, Add	2,655.53	
For Hot Water Heating Coil, Aluminum Fins, Add	1,164.38	
For Electric Heating Coil, Add	2,016.46	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,016.46	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,803.44	
For Steam Heating Coil, Aluminum Fins, Add	1,590.42	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,327.76	
For Chilled Water Cooling Coil, Copper Fins, Add	2,442.51	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,229.49	
For Hot Water Heating Coil, Copper Fins, Add	1,590.42	
For Variable Air Volume, Add	596.46	
For Economizer, Panel, Controls And Damper(s), Add	1,296.04	
For 2 Coils, Independent Circuits, Add	610.53	
23 73 13 00-0011 EA 2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,671.77	746.96
For Flat Filter Box And Throwaway Filters, Add	513.82	
For Medium Capacity Filter Box And Throwaway Filters, Add	995.63	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,488.12	
For Manual Roll Filter, Add	2,639.29	
For Automatic Roll Filter, Add	2,869.52	
For Hot Water Heating Coil, Aluminum Fins, Add	1,257.88	
For Electric Heating Coil, Add	2,178.82	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,178.82	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,948.58	
For Steam Heating Coil, Aluminum Fins, Add	1,718.35	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,434.76	
For Chilled Water Cooling Coil, Copper Fins, Add	2,639.29	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,409.05	
For Hot Water Heating Coil, Copper Fins, Add	1,718.35	
For Variable Air Volume, Add	644.66	
For Economizer, Panel, Controls And Damper(s), Add	1,336.89	
For 2 Coils, Independent Circuits, Add	659.27	
23 73 13 00-0012 EA 2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,118.55	803.74
For Flat Filter Box And Throwaway Filters, Add	554.45	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,074.46	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,605.95	
For Manual Roll Filter, Add	2,848.57	
For Automatic Roll Filter, Add	3,097.10	
For Hot Water Heating Coil, Aluminum Fins, Add	1,357.43	
For Electric Heating Coil, Add	2,351.52	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,351.52	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,103.00	
For Steam Heating Coil, Aluminum Fins, Add	1,854.48	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,548.55	
For Chilled Water Cooling Coil, Copper Fins, Add	2,848.57	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,600.05	
For Hot Water Heating Coil, Copper Fins, Add	1,854.48	
For Variable Air Volume, Add	695.87	
For Economizer, Panel, Controls And Damper(s), Add	1,381.44	
For 2 Coils, Independent Circuits, Add	711.26	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0013 EA 3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,117.17	930.34
<i>For Flat Filter Box And Throwaway Filters, Add</i>	645.27	
<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,250.66	
<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,869.35	
<i>For Manual Roll Filter, Add</i>	3,316.38	
<i>For Automatic Roll Filter, Add</i>	3,605.79	
<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,579.94	
<i>For Electric Heating Coil, Add</i>	2,737.57	
<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	2,737.57	
<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,448.16	
<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,158.75	
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,802.89	
<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,316.38	
<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,026.97	
<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,158.75	
<i>For Variable Air Volume, Add</i>	810.34	
<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,480.97	
<i>For 2 Coils, Independent Circuits, Add</i>	827.48	
23 73 13 00-0014 EA 3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,453.51	999.80
<i>For Flat Filter Box And Throwaway Filters, Add</i>	673.92	
<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,304.97	
<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,950.32	
<i>For Manual Roll Filter, Add</i>	3,456.52	
<i>For Automatic Roll Filter, Add</i>	3,757.77	
<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,649.08	
<i>For Electric Heating Coil, Add</i>	2,854.04	
<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	2,854.04	
<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,552.80	
<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,251.56	
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,878.88	
<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,456.52	
<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,155.28	
<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,251.56	
<i>For Variable Air Volume, Add</i>	843.48	
<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,535.77	
<i>For 2 Coils, Independent Circuits, Add</i>	865.85	
23 73 13 00-0015 EA 3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,796.52	1,074.48
<i>For Flat Filter Box And Throwaway Filters, Add</i>	702.90	
<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,359.75	
<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,031.96	
<i>For Manual Roll Filter, Add</i>	3,597.34	
<i>For Automatic Roll Filter, Add</i>	3,910.41	
<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,718.88	
<i>For Electric Heating Coil, Add</i>	2,971.18	
<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	2,971.18	
<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,658.11	
<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,345.03	
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,955.21	
<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,597.34	
<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,284.26	
<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,345.03	
<i>For Variable Air Volume, Add</i>	876.61	
<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,594.25	
<i>For 2 Coils, Independent Circuits, Add</i>	904.88	
23 73 13 00-0016 EA 4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,550.59	1,240.46
<i>For Flat Filter Box And Throwaway Filters, Add</i>	766.43	
<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,479.67	
<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,210.65	
<i>For Manual Roll Filter, Add</i>	3,905.13	
<i>For Automatic Roll Filter, Add</i>	4,244.02	
<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,871.75	
<i>For Electric Heating Coil, Add</i>	3,227.33	
<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	3,227.33	
<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,888.44	
<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,549.54	
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,122.01	
<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,905.13	
<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,566.23	
<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,549.54	
<i>For Variable Air Volume, Add</i>	948.91	
<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,649.06	
<i>For 2 Coils, Independent Circuits, Add</i>	990.62	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0017 EA 4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,550.59	1,240.46
For Flat Filter Box And Throwaway Filters, Add	766.43	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,479.67	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,210.65	
For Manual Roll Filter, Add	3,905.13	
For Automatic Roll Filter, Add	4,244.02	
For Hot Water Heating Coil, Aluminum Fins, Add	1,871.75	
For Electric Heating Coil, Add	3,227.33	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,227.33	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,888.44	
For Steam Heating Coil, Aluminum Fins, Add	2,549.54	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,122.01	
For Chilled Water Cooling Coil, Copper Fins, Add	3,905.13	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,566.23	
For Hot Water Heating Coil, Copper Fins, Add	2,549.54	
For Variable Air Volume, Add	948.91	
For Economizer, Panel, Controls And Damper(s), Add	1,649.06	
For 2 Coils, Independent Circuits, Add	990.62	
23 73 13 00-0018 EA 5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,373.19	1,424.79
For Flat Filter Box And Throwaway Filters, Add	835.53	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,609.98	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,404.80	
For Manual Roll Filter, Add	4,239.14	
For Automatic Roll Filter, Add	4,606.01	
For Hot Water Heating Coil, Aluminum Fins, Add	2,037.93	
For Electric Heating Coil, Add	3,505.40	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,505.40	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,138.53	
For Steam Heating Coil, Aluminum Fins, Add	2,771.66	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,303.00	
For Chilled Water Cooling Coil, Copper Fins, Add	4,239.14	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,872.27	
For Hot Water Heating Coil, Copper Fins, Add	2,771.66	
For Variable Air Volume, Add	1,027.23	
For Economizer, Panel, Controls And Damper(s), Add	1,754.32	
For 2 Coils, Independent Circuits, Add	1,084.07	
23 73 13 00-0019 EA 5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,847.38	1,545.78
For Flat Filter Box And Throwaway Filters, Add	874.30	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,682.34	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,512.46	
For Manual Roll Filter, Add	4,422.12	
For Automatic Roll Filter, Add	4,804.05	
For Hot Water Heating Coil, Aluminum Fins, Add	2,130.53	
For Electric Heating Coil, Add	3,658.26	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,658.26	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,276.32	
For Steam Heating Coil, Aluminum Fins, Add	2,894.39	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,402.02	
For Chilled Water Cooling Coil, Copper Fins, Add	4,422.12	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,040.19	
For Hot Water Heating Coil, Copper Fins, Add	2,894.39	
For Variable Air Volume, Add	1,069.41	
For Economizer, Panel, Controls And Damper(s), Add	1,823.50	
For 2 Coils, Independent Circuits, Add	1,137.51	
23 73 13 00-0020 EA 6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,312.39	1,660.66
For Flat Filter Box And Throwaway Filters, Add	912.61	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,754.05	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,619.21	
For Manual Roll Filter, Add	4,604.18	
For Automatic Roll Filter, Add	5,001.17	
For Hot Water Heating Coil, Aluminum Fins, Add	2,222.22	
For Electric Heating Coil, Add	3,810.19	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,810.19	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,413.20	
For Steam Heating Coil, Aluminum Fins, Add	3,016.20	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,500.58	
For Chilled Water Cooling Coil, Copper Fins, Add	4,604.18	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,207.18	
For Hot Water Heating Coil, Copper Fins, Add	3,016.20	
For Variable Air Volume, Add	1,111.58	
For Economizer, Panel, Controls And Damper(s), Add	1,889.01	
For 2 Coils, Independent Circuits, Add	1,190.04	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0021 EA 6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,780.17	1,777.70
For Flat Filter Box And Throwaway Filters, Add	951.06	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,825.95	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,726.24	
For Manual Roll Filter, Add	4,786.51	
For Automatic Roll Filter, Add	5,198.57	
For Hot Water Heating Coil, Aluminum Fins, Add	2,314.18	
For Electric Heating Coil, Add	3,962.40	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,962.40	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,550.35	
For Steam Heating Coil, Aluminum Fins, Add	3,138.29	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,599.28	
For Chilled Water Cooling Coil, Copper Fins, Add	4,786.51	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,374.46	
For Hot Water Heating Coil, Copper Fins, Add	3,138.29	
For Variable Air Volume, Add	1,153.75	
For Economizer, Panel, Controls And Damper(s), Add	1,955.63	
For 2 Coils, Independent Circuits, Add	1,242.84	
23 73 13 00-0022 EA 7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,319.12	1,913.55
For Flat Filter Box And Throwaway Filters, Add	995.23	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,908.44	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,848.99	
For Manual Roll Filter, Add	4,995.33	
For Automatic Roll Filter, Add	5,424.60	
For Hot Water Heating Coil, Aluminum Fins, Add	2,419.72	
For Electric Heating Coil, Add	4,136.80	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,136.80	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,707.53	
For Steam Heating Coil, Aluminum Fins, Add	3,278.26	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,712.30	
For Chilled Water Cooling Coil, Copper Fins, Add	4,995.33	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,566.06	
For Hot Water Heating Coil, Copper Fins, Add	3,278.26	
For Variable Air Volume, Add	1,201.95	
For Economizer, Panel, Controls And Damper(s), Add	2,033.50	
For 2 Coils, Independent Circuits, Add	1,303.62	
23 73 13 00-0023 EA 7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,866.02	2,050.26
For Flat Filter Box And Throwaway Filters, Add	1,039.78	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,991.48	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,972.53	
For Manual Roll Filter, Add	5,204.95	
For Automatic Roll Filter, Add	5,651.43	
For Hot Water Heating Coil, Aluminum Fins, Add	2,526.05	
For Electric Heating Coil, Add	4,311.98	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,311.98	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,865.50	
For Steam Heating Coil, Aluminum Fins, Add	3,419.02	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,825.72	
For Chilled Water Cooling Coil, Copper Fins, Add	5,204.95	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,758.47	
For Hot Water Heating Coil, Copper Fins, Add	3,419.02	
For Variable Air Volume, Add	1,250.15	
For Economizer, Panel, Controls And Damper(s), Add	2,060.91	
For 2 Coils, Independent Circuits, Add	1,365.20	
23 73 13 00-0024 EA 8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	12,429.31	2,207.88
For Flat Filter Box And Throwaway Filters, Add	1,085.16	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,075.66	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,097.72	
For Manual Roll Filter, Add	5,416.20	
For Automatic Roll Filter, Add	5,879.90	
For Hot Water Heating Coil, Aluminum Fins, Add	2,634.02	
For Electric Heating Coil, Add	4,488.81	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,488.81	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,025.11	
For Steam Heating Coil, Aluminum Fins, Add	3,561.41	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,939.95	
For Chilled Water Cooling Coil, Copper Fins, Add	5,416.20	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,952.50	
For Hot Water Heating Coil, Copper Fins, Add	3,561.41	
For Variable Air Volume, Add	1,298.35	
For Economizer, Panel, Controls And Damper(s), Add	2,126.61	
For 2 Coils, Independent Circuits, Add	1,428.41	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0025 EA 9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,070.94	2,391.83
For Flat Filter Box And Throwaway Filters, Add	1,136.61	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,170.93	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,239.34	
For Manual Roll Filter, Add	5,654.65	
For Automatic Roll Filter, Add	6,137.71	
For Hot Water Heating Coil, Aluminum Fins, Add	2,756.28	
For Electric Heating Coil, Add	4,688.53	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,688.53	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,205.47	
For Steam Heating Coil, Aluminum Fins, Add	3,722.40	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,068.86	
For Chilled Water Cooling Coil, Copper Fins, Add	5,654.65	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,171.59	
For Hot Water Heating Coil, Copper Fins, Add	3,722.40	
For Variable Air Volume, Add	1,352.57	
For Economizer, Panel, Controls And Damper(s), Add	2,202.91	
For 2 Coils, Independent Circuits, Add	1,500.32	
23 73 13 00-0026 EA 10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,697.54	2,553.68
For Flat Filter Box And Throwaway Filters, Add	1,187.30	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,265.14	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,379.46	
For Manual Roll Filter, Add	5,891.60	
For Automatic Roll Filter, Add	6,394.03	
For Hot Water Heating Coil, Aluminum Fins, Add	2,877.04	
For Electric Heating Coil, Add	4,886.75	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,886.75	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,384.32	
For Steam Heating Coil, Aluminum Fins, Add	3,881.89	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,197.01	
For Chilled Water Cooling Coil, Copper Fins, Add	5,891.60	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,389.17	
For Hot Water Heating Coil, Copper Fins, Add	3,881.89	
For Variable Air Volume, Add	1,406.80	
For Economizer, Panel, Controls And Damper(s), Add	2,274.70	
For 2 Coils, Independent Circuits, Add	1,570.73	
23 73 13 00-0027 EA 11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,762.52	2,472.63
For Flat Filter Box And Throwaway Filters, Add	1,200.24	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,294.86	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,424.69	
For Manual Roll Filter, Add	5,985.25	
For Automatic Roll Filter, Add	6,497.36	
For Hot Water Heating Coil, Aluminum Fins, Add	2,912.58	
For Electric Heating Coil, Add	4,961.03	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,961.03	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,448.92	
For Steam Heating Coil, Aluminum Fins, Add	3,936.80	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,248.68	
For Chilled Water Cooling Coil, Copper Fins, Add	5,985.25	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,473.14	
For Hot Water Heating Coil, Copper Fins, Add	3,936.80	
For Variable Air Volume, Add	1,433.91	
For Economizer, Panel, Controls And Damper(s), Add	2,236.09	
For 2 Coils, Independent Circuits, Add	1,581.10	
23 73 13 00-0028 EA 12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,354.08	2,743.32
For Flat Filter Box And Throwaway Filters, Add	1,239.50	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,361.45	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,522.58	
For Manual Roll Filter, Add	6,131.55	
For Automatic Roll Filter, Add	6,653.34	
For Hot Water Heating Coil, Aluminum Fins, Add	3,000.79	
For Electric Heating Coil, Add	5,087.96	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,087.96	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,566.17	
For Steam Heating Coil, Aluminum Fins, Add	4,044.37	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,326.67	
For Chilled Water Cooling Coil, Copper Fins, Add	6,131.55	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,609.75	
For Hot Water Heating Coil, Copper Fins, Add	4,044.37	
For Variable Air Volume, Add	1,461.02	
For Economizer, Panel, Controls And Damper(s), Add	2,355.47	
For 2 Coils, Independent Circuits, Add	1,644.13	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0029 EA 13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	15,118.24 1,308.91 2,496.06 3,723.80 6,488.76 7,041.75 3,170.80 5,382.78 5,382.78 4,829.78 4,276.79 3,520.88 6,488.76 5,935.77 4,276.79 1,548.38 2,211.68 1,733.02	2,853.51
23 73 13 00-0030 EA 15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	15,921.40 1,380.26 2,633.40 3,928.91 6,849.88 7,434.07 3,344.72 5,681.49 5,681.49 5,097.30 4,513.11 3,717.04 6,849.88 6,265.68 4,513.11 1,635.74 2,247.51 1,825.82	2,964.01
23 73 13 00-0031 EA 16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	16,774.42 1,458.42 2,785.42 4,156.23 7,254.71 7,874.41 3,536.53 6,015.32 6,015.32 5,395.62 4,775.92 3,937.20 7,254.71 6,635.01 4,775.92 1,735.15 2,276.10 1,925.32	3,078.02
23 73 13 00-0032 EA 17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	17,662.27 1,538.31 2,939.88 4,387.03 7,663.03 8,318.23 3,731.83 6,352.63 6,352.63 5,697.43 5,042.23 4,159.11 7,663.03 7,007.83 5,042.23 1,834.56 2,311.65 2,028.31	3,192.14

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0033 EA 20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	19,695.67	3,422.20
For Flat Filter Box And Throwaway Filters, Add	1,724.98	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,303.20	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,670.53	
For Manual Roll Filter, Add	8,187.19	
For Automatic Roll Filter, Add	8,631.30	
For Hot Water Heating Coil, Aluminum Fins, Add	3,449.95	
For Electric Heating Coil, Add	3,746.03	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,410.73	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,670.53	
For Steam Heating Coil, Aluminum Fins, Add	4,930.34	
For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	3,945.56	
For Chilled Water Cooling Coil, Copper Fins, Add	7,891.11	
For Direct Expansion Cooling Coil, Copper Fins, Add	7,150.92	
For Hot Water Heating Coil, Copper Fins, Add	5,670.53	
For Variable Air Volume, Add	2,072.54	
For Economizer, Panel, Controls And Damper(s), Add	2,591.07	
For 2 Coils, Independent Circuits, Add	2,265.64	
23 73 13 00-0034 EA 22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	21,856.22	3,688.20
For Flat Filter Box And Throwaway Filters, Add	1,921.23	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,683.81	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,327.69	
For Manual Roll Filter, Add	9,144.30	
For Automatic Roll Filter, Add	9,641.35	
For Hot Water Heating Coil, Aluminum Fins, Add	3,842.45	
For Electric Heating Coil, Add	4,173.82	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,156.11	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,327.69	
For Steam Heating Coil, Aluminum Fins, Add	5,499.28	
For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	4,406.47	
For Chilled Water Cooling Coil, Copper Fins, Add	8,812.93	
For Direct Expansion Cooling Coil, Copper Fins, Add	7,984.52	
For Hot Water Heating Coil, Copper Fins, Add	6,327.69	
For Variable Air Volume, Add	2,319.56	
For Economizer, Panel, Controls And Damper(s), Add	2,660.39	
For 2 Coils, Independent Circuits, Add	2,516.99	
23 73 13 00-0035 EA 25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	24,219.07	3,951.83
For Flat Filter Box And Throwaway Filters, Add	2,139.42	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,109.35	
For Combination Filter Mixing Box And Throwaway Filters, Add	7,064.25	
For Manual Roll Filter, Add	10,221.05	
For Automatic Roll Filter, Add	10,778.13	
For Hot Water Heating Coil, Aluminum Fins, Add	4,278.85	
For Electric Heating Coil, Add	4,650.23	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,992.72	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,064.25	
For Steam Heating Coil, Aluminum Fins, Add	6,135.78	
For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	4,924.83	
For Chilled Water Cooling Coil, Copper Fins, Add	9,849.66	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,921.19	
For Hot Water Heating Coil, Copper Fins, Add	7,064.25	
For Variable Air Volume, Add	2,599.71	
For Economizer, Panel, Controls And Damper(s), Add	2,723.70	
For 2 Coils, Independent Circuits, Add	2,793.29	
23 73 13 00-0036 EA 27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	29,832.73	4,256.02
For Flat Filter Box And Throwaway Filters, Add	2,679.39	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,176.45	
For Combination Filter Mixing Box And Throwaway Filters, Add	8,922.03	
For Manual Roll Filter, Add	12,960.39	
For Automatic Roll Filter, Add	13,673.04	
For Hot Water Heating Coil, Aluminum Fins, Add	5,358.78	
For Electric Heating Coil, Add	5,833.88	
For Chilled Water Cooling Coil, Aluminum Fins, Add	10,109.78	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,922.03	
For Steam Heating Coil, Aluminum Fins, Add	7,734.28	
For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	6,242.64	
For Chilled Water Cooling Coil, Copper Fins, Add	12,485.29	
For Direct Expansion Cooling Coil, Copper Fins, Add	11,297.53	
For Hot Water Heating Coil, Copper Fins, Add	8,922.03	
For Variable Air Volume, Add	3,325.70	
For Economizer, Panel, Controls And Damper(s), Add	2,798.60	
For 2 Coils, Independent Circuits, Add	3,458.37	



Heating, Ventilating, And Air-Conditioning (HVAC)		23
Central HVAC Equipment		23 70
Indoor Central-Station Air-Handling Units		23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0037 EA 30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	33,338.26 3,009.59 5,824.64 10,047.21 14,612.30 15,417.91 6,019.18 6,556.25 11,389.88 10,047.21 8,704.53 7,037.62 14,075.23 12,732.56 10,047.21 3,759.49 2,737.71 3,870.90	4,542.67
23 73 13 00-0038 EA 32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	36,527.96 3,303.56 6,397.57 11,038.59 16,060.93 16,947.22 6,607.11 7,197.98 12,515.75 11,038.59 9,561.43 7,735.03 15,470.06 13,992.91 11,038.59 4,136.04 2,812.72 4,243.66	4,891.78
23 73 13 00-0039 EA 35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	40,079.97 3,628.55 7,029.43 12,130.76 17,654.23 18,628.97 7,257.10 7,906.92 13,755.31 12,130.76 10,506.21 8,502.21 17,004.41 15,379.86 12,130.76 4,548.75 2,903.34 4,657.82	5,825.08
23 73 13 00-0040 EA 37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	43,140.17 3,911.74 7,582.11 13,087.67 19,053.76 20,106.60 7,823.48 8,525.37 14,842.40 13,087.67 11,332.94 9,175.93 18,351.87 16,597.13 13,087.67 4,913.25 2,971.83 5,015.91	5,634.57

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0041 EA 40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	46,531.57	6,027.61
For Flat Filter Box And Throwaway Filters, Add	4,221.17	
For Medium Capacity Filter Box And Throwaway Filters, Add	8,183.15	
For Combination Filter Mixing Box And Throwaway Filters, Add	14,126.12	
For Manual Roll Filter, Add	20,567.74	
For Automatic Roll Filter, Add	21,704.49	
For Hot Water Heating Coil, Aluminum Fins, Add	8,442.34	
For Electric Heating Coil, Add	9,200.18	
For Chilled Water Cooling Coil, Aluminum Fins, Add	16,020.72	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	14,126.12	
For Steam Heating Coil, Aluminum Fins, Add	12,231.53	
For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	9,904.95	
For Chilled Water Cooling Coil, Copper Fins, Add	19,809.90	
For Direct Expansion Cooling Coil, Copper Fins, Add	17,915.31	
For Hot Water Heating Coil, Copper Fins, Add	14,126.12	
For Variable Air Volume, Add	5,304.86	
For Economizer, Panel, Controls And Damper(s), Add	2,909.96	
For 2 Coils, Independent Circuits, Add	5,410.99	
23 73 13 00-0042 EA 45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	50,223.48	6,508.14
For Flat Filter Box And Throwaway Filters, Add	4,557.46	
For Medium Capacity Filter Box And Throwaway Filters, Add	8,836.00	
For Combination Filter Mixing Box And Throwaway Filters, Add	15,253.80	
For Manual Roll Filter, Add	22,211.18	
For Automatic Roll Filter, Add	23,438.95	
For Hot Water Heating Coil, Aluminum Fins, Add	9,114.93	
For Electric Heating Coil, Add	9,933.44	
For Chilled Water Cooling Coil, Aluminum Fins, Add	17,300.09	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	15,253.80	
For Steam Heating Coil, Aluminum Fins, Add	13,207.51	
For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	10,696.33	
For Chilled Water Cooling Coil, Copper Fins, Add	21,392.66	
For Direct Expansion Cooling Coil, Copper Fins, Add	19,346.37	
For Hot Water Heating Coil, Copper Fins, Add	15,253.80	
For Variable Air Volume, Add	5,729.61	
For Economizer, Panel, Controls And Damper(s), Add	2,992.21	
For 2 Coils, Independent Circuits, Add	5,840.86	
23 73 13 00-0043 EA 47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	52,320.02	6,813.82
For Flat Filter Box And Throwaway Filters, Add	4,746.21	
For Medium Capacity Filter Box And Throwaway Filters, Add	9,200.94	
For Combination Filter Mixing Box And Throwaway Filters, Add	15,883.04	
For Manual Roll Filter, Add	23,125.74	
For Automatic Roll Filter, Add	24,403.87	
For Hot Water Heating Coil, Aluminum Fins, Add	9,492.42	
For Electric Heating Coil, Add	10,344.50	
For Chilled Water Cooling Coil, Aluminum Fins, Add	18,013.24	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	15,883.04	
For Steam Heating Coil, Aluminum Fins, Add	13,752.83	
For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	11,136.83	
For Chilled Water Cooling Coil, Copper Fins, Add	22,273.66	
For Direct Expansion Cooling Coil, Copper Fins, Add	20,143.45	
For Hot Water Heating Coil, Copper Fins, Add	15,883.04	
For Variable Air Volume, Add	5,964.58	
For Economizer, Panel, Controls And Damper(s), Add	3,044.49	
For 2 Coils, Independent Circuits, Add	6,084.08	
23 73 13 00-0044 EA 50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	54,296.78	7,075.89
For Flat Filter Box And Throwaway Filters, Add	4,924.66	
For Medium Capacity Filter Box And Throwaway Filters, Add	9,546.31	
For Combination Filter Mixing Box And Throwaway Filters, Add	16,478.78	
For Manual Roll Filter, Add	23,992.17	
For Automatic Roll Filter, Add	25,318.06	
For Hot Water Heating Coil, Aluminum Fins, Add	9,849.32	
For Electric Heating Coil, Add	10,733.25	
For Chilled Water Cooling Coil, Aluminum Fins, Add	18,688.60	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,478.78	
For Steam Heating Coil, Aluminum Fins, Add	14,268.96	
For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	11,554.12	
For Chilled Water Cooling Coil, Copper Fins, Add	23,108.24	
For Direct Expansion Cooling Coil, Copper Fins, Add	20,898.42	
For Hot Water Heating Coil, Copper Fins, Add	16,478.78	
For Variable Air Volume, Add	6,187.50	
For Economizer, Panel, Controls And Damper(s), Add	3,092.55	
For 2 Coils, Independent Circuits, Add	6,313.61	



Heating, Ventilating, And Air-Conditioning (HVAC)			23
Central HVAC Equipment			23 70
Indoor Central-Station Air-Handling Units			23 73

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73	13 00-0045	EA	55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	58,546.36 5,314.66 10,305.32 17,791.33 25,908.28 27,340.68 10,629.31 11,584.25 20,178.66 17,791.33 15,403.99 12,476.67 24,953.34 22,566.00 17,791.33 6,684.55 3,179.95 6,809.57	7,556.36
23 73	13 00-0046	EA	60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	64,057.18 5,827.96 11,309.27 19,531.24 28,456.59 30,031.65 11,655.93 12,705.97 22,156.34 19,531.24 16,906.13 13,703.27 27,406.55 24,781.44 19,531.24 7,350.29 3,055.51 7,455.76	8,080.49
23 73	13 00-0047	EA	65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	70,231.81 6,399.20 12,424.02 21,461.25 31,279.14 33,011.71 12,798.41 13,953.45 24,348.87 21,461.25 18,573.64 15,062.05 30,124.09 27,236.48 21,461.25 8,085.32 3,147.95 8,178.23	8,735.67
23 73	13 00-0048	EA	70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	77,105.10 7,032.28 13,657.61 23,595.61 34,397.48 36,303.69 14,064.55 15,335.36 26,772.63 23,595.61 20,418.59 16,563.34 33,126.67 29,949.65 23,595.61 8,895.66 3,256.47 8,981.32	9,478.20

23 73 13 00-0049 Multi-Zone Units (23 73 13)
Note: Horizontal/vertical blow-thru fan, motor and cabinet.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0050 EA 1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	4,565.53	786.09
For Economizer, Panel, Controls And Damper(s), Add	1,425.94	
For Flat Filter Box And Throwaway Filters, Add	400.41	
For Medium Capacity Filter Box And Throwaway Filters, Add	767.15	
For Combination Filter Mixing Box And Throwaway Filters, Add	972.97	
For Manual Roll Filter, Add	2,005.80	
For Automatic Roll Filter, Add	2,005.80	
For Hot Water Heating Coil, Aluminum Fins, Add	456.55	
For Electric Heating Coil, Add	525.41	
For Chilled Water Cooling Coil, Aluminum Fins, Add	1,661.52	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,661.52	
For Chilled Water Cooling Coil, Copper Fins, Add	2,005.80	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,005.80	
For 2 Coils, Independent Circuits, Add	525.41	
23 73 13 00-0051 EA 1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	5,688.87	984.83
For Economizer, Panel, Controls And Damper(s), Add	1,624.86	
For Flat Filter Box And Throwaway Filters, Add	498.54	
For Medium Capacity Filter Box And Throwaway Filters, Add	954.87	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,211.18	
For Manual Roll Filter, Add	2,495.76	
For Automatic Roll Filter, Add	2,495.76	
For Hot Water Heating Coil, Aluminum Fins, Add	568.89	
For Electric Heating Coil, Add	654.53	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,067.56	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,067.56	
For Chilled Water Cooling Coil, Copper Fins, Add	2,495.76	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,495.76	
For 2 Coils, Independent Circuits, Add	654.53	
23 73 13 00-0052 EA 1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	7,048.69	1,048.15
For Economizer, Panel, Controls And Damper(s), Add	1,688.07	
For Flat Filter Box And Throwaway Filters, Add	630.01	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,215.10	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,537.59	
For Manual Roll Filter, Add	3,203.02	
For Automatic Roll Filter, Add	3,203.02	
For Hot Water Heating Coil, Aluminum Fins, Add	704.87	
For Electric Heating Coil, Add	815.90	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,647.88	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,647.88	
For Chilled Water Cooling Coil, Copper Fins, Add	3,203.02	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,203.02	
For 2 Coils, Independent Circuits, Add	815.90	
23 73 13 00-0053 EA 2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	7,326.61	1,122.41
For Economizer, Panel, Controls And Damper(s), Add	1,762.11	
For Flat Filter Box And Throwaway Filters, Add	652.51	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,256.93	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,591.20	
For Manual Roll Filter, Add	3,308.28	
For Automatic Roll Filter, Add	3,308.28	
For Hot Water Heating Coil, Aluminum Fins, Add	732.66	
For Electric Heating Coil, Add	847.13	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,735.92	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,735.92	
For Chilled Water Cooling Coil, Copper Fins, Add	3,308.28	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,308.28	
For 2 Coils, Independent Circuits, Add	847.13	
23 73 13 00-0054 EA 2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	8,582.95	1,203.22
For Economizer, Panel, Controls And Damper(s), Add	1,843.27	
For Flat Filter Box And Throwaway Filters, Add	772.35	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,493.13	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,887.90	
For Manual Roll Filter, Add	3,947.10	
For Automatic Roll Filter, Add	3,947.10	
For Hot Water Heating Coil, Aluminum Fins, Add	858.30	
For Electric Heating Coil, Add	995.58	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,260.70	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,260.70	
For Chilled Water Cooling Coil, Copper Fins, Add	3,947.10	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,947.10	
For 2 Coils, Independent Circuits, Add	995.58	
23 73 13 00-0055 EA 3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	9,048.92	1,288.52
For Economizer, Panel, Controls And Damper(s), Add	1,928.45	
For Flat Filter Box And Throwaway Filters, Add	812.86	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,570.50	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,986.13	
For Manual Roll Filter, Add	4,148.62	
For Automatic Roll Filter, Add	4,148.62	
For Hot Water Heating Coil, Aluminum Fins, Add	904.89	
For Electric Heating Coil, Add	1,049.06	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,427.79	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,427.79	
For Chilled Water Cooling Coil, Copper Fins, Add	4,148.62	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,148.62	
For 2 Coils, Independent Circuits, Add	1,049.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0056 EA 3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	9,539.36	1,375.81
For Economizer, Panel, Controls And Damper(s), Add	2,015.70	
For Flat Filter Box And Throwaway Filters, Add	855.67	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,652.38	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,090.05	
For Manual Roll Filter, Add	4,362.27	
For Automatic Roll Filter, Add	4,362.27	
For Hot Water Heating Coil, Aluminum Fins, Add	953.94	
For Electric Heating Coil, Add	1,105.42	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,604.86	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,604.86	
For Chilled Water Cooling Coil, Copper Fins, Add	4,362.27	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,362.27	
For 2 Coils, Independent Circuits, Add	1,105.42	
23 73 13 00-0057 EA 4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	10,646.81	1,476.33
For Economizer, Panel, Controls And Damper(s), Add	1,907.46	
For Flat Filter Box And Throwaway Filters, Add	959.46	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,855.78	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,346.03	
For Manual Roll Filter, Add	4,908.73	
For Automatic Roll Filter, Add	4,908.73	
For Hot Water Heating Coil, Aluminum Fins, Add	1,064.68	
For Electric Heating Coil, Add	1,235.53	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,054.50	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,054.50	
For Chilled Water Cooling Coil, Copper Fins, Add	4,908.73	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,908.73	
For 2 Coils, Independent Circuits, Add	1,235.53	
23 73 13 00-0058 EA 4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	11,640.26	1,581.04
For Economizer, Panel, Controls And Damper(s), Add	1,992.31	
For Flat Filter Box And Throwaway Filters, Add	1,051.09	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,034.42	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,571.25	
For Manual Roll Filter, Add	5,385.71	
For Automatic Roll Filter, Add	5,385.71	
For Hot Water Heating Coil, Aluminum Fins, Add	1,164.03	
For Electric Heating Coil, Add	1,351.66	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,447.56	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,447.56	
For Chilled Water Cooling Coil, Copper Fins, Add	5,385.71	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,385.71	
For 2 Coils, Independent Circuits, Add	1,351.66	
23 73 13 00-0059 EA 5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	12,304.79	1,688.60
For Economizer, Panel, Controls And Damper(s), Add	2,073.77	
For Flat Filter Box And Throwaway Filters, Add	1,110.14	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,148.07	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,715.17	
For Manual Roll Filter, Add	5,684.55	
For Automatic Roll Filter, Add	5,684.55	
For Hot Water Heating Coil, Aluminum Fins, Add	1,230.48	
For Electric Heating Coil, Add	1,428.44	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,694.75	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,694.75	
For Chilled Water Cooling Coil, Copper Fins, Add	5,684.55	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,684.55	
For 2 Coils, Independent Circuits, Add	1,428.44	
23 73 13 00-0060 EA 5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	13,573.73	1,804.05
For Economizer, Panel, Controls And Damper(s), Add	2,168.13	
For Flat Filter Box And Throwaway Filters, Add	1,228.45	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,379.55	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,006.67	
For Manual Roll Filter, Add	6,305.26	
For Automatic Roll Filter, Add	6,305.26	
For Hot Water Heating Coil, Aluminum Fins, Add	1,357.37	
For Electric Heating Coil, Add	1,577.28	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,205.73	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,205.73	
For Chilled Water Cooling Coil, Copper Fins, Add	6,305.26	
For Direct Expansion Cooling Coil, Copper Fins, Add	6,305.26	
For 2 Coils, Independent Circuits, Add	1,577.28	
23 73 13 00-0061 EA 6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	14,441.77	1,930.71
For Economizer, Panel, Controls And Damper(s), Add	2,266.85	
For Flat Filter Box And Throwaway Filters, Add	1,306.28	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,529.83	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,196.76	
For Manual Roll Filter, Add	6,701.91	
For Automatic Roll Filter, Add	6,701.91	
For Hot Water Heating Coil, Aluminum Fins, Add	1,444.18	
For Electric Heating Coil, Add	1,677.85	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,533.53	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,533.53	
For Chilled Water Cooling Coil, Copper Fins, Add	6,701.91	
For Direct Expansion Cooling Coil, Copper Fins, Add	6,701.91	
For 2 Coils, Independent Circuits, Add	1,677.85	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0062 EA 6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	15,838.49	2,096.57
For Economizer, Panel, Controls And Damper(s), Add	2,395.99	
For Flat Filter Box And Throwaway Filters, Add	1,434.21	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,778.65	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,510.72	
For Manual Roll Filter, Add	7,364.45	
For Automatic Roll Filter, Add	7,364.45	
For Hot Water Heating Coil, Aluminum Fins, Add	1,583.85	
For Electric Heating Coil, Add	1,840.76	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,079.88	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,079.88	
For Chilled Water Cooling Coil, Copper Fins, Add	7,364.45	
For Direct Expansion Cooling Coil, Copper Fins, Add	7,364.45	
For 2 Coils, Independent Circuits, Add	1,840.76	
23 73 13 00-0063 EA 7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,017.23	2,258.23
For Economizer, Panel, Controls And Damper(s), Add	2,523.57	
For Flat Filter Box And Throwaway Filters, Add	1,540.49	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,984.24	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,770.61	
For Manual Roll Filter, Add	7,908.37	
For Automatic Roll Filter, Add	7,908.37	
For Hot Water Heating Coil, Aluminum Fins, Add	1,701.72	
For Electric Heating Coil, Add	1,977.57	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,529.12	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,529.12	
For Chilled Water Cooling Coil, Copper Fins, Add	7,908.37	
For Direct Expansion Cooling Coil, Copper Fins, Add	7,908.37	
For 2 Coils, Independent Circuits, Add	1,977.57	
23 73 13 00-0064 EA 7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,854.57	2,441.62
For Economizer, Panel, Controls And Damper(s), Add	2,332.42	
For Flat Filter Box And Throwaway Filters, Add	1,611.40	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,118.38	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,941.49	
For Manual Roll Filter, Add	8,253.54	
For Automatic Roll Filter, Add	8,253.54	
For Hot Water Heating Coil, Aluminum Fins, Add	1,785.46	
For Electric Heating Coil, Add	2,072.93	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,816.19	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,816.19	
For Chilled Water Cooling Coil, Copper Fins, Add	8,253.54	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,253.54	
For 2 Coils, Independent Circuits, Add	2,072.93	
23 73 13 00-0065 EA 8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	19,816.42	2,633.68
For Economizer, Panel, Controls And Damper(s), Add	2,445.82	
For Flat Filter Box And Throwaway Filters, Add	1,793.41	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,473.89	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,389.42	
For Manual Roll Filter, Add	9,204.98	
For Automatic Roll Filter, Add	9,204.98	
For Hot Water Heating Coil, Aluminum Fins, Add	1,981.64	
For Electric Heating Coil, Add	2,302.68	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,599.79	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,599.79	
For Chilled Water Cooling Coil, Copper Fins, Add	9,204.98	
For Direct Expansion Cooling Coil, Copper Fins, Add	9,204.98	
For 2 Coils, Independent Circuits, Add	2,302.68	
23 73 13 00-0066 EA 8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	20,863.35	2,838.97
For Economizer, Panel, Controls And Damper(s), Add	2,563.35	
For Flat Filter Box And Throwaway Filters, Add	1,883.42	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,645.08	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,607.08	
For Manual Roll Filter, Add	9,648.57	
For Automatic Roll Filter, Add	9,648.57	
For Hot Water Heating Coil, Aluminum Fins, Add	2,086.34	
For Electric Heating Coil, Add	2,422.43	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,968.07	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,968.07	
For Chilled Water Cooling Coil, Copper Fins, Add	9,648.57	
For Direct Expansion Cooling Coil, Copper Fins, Add	9,648.57	
For 2 Coils, Independent Circuits, Add	2,422.43	
23 73 13 00-0067 EA 9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	22,022.92	3,074.95
For Economizer, Panel, Controls And Damper(s), Add	2,691.51	
For Flat Filter Box And Throwaway Filters, Add	1,983.35	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,835.34	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,848.91	
For Manual Roll Filter, Add	10,142.16	
For Automatic Roll Filter, Add	10,142.16	
For Hot Water Heating Coil, Aluminum Fins, Add	2,202.29	
For Electric Heating Coil, Add	2,555.17	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,377.74	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,377.74	
For Chilled Water Cooling Coil, Copper Fins, Add	10,142.16	
For Direct Expansion Cooling Coil, Copper Fins, Add	10,142.16	
For 2 Coils, Independent Circuits, Add	2,555.17	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0068 EA 10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	23,271.42	3,319.37
For Economizer, Panel, Controls And Damper(s), Add	2,603.52	
For Flat Filter Box And Throwaway Filters, Add	2,089.89	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,037.42	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,106.09	
For Manual Roll Filter, Add	10,664.00	
For Automatic Roll Filter, Add	10,664.00	
For Hot Water Heating Coil, Aluminum Fins, Add	2,327.14	
For Electric Heating Coil, Add	2,697.67	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,811.36	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,811.36	
For Chilled Water Cooling Coil, Copper Fins, Add	10,664.00	
For Direct Expansion Cooling Coil, Copper Fins, Add	10,664.00	
For 2 Coils, Independent Circuits, Add	2,697.67	
23 73 13 00-0069 EA 11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	23,923.75	3,446.22
For Economizer, Panel, Controls And Damper(s), Add	2,660.43	
For Flat Filter Box And Throwaway Filters, Add	2,145.64	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,143.23	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,240.72	
For Manual Roll Filter, Add	10,937.41	
For Automatic Roll Filter, Add	10,937.41	
For Hot Water Heating Coil, Aluminum Fins, Add	2,392.38	
For Electric Heating Coil, Add	2,772.15	
For Chilled Water Cooling Coil, Aluminum Fins, Add	9,038.51	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,038.51	
For Chilled Water Cooling Coil, Copper Fins, Add	10,937.41	
For Direct Expansion Cooling Coil, Copper Fins, Add	10,937.41	
For 2 Coils, Independent Circuits, Add	2,772.15	
23 73 13 00-0070 EA 12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	24,547.58	3,569.21
For Economizer, Panel, Controls And Damper(s), Add	2,708.80	
For Flat Filter Box And Throwaway Filters, Add	2,199.96	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,247.04	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,372.50	
For Manual Roll Filter, Add	11,207.97	
For Automatic Roll Filter, Add	11,207.97	
For Hot Water Heating Coil, Aluminum Fins, Add	2,454.76	
For Electric Heating Coil, Add	2,843.79	
For Chilled Water Cooling Coil, Aluminum Fins, Add	9,262.81	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,262.81	
For Chilled Water Cooling Coil, Copper Fins, Add	11,207.97	
For Direct Expansion Cooling Coil, Copper Fins, Add	11,207.97	
For 2 Coils, Independent Circuits, Add	2,843.79	
23 73 13 00-0071 EA 13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	27,781.98	3,712.66
For Economizer, Panel, Controls And Damper(s), Add	2,463.60	
For Flat Filter Box And Throwaway Filters, Add	2,512.30	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,865.06	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,147.80	
For Manual Roll Filter, Add	12,887.00	
For Automatic Roll Filter, Add	12,887.00	
For Hot Water Heating Coil, Aluminum Fins, Add	2,778.20	
For Electric Heating Coil, Add	3,227.48	
For Chilled Water Cooling Coil, Aluminum Fins, Add	10,640.60	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,640.60	
For Chilled Water Cooling Coil, Copper Fins, Add	12,887.00	
For Direct Expansion Cooling Coil, Copper Fins, Add	12,887.00	
For 2 Coils, Independent Circuits, Add	3,227.48	
23 73 13 00-0072 EA 15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	30,992.90	3,859.74
For Economizer, Panel, Controls And Damper(s), Add	2,700.39	
For Flat Filter Box And Throwaway Filters, Add	2,823.47	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,481.44	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,920.75	
For Manual Roll Filter, Add	14,563.67	
For Automatic Roll Filter, Add	14,563.67	
For Hot Water Heating Coil, Aluminum Fins, Add	3,099.29	
For Electric Heating Coil, Add	3,608.82	
For Chilled Water Cooling Coil, Aluminum Fins, Add	12,016.03	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	12,016.03	
For Chilled Water Cooling Coil, Copper Fins, Add	14,563.67	
For Direct Expansion Cooling Coil, Copper Fins, Add	14,563.67	
For 2 Coils, Independent Circuits, Add	3,608.82	
23 73 13 00-0073 EA 16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	35,681.49	4,005.31
For Economizer, Panel, Controls And Damper(s), Add	2,735.78	
For Flat Filter Box And Throwaway Filters, Add	3,282.21	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,392.86	
For Combination Filter Mixing Box And Throwaway Filters, Add	8,062.56	
For Manual Roll Filter, Add	17,051.39	
For Automatic Roll Filter, Add	17,051.39	
For Hot Water Heating Coil, Aluminum Fins, Add	3,568.15	
For Electric Heating Coil, Add	4,167.40	
For Chilled Water Cooling Coil, Aluminum Fins, Add	14,055.12	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	14,055.12	
For Chilled Water Cooling Coil, Copper Fins, Add	17,051.39	
For Direct Expansion Cooling Coil, Copper Fins, Add	17,051.39	
For 2 Coils, Independent Circuits, Add	4,167.40	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0074 EA 17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	40,372.92	4,149.45
For Economizer, Panel, Controls And Damper(s), Add	2,771.67	
For Flat Filter Box And Throwaway Filters, Add	3,741.10	
For Medium Capacity Filter Box And Throwaway Filters, Add	7,304.49	
For Combination Filter Mixing Box And Throwaway Filters, Add	9,204.66	
For Manual Roll Filter, Add	19,539.39	
For Automatic Roll Filter, Add	19,539.39	
For Hot Water Heating Coil, Aluminum Fins, Add	4,037.29	
For Electric Heating Coil, Add	4,726.27	
For Chilled Water Cooling Coil, Aluminum Fins, Add	16,094.48	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,094.48	
For Chilled Water Cooling Coil, Copper Fins, Add	19,539.39	
For Direct Expansion Cooling Coil, Copper Fins, Add	19,539.39	
For 2 Coils, Independent Circuits, Add	4,726.27	
23 73 13 00-0075 EA 20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	45,350.09	4,498.87
For Economizer, Panel, Controls And Damper(s), Add	2,859.45	
For Flat Filter Box And Throwaway Filters, Add	4,213.74	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,288.48	
For Combination Filter Mixing Box And Throwaway Filters, Add	10,373.71	
For Manual Roll Filter, Add	16,212.42	
For Automatic Roll Filter, Add	20,104.89	
For Hot Water Heating Coil, Aluminum Fins, Add	4,535.01	
For Electric Heating Coil, Add	5,313.50	
For Chilled Water Cooling Coil, Aluminum Fins, Add	16,212.42	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,212.42	
For Steam Heating Coil, Aluminum Fins, Add	8,427.48	
For Chilled Water Cooling Coil, Copper Fins, Add	20,104.89	
For Direct Expansion Cooling Coil, Copper Fins, Add	20,104.89	
For 2 Coils, Independent Circuits, Add	5,313.50	
23 73 13 00-0076 EA 22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	48,908.84	4,891.98
For Economizer, Panel, Controls And Damper(s), Add	2,807.53	
For Flat Filter Box And Throwaway Filters, Add	4,543.37	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,780.31	
For Combination Filter Mixing Box And Throwaway Filters, Add	11,184.68	
For Manual Roll Filter, Add	17,478.47	
For Automatic Roll Filter, Add	21,674.33	
For Hot Water Heating Coil, Aluminum Fins, Add	4,890.88	
For Electric Heating Coil, Add	5,730.06	
For Chilled Water Cooling Coil, Aluminum Fins, Add	17,478.47	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	17,478.47	
For Steam Heating Coil, Aluminum Fins, Add	9,086.75	
For Chilled Water Cooling Coil, Copper Fins, Add	21,674.33	
For Direct Expansion Cooling Coil, Copper Fins, Add	21,674.33	
For 2 Coils, Independent Circuits, Add	5,730.06	
23 73 13 00-0077 EA 25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	58,414.88	5,284.89
For Economizer, Panel, Controls And Damper(s), Add	2,897.22	
For Flat Filter Box And Throwaway Filters, Add	5,464.08	
For Medium Capacity Filter Box And Throwaway Filters, Add	8,158.38	
For Combination Filter Mixing Box And Throwaway Filters, Add	13,471.50	
For Manual Roll Filter, Add	21,101.52	
For Automatic Roll Filter, Add	26,188.19	
For Hot Water Heating Coil, Aluminum Fins, Add	5,841.49	
For Electric Heating Coil, Add	6,858.82	
For Chilled Water Cooling Coil, Aluminum Fins, Add	21,101.52	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	21,101.52	
For Steam Heating Coil, Aluminum Fins, Add	10,928.16	
For Chilled Water Cooling Coil, Copper Fins, Add	26,188.19	
For Direct Expansion Cooling Coil, Copper Fins, Add	26,188.19	
For 2 Coils, Independent Circuits, Add	6,858.82	
23 73 13 00-0078 EA 27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	66,065.39	5,721.86
For Economizer, Panel, Controls And Damper(s), Add	2,989.37	
For Flat Filter Box And Throwaway Filters, Add	6,198.41	
For Medium Capacity Filter Box And Throwaway Filters, Add	9,256.81	
For Combination Filter Mixing Box And Throwaway Filters, Add	15,291.97	
For Manual Roll Filter, Add	23,977.41	
For Automatic Roll Filter, Add	29,767.70	
For Hot Water Heating Coil, Aluminum Fins, Add	6,606.54	
For Electric Heating Coil, Add	7,764.60	
For Chilled Water Cooling Coil, Aluminum Fins, Add	23,977.41	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	23,977.41	
For Steam Heating Coil, Aluminum Fins, Add	12,396.83	
For Chilled Water Cooling Coil, Copper Fins, Add	29,767.70	
For Direct Expansion Cooling Coil, Copper Fins, Add	29,767.70	
For 2 Coils, Independent Circuits, Add	7,764.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0079 EA 30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	71,611.02	6,158.83
For Economizer, Panel, Controls And Damper(s), Add	3,085.33	
For Flat Filter Box And Throwaway Filters, Add	6,720.99	
For Medium Capacity Filter Box And Throwaway Filters, Add	10,037.48	
For Combination Filter Mixing Box And Throwaway Filters, Add	16,582.43	
For Manual Roll Filter, Add	26,003.75	
For Automatic Roll Filter, Add	32,284.63	
For Hot Water Heating Coil, Aluminum Fins, Add	7,161.10	
For Electric Heating Coil, Add	8,417.28	
For Chilled Water Cooling Coil, Aluminum Fins, Add	26,003.75	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	26,003.75	
For Steam Heating Coil, Aluminum Fins, Add	13,441.99	
For Chilled Water Cooling Coil, Copper Fins, Add	32,284.63	
For Direct Expansion Cooling Coil, Copper Fins, Add	32,284.63	
For 2 Coils, Independent Circuits, Add	8,417.28	
23 73 13 00-0080 EA 32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	80,001.17	7,206.74
For Economizer, Panel, Controls And Damper(s), Add	3,115.66	
For Flat Filter Box And Throwaway Filters, Add	7,485.85	
For Medium Capacity Filter Box And Throwaway Filters, Add	11,177.35	
For Combination Filter Mixing Box And Throwaway Filters, Add	18,457.50	
For Manual Roll Filter, Add	28,914.88	
For Automatic Roll Filter, Add	35,886.46	
For Hot Water Heating Coil, Aluminum Fins, Add	8,000.12	
For Electric Heating Coil, Add	9,394.43	
For Chilled Water Cooling Coil, Aluminum Fins, Add	28,914.88	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	28,914.88	
For Steam Heating Coil, Aluminum Fins, Add	14,971.70	
For Chilled Water Cooling Coil, Copper Fins, Add	35,886.46	
For Direct Expansion Cooling Coil, Copper Fins, Add	35,886.46	
For 2 Coils, Independent Circuits, Add	9,394.43	
23 73 13 00-0081 EA 35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	80,385.86	7,469.00
For Economizer, Panel, Controls And Damper(s), Add	3,163.75	
For Flat Filter Box And Throwaway Filters, Add	7,505.09	
For Medium Capacity Filter Box And Throwaway Filters, Add	11,204.28	
For Combination Filter Mixing Box And Throwaway Filters, Add	18,495.97	
For Manual Roll Filter, Add	28,953.34	
For Automatic Roll Filter, Add	35,924.93	
For Hot Water Heating Coil, Aluminum Fins, Add	8,038.59	
For Electric Heating Coil, Add	9,432.90	
For Chilled Water Cooling Coil, Aluminum Fins, Add	28,953.34	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	28,953.34	
For Steam Heating Coil, Aluminum Fins, Add	15,010.17	
For Chilled Water Cooling Coil, Copper Fins, Add	35,924.93	
For Direct Expansion Cooling Coil, Copper Fins, Add	35,924.93	
For 2 Coils, Independent Circuits, Add	9,432.90	
23 73 13 00-0082 EA 37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	84,084.20	7,730.82
For Economizer, Panel, Controls And Damper(s), Add	3,211.84	
For Flat Filter Box And Throwaway Filters, Add	7,855.69	
For Medium Capacity Filter Box And Throwaway Filters, Add	11,728.26	
For Combination Filter Mixing Box And Throwaway Filters, Add	19,362.85	
For Manual Roll Filter, Add	30,317.28	
For Automatic Roll Filter, Add	37,620.23	
For Hot Water Heating Coil, Aluminum Fins, Add	8,408.42	
For Electric Heating Coil, Add	9,869.01	
For Chilled Water Cooling Coil, Aluminum Fins, Add	30,317.28	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	30,317.28	
For Steam Heating Coil, Aluminum Fins, Add	15,711.37	
For Chilled Water Cooling Coil, Copper Fins, Add	37,620.23	
For Direct Expansion Cooling Coil, Copper Fins, Add	37,620.23	
For 2 Coils, Independent Circuits, Add	9,869.01	
23 73 13 00-0083 EA 40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	87,954.11	8,298.89
For Economizer, Panel, Controls And Damper(s), Add	3,310.95	
For Flat Filter Box And Throwaway Filters, Add	8,203.03	
For Medium Capacity Filter Box And Throwaway Filters, Add	12,245.31	
For Combination Filter Mixing Box And Throwaway Filters, Add	20,211.38	
For Manual Roll Filter, Add	31,627.36	
For Automatic Roll Filter, Add	39,238.00	
For Hot Water Heating Coil, Aluminum Fins, Add	8,795.41	
For Electric Heating Coil, Add	10,317.54	
For Chilled Water Cooling Coil, Aluminum Fins, Add	31,627.36	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	31,627.36	
For Steam Heating Coil, Aluminum Fins, Add	16,406.06	
For Chilled Water Cooling Coil, Copper Fins, Add	39,238.00	
For Direct Expansion Cooling Coil, Copper Fins, Add	39,238.00	
For 2 Coils, Independent Circuits, Add	10,317.54	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0084 EA 45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	94,813.83	8,735.67
For Economizer, Panel, Controls And Damper(s), Add	3,383.04	
For Flat Filter Box And Throwaway Filters, Add	8,860.17	
For Medium Capacity Filter Box And Throwaway Filters, Add	13,228.13	
For Combination Filter Mixing Box And Throwaway Filters, Add	21,839.81	
For Manual Roll Filter, Add	34,198.24	
For Automatic Roll Filter, Add	42,437.19	
For Hot Water Heating Coil, Aluminum Fins, Add	9,481.38	
For Electric Heating Coil, Add	11,129.17	
For Chilled Water Cooling Coil, Aluminum Fins, Add	34,198.24	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	34,198.24	
For Steam Heating Coil, Aluminum Fins, Add	17,720.34	
For Chilled Water Cooling Coil, Copper Fins, Add	42,437.19	
For Direct Expansion Cooling Coil, Copper Fins, Add	42,437.19	
For 2 Coils, Independent Circuits, Add	11,129.17	
23 73 13 00-0085 EA 50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	101,941.24	9,216.14
For Economizer, Panel, Controls And Damper(s), Add	3,218.26	
For Flat Filter Box And Throwaway Filters, Add	9,534.99	
For Medium Capacity Filter Box And Throwaway Filters, Add	14,236.58	
For Combination Filter Mixing Box And Throwaway Filters, Add	23,507.92	
For Manual Roll Filter, Add	36,821.71	
For Automatic Roll Filter, Add	45,697.57	
For Hot Water Heating Coil, Aluminum Fins, Add	10,194.12	
For Electric Heating Coil, Add	11,969.30	
For Chilled Water Cooling Coil, Aluminum Fins, Add	36,821.71	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	36,821.71	
For Steam Heating Coil, Aluminum Fins, Add	19,069.99	
For Chilled Water Cooling Coil, Copper Fins, Add	45,697.57	
For Direct Expansion Cooling Coil, Copper Fins, Add	45,697.57	
For 2 Coils, Independent Circuits, Add	11,969.30	
23 73 13 00-0086 EA 55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	109,828.96	9,783.95
For Economizer, Panel, Controls And Damper(s), Add	3,296.97	
For Flat Filter Box And Throwaway Filters, Add	10,284.41	
For Medium Capacity Filter Box And Throwaway Filters, Add	15,356.77	
For Combination Filter Mixing Box And Throwaway Filters, Add	25,361.79	
For Manual Roll Filter, Add	39,740.69	
For Automatic Roll Filter, Add	49,326.62	
For Hot Water Heating Coil, Aluminum Fins, Add	10,982.90	
For Electric Heating Coil, Add	12,900.08	
For Chilled Water Cooling Coil, Aluminum Fins, Add	39,740.69	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	39,740.69	
For Steam Heating Coil, Aluminum Fins, Add	20,568.83	
For Chilled Water Cooling Coil, Copper Fins, Add	49,326.62	
For Direct Expansion Cooling Coil, Copper Fins, Add	49,326.62	
For 2 Coils, Independent Circuits, Add	12,900.08	
23 73 13 00-0087 EA 60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	117,866.97	10,046.02
For Economizer, Panel, Controls And Damper(s), Add	3,332.60	
For Flat Filter Box And Throwaway Filters, Add	11,070.40	
For Medium Capacity Filter Box And Throwaway Filters, Add	16,533.97	
For Combination Filter Mixing Box And Throwaway Filters, Add	27,317.84	
For Manual Roll Filter, Add	42,848.99	
For Automatic Roll Filter, Add	53,203.09	
For Hot Water Heating Coil, Aluminum Fins, Add	11,786.70	
For Electric Heating Coil, Add	13,857.52	
For Chilled Water Cooling Coil, Aluminum Fins, Add	42,848.99	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	42,848.99	
For Steam Heating Coil, Aluminum Fins, Add	22,140.79	
For Chilled Water Cooling Coil, Copper Fins, Add	53,203.09	
For Direct Expansion Cooling Coil, Copper Fins, Add	53,203.09	
For 2 Coils, Independent Circuits, Add	13,857.52	
23 73 13 00-0088 Return/Supply Air Fan ^(23 73 13)		
Note: Includes vibration mounts.		
23 73 13 00-0089 EA 300 CFM Return Air Fan.....	1,972.52	349.37
23 73 13 00-0090 EA 500 CFM Return Air Fan.....	2,562.06	419.25
23 73 13 00-0091 EA 750 CFM Return Air Fan.....	2,676.33	436.72
23 73 13 00-0092 EA 1,000 CFM Return Air Fan.....	3,059.33	462.93
23 73 13 00-0093 EA 1,250 CFM Return Air Fan.....	3,151.48	484.77
23 73 13 00-0094 EA 1,500 CFM Return Air Fan.....	3,223.25	506.60
23 73 13 00-0095 EA 1,750 CFM Return Air Fan.....	3,382.70	532.81
23 73 13 00-0096 EA 2,000 CFM Return Air Fan.....	3,765.68	559.02
23 73 13 00-0097 EA 2,250 CFM Return Air Fan.....	3,945.39	585.22
23 73 13 00-0098 EA 2,500 CFM Return Air Fan.....	4,043.82	611.43
23 73 13 00-0099 EA 3,000 CFM Return Air Fan.....	4,279.49	676.95
23 73 13 00-0100 EA 3,500 CFM Return Air Fan.....	4,390.51	711.89
23 73 13 00-0101 EA 4,000 CFM Return Air Fan.....	4,495.13	742.47
23 73 13 00-0102 EA 4,500 CFM Return Air Fan.....	4,626.45	777.47
23 73 13 00-0103 EA 5,000 CFM Return Air Fan.....	4,743.50	816.78
23 73 13 00-0104 EA 5,500 CFM Return Air Fan.....	4,961.95	912.88
23 73 13 00-0105 EA 6,000 CFM Return Air Fan.....	5,632.06	1,083.23
23 73 13 00-0106 EA 6,500 CFM Return Air Fan.....	5,779.34	1,100.69
23 73 13 00-0107 EA 7,000 CFM Return Air Fan.....	5,846.28	1,105.06
23 73 13 00-0108 EA 8,000 CFM Return Air Fan.....	6,156.14	1,122.54
23 73 13 00-0109 EA 9,000 CFM Return Air Fan.....	6,294.74	1,135.63
23 73 13 00-0110 EA 10,000 CFM Return Air Fan.....	6,623.50	1,179.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0111 EA 12,500 CFM Return Air Fan.....	7,060.04	1,201.09
23 73 13 00-0112 EA 15,000 CFM Return Air Fan.....	7,983.62	1,235.23
23 73 13 00-0113 EA 17,500 CFM Return Air Fan.....	8,708.30	1,301.55
23 73 13 00-0114 EA 20,000 CFM Return Air Fan.....	10,374.38	1,358.21
23 73 13 00-0115 EA 22,500 CFM Return Air Fan.....	10,873.14	1,405.57
23 73 13 00-0116 EA 25,000 CFM Return Air Fan.....	11,370.13	1,445.75
23 73 13 00-0117 EA 27,500 CFM Return Air Fan.....	12,045.87	1,589.89
23 73 13 00-0118 EA 30,000 CFM Return Air Fan.....	12,881.37	1,677.12
23 73 13 00-0119 EA 35,000 CFM Return Air Fan.....	14,546.76	1,746.95
23 73 13 00-0120 EA 40,000 CFM Return Air Fan.....	17,153.95	1,921.66
23 73 13 00-0121 EA 45,000 CFM Return Air Fan.....	21,125.03	2,183.73
23 73 13 00-0122 EA 50,000 CFM Return Air Fan.....	25,749.64	2,262.54
23 73 13 00-0123 EA 55,000 CFM Return Air Fan.....	26,957.74	2,327.87
23 73 13 00-0124 EA 60,000 CFM Return Air Fan.....	27,577.04	2,389.02
23 73 13 00-0125 EA 65,000 CFM Return Air Fan.....	28,922.15	2,493.78
23 73 13 00-0126 EA 70,000 CFM Return Air Fan.....	30,378.32	2,616.58
23 73 13 00-0127 EA 75,000 CFM Return Air Fan.....	32,679.78	2,744.93
23 73 13 00-0128 EA 80,000 CFM Return Air Fan.....	34,127.33	2,890.44
23 73 13 00-0129 EA 90,000 CFM Return Air Fan.....	35,232.34	3,055.05
23 73 13 00-0130 EA 100,000 CFM Return Air Fan.....	37,890.72	3,194.88
23 73 13 00-0131 EA 115,000 CFM Return Air Fan.....	40,771.41	3,347.69
23 73 13 00-0132 EA 130,000 CFM Return Air Fan.....	43,897.62	3,516.36
23 73 13 00-0133 EA 150,000 CFM Return Air Fan.....	48,045.09	3,703.67

23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit (23 73 13)
 Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.

23 73 13 00-0135 EA Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit.....	1,599.94
23 73 13 00-0136 EA Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit.....	2,170.35
23 73 13 00-0137 EA Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit.....	2,699.89
23 73 13 00-0138 EA Removal And Reinstallation Of >22,000 CFM Air Handling Unit.....	4,926.13

23 74 Packaged Outdoor HVAC Equipment (23 70)

23 74 16 Packaged Rooftop Air-Conditioning Units (23 74)

23 74 16 00-0001 Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units (23 74 16)

Note: Units up to 5 tons have 13 SEER. Units >5 to 11 tons have 11.2 EER, >11 to 20 tons have 11 EER, >20 to 63 tons have 10 EER and >63 tons have 9.7 EER. Excludes crane and associated personnel.

23 74 16 00-0002 EA 2 Ton Electric Cooling, 60 MBH Gas Heating, Self Contained Package Rooftop Unit.....	3,382.67	118.59
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-156.94	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-62.78	
<i>For Unit Economizer, Add</i>	401.04	
<i>For Unit Placed On Concrete Slab Or Ground Instead Of Roof, Deduct</i>	-36.57	
<i>For Equipment Base Roof Curb, Add</i>	259.79	
23 74 16 00-0003 EA 3 Ton Electric Cooling, 60 MBH Gas Heating, Self Contained Package Rooftop Unit.....	3,285.72	138.36
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-150.45	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-60.18	
<i>For Unit Economizer, Add</i>	388.75	
<i>For Unit Placed On Concrete Slab Or Ground Instead Of Roof, Deduct</i>	-41.51	
<i>For Equipment Base Roof Curb, Add</i>	253.35	
23 74 16 00-0004 EA 4 Ton Electric Cooling, 80 MBH Gas Heating, Self Contained Package Rooftop Unit.....	3,849.30	144.94
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-178.30	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-71.32	
<i>For Unit Economizer, Add</i>	456.25	
<i>For Unit Placed On Concrete Slab Or Ground Instead Of Roof, Deduct</i>	-42.50	
<i>For Equipment Base Roof Curb, Add</i>	295.78	
23 74 16 00-0005 EA 5 Ton Electric Cooling, 100 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,337.78	177.89
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-199.10	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-79.64	
<i>For Unit Economizer, Add</i>	513.42	
<i>For Unit Placed On Concrete Slab Or Ground Instead Of Roof, Deduct</i>	-53.37	
<i>For Equipment Base Roof Curb, Add</i>	334.23	
23 74 16 00-0006 EA 6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit.....	5,008.14	191.07
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-231.30	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-92.52	
<i>For Unit Economizer, Add</i>	593.33	
<i>For Unit Placed On Concrete Slab Or Ground Instead Of Roof, Deduct</i>	-57.32	
<i>For Equipment Base Roof Curb, Add</i>	385.16	
23 74 16 00-0007 EA 7.5 Ton Electric Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit.....	6,394.49	204.24
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-299.30	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-119.72	
<i>For Unit Economizer, Add</i>	759.17	
<i>For Unit Placed On Concrete Slab Or Ground Instead Of Roof, Deduct</i>	-61.27	
<i>For Equipment Base Roof Curb, Add</i>	489.80	
23 74 16 00-0008 EA 8.5 Ton Electric Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit.....	7,125.66	210.84
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-335.20	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-134.08	
<i>For Unit Economizer, Add</i>	846.65	
<i>For Unit Placed On Concrete Slab Or Ground Instead Of Roof, Deduct</i>	-63.25	
<i>For Equipment Base Roof Curb, Add</i>	544.97	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 00-0009 EA 10 Ton Electric Cooling, 200 MBH Gas Heating, Self Contained Package Rooftop Unit.....	7,556.51	217.42
For Hot Water Heating Coil Instead Of Gas, Deduct	-356.41	
For Steam Heating Coil Instead Of Gas, Deduct	-142.57	
For Unit Economizer, Add	898.22	
For Unit Placed On Concrete Slab Or Ground Instead Of Roof, Deduct	-64.24	
For Equipment Base Roof Curb, Add	577.44	
23 74 16 00-0010 EA 12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit.....	10,071.98	270.13
For Hot Water Heating Coil Instead Of Gas, Deduct	-476.59	
For Steam Heating Coil Instead Of Gas, Deduct	-190.63	
For Unit Economizer, Add	1,197.83	
For Unit Placed On Concrete Slab Or Ground Instead Of Roof, Deduct	-81.04	
For Equipment Base Roof Curb, Add	768.91	
23 74 16 00-0011 EA 15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit.....	12,519.24	322.84
For Hot Water Heating Coil Instead Of Gas, Deduct	-593.68	
For Steam Heating Coil Instead Of Gas, Deduct	-237.47	
For Unit Economizer, Add	1,489.40	
For Unit Placed On Concrete Slab Or Ground Instead Of Roof, Deduct	-96.85	
For Equipment Base Roof Curb, Add	955.09	
23 74 16 00-0012 EA 18 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit.....	14,918.82	375.55
For Hot Water Heating Coil Instead Of Gas, Deduct	-708.72	
For Steam Heating Coil Instead Of Gas, Deduct	-283.49	
For Unit Economizer, Add	1,775.37	
For Unit Placed On Concrete Slab Or Ground Instead Of Roof, Deduct	-111.68	
For Equipment Base Roof Curb, Add	1,137.52	
23 74 16 00-0013 EA 20 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit.....	17,333.22	421.66
For Hot Water Heating Coil Instead Of Gas, Deduct	-824.17	
For Steam Heating Coil Instead Of Gas, Deduct	-329.67	
For Unit Economizer, Add	2,062.99	
For Unit Placed On Concrete Slab Or Ground Instead Of Roof, Deduct	-127.49	
For Equipment Base Roof Curb, Add	1,321.24	
23 74 16 00-0014 EA 25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit.....	17,773.35	540.26
For Hot Water Heating Coil Instead Of Gas, Deduct	-834.64	
For Steam Heating Coil Instead Of Gas, Deduct	-333.86	
For Unit Economizer, Add	2,111.19	
For Unit Placed On Concrete Slab Or Ground Instead Of Roof, Deduct	-162.08	
For Equipment Base Roof Curb, Add	1,360.01	
23 74 16 00-0015 EA 30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit.....	18,499.45	658.85
For Hot Water Heating Coil Instead Of Gas, Deduct	-859.09	
For Steam Heating Coil Instead Of Gas, Deduct	-343.64	
For Unit Economizer, Add	2,193.58	
For Unit Placed On Concrete Slab Or Ground Instead Of Roof, Deduct	-197.66	
For Equipment Base Roof Curb, Add	1,420.40	
23 74 16 00-0016 EA 40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit.....	25,391.62	790.62
For Hot Water Heating Coil Instead Of Gas, Deduct	-1,190.85	
For Steam Heating Coil Instead Of Gas, Deduct	-476.34	
For Unit Economizer, Add	3,015.50	
For Unit Placed On Concrete Slab Or Ground Instead Of Roof, Deduct	-236.20	
For Equipment Base Roof Curb, Add	1,943.74	
23 74 16 00-0017 EA 50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit.....	31,241.41	988.28
For Hot Water Heating Coil Instead Of Gas, Deduct	-1,463.24	
For Steam Heating Coil Instead Of Gas, Deduct	-585.30	
For Unit Economizer, Add	3,709.44	
For Unit Placed On Concrete Slab Or Ground Instead Of Roof, Deduct	-296.48	
For Equipment Base Roof Curb, Add	2,392.52	
23 74 16 00-0018 EA 60 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit.....	36,371.66	1,073.93
For Hot Water Heating Coil Instead Of Gas, Deduct	-1,711.19	
For Steam Heating Coil Instead Of Gas, Deduct	-684.48	
For Unit Economizer, Add	4,321.64	
For Unit Placed On Concrete Slab Or Ground Instead Of Roof, Deduct	-322.18	
For Equipment Base Roof Curb, Add	2,781.57	
23 74 16 00-0019 EA 80 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit.....	52,041.46	1,291.35
For Hot Water Heating Coil Instead Of Gas, Deduct	-2,473.27	
For Steam Heating Coil Instead Of Gas, Deduct	-989.31	
For Unit Economizer, Add	6,193.45	
For Unit Placed On Concrete Slab Or Ground Instead Of Roof, Deduct	-386.42	
For Equipment Base Roof Curb, Add	3,967.51	
23 74 16 00-0020 EA 90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit.....	61,086.13	1,350.65
For Hot Water Heating Coil Instead Of Gas, Deduct	-2,919.57	
For Steam Heating Coil Instead Of Gas, Deduct	-1,167.83	
For Unit Economizer, Add	7,276.44	
For Unit Placed On Concrete Slab Or Ground Instead Of Roof, Deduct	-404.21	
For Equipment Base Roof Curb, Add	4,648.83	
23 74 16 00-0021 EA 100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit.....	65,744.93	1,482.42
For Hot Water Heating Coil Instead Of Gas, Deduct	-3,139.00	
For Steam Heating Coil Instead Of Gas, Deduct	-1,255.60	
For Unit Economizer, Add	7,830.09	
For Unit Placed On Concrete Slab Or Ground Instead Of Roof, Deduct	-444.73	
For Equipment Base Roof Curb, Add	5,004.99	

23 74 16 00-0022 Aeon Rooftop Units (23 74 16)

Note: The minimum EER for units 5 to 10 tons is 11.2, >10 to 20 tons is 11.0, and >20 is 10.0. See CSI section 26 28 16 00-0001 for disconnects.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 74 16 00-0023			AAON RQ Rooftop Units <small>(23 74 16 00-0022)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied thermostat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 00-0024	EA		2 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-002)	5,378.49	131.77
			<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	646.84	
			<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	701.78	
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	552.51	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	632.33	
			<i>For Factory Installed Exhaust Fan, Add</i>	3,223.83	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	752.57	
23 74 16 00-0025	EA		3 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-003)	5,795.94	138.36
			<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	693.49	
			<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	752.57	
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	591.90	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	677.94	
			<i>For Factory Installed Exhaust Fan, Add</i>	3,223.83	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	752.57	
23 74 16 00-0026	EA		4 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-004)	5,901.39	144.94
			<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	693.49	
			<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	752.57	
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	591.90	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	677.94	
			<i>For Factory Installed Exhaust Fan, Add</i>	3,223.83	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	752.57	
23 74 16 00-0027	EA		5 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-005)	5,996.45	158.13
			<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	693.49	
			<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	752.57	
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	591.90	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	677.94	
			<i>For Factory Installed Exhaust Fan, Add</i>	3,223.83	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	752.57	
23 74 16 00-0028	EA		6 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-006)	6,564.21	164.71
			<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	693.49	
			<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	752.57	
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	591.90	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	677.94	
			<i>For Factory Installed Exhaust Fan, Add</i>	3,223.83	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	752.57	

23 74 16 00-0029			AAON RNA Rooftop Units <small>(23 74 16 00-0022)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided thermostat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 00-0030	EA		6 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-006)	8,195.51	171.30
			<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	674.83	
			<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,036.60	
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	691.41	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	638.55	
			<i>For Factory Installed Exhaust Fan, Add</i>	1,721.79	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	586.72	
23 74 16 00-0031	EA		7 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-007)	8,780.60	184.48
			<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	674.83	
			<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,036.60	
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	691.41	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	638.55	
			<i>For Factory Installed Exhaust Fan, Add</i>	1,721.79	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	586.72	
23 74 16 00-0032	EA		8 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-008)	10,162.82	197.65
			<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	674.83	
			<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,036.60	
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	691.41	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	638.55	
			<i>For Factory Installed Exhaust Fan, Add</i>	1,721.79	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	586.72	
23 74 16 00-0033	EA		10 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-010)	10,257.30	217.42
			<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	674.83	
			<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,036.60	
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	691.41	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	638.55	
			<i>For Factory Installed Exhaust Fan, Add</i>	1,721.79	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	586.72	

23 74 16 00-0034			AAON RNB Rooftop Units <small>(23 74 16 00-0022)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
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23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 00-0035 EA 9 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-009)	12,408.25	217.42
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	994.10	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	777.45	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	616.78	
<i>For Factory Installed Exhaust Fan, Add</i>	1,641.97	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	589.83	
23 74 16 00-0036 EA 11 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-011)	12,619.92	243.78
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	994.10	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	777.45	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	616.78	
<i>For Factory Installed Exhaust Fan, Add</i>	1,641.97	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	589.83	
23 74 16 00-0037 EA 13 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-013)	13,727.89	270.13
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	994.10	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	777.45	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	616.78	
<i>For Factory Installed Exhaust Fan, Add</i>	1,641.97	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	589.83	
23 74 16 00-0038 EA 15 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-015)	14,021.09	296.49
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	994.10	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	777.45	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	616.78	
<i>For Factory Installed Exhaust Fan, Add</i>	1,641.97	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	589.83	
23 74 16 00-0039 A AON RNC Rooftop Units <small>(23 74 16 00-0022)</small>		
Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 00-0040 EA 16 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-016)	18,522.88	322.84
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,467.83	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,036.60	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	616.78	
<i>For Factory Installed Exhaust Fan, Add</i>	3,011.32	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	268.48	
23 74 16 00-0041 EA 18 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-018)	20,028.90	349.19
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,467.83	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,036.60	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	616.78	
<i>For Factory Installed Exhaust Fan, Add</i>	3,011.32	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	268.48	
23 74 16 00-0042 EA 20 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-020)	21,225.35	375.55
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,467.83	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,036.60	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	616.78	
<i>For Factory Installed Exhaust Fan, Add</i>	3,011.32	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	268.48	
23 74 16 00-0043 EA 25 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-025)	22,716.69	428.26
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,467.83	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,036.60	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	616.78	
<i>For Factory Installed Exhaust Fan, Add</i>	3,011.32	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	268.48	
23 74 16 00-0044 EA 30 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-030)	25,646.85	487.55
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,467.83	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,036.60	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	616.78	
<i>For Factory Installed Exhaust Fan, Add</i>	3,011.32	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	268.48	
23 74 16 00-0045 A AON RND Rooftop Units <small>(23 74 16 00-0022)</small>		
Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect, freight and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 00-0046 EA 26 Ton, Air Cooled Packaged Rooftop Units (AAON RND-026)	35,712.28	540.26
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,295.75	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,403.56	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,969.54	
23 74 16 00-0047 EA 31 Ton, Air Cooled Packaged Rooftop Units (AAON RND-031)	40,556.00	592.97
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,295.75	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,403.56	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,969.54	
23 74 16 00-0048 EA 40 Ton, Air Cooled Packaged Rooftop Units (AAON RND-040)	47,219.16	672.02
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,295.75	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,403.56	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,969.54	
23 74 16 00-0049 EA 50 Ton, Air Cooled Packaged Rooftop Units (AAON RND-050)	54,954.83	757.68
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,295.75	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,403.56	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,969.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 00-0050 EA 60 Ton, Air Cooled Packaged Rooftop Units (AAON RND-060).....	59,820.53	836.74
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,295.75	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,403.56	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,969.54	
23 74 16 00-0051 EA 70 Ton, Air Cooled Packaged Rooftop Units (AAON RND-070).....	62,826.19	915.80
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,295.75	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,403.56	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,969.54	
23 74 16 00-0052 AAON RNE Rooftop Units <small>(23 74 16 00-0022)</small>		
Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non fused disconnect, freight and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 00-0053 EA 55 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-055).....	58,914.83	1,021.22
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,463.68	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	2,102.22	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	2,798.82	
23 74 16 00-0054 EA 65 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-065).....	64,693.62	1,133.22
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,463.68	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	2,102.22	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	2,798.82	
23 74 16 00-0055 EA 75 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-075).....	68,749.19	1,238.64
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,463.68	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	2,102.22	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	2,798.82	
23 74 16 00-0056 EA 95 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-090).....	81,855.70	1,350.65
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,463.68	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	2,102.22	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	2,798.82	
23 74 16 00-0057 EA 105 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-105).....	88,135.01	1,482.42
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,463.68	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	2,102.22	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	2,798.82	
23 74 16 00-0058 EA 120 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-120).....	103,284.49	1,614.19
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,463.68	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	2,102.22	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	2,798.82	
23 74 16 00-0059 EA 130 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-130).....	105,552.15	1,752.55
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,463.68	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	2,102.22	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	2,798.82	
23 74 16 00-0060 EA 140 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-140).....	109,801.79	1,884.32
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,463.68	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	2,102.22	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	2,798.82	
23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units <small>(23 74)</small>		
23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units <small>(23 74 23)</small>		
23 74 23 13-0001 Make-Up Air Units <small>(23 74 23 13)</small>		
Note: Including throwaway filters. Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant, and include start-up. Excludes crane and associated personnel.		
23 74 23 13-0002 Gas-Fired Electric Spark Make-Up Air Units <small>(23 74 23 13-0001)</small>		
Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel.		
23 74 23 13-0003 EA 100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	4,035.47	296.49
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,062.40	
<i>For Equipment Base Roof Curb, Add</i>	317.48	
23 74 23 13-0004 EA 300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	5,207.74	336.01
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,392.67	
<i>For Equipment Base Roof Curb, Add</i>	407.55	
23 74 23 13-0005 EA 500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	7,232.07	395.31
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,971.97	
<i>For Equipment Base Roof Curb, Add</i>	562.17	
23 74 23 13-0006 EA 670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	7,296.65	421.66
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,976.52	
<i>For Equipment Base Roof Curb, Add</i>	568.50	
23 74 23 13-0007 EA 800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	9,951.73	474.37
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,748.33	
<i>For Equipment Base Roof Curb, Add</i>	770.10	
23 74 23 13-0008 EA 1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	15,066.00	592.97
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	4,223.32	
<i>For Equipment Base Roof Curb, Add</i>	1,159.60	
23 74 23 13-0009 Electric Make-Up Air Units <small>(23 74 23 13-0001)</small>		
Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel.		
23 74 23 13-0010 EA 33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric.....	8,274.36	296.49
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,334.07	
<i>For Equipment Base Roof Curb, Add</i>	635.40	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 23 13-0011 EA 100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Equipment Base Roof Curb, Add</i>	11,823.24 3,377.32 903.71	336.01
23 74 23 13-0012 EA 150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Equipment Base Roof Curb, Add</i>	14,646.08 4,196.17 1,118.22	395.31
23 74 23 13-0013 EA 250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Equipment Base Roof Curb, Add</i>	18,943.82 5,445.96 1,444.51	474.37
23 74 23 13-0014 EA 400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Equipment Base Roof Curb, Add</i>	30,613.49 8,887.56 2,325.66	592.97

23 76 Evaporative Air-Cooling Equipment (23 70)**23 76 13 Direct Evaporative Air Coolers (23 76)****23 76 13 00-0001 Residential Side Or Down Draft Evaporative Cooling Unit (23 76 13)**

Note: Includes motor, belt and pads.

23 76 13 00-0002 EA 3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	905.75	193.54
23 76 13 00-0003 EA 4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,071.13	225.80
23 76 13 00-0004 EA 4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,401.62	258.06
23 76 13 00-0005 EA 5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,521.55	290.31
23 76 13 00-0006 EA 6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,752.30	322.57
23 76 13 00-0007 EA 7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,883.31	354.82

23 76 13 00-0008 Industrial Side Draft/Side Discharge Evaporative Coolers (23 76 13)

Note: Excludes motor starter, piping, power wiring and equipment rigging.

23 76 13 00-0009 EA 7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit	1,819.75	196.17
23 76 13 00-0010 EA 8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit	1,877.93	202.51
23 76 13 00-0011 EA 9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	2,223.84	281.25
23 76 13 00-0012 EA 11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	4,843.28	331.99
23 76 13 00-0013 EA 13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	5,202.36	486.04
23 76 13 00-0014 EA 16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	5,972.02	518.44
23 76 13 00-0015 EA 15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	5,452.18	583.25
23 76 13 00-0016 EA 19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	6,455.32	729.05
23 76 13 00-0017 EA 17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	6,411.16	953.02
23 76 13 00-0018 EA 22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	7,164.12	972.07
23 76 13 00-0019 EA 24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit	7,527.54	1,080.10
23 76 13 00-0020 EA 30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	10,024.89	1,687.64
23 76 13 00-0021 EA 35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	11,279.91	1,761.00
23 76 13 00-0022 EA 40,000 CFM, 30 HP Industrial Side Or Down Draft Evaporative Cooling Unit	12,548.28	1,841.04

23 80 Decentralized Unitary HVAC Equipment (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0110 for terminations, 26 28 16 00-0001 for disconnect.

23 81 Decentralized Unitary HVAC Equipment (23 80)**23 81 13 Packaged Terminal Air-Conditioners (23 81)**

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 13 00-0001 Removal And Reinstallation Of Thru-Wall A/C Unit (23 81 13)

Note: Includes storage and cleaning.

23 81 13 00-0002 EA Removal And Reinstallation Of Thru Wall Air Conditioning Unit	129.02	
23 81 13 00-0003 EA Removal And Reinstallation Of Window Air Conditioning Unit In Lower Sash	80.65	
23 81 13 00-0004 EA Removal And Reinstallation Of Window Air Conditioning Unit In Upper Sash	177.12	

23 81 13 00-0005 Thru Wall A/C Unit Sleeve (23 81 13)

Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.

23 81 13 00-0006 EA Up To 10,000 BTU Unit, Thru Wall A/C Sleeve	60.61	
23 81 13 00-0007 EA >10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve	68.57	
23 81 13 00-0008 EA >20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	76.50	

23 81 13 00-0009 Single Package Vertical Wall Cooling Unit (23 81 13)

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 V, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel.

23 81 13 00-0010 EA 1/2 Ton Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	2,551.22	147.08
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 13 00-0011 EA 1 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	4,388.27	154.08
23 81 13 00-0012 EA 1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	5,740.37	161.09
23 81 13 00-0013 EA 2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	6,601.96	175.09
23 81 13 00-0014 EA 2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	8,281.25	203.11
23 81 13 00-0015 EA 3 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	8,883.83	252.14
23 81 13 00-0016 EA 3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	9,835.28	280.15
23 81 13 00-0017 EA 4 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	10,830.59	315.18
23 81 13 00-0018 EA 5 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	12,185.08	378.21
23 81 13 00-0019 EA 7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	15,752.32	469.26
23 81 13 00-0020 EA 10 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	18,787.56	630.35
23 81 13 00-0021 EA 15 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	26,346.51	770.43
23 81 13 00-0022 EA 20 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	30,351.83	917.51
23 81 13 00-0023 EA 25 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	36,279.31	1,029.57
23 81 13 00-0024 Packaged Terminal Air-Conditioners (23 81 13)		
23 81 13 00-0025 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 00-0024)		
23 81 13 00-0026 EA 7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,045.95	120.96
For >35 To 70, Deduct	-24.12	
For >70 To 100, Deduct	-40.20	
For >100, Deduct	-56.28	
23 81 13 00-0027 EA 9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,117.21	149.91
For >35 To 70, Deduct	-24.53	
For >70 To 100, Deduct	-40.89	
For >100, Deduct	-57.24	
23 81 13 00-0028 EA 11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,182.95	159.77
For >35 To 70, Deduct	-25.89	
For >70 To 100, Deduct	-43.15	
For >100, Deduct	-60.41	
23 81 13 00-0029 EA 14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,278.01	171.73
For >35 To 70, Deduct	-28.04	
For >70 To 100, Deduct	-46.73	
For >100, Deduct	-65.43	
23 81 13 00-0030 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 00-0024)		
23 81 13 00-0031 EA 7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,125.37	133.02
For >35 To 70, Deduct	-25.79	
For >70 To 100, Deduct	-42.99	
For >100, Deduct	-60.18	
23 81 13 00-0032 EA 9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,189.92	149.91
For >35 To 70, Deduct	-26.71	
For >70 To 100, Deduct	-44.52	
For >100, Deduct	-62.33	
23 81 13 00-0033 EA 11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,235.63	159.77
For >35 To 70, Deduct	-27.47	
For >70 To 100, Deduct	-45.79	
For >100, Deduct	-64.10	
23 81 13 00-0034 EA 14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,347.56	171.73
For >35 To 70, Deduct	-30.13	
For >70 To 100, Deduct	-50.21	
For >100, Deduct	-70.30	
23 81 16 Room Air-Conditioners (23 81)		
Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.		
23 81 16 00-0001 Window Unit, Room Air-Conditioners (23 81 16)		
23 81 16 00-0002 Cooling Only, Window Unit, Room Air-Conditioners (23 81 16 00-0001)		
23 81 16 00-0003 Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) (23 81 16 00-0002)		
23 81 16 00-0004 EA 5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	334.48	67.74
For >10 To 50, Deduct	-9.95	
For >50 To 75, Deduct	-13.93	
For >75 To 100, Deduct	-19.90	
For >100, Deduct	-23.88	
23 81 16 00-0005 EA 6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	471.24	67.74
For >10 To 50, Deduct	-10.95	
For >50 To 75, Deduct	-15.33	
For >75 To 100, Deduct	-21.90	
For >100, Deduct	-26.28	
23 81 16 00-0006 EA 8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833Q1)	404.48	67.74
For >10 To 50, Deduct	-13.45	
For >50 To 75, Deduct	-18.83	
For >75 To 100, Deduct	-26.90	
For >100, Deduct	-32.28	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0007	EA		10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033Q1)	474.48	67.74
			<i>For >10 To 50, Deduct</i>	-16.95	
			<i>For >50 To 75, Deduct</i>	-23.73	
			<i>For >75 To 100, Deduct</i>	-33.90	
			<i>For >100, Deduct</i>	-40.68	
23 81 16 00-0008	EA		12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	564.48	67.74
			<i>For >10 To 50, Deduct</i>	-21.45	
			<i>For >50 To 75, Deduct</i>	-30.03	
			<i>For >75 To 100, Deduct</i>	-42.90	
			<i>For >100, Deduct</i>	-51.48	
23 81 16 00-0009	EA		15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	664.48	67.74
			<i>For >10 To 50, Deduct</i>	-26.45	
			<i>For >50 To 75, Deduct</i>	-37.03	
			<i>For >75 To 100, Deduct</i>	-52.90	
			<i>For >100, Deduct</i>	-63.48	
23 81 16 00-0010	EA		8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1)	624.48	67.74
			<i>For >10 To 50, Deduct</i>	-24.45	
			<i>For >50 To 75, Deduct</i>	-34.23	
			<i>For >75 To 100, Deduct</i>	-48.90	
			<i>For >100, Deduct</i>	-58.68	
23 81 16 00-0011	EA		10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1)	674.48	67.74
			<i>For >10 To 50, Deduct</i>	-26.95	
			<i>For >50 To 75, Deduct</i>	-37.73	
			<i>For >75 To 100, Deduct</i>	-53.90	
			<i>For >100, Deduct</i>	-64.68	
23 81 16 00-0012	EA		12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1)	714.48	67.74
			<i>For >10 To 50, Deduct</i>	-28.95	
			<i>For >50 To 75, Deduct</i>	-40.53	
			<i>For >75 To 100, Deduct</i>	-57.90	
			<i>For >100, Deduct</i>	-69.48	
23 81 16 00-0013	EA		15,100 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	724.48	67.74
			<i>For >10 To 50, Deduct</i>	-29.45	
			<i>For >50 To 75, Deduct</i>	-41.23	
			<i>For >75 To 100, Deduct</i>	-58.90	
			<i>For >100, Deduct</i>	-70.68	
23 81 16 00-0014	EA		18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2)	754.48	67.74
			<i>For >10 To 50, Deduct</i>	-30.95	
			<i>For >50 To 75, Deduct</i>	-43.33	
			<i>For >75 To 100, Deduct</i>	-61.90	
			<i>For >100, Deduct</i>	-74.28	
23 81 16 00-0015	EA		22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2)	834.48	67.74
			<i>For >10 To 50, Deduct</i>	-34.95	
			<i>For >50 To 75, Deduct</i>	-48.93	
			<i>For >75 To 100, Deduct</i>	-69.90	
			<i>For >100, Deduct</i>	-83.88	
23 81 16 00-0016	EA		25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2)	844.48	67.74
			<i>For >10 To 50, Deduct</i>	-35.45	
			<i>For >50 To 75, Deduct</i>	-49.63	
			<i>For >75 To 100, Deduct</i>	-70.90	
			<i>For >100, Deduct</i>	-85.08	
23 81 16 00-0017	EA		28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2)	964.48	67.74
			<i>For >10 To 50, Deduct</i>	-41.45	
			<i>For >50 To 75, Deduct</i>	-58.03	
			<i>For >75 To 100, Deduct</i>	-82.90	
			<i>For >100, Deduct</i>	-99.48	
23 81 16 00-0018			Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) <small>(23 81 16 00-0002)</small>		
23 81 16 00-0019	EA		8,000 BTU, 11.5 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10B)	1,064.48	67.74
23 81 16 00-0020	EA		9,700 BTU, 11.3 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10B)	1,154.48	67.74
23 81 16 00-0021	EA		11,900 BTU, 11.3 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C)	1,184.48	67.74
23 81 16 00-0022	EA		12,000 BTU, 11.3 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C)	1,279.48	67.74
23 81 16 00-0023	EA		17,500 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30A)	1,384.48	67.74
23 81 16 00-0024	EA		24,000 BTU, 8.5 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C)	1,864.48	67.74
23 81 16 00-0025	EA		28,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30B)	1,934.48	67.74
23 81 16 00-0026	EA		36,000 BTU, 8.5 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B)	2,164.48	67.74
23 81 16 00-0027			Heating And Cooling, Window Unit, Room Air-Conditioners <small>(23 81 16 00-0001)</small>		
23 81 16 00-0028			Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) <small>(23 81 16 00-0027)</small>		
23 81 16 00-0029	EA		8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FRA12EZU2)	694.48	67.74
			<i>For >10 To 50, Deduct</i>	-27.95	
			<i>For >50 To 75, Deduct</i>	-39.13	
			<i>For >75 To 100, Deduct</i>	-55.90	
			<i>For >100, Deduct</i>	-67.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0030 EA 12,000 BTU, 9.8 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222Q2).....	924.48	67.74
<i>For >10 To 50, Deduct</i>	-39.45	
<i>For >50 To 75, Deduct</i>	-55.23	
<i>For >75 To 100, Deduct</i>	-78.90	
<i>For >100, Deduct</i>	-94.68	
23 81 16 00-0031 EA 18,000 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822Q2).....	884.48	67.74
<i>For >10 To 50, Deduct</i>	-37.45	
<i>For >50 To 75, Deduct</i>	-52.43	
<i>For >75 To 100, Deduct</i>	-74.90	
<i>For >100, Deduct</i>	-89.88	
23 81 16 00-0032 EA 25,000 BTU, 9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522Q2).....	1,104.48	67.74
<i>For >10 To 50, Deduct</i>	-48.45	
<i>For >50 To 75, Deduct</i>	-67.83	
<i>For >75 To 100, Deduct</i>	-96.90	
<i>For >100, Deduct</i>	-116.28	
23 81 16 00-0033 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) <small>(23 81 16 00-0027)</small>		
23 81 16 00-0034 EA 7,500 BTU, 11.0 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich EQ08N11C).....	884.48	67.74
23 81 16 00-0035 EA 12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B).....	1,284.48	67.74
23 81 16 00-0036 Accessories <small>(23 81 16 00-0001)</small>		
23 81 16 00-0037 SET Aluminum Air Conditioner Unit Frame And Bracket Assembly.....	315.83	38.71
23 81 16 00-0038 Through-The-Wall, Room Air-Conditioners <small>(23 81 16)</small>		
Note: Base unit excludes wall sleeve.		
23 81 16 00-0039 Cooling Only, Through-The-Wall, Room Air-Conditioners <small>(23 81 16 00-0038)</small>		
23 81 16 00-0040 Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) <small>(23 81 16 00-0039)</small>		
23 81 16 00-0041 EA 8,000 BTU, 10.4 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10).....	825.77	48.39
<i>For >10 To 50, Deduct</i>	-36.45	
<i>For >50 To 75, Deduct</i>	-51.03	
<i>For >75 To 100, Deduct</i>	-72.90	
<i>For >100, Deduct</i>	-87.48	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	186.52	
23 81 16 00-0042 EA 9,700 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10).....	885.77	48.39
<i>For >10 To 50, Deduct</i>	-39.45	
<i>For >50 To 75, Deduct</i>	-55.23	
<i>For >75 To 100, Deduct</i>	-78.90	
<i>For >100, Deduct</i>	-94.68	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	186.52	
23 81 16 00-0043 EA 12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A).....	1,015.77	48.39
<i>For >10 To 50, Deduct</i>	-45.95	
<i>For >50 To 75, Deduct</i>	-64.33	
<i>For >75 To 100, Deduct</i>	-91.90	
<i>For >100, Deduct</i>	-110.28	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	186.52	
23 81 16 00-0044 EA 10,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10C30D).....	890.77	48.39
<i>For >10 To 50, Deduct</i>	-39.70	
<i>For >50 To 75, Deduct</i>	-55.58	
<i>For >75 To 100, Deduct</i>	-79.40	
<i>For >100, Deduct</i>	-95.28	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	186.52	
23 81 16 00-0045 EA 11,500 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12C30D).....	1,010.77	48.39
<i>For >10 To 50, Deduct</i>	-45.70	
<i>For >50 To 75, Deduct</i>	-63.98	
<i>For >75 To 100, Deduct</i>	-91.40	
<i>For >100, Deduct</i>	-109.68	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	186.52	
23 81 16 00-0046 Heating And Cooling, Through-The-Wall, Room Air-Conditioners <small>(23 81 16 00-0038)</small>		
23 81 16 00-0047 Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich) <small>(23 81 16 00-0046)</small>		
23 81 16 00-0048 EA 10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33).....	1,045.77	48.39
<i>For >10 To 50, Deduct</i>	-47.45	
<i>For >50 To 75, Deduct</i>	-66.43	
<i>For >75 To 100, Deduct</i>	-94.90	
<i>For >100, Deduct</i>	-113.88	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	186.52	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81	16 00-0049	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33)	1,095.77	48.39
			<i>For >10 To 50, Deduct</i>	-49.95	
			<i>For >50 To 75, Deduct</i>	-69.93	
			<i>For >75 To 100, Deduct</i>	-99.90	
			<i>For >100, Deduct</i>	-119.88	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	186.52	
23 81 23	23 00-0001		Computer-Room Air-Conditioners ^(23 81)		
			Note: Includes equipment rigging. Indoor units include filters.		
23 81 23 00-0001			Floor Mounted Air Cooled Direct Expansion Type ^(23 81 23)		
			Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control. Excludes precharged copper pipe.		
23 81 23 00-0002	EA		3 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	19,185.52	1,376.98
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	2,139.72	
23 81 23 00-0003	EA		5 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	21,174.58	1,506.07
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	2,362.87	
23 81 23 00-0004	EA		6 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	29,276.18	1,721.23
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	3,339.52	
23 81 23 00-0005	EA		10 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	34,805.03	1,936.38
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	3,990.62	
23 81 23 00-0006	EA		16 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	39,012.05	2,323.65
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	4,438.24	
23 81 23 00-0007	EA		20 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	44,071.84	2,581.84
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	5,028.97	
23 81 23 00-0008	EA		24 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	46,257.58	2,753.96
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	5,265.26	
23 81 23 00-0009	EA		30 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	54,291.60	3,098.20
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	6,210.44	
23 81 23 00-0010			Floor Mounted Chilled Water Type ^(23 81 23)		
			Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 00-0018 for chilled water source.		
23 81 23 00-0011	EA		3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	12,957.80	943.51
			<i>For Liebert Unit, Add</i>	1,462.47	
23 81 23 00-0012	EA		5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	13,926.42	1,045.13
			<i>For Liebert Unit, Add</i>	1,566.62	
23 81 23 00-0013	EA		12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	17,240.98	1,591.87
			<i>For Liebert Unit, Add</i>	1,889.81	
23 81 23 00-0014	EA		16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	18,022.71	1,612.84
			<i>For Liebert Unit, Add</i>	1,984.06	
23 81 23 00-0015	EA		20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	18,715.98	1,677.36
			<i>For Liebert Unit, Add</i>	2,058.86	
23 81 23 00-0016	EA		22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	19,161.80	1,838.64
			<i>For Liebert Unit, Add</i>	2,088.78	
23 81 23 00-0017	EA		31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	20,328.92	1,999.92
			<i>For Liebert Unit, Add</i>	2,208.47	
23 81 23 00-0018			Floor Mounted Water Source ^(23 81 23)		
			Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes water source.		
23 81 23 00-0019	EA		3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	10,047.11	860.61
			<i>For Liebert Unit, Add</i>	1,095.12	
23 81 23 00-0020	EA		5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	11,055.24	903.64
			<i>For Liebert Unit, Add</i>	1,213.06	
23 81 23 00-0021	EA		6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	14,320.34	946.68
			<i>For Liebert Unit, Add</i>	1,613.20	
23 81 23 00-0022	EA		8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	15,433.56	1,032.74
			<i>For Liebert Unit, Add</i>	1,735.34	
23 81 23 00-0023	EA		10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	17,045.42	1,118.80
			<i>For Liebert Unit, Add</i>	1,920.67	
23 81 23 00-0024	EA		12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	17,716.69	1,204.85
			<i>For Liebert Unit, Add</i>	1,988.06	
23 81 23 00-0025	EA		15 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	18,498.48	1,290.92
			<i>For Liebert Unit, Add</i>	2,072.30	
23 81 23 00-0026	EA		20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	19,024.35	1,376.98
			<i>For Liebert Unit, Add</i>	2,122.85	
23 81 23 00-0027	EA		25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	21,762.74	1,635.16
			<i>For Liebert Unit, Add</i>	2,414.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 00-0028 Floor Mounted Glycol System Type <small>(23 81 23)</small>		
<small>Note: Includes drycoolers, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquid sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 00-0018 for water source.</small>		
23 81 23 00-0029 EA 3 Ton Computer Room Air Conditioner, Glycol System Type.....	18,667.62	943.51
<small>For Liebert Unit, Add</small>		
	<small>2,176.20</small>	
23 81 23 00-0030 EA 5 Ton Computer Room Air Conditioner, Glycol System Type.....	20,098.51	1,045.13
<small>For Liebert Unit, Add</small>		
	<small>2,338.13</small>	
23 81 23 00-0031 EA 6 Ton Computer Room Air Conditioner, Glycol System Type.....	30,944.14	1,170.92
<small>For Liebert Unit, Add</small>		
	<small>3,672.86</small>	
23 81 23 00-0032 EA 9 Ton Computer Room Air Conditioner, Glycol System Type.....	31,943.04	1,296.73
<small>For Liebert Unit, Add</small>		
	<small>3,776.76</small>	
23 81 23 00-0033 EA 10 Ton Computer Room Air Conditioner, Glycol System Type.....	34,192.44	1,422.53
<small>For Liebert Unit, Add</small>		
	<small>4,036.97</small>	
23 81 23 00-0034 EA 16 Ton Computer Room Air Conditioner, Glycol System Type.....	40,911.60	1,612.84
<small>For Liebert Unit, Add</small>		
	<small>4,843.80</small>	
23 81 23 00-0035 EA 20 Ton Computer Room Air Conditioner, Glycol System Type.....	44,844.31	1,677.36
<small>For Liebert Unit, Add</small>		
	<small>5,324.90</small>	
23 81 23 00-0036 EA 22 Ton Computer Room Air Conditioner, Glycol System Type.....	46,518.42	1,838.64
<small>For Liebert Unit, Add</small>		
	<small>5,508.36</small>	
23 81 23 00-0037 EA 30 Ton Computer Room Air Conditioner, Glycol System Type.....	56,627.21	1,999.92
<small>For Liebert Unit, Add</small>		
	<small>6,745.75</small>	
23 81 23 00-0038 Horizontal Indoor Single Package Cooling Unit <small>(23 81 23)</small>		
<small>Note: Carrier 50AH With indoor scroll compressor, plenum mounted.</small>		
23 81 23 00-0039 EA 2 Ton Horizontal Indoor Single-Package Cooling Unit, 800 CFM Nominal.....	10,276.47	387.08
23 81 23 00-0040 EA 3 Ton Horizontal Indoor Single-Package Cooling Unit, 1,200 CFM Nominal.....	12,049.64	483.85
23 81 23 00-0041 EA 4 Ton Horizontal Indoor Single-Package Cooling Unit, 1,600 CFM Nominal.....	14,033.87	580.62
23 81 23 00-0042 EA 5 Ton Horizontal Indoor Single-Package Cooling Unit, 2,000 CFM Nominal.....	16,329.75	645.13
23 81 23 00-0043 Removal And Reinstallation Of Computer Room Unit <small>(23 81 23)</small>		
<small>Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.</small>		
23 81 23 00-0044 EA Removal And Reinstallation Of Computer Room Unit, Chilled Water.....	1,290.27	
23 81 23 00-0045 EA Removal And Reinstallation Of Computer Room Unit, Direct Expansion.....	1,075.22	
23 81 26 Split-System Air-Conditioners <small>(23 81)</small>		
23 81 26 00-0001 Split System A/C Unit <small>(23 81 26)</small>		
<small>See CSI section 23 23 16 00-0001 for piping.</small>		
23 81 26 00-0002 Ductless Split System Air Conditioners <small>(23 81 26 00-0001)</small>		
<small>Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0025 for ductless heat pumps.</small>		
23 81 26 00-0003 Wall Mounted Ductless Split System Air Conditioners <small>(23 81 26 00-0002)</small>		
23 81 26 00-0004 EA 9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners.....	1,607.77	212.90
<small>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.</small>		
23 81 26 00-0005 EA 11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner.....	1,736.21	232.25
<small>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.</small>		
23 81 26 00-0006 EA 17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners.....	2,190.76	258.06
<small>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.</small>		
23 81 26 00-0007 EA 24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners.....	2,432.29	283.86
<small>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.</small>		
23 81 26 00-0008 EA 25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners.....	3,842.93	309.66
<small>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.</small>		
23 81 26 00-0009 EA 29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners.....	4,502.72	322.57
<small>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.</small>		
23 81 26 00-0010 EA 31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners.....	4,947.75	343.86
<small>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.</small>		
23 81 26 00-0011 Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners <small>(23 81 26 00-0002)</small>		
<small>Note: Use this section only when matching indoor and outdoor capacity units are not used.</small>		
23 81 26 00-0012 EA 7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners.....	684.91	103.22
<small>Note: Includes indoor unit and wireless thermostat.</small>		
23 81 26 00-0013 EA 9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners.....	722.34	109.68
<small>Note: Includes indoor unit and wireless thermostat.</small>		
23 81 26 00-0014 EA 11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners.....	760.50	116.12
<small>Note: Includes indoor unit and wireless thermostat.</small>		
23 81 26 00-0015 EA 17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners.....	865.51	122.58
<small>Note: Includes indoor unit and wireless thermostat.</small>		
23 81 26 00-0016 EA 24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners.....	926.43	129.02
<small>Note: Includes indoor unit and wireless thermostat.</small>		
23 81 26 00-0017 EA 19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners.....	1,984.03	154.84
<small>Note: Includes outdoor unit and refrigerant charge.</small>		
23 81 26 00-0018 EA 25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners.....	2,196.23	167.74
<small>Note: Includes outdoor unit and refrigerant charge.</small>		
23 81 26 00-0019 EA 30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners.....	3,539.61	180.64
<small>Note: Includes outdoor unit and refrigerant charge.</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 00-0020			Suspended Ceiling Mounted Ductless Split System Air Conditioners (23 81 26 00-0002) Note: Excludes hangers.		
23 81 26 00-0021	EA		24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners .....4,131.84	309.66	
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0022	EA		31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners .....5,034.73	369.66	
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0023	EA		39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners .....6,194.74	387.08	
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0024			Recessed Ceiling Mounted Ductless Split System Air Conditioners (23 81 26 00-0002) Note: Excludes hangers.		
23 81 26 00-0025	EA		11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners .....2,488.24	258.06	
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0026	EA		17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners .....2,910.46	283.86	
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0027	EA		24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners .....4,086.18	335.47	
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0028	EA		32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners .....4,740.92	369.66	
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0029	EA		39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners .....6,047.83	387.08	
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0030			Ductless Split System Accessories (23 81 26 00-0002)		
23 81 26 00-0031	LF		3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....7.31	0.93	
23 81 26 00-0032	LF		4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....9.40	1.02	
23 81 26 00-0033	LF		6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....11.69	1.12	
23 81 26 00-0034	EA		3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....12.28	1.73	
23 81 26 00-0035	EA		4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....21.03	1.90	
23 81 26 00-0036	EA		6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....23.95	2.10	
23 81 26 00-0037	EA		3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....30.45	3.47	
23 81 26 00-0038	EA		4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....50.28	3.81	
23 81 26 00-0039	EA		6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....56.13	4.19	
23 81 26 00-0040	EA		3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....40.54	3.70	
23 81 26 00-0041	EA		4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....47.53	4.07	
23 81 26 00-0042	EA		6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....73.41	4.48	
23 81 26 00-0043	EA		3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....30.45	3.47	
23 81 26 00-0044	EA		4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....50.28	3.81	
23 81 26 00-0045	EA		6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....56.13	4.19	
23 81 26 00-0046	EA		3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....39.81	5.78	
23 81 26 00-0047	EA		4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....57.99	6.36	
23 81 26 00-0048	EA		6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....69.31	6.99	
23 81 26 00-0049	EA		2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....22.28	1.16	
23 81 26 00-0050	EA		3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....24.58	3.47	
23 81 26 00-0051	EA		4" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....39.71	3.81	
23 81 26 00-0052	EA		3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....22.23	3.47	
23 81 26 00-0053	EA		4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....30.33	3.81	
23 81 26 00-0054	EA		6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....32.66	4.19	
23 81 26 00-0055	EA		4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....106.71	4.63	
23 81 26 00-0056	EA		6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....121.02	5.09	
23 81 26 00-0057	EA		14" Condensing Unit Mounting Blocks With End Caps .....68.96	17.34	
23 81 26 00-0058	EA		17" Condensing Unit Mounting Blocks With End Caps .....75.99	18.49	
23 81 26 00-0059	EA		36" Condensing Unit Mounting Blocks With End Caps .....102.96	19.65	
23 81 26 00-0060	EA		End Cap, Set of 4.....11.72		
23 81 26 00-0061	EA		18" Condensing Unit Type 2 Wall Bracket, 165 LB Capacity .....146.22	34.68	
23 81 26 00-0062	EA		21" Condensing Unit Type 2 Wall Bracket, 220 LB Capacity .....155.24	36.99	
23 81 26 00-0063	LF		5/8" ID Condensate Drain Line .....1.58	0.09	
23 81 26 00-0064	LF		3/4" ID Condensate Drain Line .....1.64	0.09	
23 81 26 00-0065			Cased A/C Evaporator Coils (23 81 26 00-0001)		
23 81 26 00-0066			Vertical Cased A/C Evaporator Coils (23 81 26 00-0065)		
23 81 26 00-0067	EA		1-1/2 Ton Vertical Cased A/C Evaporator Coil.....379.08	70.38	
23 81 26 00-0068	EA		2 Ton Vertical Cased A/C Evaporator Coil .....396.31	75.66	
23 81 26 00-0069	EA		2-1/2 Ton Vertical Cased A/C Evaporator Coil.....467.87	80.94	
23 81 26 00-0070	EA		3 Ton Vertical Cased A/C Evaporator Coil.....530.86	86.21	
23 81 26 00-0071	EA		3-1/2 Ton Vertical Cased A/C Evaporator Coil.....610.35	89.74	
23 81 26 00-0072	EA		4 Ton Vertical Cased A/C Evaporator Coil .....678.40	93.25	
23 81 26 00-0073	EA		4-1/2 Ton Vertical Cased A/C Evaporator Coil.....728.70	100.29	
23 81 26 00-0074	EA		5 Ton Vertical Cased A/C Evaporator Coil.....735.46	105.57	
23 81 26 00-0075			"A" Style Horizontal Cased A/C Evaporator Coils (23 81 26 00-0065)		
23 81 26 00-0076	EA		2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....458.86	72.14	
23 81 26 00-0077	EA		2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....525.07	76.19	
23 81 26 00-0078	EA		3 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....598.73	80.94	
23 81 26 00-0079	EA		3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....620.52	83.86	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Decentralized Unitary HVAC Equipment	23 80
Decentralized Unitary HVAC Equipment	23 81



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				23 81 26 00-0080 EA 4 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	649.73	87.98
				23 81 26 00-0081 EA 4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	658.97	92.55
				23 81 26 00-0082 EA 5 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	668.03	97.12
23 81 26 00-0083				Slab Style Horizontal Cased A/C Evaporator Coils (23 81 26 00-0065)		
				23 81 26 00-0084 EA 2 Ton Slab Style Horizontal Cased A/C Evaporator Coil	404.52	72.14
				23 81 26 00-0085 EA 3 Ton Slab Style Horizontal Cased A/C Evaporator Coil	483.38	80.94
				23 81 26 00-0086 EA 4 Ton Slab Style Horizontal Cased A/C Evaporator Coil	556.31	87.98
				23 81 26 00-0087 EA 5 Ton Slab Style Horizontal Cased A/C Evaporator Coil	667.08	97.12
23 81 26 00-0088				Mitsubishi City Multi, Variable Refrigerant Flow (23 81 26 00-0001)		
23 81 26 00-0089				Outdoor Units (23 81 26 00-0088)		
				23 81 26 00-0090 EA 6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A).....	12,924.36	338.70
				23 81 26 00-0091 EA 8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A).....	13,985.39	403.21
				23 81 26 00-0092 EA 10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A).....	15,714.10	483.85
				23 81 26 00-0093 EA 12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A).....	19,427.94	499.98
				23 81 26 00-0094 EA 12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A).....	25,905.08	516.11
				23 81 26 00-0095 EA 14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A).....	26,869.33	532.24
				23 81 26 00-0096 EA 16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A).....	27,833.60	548.37
				23 81 26 00-0097 EA 18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A).....	29,465.54	580.62
				23 81 26 00-0098 EA 20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A).....	31,097.47	612.88
				23 81 26 00-0099 EA 22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A).....	34,843.56	645.13
				23 81 26 00-0100 EA 24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A).....	38,589.66	677.39
23 81 26 00-0101				Indoor Units (23 81 26 00-0088)		
				23 81 26 00-0102 EA 6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2).....	1,121.62	104.83
				23 81 26 00-0103 EA 8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2).....	1,177.86	112.90
				23 81 26 00-0104 EA 12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2).....	1,227.77	120.96
				23 81 26 00-0105 EA 15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2).....	1,288.23	129.02
				23 81 26 00-0106 EA 18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2).....	1,390.44	153.22
				23 81 26 00-0107 EA 24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2).....	1,547.83	185.48
				23 81 26 00-0108 EA 30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2).....	1,676.14	201.61
				23 81 26 00-0109 EA 6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E2).....	1,638.68	115.31
				23 81 26 00-0110 EA 8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E2).....	1,694.42	124.19
				23 81 26 00-0111 EA 12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E2).....	1,786.04	133.06
				23 81 26 00-0112 EA 15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E2).....	1,938.88	141.93
				23 81 26 00-0113 EA 18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E2).....	2,039.61	168.54
				23 81 26 00-0114 EA 24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E2).....	2,231.95	204.02
				23 81 26 00-0115 EA 27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E2).....	2,347.86	212.90
				23 81 26 00-0116 EA 30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E2).....	2,476.43	221.76
				23 81 26 00-0117 EA 36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E2).....	2,747.72	243.94
				23 81 26 00-0118 EA 48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E2).....	3,046.65	268.33
				23 81 26 00-0119 EA 54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E2).....	3,295.59	295.17
				23 81 26 00-0120 EA 72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E).....	4,195.85	324.68
				23 81 26 00-0121 EA 96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E).....	4,767.43	357.15
				23 81 26 00-0122 EA 12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NBMU-ER2).....	1,826.15	133.06
				23 81 26 00-0123 EA 15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NBMU-ER2).....	1,925.16	141.93
				23 81 26 00-0124 EA 18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P18NBMU-ER2).....	2,025.89	168.54
				23 81 26 00-0125 EA 24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P24NBMU-ER2).....	2,265.73	204.02
				23 81 26 00-0126 EA 30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P30NBMU-ER2).....	2,439.49	221.76
				23 81 26 00-0127 EA 36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P36NBMU-ER2).....	2,990.48	243.94
				23 81 26 00-0128 EA 6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5).....	1,676.68	115.31
				23 81 26 00-0129 EA 8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5).....	1,761.97	124.19
				23 81 26 00-0130 EA 12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5).....	1,893.70	133.06
				23 81 26 00-0131 EA 15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5).....	1,992.71	141.93
				23 81 26 00-0132 EA 8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4).....	1,545.59	124.19
				23 81 26 00-0133 EA 12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4).....	1,623.49	133.06
				23 81 26 00-0134 EA 15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4).....	1,705.62	141.93
23 81 26 00-0135				Controllers For Outdoor Units (23 81 26 00-0088)		
				23 81 26 00-0136 EA 8 Branch (Main BC) (Mitsubishi CMB-P108NU-GA).....	5,763.41	96.77
				23 81 26 00-0137 EA 10 Branch (Main BC) (Mitsubishi CMB-P1010NU-GA).....	6,649.57	112.90
				23 81 26 00-0138 EA 13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA).....	7,712.00	129.02
				23 81 26 00-0139 EA 16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA).....	9,156.51	145.15

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 00-0140 EA 4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB).....	3,360.96	64.52
23 81 26 00-0141 EA 8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB).....	5,178.67	96.77
23 81 26 00-0142 EA 16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB).....	7,917.35	145.15
23 81 26 00-0143 EA ME Remote Controller (Mitsubishi PAR-F27MEA-US).....	422.45	12.90
23 81 26 00-0144 EA AG-150 Standard Package (Mitsubishi AG-150A-Standard).....	4,668.73	12.90
23 81 26 00-0145 EA GB-50ADA Standard Package (Mitsubishi GB-50ADA-A).....	2,834.27	12.90
23 81 26 00-0146 Energy Recovery Units <small>(23 81 26 00-0088)</small>		
23 81 26 00-0147 EA 36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMU-E-AU).....	4,260.38	96.77
23 81 26 00-0148 EA 39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMU-E-BU).....	8,097.12	96.77
23 81 26 00-0149 EA 112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR).....	8,207.49	112.90
23 81 26 00-0150 EA Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E).....	1,681.20	80.65
23 81 26 00-0151 EA Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E).....	2,149.97	83.86
23 81 26 00-0152 EA Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E).....	2,569.11	87.09
23 81 26 00-0153 EA Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX3-E).....	4,708.97	96.77
23 81 26 00-0154 Piping Specialties <small>(23 81 26 00-0088)</small>		
23 81 26 00-0155 EA Maintenance Tool Interface (Mitsubishi CMS-MNG-E).....	601.64	
23 81 26 00-0156 EA Branch Joint (Mitsubishi CMY-Y102SS-G2).....	154.09	26.73
23 81 26 00-0157 EA Branch Joint (Mitsubishi CMY-Y102LS-G2).....	154.09	26.73
23 81 26 00-0158 EA Branch Joint (Mitsubishi CMY-Y202S-G2).....	171.33	28.14
23 81 26 00-0159 EA Branch Joint (Mitsubishi CMY-Y302S-G2).....	215.30	31.66
23 81 26 00-0160 EA Header - 4 Branch (Mitsubishi CMY-Y64-G-E).....	280.38	45.73
23 81 26 00-0161 EA Header - 8 Branch (Mitsubishi CMY-Y68-G-E).....	473.17	91.45
23 81 26 00-0162 EA Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI).....	78.46	11.26
23 81 26 00-0163 EA Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI).....	87.95	15.48
23 81 26 00-0164 Daikin VRV <small>(23 81 26 00-0001)</small>		
23 81 26 00-0165 Heat Pump Outdoor Units <small>(23 81 26 00-0164)</small>		
23 81 26 00-0166 EA 6 Ton Heat Pump Outdoor Unit (Daikin RXYQ72PBTJ).....	12,794.32	338.70
23 81 26 00-0167 EA 8 Ton Heat Pump Outdoor Unit (Daikin RXYQ96PBTJ).....	14,305.10	403.21
23 81 26 00-0168 EA 10 Ton Heat Pump Outdoor Unit (Daikin RXYQ120PBTJ).....	15,954.44	483.85
23 81 26 00-0169 EA 12 Ton Heat Pump Outdoor Unit (Daikin RXYQ144PBTJ).....	19,919.39	499.98
23 81 26 00-0170 EA 14 Ton Heat Pump Outdoor Unit (Daikin RXYQ168PBTJ).....	26,680.08	532.24
23 81 26 00-0171 EA 16 Ton Heat Pump Outdoor Unit (Daikin RXYQ192PBTJ).....	28,200.39	548.37
23 81 26 00-0172 EA 18 Ton Heat Pump Outdoor Unit (Daikin RXYQ216PBTJ).....	29,646.66	580.62
23 81 26 00-0173 EA 20 Ton Heat Pump Outdoor Unit (Daikin RXYQ240PBTJ).....	31,199.22	612.88
23 81 26 00-0174 EA 22 Ton Heat Pump Outdoor Unit (Daikin RXYQ264PBTJ).....	40,404.57	645.13
23 81 26 00-0175 EA 24 Ton Heat Pump Outdoor Unit (Daikin RXYQ288PBTJ).....	41,957.13	677.39
23 81 26 00-0176 EA 26 Ton Heat Pump Outdoor Unit (Daikin RXYQ312PBTJ).....	43,509.68	709.65
23 81 26 00-0177 EA 28 Ton Heat Pump Outdoor Unit (Daikin RXYQ336PBTJ).....	44,955.96	741.91
23 81 26 00-0178 EA 30 Ton Heat Pump Outdoor Unit (Daikin RXYQ360PBTJ).....	46,508.51	774.17
23 81 26 00-0179 Heat Recovery Heat Pump Outdoor Units <small>(23 81 26 00-0164)</small>		
23 81 26 00-0180 EA 6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ72PBTJ).....	16,385.76	440.31
23 81 26 00-0181 EA 8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ96PBTJ).....	17,876.07	524.17
23 81 26 00-0182 EA 10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ120PBTJ).....	19,645.99	629.01
23 81 26 00-0183 EA 12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ144PBTJ).....	24,683.50	649.98
23 81 26 00-0184 EA 14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ168PBTJ).....	33,376.76	691.91
23 81 26 00-0185 EA 16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ192PBTJ).....	35,969.63	712.88
23 81 26 00-0186 EA 18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ216PBTJ).....	37,328.96	754.81
23 81 26 00-0187 EA 20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ240PBTJ).....	38,688.30	796.74
23 81 26 00-0188 EA 22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ264PBTJ).....	50,942.24	838.67
23 81 26 00-0189 EA 24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ288PBTJ).....	52,301.57	880.62
23 81 26 00-0190 EA 26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ312PBTJ).....	54,936.38	922.55
23 81 26 00-0191 EA 28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ336PBTJ).....	56,295.71	964.48
23 81 26 00-0192 Indoor Units <small>(23 81 26 00-0164)</small>		
23 81 26 00-0193 EA 7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ07PVJU).....	1,469.18	112.90
23 81 26 00-0194 EA 9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ09PVJU).....	1,534.79	116.12
23 81 26 00-0195 EA 12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ12PVJU).....	1,735.99	120.96
23 81 26 00-0196 EA 18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ18PVJU).....	1,946.90	153.22
23 81 26 00-0197 EA 24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ24PVJU).....	2,137.75	185.48
23 81 26 00-0198 EA 7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ07PVJU).....	2,149.55	124.19
23 81 26 00-0199 EA 9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ09PVJU).....	2,221.81	127.74
23 81 26 00-0200 EA 12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ12PVJU).....	2,333.74	70.96
23 81 26 00-0201 EA 18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ18PVJU).....	2,479.91	168.54
23 81 26 00-0202 EA 24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ24PVJU).....	3,298.93	204.02
23 81 26 00-0203 EA 30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ30PVJU).....	3,360.47	221.76
23 81 26 00-0204 EA 36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ36PVJU).....	3,591.32	243.94
23 81 26 00-0205 EA 48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ48PVJU).....	3,715.31	268.33
23 81 26 00-0206 EA 7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ07M7VJU).....	2,404.24	124.19
23 81 26 00-0207 EA 9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ09M7VJU).....	2,461.47	127.74
23 81 26 00-0208 EA 12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ12M7VJU).....	2,617.51	133.06



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Decentralized Unitary HVAC Equipment	23 80
Decentralized Unitary HVAC Equipment	23 81

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 00-0209 EA 18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ18M7VJU)	2,793.77	168.54
23 81 26 00-0210 Branch Selector Boxes <small>(23 81 26 00-0164)</small>		
23 81 26 00-0211 EA 144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin BSV4Q36PVJU)	7,305.37	145.15
23 81 26 00-0212 EA 216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin BSV6Q36PVJU)	10,803.39	193.54
23 81 26 00-0213 EA 36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin BSVQ36PVJU)	1,442.59	64.52
23 81 26 00-0214 EA 60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ60PVJU)	1,945.30	96.77
23 81 26 00-0215 EA 96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ96PVJU)	2,416.09	145.15
23 81 26 00-0216 Controllers <small>(23 81 26 00-0164)</small>		
23 81 26 00-0217 EA Up To 16 Units, Navigation Controller (Daikin BRC1E71)	454.91	12.90
23 81 26 00-0218 EA Individual Zone Controller (Daikin BRC2A71)	330.57	12.90
23 81 26 00-0219 EA Up To 16 Groups, Unified ON/OFF Controller (Daikin DCS301C71)	634.39	12.90
23 81 26 00-0220 EA Up To 64 Units, Multizone Controller (Daikin DCS302C71)	886.08	12.90
23 81 26 00-0221 EA I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin DCM601A71)	8,266.59	154.84
23 81 26 00-0222 EA I-Touch Manager D3net Plus Adapter (Daikin DCM601A72)	1,532.84	12.90
23 81 26 00-0223 Energy Recovery Units <small>(23 81 26 00-0164)</small>		
23 81 26 00-0224 EA 300 CFM Energy Recovery Unit (Daikin VAM300GVJU)	2,526.71	80.65
23 81 26 00-0225 EA 470 CFM Energy Recovery Unit (Daikin VAM470GVJU)	3,277.19	83.86
23 81 26 00-0226 EA 600 CFM Energy Recovery Unit (Daikin VAM600GVJU)	3,921.36	87.09
23 81 26 00-0227 EA 1,200 CFM Energy Recovery Unit (Daikin VAM1200GVJU)	7,314.89	96.77
23 81 43 Air-Source Unitary Heat Pumps <small>(23 81)</small>		
23 81 43 00-0001 Single Package Thru-Wall Heat Pumps <small>(23 81 43)</small>		
Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 V, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel.		
23 81 43 00-0002 EA 1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	1,721.35	105.06
For Unit Economizer, Add	202.50	
For >35 To 70, Deduct	-45.55	
For >70 To 100, Deduct	-75.91	
For >100, Deduct	-106.28	
For Low Ambient Protection, 0 Degree F, Add	187.42	
23 81 43 00-0003 EA 1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	1,904.06	112.06
For Unit Economizer, Add	224.14	
For >35 To 70, Deduct	-50.61	
For >70 To 100, Deduct	-84.35	
For >100, Deduct	-118.09	
For Low Ambient Protection, 0 Degree F, Add	206.10	
23 81 43 00-0004 EA 1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	3,321.08	112.06
For Unit Economizer, Add	394.19	
For >35 To 70, Deduct	-93.12	
For >70 To 100, Deduct	-155.20	
For >100, Deduct	-217.28	
For Low Ambient Protection, 0 Degree F, Add	333.64	
23 81 43 00-0005 EA 2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	3,638.74	112.06
For Unit Economizer, Add	432.03	
For >35 To 70, Deduct	-102.23	
For >70 To 100, Deduct	-170.38	
For >100, Deduct	-238.53	
For Low Ambient Protection, 0 Degree F, Add	160.01	
23 81 43 00-0006 EA 2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,125.10	119.07
For Unit Economizer, Add	490.11	
For >35 To 70, Deduct	-116.40	
For >70 To 100, Deduct	-194.00	
For >100, Deduct	-271.60	
For Low Ambient Protection, 0 Degree F, Add	177.68	
23 81 43 00-0007 EA 3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,327.53	126.07
For Unit Economizer, Add	514.40	
For >35 To 70, Deduct	-122.47	
For >70 To 100, Deduct	-204.12	
For >100, Deduct	-285.77	
For Low Ambient Protection, 0 Degree F, Add	592.00	
23 81 43 00-0008 EA 3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,881.35	126.07
For Unit Economizer, Add	580.58	
For >35 To 70, Deduct	-138.67	
For >70 To 100, Deduct	-231.11	
For >100, Deduct	-323.55	
For Low Ambient Protection, 0 Degree F, Add	665.67	
23 81 43 00-0009 EA 4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,394.44	133.07
For Unit Economizer, Add	642.01	
For >35 To 70, Deduct	-153.85	
For >70 To 100, Deduct	-256.41	
For >100, Deduct	-358.98	
For Low Ambient Protection, 0 Degree F, Add	733.22	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0010	EA		5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	6,212.45	154.08
			<i>For Unit Economizer, Add</i>	739.33	
			<i>For >35 To 70, Deduct</i>	-177.13	
			<i>For >70 To 100, Deduct</i>	-295.21	
			<i>For >100, Deduct</i>	-413.30	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	844.60	
23 81 43 00-0011	EA		7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	11,471.26	182.10
			<i>For Unit Economizer, Add</i>	1,369.13	
			<i>For >35 To 70, Deduct</i>	-333.00	
			<i>For >70 To 100, Deduct</i>	-555.00	
			<i>For >100, Deduct</i>	-777.00	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,535.81	
23 81 43 00-0012	EA		10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	14,774.49	231.13
			<i>For Unit Economizer, Add</i>	1,763.55	
			<i>For >35 To 70, Deduct</i>	-429.16	
			<i>For >70 To 100, Deduct</i>	-715.26	
			<i>For >100, Deduct</i>	-1,001.37	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	260.37	
23 81 43 00-0013	EA		12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	18,062.44	259.14
			<i>For Unit Economizer, Add</i>	2,157.13	
			<i>For >35 To 70, Deduct</i>	-526.32	
			<i>For >70 To 100, Deduct</i>	-877.21	
			<i>For >100, Deduct</i>	-1,228.09	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	305.01	
23 81 43 00-0014	EA		15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	22,309.08	294.17
			<i>For Unit Economizer, Add</i>	2,665.46	
			<i>For >35 To 70, Deduct</i>	-651.83	
			<i>For >70 To 100, Deduct</i>	-1,086.39	
			<i>For >100, Deduct</i>	-1,520.94	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	362.61	
23 81 43 00-0015	EA		20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	29,780.63	315.18
			<i>For Unit Economizer, Add</i>	3,561.07	
			<i>For >35 To 70, Deduct</i>	-874.51	
			<i>For >70 To 100, Deduct</i>	-1,457.51	
			<i>For >100, Deduct</i>	-2,040.52	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	449.09	
23 81 43 00-0016	EA		25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	35,909.64	343.19
			<i>For Unit Economizer, Add</i>	4,295.43	
			<i>For >35 To 70, Deduct</i>	-1,056.70	
			<i>For >70 To 100, Deduct</i>	-1,761.16	
			<i>For >100, Deduct</i>	-2,465.63	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	523.83	

23 81 43 00-0017 Single Package Vertical Wall Heat Pumps (23 81 43)

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 V, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel.

23 81 43 00-0018	EA		1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	2,652.92	140.08
23 81 43 00-0019	EA		1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	3,240.67	154.08
23 81 43 00-0020	EA		1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,223.68	161.09
23 81 43 00-0021	EA		2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	4,850.95	175.09
23 81 43 00-0022	EA		2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,079.98	203.11
23 81 43 00-0023	EA		3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	6,486.01	231.13
23 81 43 00-0024	EA		3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	7,033.54	259.14
23 81 43 00-0025	EA		4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	7,918.32	287.16
23 81 43 00-0026	EA		5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	8,910.13	343.19

23 81 43 00-0027 Heat Pump, Room Air-Conditioners (23 81 43)

Note: Includes throwaway filters and supplemental heat.

23 81 43 00-0028 Heat Pump, Window Unit, Room Air-Conditioners (23 81 43 00-0027)

23 81 43 00-0029 Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) (23 81 43 00-0028)

23 81 43 00-0030	EA		9,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10B)	1,344.48	67.74
			<i>For >10 To 50, Deduct</i>	-60.45	
			<i>For >50 To 75, Deduct</i>	-84.63	
			<i>For >75 To 100, Deduct</i>	-120.90	
			<i>For >100, Deduct</i>	-145.08	
23 81 43 00-0031	EA		11,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33B).....	1,484.48	67.74
			<i>For >10 To 50, Deduct</i>	-67.45	
			<i>For >50 To 75, Deduct</i>	-94.43	
			<i>For >75 To 100, Deduct</i>	-134.90	
			<i>For >100, Deduct</i>	-161.88	
23 81 43 00-0032	EA		17,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YM18N34B).....	1,694.48	67.74
			<i>For >10 To 50, Deduct</i>	-77.95	
			<i>For >50 To 75, Deduct</i>	-109.13	
			<i>For >75 To 100, Deduct</i>	-155.90	
			<i>For >100, Deduct</i>	-187.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0033 EA 24,000 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35B).....	1,984.48	67.74
<i>For >10 To 50, Deduct</i>	-92.45	
<i>For >50 To 75, Deduct</i>	-129.43	
<i>For >75 To 100, Deduct</i>	-184.90	
<i>For >100, Deduct</i>	-221.88	
23 81 43 00-0034 Heat Pump, Through-The-Wall, Room Air-Conditioners <small>(23 81 43 00-0027)</small>		
Note: Base unit excludes wall sleeve.		
23 81 43 00-0035 Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) <small>(23 81 43 00-0034)</small>		
23 81 43 00-0036 EA 9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D).....	1,295.77	48.39
<i>For >10 To 50, Deduct</i>	-59.95	
<i>For >50 To 75, Deduct</i>	-83.93	
<i>For >75 To 100, Deduct</i>	-119.90	
<i>For >100, Deduct</i>	-143.88	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	186.52	
23 81 43 00-0037 EA 12,000 BTU, 8.6 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12C33).....	1,245.77	48.39
<i>For >10 To 50, Deduct</i>	-57.45	
<i>For >50 To 75, Deduct</i>	-80.43	
<i>For >75 To 100, Deduct</i>	-114.90	
<i>For >100, Deduct</i>	-137.88	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	186.52	
23 81 46 Water-Source Unitary Heat Pumps <small>(23 81)</small>		
23 81 46 00-0001 Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pumps <small>(23 81 46)</small>		
Note: R410a. Includes rubber isolator hanger brackets. McQuay CCW Series.		
23 81 46 00-0002 EA 7 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	1,639.06	140.76
23 81 46 00-0003 EA 9 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	1,688.93	140.76
23 81 46 00-0004 EA 12 MBH, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	1,948.71	154.84
23 81 46 00-0005 EA 19 MBH, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	2,055.54	168.91
23 81 46 00-0006 EA 24 MBH, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	2,205.59	182.99
23 81 46 00-0007 EA 30 MBH, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	2,588.37	197.07
23 81 46 00-0008 EA 36 MBH, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	2,649.76	211.14
23 81 46 00-0009 EA 42 MBH, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	2,888.48	225.22
23 81 46 00-0010 EA 48 MBH, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	3,082.86	239.29
23 81 46 00-0011 EA 60 MBH, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	3,138.72	253.37
23 81 49 Split System Heat Pumps <small>(23 81)</small>		
23 81 49 00-0001 Split System Heat Pump <small>(23 81 49)</small>		
See CSI section 23 23 16 00-0001 for piping.		
23 81 49 00-0002 Air Cooled, Outdoor Section <small>(23 81 49 00-0001)</small>		
23 81 49 00-0003 EA 1.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	1,808.53	208.01
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For Low Ambient Protection, 0 Degree F, Add</i>	332.66	
<i>For Winterstart Control, Add</i>	91.25	
<i>For 16 SEER, Add</i>	433.07	
<i>For 18 SEER, Add</i>	657.07	
23 81 49 00-0004 EA 2 Ton, 14 SEER, Outdoor Heat Pump Unit.....	1,872.65	231.13
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For Low Ambient Protection, 0 Degree F, Add</i>	346.37	
<i>For Winterstart Control, Add</i>	95.92	
<i>For 16 SEER, Add</i>	441.51	
<i>For 18 SEER, Add</i>	669.88	
23 81 49 00-0005 EA 2.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	2,053.13	268.25
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For Low Ambient Protection, 0 Degree F, Add</i>	381.53	
<i>For Winterstart Control, Add</i>	106.50	
<i>For 16 SEER, Add</i>	477.60	
<i>For 18 SEER, Add</i>	724.64	
23 81 49 00-0006 EA 3 Ton, 14 SEER, Outdoor Heat Pump Unit.....	2,248.33	308.17
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For Low Ambient Protection, 0 Degree F, Add</i>	330.50	
<i>For Winterstart Control, Add</i>	117.95	
<i>For 16 SEER, Add</i>	516.60	
<i>For 18 SEER, Add</i>	783.81	
23 81 49 00-0007 EA 3.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	2,320.44	320.08
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For Low Ambient Protection, 0 Degree F, Add</i>	341.49	
<i>For Winterstart Control, Add</i>	121.91	
<i>For 16 SEER, Add</i>	532.32	
<i>For 18 SEER, Add</i>	807.65	
23 81 49 00-0008 EA 4 Ton, 14 SEER, Outdoor Heat Pump Unit.....	2,573.63	367.70
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For Low Ambient Protection, 0 Degree F, Add</i>	377.12	
<i>For Winterstart Control, Add</i>	134.46	
<i>For 16 SEER, Add</i>	594.02	
<i>For 18 SEER, Add</i>	901.27	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0009	EA		5 Ton, 14 SEER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i> <i>For 16 SEER, Add</i> <i>For 18 SEER, Add</i>	2,924.23 261.78 81.25 680.46 1,032.42	404.47
23 81 49 00-0010	EA		7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i>	5,866.52 422.35 116.73	451.60
23 81 49 00-0011	EA		10 Ton, 11.1 EER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i>	8,167.13 274.45 151.46	541.91
23 81 49 00-0012	EA		15 Ton, 10.9 EER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i>	10,795.27 305.86 189.05	632.23
23 81 49 00-0013	EA		20 Ton, 10.3 EER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i>	15,013.32 322.48 237.21	677.39
23 81 49 00-0014			Indoor Section, Horizontal - Upflow Including Throwaway Filters (23 81 49 00-0001)		
23 81 49 00-0015	EA		2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	1,002.78 93.34	69.03
23 81 49 00-0016	EA		2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	1,097.14 101.11	85.99
23 81 49 00-0017	EA		3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	1,133.22 102.92	103.87
23 81 49 00-0018	EA		3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	1,543.42 142.17	121.61
23 81 49 00-0019	EA		4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	1,574.50 143.72	137.09
23 81 49 00-0020	EA		5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	1,742.09 158.47	157.42
23 81 49 00-0021	EA		7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	3,784.56 352.65	258.06
23 81 49 00-0022	EA		10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	5,657.72 536.74	290.31
23 81 49 00-0023	EA		15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	8,010.42 768.79	322.57
23 81 49 00-0024	EA		20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat..... <i>For Additional 5 KW Electric Heat, Add</i>	9,086.65 869.95	387.08
23 81 49 00-0025			Ductless Split System Heat Pumps (23 81 49 00-0001) Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 00-0030 for accessories.		
23 81 49 00-0026			Wall Mounted Ductless Split System Heat Pumps (23 81 49 00-0025)		
23 81 49 00-0027	EA		9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	1,754.67	212.90
23 81 49 00-0028	EA		11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	1,937.47	232.25
23 81 49 00-0029	EA		17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,378.80	258.06
23 81 49 00-0030	EA		24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,744.46	283.86
23 81 49 00-0031	EA		25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,959.96	309.66
23 81 49 00-0032	EA		29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,614.36	322.57
23 81 49 00-0033	EA		31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,068.94	343.86
23 81 49 00-0034			Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps (23 81 49 00-0025) Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 49 00-0035	EA		7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	717.22	103.22
23 81 49 00-0036	EA		9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	755.39	109.68
23 81 49 00-0037	EA		11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	794.29	116.12
23 81 49 00-0038	EA		17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	910.31	122.58
23 81 49 00-0039	EA		24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	970.51	129.02
23 81 49 00-0040	EA		19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	2,255.80	154.84



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0041	EA	23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	2,684.69	167.74
23 81 49 00-0042	EA	30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	4,426.18	180.64
23 81 49 00-0043		Suspended Ceiling Mounted Ductless Split System Heat Pumps <small>(23 81 49 00-0025)</small> Note: Excludes hangers.		
23 81 49 00-0044	EA	24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,249.37	309.66
23 81 49 00-0045	EA	31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,155.92	369.66
23 81 49 00-0046	EA	39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,268.19	387.08
23 81 49 00-0047		Recessed Ceiling Mounted Ductless Split System Heat Pumps <small>(23 81 49 00-0025)</small> Note: Excludes hangers.		
23 81 49 00-0048	EA	11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,782.05	258.06
23 81 49 00-0049	EA	17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,158.00	283.86
23 81 49 00-0050	EA	24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,203.71	335.47
23 81 49 00-0051	EA	32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,862.11	369.66
23 81 49 00-0052	EA	39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,121.29	387.08
23 82		Convection Heating And Cooling Units <small>(23 80)</small>		
23 82 16		Air Coils <small>(23 82)</small>		
23 82 16 00-0001		Chilled Water Cooling Coils <small>(23 82 16)</small> Note: Flanged construction, 16 gauge galvanized steel casing.		
23 82 16 00-0002		2 Row Chilled Water Cooling Coils <small>(23 82 16 00-0001)</small>		
23 82 16 00-0003	EA	12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	792.40	35.19
23 82 16 00-0004	EA	12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	1,308.08	47.85
23 82 16 00-0005	EA	24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	1,768.30	75.31
23 82 16 00-0006	EA	24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,148.86	107.68
23 82 16 00-0007	EA	30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,293.94	132.31
23 82 16 00-0008	EA	30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,575.65	160.46
23 82 16 00-0009	EA	30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,770.10	185.80
23 82 16 00-0010	EA	30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,008.39	328.26
23 82 16 00-0011	EA	34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	1,823.05	124.79
23 82 16 00-0012	EA	34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,367.81	212.48
23 82 16 00-0013	EA	34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,653.07	263.93
23 82 16 00-0014	EA	34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,936.20	318.75
23 82 16 00-0015	EA	34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,218.54	371.19
23 82 16 00-0016		4 Row Chilled Water Cooling Coils <small>(23 82 16 00-0001)</small>		
23 82 16 00-0017	EA	12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	987.33	73.19
23 82 16 00-0018	EA	12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	1,583.23	105.57
23 82 16 00-0019	EA	24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,173.41	175.95
23 82 16 00-0020	EA	24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,679.12	261.11
23 82 16 00-0021	EA	30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,105.87	320.23
23 82 16 00-0022	EA	30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,696.42	391.32
23 82 16 00-0023	EA	30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,133.05	469.44

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0024 EA 30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,081.01	546.44
23 82 16 00-0025 EA 34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,517.24	235.85
23 82 16 00-0026 EA 34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,235.12	354.72
23 82 16 00-0027 EA 34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,600.59	439.88
23 82 16 00-0028 EA 34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,048.26	529.96
23 82 16 00-0029 EA 34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,458.05	619.56
23 82 16 00-0030 6 Row Chilled Water Cooling Coils (23 82 16 00-0001)		
23 82 16 00-0031 EA 12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,390.21	92.91
23 82 16 00-0032 EA 12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,649.15	137.95
23 82 16 00-0033 EA 24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,262.68	235.07
23 82 16 00-0034 EA 24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,085.78	351.90
23 82 16 00-0035 EA 30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,046.38	439.88
23 82 16 00-0036 EA 30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,613.70	541.23
23 82 16 00-0037 EA 30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,371.03	639.76
23 82 16 00-0038 EA 30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,168.85	745.54
23 82 16 00-0039 EA 34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,162.05	322.27
23 82 16 00-0040 EA 34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,075.23	483.38
23 82 16 00-0041 EA 34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,612.45	605.27
23 82 16 00-0042 EA 34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,132.05	727.10
23 82 16 00-0043 EA 34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,653.61	845.91
23 82 16 00-0044 8 Row Chilled Water Cooling Coils (23 82 16 00-0001)		
23 82 16 00-0045 EA 12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,736.68	111.90
23 82 16 00-0046 EA 12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,136.80	171.73
23 82 16 00-0047 EA 24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,204.15	306.16
23 82 16 00-0048 EA 24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,273.17	469.44
23 82 16 00-0049 EA 30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,138.29	586.97
23 82 16 00-0050 EA 30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,975.39	703.81
23 82 16 00-0051 EA 30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,860.39	781.93
23 82 16 00-0052 EA 30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,951.39	906.99
23 82 16 00-0053 EA 34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,617.75	392.72
23 82 16 00-0054 EA 34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,677.91	590.42
23 82 16 00-0055 EA 34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,301.39	735.48
23 82 16 00-0056 EA 34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,897.16	879.76
23 82 16 00-0057 EA 34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,527.05	1,035.02
23 82 16 00-0058 Direct Expansion Cooling Coils (23 82 16) Note: Flanged construction 16 gauge galvanized steel casing.		
23 82 16 00-0059 2 Row Direct Expansion Cooling Coils (23 82 16 00-0058)		
23 82 16 00-0060 EA 12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	671.90	52.79
For 10 Fins Per Inch, Add	11.32	
For 12 Fins Per Inch, Add	28.30	
23 82 16 00-0061 EA 12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,277.26	72.49
For 10 Fins Per Inch, Add	22.64	
For 12 Fins Per Inch, Add	56.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0062 EA 24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,768.30	114.02
For 10 Fins Per Inch, Add	30.83	
For 12 Fins Per Inch, Add	77.06	
23 82 16 00-0063 EA 24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,148.86	163.98
For 10 Fins Per Inch, Add	36.43	
For 12 Fins Per Inch, Add	91.08	
23 82 16 00-0064 EA 30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,503.92	200.58
For 10 Fins Per Inch, Add	42.03	
For 12 Fins Per Inch, Add	105.09	
23 82 16 00-0065 EA 30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,811.30	242.81
For 10 Fins Per Inch, Add	46.52	
For 12 Fins Per Inch, Add	116.30	
23 82 16 00-0066 EA 30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,225.25	281.52
For 10 Fins Per Inch, Add	53.24	
For 12 Fins Per Inch, Add	133.11	
23 82 16 00-0067 EA 30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,031.01	328.26
For 10 Fins Per Inch, Add	67.49	
For 12 Fins Per Inch, Add	168.72	
23 82 16 00-0068 EA 34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,546.92	124.79
For 10 Fins Per Inch, Add	25.95	
For 12 Fins Per Inch, Add	64.87	
23 82 16 00-0069 EA 34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,026.85	212.48
For 10 Fins Per Inch, Add	32.04	
For 12 Fins Per Inch, Add	80.09	
23 82 16 00-0070 EA 34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,532.80	318.75
For 10 Fins Per Inch, Add	37.91	
For 12 Fins Per Inch, Add	94.76	
23 82 16 00-0071 EA 34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,783.94	371.19
For 10 Fins Per Inch, Add	40.83	
For 12 Fins Per Inch, Add	102.08	
23 82 16 00-0072 4 Row Direct Expansion Cooling Coils <small>(23 82 16 00-0058)</small>		
23 82 16 00-0073 EA 12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,107.82	73.19
For 10 Fins Per Inch, Add	19.22	
For 12 Fins Per Inch, Add	48.06	
23 82 16 00-0074 EA 12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,583.23	105.57
For 10 Fins Per Inch, Add	27.46	
For 12 Fins Per Inch, Add	68.66	
23 82 16 00-0075 EA 24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,173.41	175.95
For 10 Fins Per Inch, Add	36.43	
For 12 Fins Per Inch, Add	91.08	
23 82 16 00-0076 EA 24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,679.12	261.11
For 10 Fins Per Inch, Add	43.16	
For 12 Fins Per Inch, Add	107.89	
23 82 16 00-0077 EA 30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,105.87	320.23
For 10 Fins Per Inch, Add	49.32	
For 12 Fins Per Inch, Add	123.30	
23 82 16 00-0078 EA 30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,696.42	391.32
For 10 Fins Per Inch, Add	58.29	
For 12 Fins Per Inch, Add	145.72	
23 82 16 00-0079 EA 30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,133.05	469.44
For 10 Fins Per Inch, Add	63.89	
For 12 Fins Per Inch, Add	159.73	
23 82 16 00-0080 EA 30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,081.01	546.44
For 10 Fins Per Inch, Add	59.76	
For 12 Fins Per Inch, Add	149.41	
23 82 16 00-0081 EA 34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,517.24	235.85
For 10 Fins Per Inch, Add	40.91	
For 12 Fins Per Inch, Add	102.28	
23 82 16 00-0082 EA 34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,235.12	354.72
For 10 Fins Per Inch, Add	50.51	
For 12 Fins Per Inch, Add	126.28	
23 82 16 00-0083 EA 34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,928.25	623.93
For 10 Fins Per Inch, Add	73.61	
For 12 Fins Per Inch, Add	184.02	
23 82 16 00-0084 EA 34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,648.84	727.10
For 10 Fins Per Inch, Add	83.89	
For 12 Fins Per Inch, Add	209.73	
23 82 16 00-0085 6 Row Direct Expansion Cooling Coils <small>(23 82 16 00-0058)</small>		
23 82 16 00-0086 EA 12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,418.23	92.20
For 10 Fins Per Inch, Add	24.66	
For 12 Fins Per Inch, Add	61.65	
23 82 16 00-0087 EA 12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,649.15	137.95
For 10 Fins Per Inch, Add	27.46	
For 12 Fins Per Inch, Add	68.66	
23 82 16 00-0088 EA 24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,402.80	235.07
For 10 Fins Per Inch, Add	38.67	
For 12 Fins Per Inch, Add	96.68	
23 82 16 00-0089 EA 24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,085.78	351.90
For 10 Fins Per Inch, Add	47.64	
For 12 Fins Per Inch, Add	119.10	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0090 EA 30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,046.38	439.88
For 10 Fins Per Inch, Add	63.33	
For 12 Fins Per Inch, Add	158.33	
23 82 16 00-0091 EA 30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,613.70	541.23
For 10 Fins Per Inch, Add	70.62	
For 12 Fins Per Inch, Add	176.55	
23 82 16 00-0092 EA 30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,371.03	639.76
For 10 Fins Per Inch, Add	81.83	
For 12 Fins Per Inch, Add	204.57	
23 82 16 00-0093 EA 30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,168.85	745.54
For 10 Fins Per Inch, Add	73.55	
For 12 Fins Per Inch, Add	183.89	
23 82 16 00-0094 EA 34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,162.05	322.27
For 10 Fins Per Inch, Add	50.35	
For 12 Fins Per Inch, Add	125.88	
23 82 16 00-0095 EA 34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,075.23	483.38
For 10 Fins Per Inch, Add	62.17	
For 12 Fins Per Inch, Add	155.42	
23 82 16 00-0096 EA 34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,120.13	721.12
For 10 Fins Per Inch, Add	73.56	
For 12 Fins Per Inch, Add	183.90	
23 82 16 00-0097 EA 34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,653.61	845.91
For 10 Fins Per Inch, Add	79.24	
For 12 Fins Per Inch, Add	198.09	
23 82 16 00-0098 8 Row Direct Expansion Cooling Coils (23 82 16 00-0058)		
23 82 16 00-0099 EA 12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,764.70	111.20
For 10 Fins Per Inch, Add	30.83	
For 12 Fins Per Inch, Add	77.06	
23 82 16 00-0100 EA 12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,136.80	171.73
For 10 Fins Per Inch, Add	35.87	
For 12 Fins Per Inch, Add	89.67	
23 82 16 00-0101 EA 24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,204.15	306.16
For 10 Fins Per Inch, Add	51.84	
For 12 Fins Per Inch, Add	129.61	
23 82 16 00-0102 EA 24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,273.17	469.44
For 10 Fins Per Inch, Add	66.70	
For 12 Fins Per Inch, Add	166.74	
23 82 16 00-0103 EA 30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,138.29	586.97
For 10 Fins Per Inch, Add	79.31	
For 12 Fins Per Inch, Add	198.26	
23 82 16 00-0104 EA 30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,975.39	703.81
For 10 Fins Per Inch, Add	91.36	
For 12 Fins Per Inch, Add	228.39	
23 82 16 00-0105 EA 30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,860.39	781.93
For 10 Fins Per Inch, Add	105.93	
For 12 Fins Per Inch, Add	264.82	
23 82 16 00-0106 EA 30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,951.39	906.99
For 10 Fins Per Inch, Add	82.75	
For 12 Fins Per Inch, Add	206.87	
23 82 16 00-0107 EA 34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,617.75	392.72
For 10 Fins Per Inch, Add	56.65	
For 12 Fins Per Inch, Add	141.61	
23 82 16 00-0108 EA 34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,677.91	590.42
For 10 Fins Per Inch, Add	69.94	
For 12 Fins Per Inch, Add	174.85	
23 82 16 00-0109 EA 34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,914.93	888.62
For 10 Fins Per Inch, Add	82.75	
For 12 Fins Per Inch, Add	206.88	
23 82 16 00-0110 EA 34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,527.05	1,035.02
For 10 Fins Per Inch, Add	89.14	
For 12 Fins Per Inch, Add	222.85	
23 82 16 00-0111 Hot Water Heating Coils (23 82 16)		
Note: Flanged construction.		
23 82 16 00-0112 1 Row Hot Water Heating Coils (23 82 16 00-0111)		
23 82 16 00-0113 EA 12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction.....	806.73	95.01
For 10 Fins Per Inch, Add	12.33	
For 12 Fins Per Inch, Add	30.83	
For 230 PSIG Heavy Duty, Add	180.37	
23 82 16 00-0114 EA 12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,195.48	121.75
For 10 Fins Per Inch, Add	19.06	
For 12 Fins Per Inch, Add	47.64	
For 230 PSIG Heavy Duty, Add	263.37	
23 82 16 00-0115 EA 24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,456.08	167.50
For 10 Fins Per Inch, Add	22.42	
For 12 Fins Per Inch, Add	56.05	
For 230 PSIG Heavy Duty, Add	324.73	
23 82 16 00-0116 EA 24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,730.24	235.07
For 10 Fins Per Inch, Add	25.22	
For 12 Fins Per Inch, Add	63.05	
For 230 PSIG Heavy Duty, Add	392.97	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Decentralized Unitary HVAC Equipment	23 80
Convection Heating And Cooling Units	23 82

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0117 EA 30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,964.21	281.52
<i>For 10 Fins Per Inch, Add</i>	28.02	
<i>For 12 Fins Per Inch, Add</i>	70.06	
<i>For 230 PSIG Heavy Duty, Add</i>	449.15	
23 82 16 00-0118 EA 30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,301.13	351.90
<i>For 10 Fins Per Inch, Add</i>	31.95	
<i>For 12 Fins Per Inch, Add</i>	79.87	
<i>For 230 PSIG Heavy Duty, Add</i>	530.61	
23 82 16 00-0119 EA 30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,575.49	390.61
<i>For 10 Fins Per Inch, Add</i>	35.87	
<i>For 12 Fins Per Inch, Add</i>	89.67	
<i>For 230 PSIG Heavy Duty, Add</i>	593.30	
23 82 16 00-0120 EA 30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,184.99	454.17
<i>For 10 Fins Per Inch, Add</i>	45.47	
<i>For 12 Fins Per Inch, Add</i>	113.67	
<i>For 230 PSIG Heavy Duty, Add</i>	728.17	
23 82 16 00-0121 EA 34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,375.14	196.78
<i>For 10 Fins Per Inch, Add</i>	19.63	
<i>For 12 Fins Per Inch, Add</i>	49.08	
<i>For 230 PSIG Heavy Duty, Add</i>	314.39	
23 82 16 00-0122 EA 34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,062.69	295.25
<i>For 10 Fins Per Inch, Add</i>	29.45	
<i>For 12 Fins Per Inch, Add</i>	73.61	
<i>For 230 PSIG Heavy Duty, Add</i>	471.58	
23 82 16 00-0123 EA 34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,101.55	446.56
<i>For 10 Fins Per Inch, Add</i>	44.17	
<i>For 12 Fins Per Inch, Add</i>	110.42	
<i>For 230 PSIG Heavy Duty, Add</i>	709.63	
23 82 16 00-0124 EA 34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,611.44	517.51
<i>For 10 Fins Per Inch, Add</i>	51.53	
<i>For 12 Fins Per Inch, Add</i>	128.82	
<i>For 230 PSIG Heavy Duty, Add</i>	825.79	
23 82 16 00-0125 SF >15 SF Hot Water Heating Coil, 1 Row, Flanged Construction	164.91	26.04
<i>For 10 Fins Per Inch, Add</i>	2.26	
<i>For 12 Fins Per Inch, Add</i>	5.64	
<i>For 230 PSIG Heavy Duty, Add</i>	38.19	
23 82 16 00-0126 2 Row Hot Water Heating Coils <small>(23 82 16 00-0111)</small>		
23 82 16 00-0127 EA 12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,299.49	117.54
<i>For 10 Fins Per Inch, Add</i>	21.30	
<i>For 12 Fins Per Inch, Add</i>	53.24	
<i>For 230 PSIG Heavy Duty, Add</i>	283.36	
23 82 16 00-0128 EA 12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,405.70	156.25
<i>For 10 Fins Per Inch, Add</i>	21.86	
<i>For 12 Fins Per Inch, Add</i>	54.65	
<i>For 230 PSIG Heavy Duty, Add</i>	312.42	
23 82 16 00-0129 EA 24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,898.38	235.07
<i>For 10 Fins Per Inch, Add</i>	28.58	
<i>For 12 Fins Per Inch, Add</i>	71.46	
<i>For 230 PSIG Heavy Duty, Add</i>	426.60	
23 82 16 00-0130 EA 24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,295.63	335.01
<i>For 10 Fins Per Inch, Add</i>	32.51	
<i>For 12 Fins Per Inch, Add</i>	81.27	
<i>For 230 PSIG Heavy Duty, Add</i>	526.16	
23 82 16 00-0131 EA 30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,649.52	413.83
<i>For 10 Fins Per Inch, Add</i>	36.43	
<i>For 12 Fins Per Inch, Add</i>	91.08	
<i>For 230 PSIG Heavy Duty, Add</i>	612.71	
23 82 16 00-0132 EA 30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,826.95	502.52
<i>For 10 Fins Per Inch, Add</i>	36.43	
<i>For 12 Fins Per Inch, Add</i>	91.08	
<i>For 230 PSIG Heavy Duty, Add</i>	665.93	
23 82 16 00-0133 EA 30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,190.68	586.97
<i>For 10 Fins Per Inch, Add</i>	40.35	
<i>For 12 Fins Per Inch, Add</i>	100.88	
<i>For 230 PSIG Heavy Duty, Add</i>	755.44	
23 82 16 00-0134 EA 30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,921.45	681.99
<i>For 10 Fins Per Inch, Add</i>	51.15	
<i>For 12 Fins Per Inch, Add</i>	127.87	
<i>For 230 PSIG Heavy Duty, Add</i>	920.69	
23 82 16 00-0135 EA 34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,692.65	294.26
<i>For 10 Fins Per Inch, Add</i>	22.08	
<i>For 12 Fins Per Inch, Add</i>	55.21	
<i>For 230 PSIG Heavy Duty, Add</i>	397.38	
23 82 16 00-0136 EA 34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,540.45	442.06
<i>For 10 Fins Per Inch, Add</i>	33.13	
<i>For 12 Fins Per Inch, Add</i>	82.81	
<i>For 230 PSIG Heavy Duty, Add</i>	596.51	
23 82 16 00-0137 EA 34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,817.38	666.51
<i>For 10 Fins Per Inch, Add</i>	49.69	
<i>For 12 Fins Per Inch, Add</i>	124.22	
<i>For 230 PSIG Heavy Duty, Add</i>	896.77	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0138 EA 34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,455.60	778.55
For 10 Fins Per Inch, Add	57.97	
For 12 Fins Per Inch, Add	144.93	
For 230 PSIG Heavy Duty, Add	1,046.83	
23 82 16 00-0139 Steam Heating Coils (23 82 16)		
Note: Flanged construction.		
23 82 16 00-0140 EA 12" x 12" Steam Heating Coils, 1 Row Flanged Construction.....	916.21	66.16
For 2 Row Coil, Add	301.18	
For 4 Row Coil, Add	789.54	
23 82 16 00-0141 EA 12" x 24" Steam Heating Coils, 1 Row Flanged Construction.....	1,023.51	91.49
For 2 Row Coil, Add	343.62	
For 4 Row Coil, Add	897.42	
23 82 16 00-0142 EA 24" x 30" Steam Heating Coils, 1 Row Flanged Construction.....	1,364.21	163.98
For 2 Row Coil, Add	474.73	
For 4 Row Coil, Add	1,232.13	
23 82 16 00-0143 EA 24" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	1,730.24	235.07
For 2 Row Coil, Add	612.91	
For 4 Row Coil, Add	1,585.95	
23 82 16 00-0144 EA 30" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	1,936.19	281.52
For 2 Row Coil, Add	693.47	
For 4 Row Coil, Add	1,791.06	
23 82 16 00-0145 EA 30" x 60" Steam Heating Coils, 1 Row Flanged Construction.....	2,189.04	351.90
For 2 Row Coil, Add	797.47	
For 4 Row Coil, Add	2,053.87	
23 82 16 00-0146 EA 30" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	2,407.35	390.61
For 2 Row Coil, Add	878.61	
For 4 Row Coil, Add	2,262.14	
23 82 16 00-0147 EA 30" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	2,971.86	455.85
For 2 Row Coil, Add	1,073.89	
For 4 Row Coil, Add	2,769.51	
23 82 16 00-0148 EA 34" x 32" Steam Heating Coils, 1 Row Flanged Construction.....	1,283.11	196.78
For 2 Row Coil, Add	463.66	
For 4 Row Coil, Add	1,195.75	
23 82 16 00-0149 EA 34" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	1,924.67	295.25
For 2 Row Coil, Add	695.49	
For 4 Row Coil, Add	1,793.63	
23 82 16 00-0150 EA 34" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	2,885.51	442.06
For 2 Row Coil, Add	1,042.49	
For 4 Row Coil, Add	2,688.61	
23 82 16 00-0151 EA 34" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	3,369.90	517.51
For 2 Row Coil, Add	1,217.97	
For 4 Row Coil, Add	3,140.97	
23 82 16 00-0152 Hot Water Preheat Coils For Multi-Zone Air Handling Units (23 82 16)		
Note: 2 Row coils. Coils are sized by air handling unit capacity.		
23 82 16 00-0153 EA 3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,055.31	89.39
23 82 16 00-0154 EA 4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,346.75	88.68
23 82 16 00-0155 EA 5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,650.23	95.01
23 82 16 00-0156 EA 6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,916.41	103.46
23 82 16 00-0157 EA 7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,925.97	108.38
23 82 16 00-0158 EA 9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,328.77	114.02
23 82 16 00-0159 EA 11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,413.71	128.10
23 82 16 00-0160 EA 13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,669.24	143.57
23 82 16 00-0161 EA 16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,005.52	171.73
23 82 16 00-0162 EA 19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,275.34	180.18
23 82 16 00-0163 EA 22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	4,191.59	190.73
23 82 16 00-0164 EA 27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	5,341.33	261.11
23 82 16 00-0165 EA 34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	6,709.65	320.23
23 82 16 00-0166 EA 40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	7,811.01	335.01
23 82 16 00-0167 EA 47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	9,174.95	390.61
23 82 19 Fan Coil Units (23 82)		
23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units (23 82 19)		
Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.		
23 82 19 00-0002 Horizontal Fan Coil Units With Electric Heating Coil (23 82 19 00-0001)		
23 82 19 00-0003 EA 200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,130.20	114.02
23 82 19 00-0004 EA 300 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,245.33	133.02
23 82 19 00-0005 EA 400 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,379.36	149.91
23 82 19 00-0006 EA 600 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,599.90	171.73
23 82 19 00-0007 EA 800 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,794.22	180.18
For 2-Way Valve Instead Of 3-Way, Deduct	-92.07	
23 82 19 00-0008 EA 1,000 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,442.01	190.73
For 2-Way Valve Instead Of 3-Way, Deduct	-93.53	
23 82 19 00-0009 EA 1,200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,966.44	206.92
For 2-Way Valve Instead Of 3-Way, Deduct	-96.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0010 Horizontal Fan Coil Units With Hot Water Heating Coil <small>(23 82 19 00-0001)</small>		
23 82 19 00-0011 EA 200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	624.62	114.02
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-46.35	
23 82 19 00-0012 EA 300 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	760.37	133.02
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-48.28	
23 82 19 00-0013 EA 400 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	902.26	149.91
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-49.97	
23 82 19 00-0014 EA 600 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,717.70	171.73
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-52.17	
23 82 19 00-0015 EA 800 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,931.65	180.88
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-92.07	
23 82 19 00-0016 EA 1,000 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,638.36	190.73
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-93.53	
23 82 19 00-0017 EA 1,200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,339.48	206.92
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-96.05	
23 82 19 00-0018 Floor Mounted Vertical Fan Coil Units <small>(23 82 19)</small>		
Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.		
23 82 19 00-0019 Vertical Fan Coil Units With Hot Water Heating Coil <small>(23 82 19 00-0018)</small>		
23 82 19 00-0020 EA 200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,208.73	113.31
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-158.61	
<i>For Thru-Wall Sleeve, Add</i>	100.41	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-46.35	
23 82 19 00-0021 EA 300 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,365.10	133.02
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-178.21	
<i>For Thru-Wall Sleeve, Add</i>	108.12	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-48.28	
23 82 19 00-0022 EA 400 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,673.87	149.91
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-221.13	
<i>For Thru-Wall Sleeve, Add</i>	114.90	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-49.97	
23 82 19 00-0023 EA 600 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,914.04	171.73
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-252.77	
<i>For Thru-Wall Sleeve, Add</i>	123.66	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-52.17	
23 82 19 00-0024 EA 800 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,127.99	180.88
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-283.11	
<i>For Thru-Wall Sleeve, Add</i>	127.19	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-92.07	
23 82 19 00-0025 EA 1,000 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,540.18	190.73
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-342.98	
<i>For Thru-Wall Sleeve, Add</i>	131.09	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-93.53	
23 82 19 00-0026 EA 1,200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,966.44	206.92
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-403.57	
<i>For Thru-Wall Sleeve, Add</i>	137.80	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-96.05	
23 82 19 00-0027 Removal And Reinstallation Of Fan Coil Units <small>(23 82 19)</small>		
Note: Includes storage and cleaning. Excludes supports.		
23 82 19 00-0028 EA Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical.....	299.24	
23 82 39 Unit Heaters <small>(23 82)</small>		
23 82 39 13 Cabinet Unit Heaters <small>(23 82 39)</small>		
23 82 39 13-0001 Removal and Reinstallation of Cabinet Unit Heaters <small>(23 82 39 13)</small>		
Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0002 EA Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall.....	193.55	
23 82 39 13-0003 EA Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall.....	334.32	
23 82 39 13-0004 EA Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling.....	399.06	
23 82 39 13-0005 EA Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling.....	539.82	
23 82 39 16 Propeller Unit Heaters <small>(23 82 39)</small>		
23 82 39 16-0001 Removal and Reinstallation of Propeller Unit Heaters <small>(23 82 39 16)</small>		
Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 16-0002 EA Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	422.28	
23 82 39 16-0003 EA Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	563.05	
23 82 39 19 Wall and Ceiling Unit Heaters <small>(23 82 39)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 19-0001 Removal And Reinstallation Of Electric Unit Heaters ^(23 82 39 19) Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 19-0002 EA Removal And Reinstallation Of Up To 15KW Electric Unit Heater.....	253.39	
23 82 39 19-0003 EA Removal And Reinstallation Of >15 KW Electric Unit Heater.....	520.88	
23 84 Humidity Control Equipment ^(23 80)		
23 84 13 Humidifiers ^(23 84)		
23 84 13 00-0001 Steam Type Pneumatically Controlled ^(23 84 13) Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.		
23 84 13 00-0002 EA 3-191 LB/Hour Steam Humidifier, 24" Manifold, Pneumatic Controls	1,090.14	185.80
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	336.43	
23 84 13 00-0003 EA 3-191 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	1,090.14	185.80
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	336.43	
23 84 13 00-0004 EA 65-334 LB/Hour Steam Humidifier, 36" Manifold, Pneumatic Controls	1,549.86	185.80
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	474.34	
23 84 13 00-0005 EA 65-334 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	1,620.24	232.26
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	497.80	
23 84 13 00-0006 EA 100-690 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	2,305.78	185.80
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	701.12	
23 84 13 00-0007 EA 100-690 LB/Hour Steam Humidifier, 84" Manifold, Pneumatic Controls	2,376.16	232.26
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	724.58	
23 84 13 00-0008 EA 220-2,000 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	3,557.29	232.26
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	1,078.92	
23 84 13 00-0009 EA 220-2,000 LB/Hour Steam Humidifier, 144" Manifold, Pneumatic Controls	3,645.27	290.67
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	1,108.24	
23 84 13 00-0010 Residential Humidifiers ^(23 84 13) Note: Includes solenoid valve and flow through water supply.		
23 84 13 00-0011 EA Duct Or Furnace Mounted Humidifier, Residential Type.....	322.47	35.19

END OF SECTION 23



Integrated Automation	25	25
Integrated Automation Facility Controls	25 50	
Integrated Automation Control Of HVAC	25 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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25 Integrated Automation

25 50 Integrated Automation Facility Controls ⁽²⁵⁾

25 55 Integrated Automation Control Of HVAC ^(25 50)
 See CSI section 23 09 00 00-0000 for Instrumentation And Control For HVAC.

END OF SECTION 25

25 Integrated Automation

25 50 Integrated Automation Facility Controls

25 55 Integrated Automation Control Of HVAC



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels.

26 01 Operation and Maintenance of Electrical Systems ⁽²⁶⁾

26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution ^(26 01)

26 01 10 91 Medium-Voltage Electrical Distribution Restoration ^(26 01 10)

26 01 10 91-0001 Switchgear Maintenance ^(26 01 10 91)
See CSI section 01 22 20 00-0043 for Electrical and Field Engineering Services.

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution ^(26 01)

26 01 20 91 Low-Voltage Electrical Distribution Restoration ^(26 01 20)

26 01 20 91-0001 Lock Out/Tag Out Devices ^(26 01 20 91)		
Note: Includes the installation and removal of device lock, pad lock and identifying markers. Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.		
26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect 17.57
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter 17.57
26 01 20 91-0004	EA	Lock Out/Tag Out Tags 2.21
26 01 20 91-0005 Existing Circuit Tracing ^(26 01 20 91)		
26 01 20 91-0006	EA	Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device 14.62
26 01 20 91-0007	EA	Lighting, Existing Circuit Tracing Per Circuit 14.62

26 01 30 Operation And Maintenance Of Facility Electrical Power Generating And Storing Equipment ^(26 01)

26 01 30 91 Facility Electrical Power Generating And Storing Equipment Restoration ^(26 01 30)

26 01 30 91-0001 Emergency Generator Permits ^(26 01 30 91)		
26 01 30 91-0002 Air Pollution Control Board ^(26 01 30 91-0001)		
26 01 30 91-0003	EA	APCD Permit To Construct And Operate Emergency Generator 2,452.66

26 01 50 Operation and Maintenance of Lighting ^(26 01)

26 01 50 51 Luminaire Relamping ^(26 01 50)

26 01 50 51-0001 Replace Lamps In Existing Fixtures ^(26 01 50 51)		
Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps. See CSI section 26 01 50 51-0128 for disposal of hazardous lamps.		
26 01 50 51-0002 Halogen Lamps ^(26 01 50 51-0001)		
26 01 50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp 41.85
26 01 50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp 55.03
26 01 50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp 83.65
26 01 50 51-0006	EA	60 Watt, PAR38, Halogen Lamp 18.42
26 01 50 51-0007	EA	75 Watt, PAR38, Halogen Lamp 18.42
26 01 50 51-0008	EA	90 Watt, PAR38, Halogen Lamp 17.25
26 01 50 51-0009	EA	100 Watt, PAR38, Halogen Lamp 17.25
26 01 50 51-0010 Exit Light Lamps ^(26 01 50 51-0001)		
26 01 50 51-0011	EA	Convert Exit Light Lamps To Red LED Lamps 73.81
For Green LED Lamps, Add 25.00		
26 01 50 51-0012	EA	Fluorescent Lamp For Exit Light 21.44
For Multiple Lamps In Fixture, Deduct -4.64		
26 01 50 51-0013	EA	Lamp Replacement For Emergency Lights On Exit Sign 33.76
For Multiple Lamps In Fixture, Deduct -2.32		
26 01 50 51-0014 Fluorescent Lamps ^(26 01 50 51-0001)		
26 01 50 51-0015	EA	18", 15 Watt, T8 Fluorescent Lamp 7.16
For Multiple Lamps In Fixture, Deduct -1.86		
26 01 50 51-0016	EA	2', 17 Watt, T8 Fluorescent Lamp 8.49
For Multiple Lamps In Fixture, Deduct -1.86		
26 01 50 51-0017	EA	3', 25 Watt, T8 Fluorescent Lamp 9.74
For Multiple Lamps In Fixture, Deduct -2.09		

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0018 EA 4', 28 Watt, Rapid Start T8 Fluorescent Lamp	12.92	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.09	
26 01 50 51-0019 EA 4', 32 Watt, T8 Fluorescent Lamp	8.88	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.09	
26 01 50 51-0020 EA 4', 30 Watt, T8 Fluorescent Lamp	12.02	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.09	
26 01 50 51-0021 EA 4', 28 Watt, T8 Fluorescent Lamp	10.63	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.09	
26 01 50 51-0022 EA 4', 25 Watt, T8 Fluorescent Lamp	10.57	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.09	
26 01 50 51-0023 EA 4', 30 Watt, T8 Fluorescent Lamp, 36K Hours, 2850 Lumens.....	12.02	
Note: CEE listed.		
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.09	
26 01 50 51-0024 EA 4', 28 Watt, T8 Fluorescent Lamp, 35K Hours, 2600 Lumens.....	10.63	
Note: CEE listed.		
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.09	
26 01 50 51-0025 EA 4', 25 Watt, T8 Fluorescent Lamp, 32K Hours, 2400 Lumens.....	10.57	
Note: CEE listed.		
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.09	
26 01 50 51-0026 EA 4', 44 Watt, T8HO Fluorescent Lamp, 18K Hours, 3600 Lumens	16.57	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.09	
26 01 50 51-0027 EA 4', 44 Watt, T8HO Fluorescent Lamp	16.57	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.09	
26 01 50 51-0028 EA 8', 59 Watt, T8 Fluorescent Lamp	12.81	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.09	
26 01 50 51-0029 EA 18", 15 Watt, T12 Fluorescent Lamp	10.51	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.86	
26 01 50 51-0030 EA 2', 20 Watt, T12 Fluorescent Lamp	8.11	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.86	
26 01 50 51-0031 EA 3', 30 Watt, T12 Fluorescent Lamp	9.11	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.09	
26 01 50 51-0032 EA 4', 34 Watt, T12 Fluorescent Lamp	9.15	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.09	
26 01 50 51-0033 EA 4', 40 Watt, T12 Fluorescent Lamp	8.97	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.09	
26 01 50 51-0034 EA 8', 60 Watt, T12 Fluorescent Lamp	13.11	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.09	
26 01 50 51-0035 EA 8', 75 Watt, T12 Fluorescent Lamp	11.18	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.09	
26 01 50 51-0036 EA 8', 95 Watt, Instant Start T12 Fluorescent Lamp.....	18.45	
26 01 50 51-0037 EA 6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp.....	10.63	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.86	
26 01 50 51-0038 EA 8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp.....	8.85	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.86	
26 01 50 51-0039 EA 12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp.....	8.58	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.86	
26 01 50 51-0040 EA 16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp.....	9.43	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.86	
26 01 50 51-0041 EA 32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp.....	15.32	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.32	
26 01 50 51-0042 EA 40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp.....	14.80	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.32	
26 01 50 51-0043 EA 6", 4 Watt, T5 Fluorescent Lamp	7.88	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.86	
26 01 50 51-0044 EA 9", 6 Watt, T5 Fluorescent Lamp	7.76	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.86	
26 01 50 51-0045 EA 12", 8 Watt, T5 Fluorescent Lamp	7.99	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.86	
26 01 50 51-0046 EA 21", 13 Watt, T5 Fluorescent Lamp	8.33	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.86	
26 01 50 51-0047 EA 24", 14 Watt, T5 Fluorescent Lamp	9.50	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.86	
26 01 50 51-0048 EA 34", 21 Watt, T5 Fluorescent Lamp	10.36	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.09	
26 01 50 51-0049 EA 46", 28 Watt, T5 Fluorescent Lamp	10.05	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.09	
26 01 50 51-0050 EA 46", 54 Watt T5HO Fluorescent Lamp	10.93	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.09	
26 01 50 51-0051 EA 46", 54 Watt T5 Fluorescent Lamp	12.17	
26 01 50 51-0052 EA 5-13 Watt, 2-Pin Compact Fluorescent Lamp	6.13	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.16	
26 01 50 51-0053 EA 9-26 Watt, 4-Pin Compact Fluorescent Lamp	6.74	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.16	
26 01 50 51-0054 EA 27-55 Watt, 4-Pin Compact Fluorescent Lamp	13.46	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.16	
26 01 50 51-0055 EA Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux	17.65	
26 01 50 51-0056 EA Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux	17.65	
26 01 50 51-0057 EA 32 Watt 2D (DoubleD) Fluorescent Lamp, 4-Pin.....	32.51	
26 01 50 51-0058 EA 26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp	12.03	

26 01 50 51-0059 Mercury Vapor Lamps (26 01 50 51-0001)

26 01 50 51-0060 EA 100 Watt, Mercury Vapor Lamp	25.83	
26 01 50 51-0061 EA 175 Watt, Mercury Vapor Lamp	23.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0062 EA 250 Watt, Mercury Vapor Lamp	22.39	
26 01 50 51-0063 EA 400 Watt, Mercury Vapor Lamp	27.25	
26 01 50 51-0064 EA 1,000 Watt, Mercury Vapor Lamp	46.81	
26 01 50 51-0065 Metal Halide Lamps (26 01 50 51-0001)		
26 01 50 51-0066 EA 50 Watt, Pulse Start Metal Halide Lamp	24.74	
26 01 50 51-0067 EA 70 Watt, Pulse Start Metal Halide Lamp	24.74	
26 01 50 51-0068 EA 100 Watt, Pulse Start Metal Halide Lamp	28.39	
26 01 50 51-0069 EA 150 Watt, Pulse Start Metal Halide Lamp	31.39	
26 01 50 51-0070 EA 175 Watt, Probe Start Metal Halide Lamp	24.56	
26 01 50 51-0071 EA 175 Watt, Pulse Start Metal Halide Lamp	35.95	
26 01 50 51-0072 EA 250 Watt, Probe Start Metal Halide Lamp	24.08	
26 01 50 51-0073 EA 250 Watt, Pulse Start Metal Halide Lamp	26.85	
26 01 50 51-0074 EA 400 Watt, Probe Start Metal Halide Lamp	28.96	
26 01 50 51-0075 EA 400 Watt, Pulse Start Metal Halide Lamp	29.77	
26 01 50 51-0076 EA 1,000 Watt, Probe Start Metal Halide Lamp	30.67	
26 01 50 51-0077 EA 1,000 Watt, Pulse Start Metal Halide Lamp	44.68	
26 01 50 51-0078 EA 1,500 Watt, Probe Start Metal Halide Lamp	39.26	
26 01 50 51-0079 High Pressure Sodium Lamps (26 01 50 51-0001)		
26 01 50 51-0080 EA 35 Watt, High Pressure Sodium Lamp	21.94	
For Enclosed And Gasket Light Fixtures, Add	1.79	
26 01 50 51-0081 EA 50 Watt, High Pressure Sodium Lamp	21.94	
For Enclosed And Gasket Light Fixtures, Add	1.79	
26 01 50 51-0082 EA 70 Watt, High Pressure Sodium Lamp	22.40	
For Enclosed And Gasket Light Fixtures, Add	1.79	
26 01 50 51-0083 EA 100 Watt, High Pressure Sodium Lamp	23.28	
For Enclosed And Gasket Light Fixtures, Add	1.79	
26 01 50 51-0084 EA 150 Watt, High Pressure Sodium Lamp	22.40	
For Enclosed And Gasket Light Fixtures, Add	1.79	
26 01 50 51-0085 EA 250 Watt, High Pressure Sodium Lamp	22.40	
For Enclosed And Gasket Light Fixtures, Add	1.79	
26 01 50 51-0086 EA 400 Watt, High Pressure Sodium Lamp	21.09	
For Enclosed And Gasket Light Fixtures, Add	1.79	
26 01 50 51-0087 EA 1,000 Watt, High Pressure Sodium Lamp	47.42	
26 01 50 51-0088 Low Pressure Sodium Lamps (26 01 50 51-0001)		
26 01 50 51-0089 EA 35 Watt, Low Pressure Sodium Lamp	54.26	
26 01 50 51-0090 EA 55 Watt, Low Pressure Sodium Lamp	60.41	
26 01 50 51-0091 EA 70 Watt, Low Pressure Sodium Lamp	61.79	
26 01 50 51-0092 EA 90 Watt, Low Pressure Sodium Lamp	63.18	
26 01 50 51-0093 EA 135 Watt, Low Pressure Sodium Lamp	68.72	
26 01 50 51-0094 EA 180 Watt, Low Pressure Sodium Lamp	93.66	
26 01 50 51-0095 LED Lamps (26 01 50 51-0001)		
26 01 50 51-0096 EA 3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	9.21	
26 01 50 51-0097 EA 6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	12.19	
26 01 50 51-0098 EA 11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	12.19	
26 01 50 51-0099 EA 14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	20.19	
26 01 50 51-0100 EA 17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	14.21	
26 01 50 51-0101 EA 18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	25.19	
26 01 50 51-0102 EA 9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	16.51	
26 01 50 51-0103 EA 14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	14.82	
26 01 50 51-0104 EA 11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	19.31	
26 01 50 51-0105 EA 14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	16.32	
26 01 50 51-0106 EA 14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	21.31	
26 01 50 51-0107 EA 18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	16.32	
26 01 50 51-0108 EA 7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star)	18.11	
26 01 50 51-0109 EA 12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star)	24.32	
26 01 50 51-0110 EA 16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	24.32	
26 01 50 51-0111 EA 15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	23.32	
26 01 50 51-0112 EA 12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	22.32	
26 01 50 51-0113 EA 15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	22.32	
26 01 50 51-0114 EA 18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	42.52	
26 01 50 51-0115 EA 15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	24.32	
26 01 50 51-0116 EA 18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	23.32	
26 01 50 51-0117 EA 19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star)	24.32	
26 01 50 51-0118 EA 24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	24.32	
26 01 50 51-0119 EA 4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star)	12.82	
26 01 50 51-0120 EA 6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star)	16.51	
26 01 50 51-0121 EA 8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star)	18.11	
26 01 50 51-0122 LED Tubes (Fluorescent Lamp Replacement) (26 01 50 51-0001)		
26 01 50 51-0123 EA 2', 1,250 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K)	21.64	
For Multiple Lamps In Fixture, Deduct	-1.86	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0124 EA 2', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K).....	27.94	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.86	
26 01 50 51-0125 EA 3', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K).....	23.65	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.09	
26 01 50 51-0126 EA 4', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K).....	25.49	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.09	
26 01 50 51-0127 EA 4', 2,200 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K).....	27.85	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.09	
26 01 50 51-0128 Recycle Hazardous Lamps <small>(26 01 50 51)</small>		
Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.		
26 01 50 51-0129 EA Recycle 2' Length Linear Fluorescent Lamps	0.23	
26 01 50 51-0130 EA Recycle 3' Length Linear Fluorescent Lamps	0.35	
26 01 50 51-0131 EA Recycle 4' Length Linear Fluorescent Lamps	0.47	
26 01 50 51-0132 EA Recycle 6' Length Linear Fluorescent Lamps	0.70	
26 01 50 51-0133 EA Recycle 8' Length Linear Fluorescent Lamps	0.94	
26 01 50 51-0134 EA Recycle Compact Fluorescent Lamps	0.42	
26 01 50 51-0135 EA Recycle U-Shaped Or Circular Fluorescent Lamps	0.42	
26 01 50 51-0136 EA Recycle High Intensity Discharge (HID) Lamps	1.47	
26 01 50 52 Ballasts And Accessories <small>(26 01 50)</small>		
26 01 50 52-0001 Lighting Ballasts <small>(26 01 50 52)</small>		
Note: Excludes recycling fees. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 52-0002 Fluorescent Ballasts <small>(26 01 50 52-0001)</small>		
26 01 50 52-0003 T5 Fluorescent Ballasts <small>(26 01 50 52-0002)</small>		
26 01 50 52-0004 T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0003)</small>		
Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0005 14 Watt, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0004)</small>		
26 01 50 52-0006 EA 1 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	51.43	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
<i>For High Ballast Factor, Add</i>	2.62	
26 01 50 52-0007 EA 2 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	54.95	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
<i>For High Ballast Factor, Add</i>	2.62	
26 01 50 52-0008 21 Watt, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0004)</small>		
26 01 50 52-0009 EA 1 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	51.43	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
<i>For High Ballast Factor, Add</i>	2.62	
26 01 50 52-0010 EA 2 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	54.95	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
<i>For High Ballast Factor, Add</i>	2.62	
26 01 50 52-0011 28 Watt, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0004)</small>		
26 01 50 52-0012 EA 1 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	51.43	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
<i>For High Ballast Factor, Add</i>	2.62	
26 01 50 52-0013 EA 2 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	54.95	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
<i>For High Ballast Factor, Add</i>	2.62	
26 01 50 52-0014 35 Watt, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0004)</small>		
26 01 50 52-0015 EA 1 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	51.43	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 01 50 52-0016 EA 2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	54.95	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 01 50 52-0017 54 Watt, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0004)</small>		
26 01 50 52-0018 EA 1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	51.38	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 01 50 52-0019 EA 2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	54.90	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 01 50 52-0020 EA 3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	74.11	21.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.33	
26 01 50 52-0021 EA 4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	77.62	24.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0022 High-Output, T5HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0003)</small> Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0023 12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0022)</small>		
26 01 50 52-0024 EA 1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast 43.97	43.97	14.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
26 01 50 52-0025 EA 2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast 47.49	47.49	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
26 01 50 52-0026 24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0022)</small>		
26 01 50 52-0027 EA 1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast 55.89	55.89	14.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
26 01 50 52-0028 EA 2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast 59.41	59.41	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
26 01 50 52-0029 39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0022)</small>		
26 01 50 52-0030 EA 1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast 55.89	55.89	14.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
26 01 50 52-0031 EA 2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast 59.41	59.41	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
26 01 50 52-0032 54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0022)</small>		
26 01 50 52-0033 EA 1 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast 43.97	43.97	14.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
26 01 50 52-0034 EA 2 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast 47.49	47.49	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
26 01 50 52-0035 Dimming, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0003)</small>		
26 01 50 52-0036 Step Dimming, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0035)</small> Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0037 28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast <small>(26 01 50 52-0036)</small>		
26 01 50 52-0038 EA 2 Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast 63.89	63.89	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
26 01 50 52-0039 Dimming To 5%, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0035)</small> Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0040 54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0039)</small>		
26 01 50 52-0041 EA 1 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast 168.79	168.79	14.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
26 01 50 52-0042 EA 2 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast 167.80	167.80	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
26 01 50 52-0043 T8 Fluorescent Ballasts <small>(26 01 50 52-0002)</small>		
26 01 50 52-0044 T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0043)</small> Note: Includes 120/277 Volt and low or normal ballast factor.		
26 01 50 52-0045 17 Watt, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0044)</small>		
26 01 50 52-0046 EA 1 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast 25.46	25.46	14.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
For High Ballast Factor, Add	6.38	
26 01 50 52-0047 EA 1 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast 40.83	40.83	14.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
For High Ballast Factor, Add	4.20	
26 01 50 52-0048 EA 2 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast 28.98	28.98	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
For High Ballast Factor, Add	6.38	
26 01 50 52-0049 EA 2 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast 44.35	44.35	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
For High Ballast Factor, Add	4.20	
26 01 50 52-0050 EA 3 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast 35.20	35.20	21.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.33	
For High Ballast Factor, Add	6.22	
26 01 50 52-0051 EA 3 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast 50.23	50.23	21.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.33	
For High Ballast Factor, Add	3.57	
26 01 50 52-0052 EA 4 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast 40.47	40.47	24.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
For High Ballast Factor, Add	15.74	
26 01 50 52-0053 EA 4 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast 55.58	55.58	24.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
For High Ballast Factor, Add	9.19	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0054 25 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		
EA 1 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	25.46	14.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
For High Ballast Factor, Add	6.38	
EA 1 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	40.83	14.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
For High Ballast Factor, Add	4.20	
EA 2 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	28.98	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
For High Ballast Factor, Add	6.38	
EA 2 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	44.35	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
For High Ballast Factor, Add	4.20	
EA 3 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	35.20	21.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.33	
For High Ballast Factor, Add	6.22	
EA 3 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	50.23	21.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.33	
For High Ballast Factor, Add	3.57	
EA 4 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	40.47	24.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
For High Ballast Factor, Add	15.74	
EA 4 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	55.58	24.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
For High Ballast Factor, Add	9.19	
26 01 50 52-0063 28 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		
EA 1 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	25.46	14.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
For High Ballast Factor, Add	6.38	
EA 1 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	40.83	14.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
For High Ballast Factor, Add	4.20	
EA 2 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	28.98	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
For High Ballast Factor, Add	6.38	
EA 2 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	44.35	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
For High Ballast Factor, Add	4.20	
EA 3 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	35.20	21.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.33	
For High Ballast Factor, Add	6.22	
EA 3 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	50.23	21.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.33	
For High Ballast Factor, Add	3.57	
EA 4 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	40.47	24.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
For High Ballast Factor, Add	15.74	
EA 4 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	55.58	24.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
For High Ballast Factor, Add	9.19	
26 01 50 52-0072 32 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		
EA 1 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	25.46	14.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
For High Ballast Factor, Add	6.38	
EA 1 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	40.83	14.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
For High Ballast Factor, Add	4.20	
EA 2 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	28.98	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
For High Ballast Factor, Add	6.38	
EA 2 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	44.35	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
For High Ballast Factor, Add	4.20	
EA 3 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	35.20	21.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.33	
For High Ballast Factor, Add	6.22	
EA 3 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	50.23	21.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.33	
For High Ballast Factor, Add	3.57	
EA 4 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	40.47	24.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
For High Ballast Factor, Add	15.74	
EA 4 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	55.58	24.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
For High Ballast Factor, Add	9.19	
26 01 50 52-0081 40 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0082 EA 1 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	37.57	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
<i>For High Ballast Factor, Add</i>	2.73	
26 01 50 52-0083 EA 1 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	40.83	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
<i>For High Ballast Factor, Add</i>	4.20	
26 01 50 52-0084 EA 2 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	41.09	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
<i>For High Ballast Factor, Add</i>	2.73	
26 01 50 52-0085 EA 2 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	44.35	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
<i>For High Ballast Factor, Add</i>	4.20	
26 01 50 52-0086 EA 3 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	51.01	21.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.33	
<i>For High Ballast Factor, Add</i>	1.68	
26 01 50 52-0087 EA 3 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	50.23	21.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.33	
26 01 50 52-0088 EA 4 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	54.52	24.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
<i>For High Ballast Factor, Add</i>	1.68	
26 01 50 52-0089 EA 4 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	55.58	24.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 01 50 52-0090 96 Watt, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0044)</small>		
26 01 50 52-0091 EA 1 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	43.97	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
<i>For High Ballast Factor, Add</i>	5.85	
26 01 50 52-0092 EA 2 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	47.49	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
<i>For High Ballast Factor, Add</i>	5.85	
26 01 50 52-0093 High-Output, T8HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0043)</small>		
Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0094 48 Watt, High-Output, T8HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0093)</small>		
26 01 50 52-0095 EA 1 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	52.22	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 01 50 52-0096 EA 1 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	66.46	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 01 50 52-0097 EA 2 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	55.74	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 01 50 52-0098 EA 2 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	69.98	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 01 50 52-0099 60 Watt, High-Output, T8HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0093)</small>		
26 01 50 52-0100 EA 1 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	52.22	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 01 50 52-0101 EA 1 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	66.46	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 01 50 52-0102 EA 2 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	55.74	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 01 50 52-0103 EA 2 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	69.98	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 01 50 52-0104 72 Watt, High-Output, T8HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0093)</small>		
26 01 50 52-0105 EA 1 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	52.22	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 01 50 52-0106 EA 1 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	66.46	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 01 50 52-0107 EA 2 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	55.74	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 01 50 52-0108 EA 2 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	69.98	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 01 50 52-0109 96 Watt, High-Output, T8HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0093)</small>		
26 01 50 52-0110 EA 1 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	52.22	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 01 50 52-0111 EA 1 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	66.46	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 01 50 52-0112 EA 2 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	55.74	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 01 50 52-0113 EA 2 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	69.98	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 01 50 52-0114 Dimming, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0043)</small>		
26 01 50 52-0115 Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0114)</small>		
Note: Includes 120/277 Volt and high ballast factor.		

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0191 EA 3 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....79.68 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.33	79.68 6.33	21.09
26 01 50 52-0192 EA 4 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....83.19 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 7.38	83.19 7.38	24.60
26 01 50 52-0193 25 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)		
26 01 50 52-0194 EA 1 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....63.14 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 4.22	63.14 4.22	14.05
26 01 50 52-0195 EA 2 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....66.66 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.27	66.66 5.27	17.57
26 01 50 52-0196 EA 3 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....79.68 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.33	79.68 6.33	21.09
26 01 50 52-0197 EA 4 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....83.19 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 7.38	83.19 7.38	24.60
26 01 50 52-0198 28 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)		
26 01 50 52-0199 EA 1 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....63.14 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 4.22	63.14 4.22	14.05
26 01 50 52-0200 EA 2 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....66.66 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.27	66.66 5.27	17.57
26 01 50 52-0201 EA 3 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....79.68 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.33	79.68 6.33	21.09
26 01 50 52-0202 EA 4 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....83.19 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 7.38	83.19 7.38	24.60
26 01 50 52-0203 32 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)		
26 01 50 52-0204 EA 1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....63.14 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 4.22	63.14 4.22	14.05
26 01 50 52-0205 EA 2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....66.66 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.27	66.66 5.27	17.57
26 01 50 52-0206 EA 3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....79.68 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.33	79.68 6.33	21.09
26 01 50 52-0207 EA 4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....83.19 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 7.38	83.19 7.38	24.60
26 01 50 52-0208 T10 Fluorescent Ballasts (26 01 50 52-0002)		
26 01 50 52-0209 T10 Fluorescent Electronic Ballasts (26 01 50 52-0208) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0210 40 Watt, T10 Fluorescent Electronic Ballasts (26 01 50 52-0209)		
26 01 50 52-0211 EA 1 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast .....33.89 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 4.22	33.89 4.22	14.05
26 01 50 52-0212 EA 2 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast .....37.41 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.27	37.41 5.27	17.57
26 01 50 52-0213 EA 3 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast .....45.71 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.33	45.71 6.33	21.09
26 01 50 52-0214 T12 Fluorescent Ballasts (26 01 50 52-0002)		
26 01 50 52-0215 T12 Fluorescent Electronic Ballasts (26 01 50 52-0214) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0216 25 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)		
26 01 50 52-0217 EA 1 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast .....25.46 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 4.22	25.46 4.22	14.05
26 01 50 52-0218 EA 1 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast .....33.89 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 4.22	33.89 4.22	14.05
26 01 50 52-0219 EA 2 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast .....28.98 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.27	28.98 5.27	17.57
26 01 50 52-0220 EA 2 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast .....37.41 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.27	37.41 5.27	17.57
26 01 50 52-0221 EA 3 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast .....35.20 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.33	35.20 6.33	21.09
26 01 50 52-0222 EA 4 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast .....40.47 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 7.38	40.47 7.38	24.60
26 01 50 52-0223 30 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)		
26 01 50 52-0224 EA 1 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast .....33.89 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 4.22	33.89 4.22	14.05
26 01 50 52-0225 EA 2 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast .....37.41 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.27	37.41 5.27	17.57
26 01 50 52-0226 EA 3 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast .....45.71 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.33	45.71 6.33	21.09
26 01 50 52-0227 34 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0228 EA 1 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	33.89	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 01 50 52-0229 EA 2 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	37.41	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 01 50 52-0230 EA 3 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	45.71	21.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.33	
26 01 50 52-0231 40 Watt, T12 Fluorescent Electronic Ballasts <small>(26 01 50 52-0215)</small>		
26 01 50 52-0232 EA 1 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	33.89	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 01 50 52-0233 EA 2 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	37.41	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 01 50 52-0234 EA 3 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	45.71	21.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.33	
26 01 50 52-0235 96 Watt, T12 Fluorescent Electronic Ballasts <small>(26 01 50 52-0215)</small>		
26 01 50 52-0236 EA 1 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	41.19	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 01 50 52-0237 EA 2 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	47.49	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 01 50 52-0238 High-Output, T12HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0214)</small>		
<i>Note: Includes 120/277 Volt and normal ballast factor.</i>		
26 01 50 52-0239 48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0238)</small>		
26 01 50 52-0240 EA 1 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	52.37	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 01 50 52-0241 EA 2 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	55.89	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 01 50 52-0242 60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0238)</small>		
26 01 50 52-0243 EA 1 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	52.37	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 01 50 52-0244 EA 2 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	55.89	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 01 50 52-0245 72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0238)</small>		
26 01 50 52-0246 EA 1 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	52.37	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 01 50 52-0247 EA 2 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	55.89	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 01 50 52-0248 96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0238)</small>		
26 01 50 52-0249 EA 2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	52.37	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 01 50 52-0250 EA 2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	55.89	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 01 50 52-0251 Emergency Fluorescent Ballasts <small>(26 01 50 52-0002)</small>		
<i>Note: 120/277 Volt.</i>		
26 01 50 52-0252 EA One Lamp, 350-450 Lumens, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100).....	84.20	14.05
<i>For Factory Installation In New Fixtures, Deduct</i>	-28.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.43	
26 01 50 52-0253 EA Two Lamp, 600-700 Lumens, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60).....	133.08	17.57
<i>For Factory Installation In New Fixtures, Deduct</i>	-29.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.86	
26 01 50 52-0254 EA One Or Two Lamp, 1,100-1,400 Lumens, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50).....	163.02	17.57
<i>For Factory Installation In New Fixtures, Deduct</i>	-29.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.86	
26 01 50 52-0255 EA One Or Two Lamp, 600-700 Lumens, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A).....	123.08	17.57
<i>For Factory Installation In New Fixtures, Deduct</i>	-29.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.86	
26 01 50 52-0256 EA Two Or Three Lamp, 2,700-3,400 Lumens, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33).....	542.08	21.09
<i>For Factory Installation In New Fixtures, Deduct</i>	-30.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.28	
26 01 50 52-0257 EA One Lamp, 225-450 Lumens, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54).....	164.76	14.05
<i>For Factory Installation In New Fixtures, Deduct</i>	-28.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.43	
26 01 50 52-0258 EA One Or Two Lamp, 325-1,000 Lumens, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG).....	270.39	17.57
<i>For Factory Installation In New Fixtures, Deduct</i>	-29.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.86	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0259 EA One Or Two Lamp, 300-750 Lumens, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG)	153.16	17.57
<i>For Factory Installation In New Fixtures, Deduct</i>	-29.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.86	
26 01 50 52-0260 EA One Lamp, 200-625 Lumens, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413)	204.88	14.05
<i>For Factory Installation In New Fixtures, Deduct</i>	-28.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.43	
26 01 50 52-0261 EA One Lamp, 300-650 Lumens, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463)	160.93	14.05
<i>For Factory Installation In New Fixtures, Deduct</i>	-28.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.43	
26 01 50 52-0262 EA One Or Two Lamp, 450-950 Lumens, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426)	181.05	17.57
<i>For Factory Installation In New Fixtures, Deduct</i>	-29.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.86	
26 01 50 52-0263 EA One Or Two Lamp, 1,100-1,400 Lumens, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500)	195.13	17.57
<i>For Factory Installation In New Fixtures, Deduct</i>	-29.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.86	
26 01 50 52-0264 EA Two Lamp, 600-700 Lumens, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600)	165.76	17.57
<i>For Factory Installation In New Fixtures, Deduct</i>	-29.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.86	
26 01 50 52-0265 EA One Lamp, 600-700 Lumens, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700)	167.68	14.05
<i>For Factory Installation In New Fixtures, Deduct</i>	-28.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.43	
26 01 50 52-0266 EA One Lamp, 500-600 Lumens, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900)	147.32	14.05
<i>For Factory Installation In New Fixtures, Deduct</i>	-28.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.43	
26 01 50 52-0267 EA One Or Two Lamp, 300-750 Lumens, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C)	153.16	17.57
<i>For Factory Installation In New Fixtures, Deduct</i>	-29.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.86	
26 01 50 52-0268 EA One Lamp, 450 Lumens, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400)	149.51	14.05
<i>For Factory Installation In New Fixtures, Deduct</i>	-28.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.43	
26 01 50 52-0269 EA One Or Two Lamp, 1,100-1,400 Lumens, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST)	266.30	17.57
<i>For Factory Installation In New Fixtures, Deduct</i>	-29.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.86	
26 01 50 52-0270 EA One Or Two Lamp, 1,800-3,500 Lumens, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST)	330.52	17.57
<i>For Factory Installation In New Fixtures, Deduct</i>	-29.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.86	
26 01 50 52-0271 EA One Or Two Lamp, 1,450-3,500 Lumens, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT)	609.91	17.57
<i>For Factory Installation In New Fixtures, Deduct</i>	-29.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.86	
26 01 50 52-0272 EA One Or Two Lamp, 1,100-1,400 Lumens, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT)	426.68	17.57
<i>For Factory Installation In New Fixtures, Deduct</i>	-29.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.86	
26 01 50 52-0273 EA One Or Two Lamp, 1,100-3,100 Lumens, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48)	221.83	17.57
<i>For Factory Installation In New Fixtures, Deduct</i>	-29.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.86	
26 01 50 52-0274 EA One Lamp, 1,050-3,200 Lumens, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1)	284.18	14.05
<i>For Factory Installation In New Fixtures, Deduct</i>	-28.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.43	
26 01 50 52-0275 EA 250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD)	1,546.88	17.57
<i>For Factory Installation In New Fixtures, Deduct</i>	-28.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.43	
26 01 50 52-0276 Compact Fluorescent Ballasts (26 01 50 52-0001)		
26 01 50 52-0277 Compact Fluorescent Electronic Ballasts (26 01 50 52-0276) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0278 18 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0277)		
26 01 50 52-0279 EA 1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	48.91	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 01 50 52-0280 EA 2 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	52.43	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 01 50 52-0281 26 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0277)		
26 01 50 52-0282 EA 1 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	48.91	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 01 50 52-0283 EA 2 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	52.43	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0284 32 Watt, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0277)</small>		
26 01 50 52-0285 EA 1 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	59.46	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.22	
26 01 50 52-0286 EA 2 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	62.98	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.27	
26 01 50 52-0287 40 Watt, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0277)</small>		
26 01 50 52-0288 EA 1 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	47.65	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.22	
26 01 50 52-0289 EA 1 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	59.46	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.22	
26 01 50 52-0290 EA 2 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	86.62	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.27	
26 01 50 52-0291 EA 2 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	62.98	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.27	
26 01 50 52-0292 EA 3 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	102.49	21.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.33	
26 01 50 52-0293 42 Watt, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0277)</small>		
26 01 50 52-0294 EA 1 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	59.46	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.22	
26 01 50 52-0295 EA 2 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	62.98	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.27	
26 01 50 52-0296 55 Watt, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0277)</small>		
26 01 50 52-0297 EA 1 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	59.46	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.22	
26 01 50 52-0298 EA 2 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	62.98	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.27	
26 01 50 52-0299 Dimming, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0276)</small>		
26 01 50 52-0300 Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0299)</small>		
<i>Note: Includes 120/277 Volt and normal ballast factor.</i>		
26 01 50 52-0301 18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0300)</small>		
26 01 50 52-0302 EA 1 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	86.45	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.22	
26 01 50 52-0303 EA 2 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	89.97	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.27	
26 01 50 52-0304 26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0300)</small>		
26 01 50 52-0305 EA 1 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	86.45	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.22	
26 01 50 52-0306 EA 2 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	89.97	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.27	
26 01 50 52-0307 32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0300)</small>		
26 01 50 52-0308 EA 1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	86.45	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.22	
26 01 50 52-0309 EA 2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	95.79	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.27	
26 01 50 52-0310 40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0300)</small>		
26 01 50 52-0311 EA 2 Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	95.79	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.27	
26 01 50 52-0312 42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0300)</small>		
26 01 50 52-0313 EA 1 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	86.45	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.22	
26 01 50 52-0314 EA 2 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	95.79	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.27	
26 01 50 52-0315 55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0300)</small>		
26 01 50 52-0316 EA 1 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	135.27	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.22	
26 01 50 52-0317 EA 2 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	152.49	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.27	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0318 High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0001)</small>		
26 01 50 52-0319 Magnetic High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0318)</small>		
26 01 50 52-0320 Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0319)</small>		
26 01 50 52-0321 Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0320)</small>		
26 01 50 52-0322 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	98.20	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 01 50 52-0323 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	100.58	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 01 50 52-0324 EA 1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	100.58	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 01 50 52-0325 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	89.88	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 01 50 52-0326 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	89.88	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 01 50 52-0327 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	139.21	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 01 50 52-0328 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	139.21	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 01 50 52-0329 EA 1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	179.21	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 01 50 52-0330 EA 1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	199.61	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 01 50 52-0331 High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0320)</small>		
26 01 50 52-0332 EA 1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	88.79	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 01 50 52-0333 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	94.11	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 01 50 52-0334 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	91.82	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 01 50 52-0335 EA 1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	107.81	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 01 50 52-0336 EA 1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	105.53	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 01 50 52-0337 EA 1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	120.37	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 01 50 52-0338 EA 1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	120.37	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 01 50 52-0339 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	145.06	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 01 50 52-0340 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	145.06	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 01 50 52-0341 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	231.68	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 01 50 52-0342 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	231.68	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 01 50 52-0343 Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0320)</small>		
26 01 50 52-0344 EA Single Mounting Bracket For Core And Coil Type	9.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.11	
26 01 50 52-0345 EA Double Mounting Bracket For Core And Coil Type	16.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 01 50 52-0346 F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0319)</small>		
26 01 50 52-0347 Metal Halide, F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0346)</small>		
26 01 50 52-0348 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	124.41	17.57
For Pulse Start Ballast, Add	9.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 01 50 52-0349 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	131.01	17.57
For Pulse Start Ballast, Add	10.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 01 50 52-0350 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	119.41	17.57
For Pulse Start Ballast, Add	9.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 01 50 52-0351 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	138.48	17.57
For Pulse Start Ballast, Add	11.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 01 50 52-0352 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	191.90	17.57
For Pulse Start Ballast, Add	16.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 01 50 52-0353 High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0346)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0354 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.43 7.38	17.57
26 01 50 52-0355 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.72 7.38	17.57
26 01 50 52-0356 Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0319)</small>		
26 01 50 52-0357 Metal Halide, Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0356)</small>		
26 01 50 52-0358 EA 1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	248.09 7.38	17.57
26 01 50 52-0359 High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0356)</small>		
26 01 50 52-0360 EA 1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	381.76 7.38	17.57
26 01 50 52-0361 EA 1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	425.63 7.38	17.57
26 01 50 52-0362 EA 1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	410.45 7.38	17.57
26 01 50 52-0363 Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0319)</small>		
26 01 50 52-0364 Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0363)</small>		
26 01 50 52-0365 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	305.24 7.38	17.57
26 01 50 52-0366 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	346.32 7.38	17.57
26 01 50 52-0367 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	457.11 7.38	17.57
26 01 50 52-0368 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	454.72 7.38	17.57
26 01 50 52-0369 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	636.78 7.80	18.98
26 01 50 52-0370 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	636.78 7.80	18.98
26 01 50 52-0371 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	438.42 7.38	17.57
26 01 50 52-0372 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	515.63 7.38	17.57
26 01 50 52-0373 High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0363)</small>		
26 01 50 52-0374 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	568.73 7.38	17.57
26 01 50 52-0375 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	541.52 7.38	17.57
26 01 50 52-0376 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	695.80 7.38	17.57
26 01 50 52-0377 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	695.80 7.38	17.57
26 01 50 52-0378 Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0319)</small>		
26 01 50 52-0379 Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0378)</small>		
26 01 50 52-0380 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	342.88 7.38	17.57
26 01 50 52-0381 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	370.30 7.38	17.57
26 01 50 52-0382 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	367.60 7.38	17.57
26 01 50 52-0383 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	385.97 7.38	17.57
26 01 50 52-0384 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	612.82 7.80	18.98
26 01 50 52-0385 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	753.09 7.80	18.98
26 01 50 52-0386 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	571.92 7.38	17.57
26 01 50 52-0387 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	520.77 7.38	17.57
26 01 50 52-0388 High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0378)</small>		

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0389 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	442.37	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 01 50 52-0390 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	476.96	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 01 50 52-0391 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	711.77	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 01 50 52-0392 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	612.56	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 01 50 52-0393 Electronic High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0318)</small>		
26 01 50 52-0394 Electronic Low Frequency High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0393)</small>		
26 01 50 52-0395 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	137.56	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 01 50 52-0396 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	137.56	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 01 50 52-0397 EA 1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	154.90	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 01 50 52-0398 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	397.80	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 01 50 52-0399 EA 1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	397.80	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 01 50 52-0400 EA 1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	397.80	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 01 50 52-0401 EA 1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	397.80	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 01 50 52-0402 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	397.80	17.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 01 50 52-0403 Owner Supplied Ballasts <small>(26 01 50 52-0001)</small>		
26 01 50 52-0404 EA Install Owner Supplied, 1 Lamp Fluorescent Ballast.....	14.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 01 50 52-0405 EA Install Owner Supplied, 2 Lamp Fluorescent Ballast.....	17.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 01 50 52-0406 EA Install Owner Supplied, 3 Lamp Fluorescent Ballast.....	20.38	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.11	
26 01 50 52-0407 EA Install Owner Supplied, 4 Lamp Fluorescent Ballast.....	21.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 01 50 52-0408 EA Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast.....	24.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 01 50 52-0409 EA Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast.....	26.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.80	
26 01 50 52-0410 Retrofit Lighting Fixtures <small>(26 01 50 52)</small>		
26 01 50 52-0411 Retrofit Existing (T12) Fluorescent Fixtures <small>(26 01 50 52-0410)</small>		
Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal, 26 01 50 51-0128 for hazardous lamp recycling.		
26 01 50 52-0412 Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector <small>(26 01 50 52-0411)</small>		
Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0413 EA Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp.....	53.95	
<i>For Specular Ballast Cover, Add</i>	5.87	
26 01 50 52-0414 EA Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps.....	58.48	
<i>For Specular Ballast Cover, Add</i>	6.78	
26 01 50 52-0415 EA Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps.....	79.21	
<i>For Specular Ballast Cover, Add</i>	10.92	
26 01 50 52-0416 EA Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps.....	91.50	
<i>For Specular Ballast Cover, Add</i>	13.38	
26 01 50 52-0417 Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector <small>(26 01 50 52-0411)</small>		
Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0418 EA Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp.....	57.00	
<i>For Specular Reflector, Add</i>	17.05	
26 01 50 52-0419 EA Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps.....	61.90	
<i>For Specular Reflector, Add</i>	17.05	
26 01 50 52-0420 EA Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps.....	83.47	
<i>For Specular Reflector, Add</i>	17.05	
26 01 50 52-0421 EA Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps.....	104.03	
<i>For Specular Reflector, Add</i>	17.05	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0422				Retrofit Existing (T12) Troffer Style Fluorescent Fixtures <small>(26 01 50 52-0411)</small> Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0423	EA			Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps 71.95 <i>For Specular Reflector, Add</i> 17.05		
26 01 50 52-0424	EA			Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps 76.49 <i>For Specular Reflector, Add</i> 17.05		
26 01 50 52-0425	EA			Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps 75.59 <i>For Specular Reflector, Add</i> 17.05		
26 01 50 52-0426	EA			Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps 83.59 <i>For Specular Reflector, Add</i> 17.05		
26 01 50 52-0427	EA			Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps 98.29 <i>For Specular Reflector, Add</i> 17.05		
26 01 50 52-0428	EA			Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps 80.14 <i>For Specular Reflector, Add</i> 17.05		
26 01 50 52-0429	EA			Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps 87.98 <i>For Specular Reflector, Add</i> 17.05		
26 01 50 52-0430	EA			Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps 94.88 <i>For Specular Reflector, Add</i> 17.05		
26 01 50 52-0431				Retrofit Existing Recessed Lay-In/Troffer Fixtures <small>(26 01 50 52-0410)</small>		
26 01 50 52-0432				Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) <small>(26 01 50 52-0431)</small> Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0128 for disposal of hazardous lamps.		
26 01 50 52-0433	EA			2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)..... 147.15		
26 01 50 52-0434	EA			2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)..... 147.15		
26 01 50 52-0435	EA			2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)..... 147.15		
26 01 50 52-0436	EA			2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)..... 162.66		
26 01 50 52-0437	EA			2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT) 147.15		
26 01 50 52-0438	EA			2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT) 147.15		
26 01 50 52-0439	EA			2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT) 147.15		
26 01 50 52-0440	EA			2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)..... 162.66		
26 01 50 52-0441	EA			2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)..... 147.53		
26 01 50 52-0442	EA			2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)..... 147.53		
26 01 50 52-0443	EA			2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)..... 147.53		
26 01 50 52-0444	EA			2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)..... 163.05		
26 01 50 52-0445	EA			2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT) 147.53		
26 01 50 52-0446	EA			2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT) 147.53		
26 01 50 52-0447	EA			2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT) 147.53		
26 01 50 52-0448	EA			2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)..... 163.05		
26 01 50 52-0449				LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) <small>(26 01 50 52-0431)</small> Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0128 for disposal of hazardous lamps.		
26 01 50 52-0450	EA			2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025)..... 221.62		
26 01 50 52-0451	EA			4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045)..... 232.17		
26 01 50 52-0452				LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) <small>(26 01 50 52-0431)</small> Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0128 for disposal of hazardous lamps.		
26 01 50 52-0453	EA			1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L)..... 178.63 <i>For >100 To 500, Deduct</i> -8.93 <i>For >500, Deduct</i> -17.86		

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0454	EA		2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L).....	182.83	
26 01 50 52-0455	EA		2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L).....	178.63	
26 01 50 52-0456	EA		3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L).....	182.83	
26 01 50 52-0457	EA		3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L).....	203.83	
26 01 50 52-0458	EA		4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L).....	210.13	
26 01 50 52-0459	EA		5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L).....	224.83	
26 01 50 52-0460			LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) <small>(26 01 50 52-0431)</small>		
			Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0128 for disposal of hazardous lamps.		
26 01 50 52-0461	EA		3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST) (DLC Certified)	165.78	
			<i>For >100 To 500, Deduct</i>	-8.29	
			<i>For >500, Deduct</i>	-16.58	
26 01 50 52-0462	EA		3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST) (DLC Certified)	171.64	
			<i>For >100 To 500, Deduct</i>	-8.58	
			<i>For >500, Deduct</i>	-17.16	
26 01 50 52-0463	EA		3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST) (DLC Certified)	173.39	
			<i>For >100 To 500, Deduct</i>	-8.67	
			<i>For >500, Deduct</i>	-17.34	
26 01 50 52-0464	EA		3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST) (DLC Certified)	179.25	
			<i>For >100 To 500, Deduct</i>	-8.96	
			<i>For >500, Deduct</i>	-17.93	
26 01 50 52-0465	EA		2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDSX84022MST) (DLC Certified)	126.23	
			<i>For >100 To 500, Deduct</i>	-6.31	
			<i>For >500, Deduct</i>	-12.62	
26 01 50 52-0466	EA		4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDSX84022MST) (DLC Certified)	129.02	
			<i>For >100 To 500, Deduct</i>	-6.45	
			<i>For >500, Deduct</i>	-12.90	
26 01 50 52-0467	EA		3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDSX84024MST) (DLC Certified).....	133.47	
			<i>For >100 To 500, Deduct</i>	-6.67	
			<i>For >500, Deduct</i>	-13.35	
26 01 50 52-0468	EA		4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDSX84024MST) (DLC Certified).....	136.25	
			<i>For >100 To 500, Deduct</i>	-6.81	
			<i>For >500, Deduct</i>	-13.63	
26 01 50 52-0469	EA		6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDSX84024MST) (DLC Certified)	167.42	
			<i>For >100 To 500, Deduct</i>	-8.37	
			<i>For >500, Deduct</i>	-16.74	
26 01 50 52-0470	EA		8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDSX84024MST)(DLC Certified).....	198.58	
			<i>For >100 To 500, Deduct</i>	-9.93	
			<i>For >500, Deduct</i>	-19.86	
26 01 50 52-0471			Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) <small>(26 01 50 52-0431)</small>		
			Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0128 for disposal of hazardous lamps.		
26 01 50 52-0472	EA		1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	137.92	
26 01 50 52-0473	EA		1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	108.48	
26 01 50 52-0474	EA		2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	141.33	
26 01 50 52-0475	EA		2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	111.79	
26 01 50 52-0476	EA		3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	147.92	
26 01 50 52-0477	EA		3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	120.46	
26 01 50 52-0478	EA		1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	164.53	
26 01 50 52-0479	EA		1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	134.97	
26 01 50 52-0480	EA		2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	167.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0481 EA 2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	138.16	
26 01 50 52-0482 EA 3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	174.35	
26 01 50 52-0483 EA 3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	146.84	
26 01 50 52-0484 LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) (26 01 50 52-0431) Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0128 for disposal of hazardous lamps.		
26 01 50 52-0485 EA 3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT).....	329.59	
26 01 50 52-0486 EA 4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT).....	365.79	
26 01 50 52-0487 Retrofit For Existing Ballasts, In Place (26 01 50 52-0410) Note: CEE listed ballasts. Excludes ballast removal or recycling fees.		
26 01 50 52-0488 Instant Start Fluorescent Ballasts (26 01 50 52-0487)		
26 01 50 52-0489 EA 1 Lamp, Normal Or Low Power Factor, Instant Start Fluorescent Ballast (General Electric UltraMax™ 132).....	29.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.26	
<i>For High Power, Add</i>	3.24	
<i>For Programmed Start, Add</i>	5.22	
26 01 50 52-0490 EA 2 Lamp, Normal Or Low Power Factor, Instant Start Fluorescent Ballast (General Electric UltraMax™ 232).....	29.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.26	
<i>For High Power, Add</i>	3.24	
<i>For Programmed Start, Add</i>	5.22	
26 01 50 52-0491 EA 3 Lamp, Normal Or Low Power Factor, Instant Start Fluorescent Ballast (General Electric UltraMax™ 332).....	32.43	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.26	
<i>For High Power, Add</i>	2.83	
<i>For Programmed Start, Add</i>	5.55	
26 01 50 52-0492 EA 4 Lamp, Normal Or Low Power Factor, Instant Start Fluorescent Ballast (General Electric UltraMax™ 432).....	34.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.26	
<i>For High Power, Add</i>	3.19	
<i>For Programmed Start, Add</i>	6.08	
26 01 50 52-0493 Program/Rapid Start Fluorescent Ballasts (26 01 50 52-0487)		
26 01 50 52-0494 EA 1 Lamp, Normal Power Factor, Program/Rapid Start Fluorescent Ballast (General Electric UltraStart® 132-MVPS-N).....	41.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.26	
26 01 50 52-0495 EA 2 Lamp, Normal Power Factor, Program/Rapid Start Fluorescent Ballast (General Electric UltraStart® 232-MVPS-N).....	41.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.26	
26 01 50 52-0496 EA 3 Lamp, Normal Power Factor, Program/Rapid Start Fluorescent Ballast (General Electric UltraStart® 332-MVPS-N).....	43.89	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.26	
26 01 50 52-0497 EA 4 Lamp, Normal Power Factor, Program/Rapid Start Fluorescent Ballast (General Electric UltraStart® 432-MVPS-N).....	45.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.26	
26 01 50 52-0498 EA 2 Lamp, Normal Power Factor, Program/Rapid Start Fluorescent Ballast (General Electric UltraStart® 228MVPS).....	51.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.26	
26 01 50 52-0499 EA 2 Lamp, Normal Power Factor, Program/Rapid Start Fluorescent Ballast (General Electric UltraStart® 254MVPS).....	59.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.26	
26 01 50 52-0500 EA 4 Lamp, Normal Power Factor, Program/Rapid Start Fluorescent Ballast (General Electric UltraStart® 454MVPS90).....	65.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.26	
26 01 50 52-0501 Step Dimming, Instant Start Fluorescent Ballasts (26 01 50 52-0487)		
26 01 50 52-0502 EA 1 Or 2 Lamp, High Power Factor, Step Dimming, Instant Start Fluorescent Ballast (General Electric UltraMax™ 232MAX90-S60).....	39.95	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.26	
26 01 50 52-0503 EA 3 Lamp, High Power Factor, Step Dimming, Instant Start Fluorescent Ballast (General Electric UltraMax™ 332MAX90-S60).....	41.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.26	
26 01 50 52-0504 EA 4 Lamp, High Power Factor, Step Dimming, Instant Start Fluorescent Ballast (General Electric UltraMax™ 432MAX90-S60).....	48.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.26	
26 01 50 52-0505 EA 6 Lamp, High Power Factor, Step Dimming, Instant Start Fluorescent Ballast (General Electric UltraMax™ 632MAX-H90-S60).....	68.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.26	
26 01 50 52-0506 Load Shed 0-10 V Dimming, Instant Start Fluorescent Ballasts (26 01 50 52-0487)		
26 01 50 52-0507 EA 1 Or 2 Lamp, High Power Factor, Load Shed 0-10 V Dimming, Instant Start Fluorescent Ballast (General Electric UltraMax™ 232MAX90-V60).....	39.95	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.26	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0508 EA 3 Lamp, High Power Factor, Load Shed 0-10 V Dimming, Instant Start Fluorescent Ballast (General Electric UltraMax™ 332MAX90-V60).....	42.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.26	
26 01 50 52-0509 EA 4 Lamp, High Power Factor, Load Shed 0-10 V Dimming, Instant Start Fluorescent Ballast (General Electric UltraMax™ 432MAX90-V60).....	48.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.26	
26 01 50 52-0510 EA 6 Lamp, High Power Factor, Load Shed 0-10 V Dimming, Instant Start Fluorescent Ballast (General Electric UltraMax™ 632MAX90-V60).....	72.06	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.26	
26 01 50 53 Lens and Accessory Replacement (26 01 50)		
26 01 50 53-0001 EA Parabolic Aluminum Louver Replacement.....	76.42	
26 01 50 53-0002 EA Visor For Fixtures.....	142.35	
26 01 50 53-0003 EA Replace Globe On Pole.....	183.25	
26 01 50 53-0004 EA Replace Lenses For Flat Top Pole Fixtures.....	66.32	
26 01 50 53-0005 EA Replace 1' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	21.11	
26 01 50 53-0006 EA Replace 2' x 2' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	22.24	
26 01 50 53-0007 EA Replace 2' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	27.15	
26 01 50 53-0008 EA Replace Slide-On Lampholder.....	8.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.11	
26 01 50 53-0009 EA Replace Screw Mount Lampholder.....	8.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.11	
26 01 50 53-0010 EA Replace Medium Bi-Pin Lampholder.....	10.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.11	
26 01 50 53-0011 EA Replace Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type.....	12.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.11	
26 01 50 53-0012 EA Replace Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type.....	14.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.11	
26 01 50 53-0013 EA Replace Compact Twin-Tube Lampholder, Snap-in.....	10.26	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.11	
26 01 50 53-0014 EA Replace Exterior Light Globes.....	38.50	

26 05 Common Work Results For Electrical (26)**26 05 13 Medium-Voltage Cables (26 05)****26 05 13 00-0001****Wire And Cable (26 05 13)**

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 13 00-0002 Wire Connections (26 05 13 00-0001)**26 05 13 00-0003 Medium Voltage Up To 5 KV (26 05 13 00-0002)****26 05 13 00-0004 Copper Cable Splice, Crimp Compression Connection (26 05 13 00-0003)**

Note: For bare wire.

26 05 13 00-0005 EA #6 AWG Crimp Compression Connection For Bare Copper Wire.....	45.91	
26 05 13 00-0006 EA #4 AWG Crimp Compression Connection For Bare Copper Wire.....	50.55	
26 05 13 00-0007 EA #3 AWG Crimp Compression Connection For Bare Copper Wire.....	58.95	
26 05 13 00-0008 EA #2 AWG Crimp Compression Connection For Bare Copper Wire.....	66.93	
26 05 13 00-0009 EA #1 AWG Crimp Compression Connection For Bare Copper Wire.....	75.49	
26 05 13 00-0010 EA 1/0 AWG Crimp Compression Connection For Bare Copper Wire.....	83.83	
26 05 13 00-0011 EA 2/0 AWG Crimp Compression Connection For Bare Copper Wire.....	92.07	
26 05 13 00-0012 EA 3/0 AWG Crimp Compression Connection For Bare Copper Wire.....	100.71	
26 05 13 00-0013 EA 4/0 AWG Crimp Compression Connection For Bare Copper Wire.....	109.10	
26 05 13 00-0014 EA 250 MCM Crimp Compression Connection For Bare Copper Wire.....	117.68	
26 05 13 00-0015 EA 300 MCM Crimp Compression Connection For Bare Copper Wire.....	126.48	
26 05 13 00-0016 EA 350 MCM Crimp Compression Connection For Bare Copper Wire.....	134.73	
26 05 13 00-0017 EA 400 MCM Crimp Compression Connection For Bare Copper Wire.....	152.20	
26 05 13 00-0018 EA 500 MCM Crimp Compression Connection For Bare Copper Wire.....	170.19	

26 05 19 Low-Voltage Electrical Power Conductors And Cables (26 05)**26 05 19 16 Low-Voltage, Single-And Multi-Conductor Cables (26 05 19)****26 05 19 16-0001 Cable Installation Methods (26 05 19 16)****26 05 19 16-0002 Pull Cord (26 05 19 16-0001)**

Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.

26 05 19 16-0003 LF Pull String Installed To Remain In Place, In Existing Conduit.....	0.22	
26 05 19 16-0004 LF Pull String Installed To Remain In Place, In New Conduits.....	0.11	
26 05 19 16-0005 LF 1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit.....	0.51	
26 05 19 16-0006 LF 1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits.....	0.30	

26 05 19 16-0007 Bore Conduit Into Dirt Or Sand (26 05 19 16-0001)

Note: For installation under roads, driveways or other structures up to 20'.

26 05 19 16-0008 LF Bore 1" To 4" Conduit Into Dirt Or Sand.....	1.98	
26 05 19 16-0009 LF Bore 5" To 8" Conduit Into Dirt Or Sand.....	2.52	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0010	EA		Boring Minimum Set-Up Charge Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.	276.89	
26 05 19 16-0011			Wire and Cable <small>(26 05 19 16)</small> Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.		
26 05 19 16-0012			600 Volt Wire <small>(26 05 19 16-0011)</small>		
26 05 19 16-0013			600 Volt, Armored Cable, Copper Conductors <small>(26 05 19 16-0012)</small>		
26 05 19 16-0014			MC, Solid Or Stranded, Galvanized Steel Armor <small>(26 05 19 16-0013)</small>		
26 05 19 16-0015	MLF		#14 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	2,172.33	701.45
26 05 19 16-0016	MLF		#12 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	2,425.75	788.15
26 05 19 16-0017	MLF		#10 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	2,926.43	866.02
26 05 19 16-0018	MLF		#8 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	3,766.08	925.43
26 05 19 16-0019	MLF		#6 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	4,711.32	981.05
26 05 19 16-0020	MLF		#14 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	2,511.88	788.15
26 05 19 16-0021	MLF		#12 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	2,837.11	866.02
26 05 19 16-0022	MLF		#10 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	3,619.91	988.00
26 05 19 16-0023	MLF		#8 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	4,732.86	1,066.07
26 05 19 16-0024	MLF		#6 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	5,547.71	1,149.89
26 05 19 16-0025	MLF		#4 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	6,890.19	1,234.99
26 05 19 16-0026	MLF		#2 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	8,865.41	1,318.53
26 05 19 16-0027	MLF		#14 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	2,918.62	866.02
26 05 19 16-0028	MLF		#12 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	3,344.13	988.00
26 05 19 16-0029	MLF		#10 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	5,107.39	1,096.02
26 05 19 16-0030	MLF		#8 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	6,965.93	1,207.34
26 05 19 16-0031	MLF		#6 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	8,539.29	1,291.80
26 05 19 16-0032	MLF		#4 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	11,314.61	1,375.42
26 05 19 16-0033	MLF		#2 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	14,662.47	1,458.33
26 05 19 16-0034			FPLP Solid TFN Red Armored Cable <small>(26 05 19 16-0013)</small> Note: Color coded red.		
26 05 19 16-0035	MLF		#18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	2,183.06	533.11
26 05 19 16-0036	MLF		#18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	2,479.65	617.28
26 05 19 16-0037	MLF		#18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	3,070.89	701.45
26 05 19 16-0038	MLF		#18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	3,521.42	785.63
26 05 19 16-0039	MLF		#16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	2,485.26	617.28
26 05 19 16-0040	MLF		#16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	2,936.31	701.45
26 05 19 16-0041	MLF		#16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	3,683.02	785.63
26 05 19 16-0042	MLF		#16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	4,188.62	869.80
26 05 19 16-0043			FPLP Solid THHN Red Armored Cable <small>(26 05 19 16-0013)</small> Note: Color coded red.		
26 05 19 16-0044	MLF		#14/2 With #14 Ground Type THHN FPLP Red Armored Cable.....	2,761.46	701.45
26 05 19 16-0045	MLF		#14/4 With #14 Ground Type THHN FPLP Red Armored Cable.....	3,425.08	785.63
26 05 19 16-0046	MLF		#14/6 With #14 Ground Type THHN FPLP Red Armored Cable.....	4,549.03	869.80
26 05 19 16-0047	MLF		#14/8 With #14 Ground Type THHN FPLP Red Armored Cable.....	5,271.79	953.98
26 05 19 16-0048	MLF		#12/2 With #12 Ground Type THHN FPLP Red Armored Cable.....	3,479.11	785.63
26 05 19 16-0049	MLF		#12/4 With #12 Ground Type THHN FPLP Red Armored Cable.....	4,252.85	869.80
26 05 19 16-0050			FPLP Twisted Shielded Pair Red Armored Cable <small>(26 05 19 16-0013)</small> Note: Color coded red.		
26 05 19 16-0051	MLF		#18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	2,366.58	533.11
26 05 19 16-0052	MLF		#18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	3,789.05	785.63
26 05 19 16-0053	MLF		#16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	2,908.88	617.28
26 05 19 16-0054	MLF		#16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable.....	3,434.87	701.45
26 05 19 16-0055	MLF		#16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	4,771.80	869.80
26 05 19 16-0056	MLF		#14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	3,407.64	729.51
26 05 19 16-0057	MLF		#14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	4,207.17	841.75
26 05 19 16-0058			Armored Cable Connectors <small>(26 05 19 16-0013)</small>		
26 05 19 16-0059	EA		3/4" Armored Cable Connector.....	4.23	1.53
			<i>For Work In Restricted Working Space, Add</i>	1.16	
			<i>For Installation Above 14', Add</i>	0.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.16	
26 05 19 16-0060	EA		1" Armored Cable Connector.....	5.00	1.80
			<i>For Work In Restricted Working Space, Add</i>	1.35	
			<i>For Installation Above 14', Add</i>	0.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.35	
26 05 19 16-0061	EA		1-1/4" Armored Cable Connector.....	7.09	2.57
			<i>For Work In Restricted Working Space, Add</i>	1.92	
			<i>For Installation Above 14', Add</i>	0.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.92	

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0062 600 Volt, Feeder Wire, Single Stranded Copper <small>(26 05 19 16-0012)</small>		
26 05 19 16-0063 MLF #3 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,099.36	360.99
For EPR Insulation, Add	151.38	
For Hypalon (CSPE) Jacket, Add	353.21	
26 05 19 16-0064 MLF 600 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	13,500.50	1,162.34
For EPR Insulation, Add	1,524.87	
For Hypalon (CSPE) Jacket, Add	3,558.03	
26 05 19 16-0065 MLF #18 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit.....	299.47	128.26
26 05 19 16-0066 MLF #16 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit.....	373.51	141.09
26 05 19 16-0067 MLF #14 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	382.73	102.86
26 05 19 16-0068 MLF #12 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	473.62	122.61
26 05 19 16-0069 MLF #10 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	582.37	154.23
26 05 19 16-0070 MLF #8 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	809.46	203.29
26 05 19 16-0071 MLF #6 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,089.51	245.49
26 05 19 16-0072 MLF #4 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,425.61	290.12
26 05 19 16-0073 MLF #3 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,698.81	328.41
26 05 19 16-0074 MLF #2 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,021.74	367.78
26 05 19 16-0075 MLF #1 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,396.52	415.04
26 05 19 16-0076 MLF #1/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,787.02	454.48
26 05 19 16-0077 MLF #2/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,154.05	502.25
26 05 19 16-0078 MLF #3/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,718.88	531.24
26 05 19 16-0079 MLF #4/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,412.74	597.68
26 05 19 16-0080 MLF 250 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	5,161.09	635.84
26 05 19 16-0081 MLF 300 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	5,939.63	720.11
26 05 19 16-0082 MLF 350 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	6,774.36	796.93
26 05 19 16-0083 MLF 400 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	7,580.73	818.74
26 05 19 16-0084 MLF 500 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	8,957.58	866.19
26 05 19 16-0085 MLF 600 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	11,047.29	1,019.32
26 05 19 16-0086 MLF 750 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	16,739.14	1,207.42
26 05 19 16-0087 MLF 1,000 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	20,029.51	1,457.78
26 05 19 16-0088 MLF #16 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,654.75	308.08
26 05 19 16-0089 MLF #14 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,835.98	358.99
26 05 19 16-0090 MLF #12 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,128.52	410.75
26 05 19 16-0091 MLF #10 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,779.31	461.53
26 05 19 16-0092 MLF #8 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,151.33	513.03
26 05 19 16-0093 MLF #6 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,035.70	563.82
26 05 19 16-0094 Control Tray Cable, Low Voltage <small>(26 05 19 16-0011)</small>		
Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.		
26 05 19 16-0095 MLF 2 Conductor #18 AWG, Stranded, Type TC Control Cable.....	708.15	311.08
For Installation On Exposed Surface, Deduct	-103.70	
26 05 19 16-0096 MLF 3 Conductor #18 AWG, Stranded, Type TC Control Cable.....	823.84	347.99
For Installation On Exposed Surface, Deduct	-116.00	
26 05 19 16-0097 MLF 4 Conductor #18 AWG, Stranded, Type TC Control Cable.....	873.52	347.97
For Installation On Exposed Surface, Deduct	-116.00	
26 05 19 16-0098 MLF 5 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,093.22	436.45
For Installation On Exposed Surface, Deduct	-145.48	
26 05 19 16-0099 MLF 7 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,387.70	531.85
For Installation On Exposed Surface, Deduct	-177.28	
26 05 19 16-0100 MLF 9 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,597.97	584.86
For Installation On Exposed Surface, Deduct	-194.95	
26 05 19 16-0101 MLF 12 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,920.45	664.55
For Installation On Exposed Surface, Deduct	-221.51	
26 05 19 16-0102 MLF 15 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,446.63	812.26
For Installation On Exposed Surface, Deduct	-270.75	
26 05 19 16-0103 MLF 19 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,822.66	886.13
For Installation On Exposed Surface, Deduct	-295.38	
26 05 19 16-0104 MLF 25 Conductor #18 AWG, Stranded, Type TC Control Cable.....	3,428.81	913.83
For Installation On Exposed Surface, Deduct	-304.61	
26 05 19 16-0105 MLF 30 Conductor #18 AWG, Stranded, Type TC Control Cable.....	4,192.32	1,141.63
For Installation On Exposed Surface, Deduct	-380.54	
26 05 19 16-0106 MLF 37 Conductor #18 AWG, Stranded, Type TC Control Cable.....	5,050.69	1,334.20
For Installation On Exposed Surface, Deduct	-444.73	
26 05 19 16-0107 MLF 2 Conductor #16 AWG, Stranded, Type TC Control Cable.....	782.83	327.69
For Installation On Exposed Surface, Deduct	-109.15	
26 05 19 16-0108 MLF 3 Conductor #16 AWG, Stranded, Type TC Control Cable.....	915.33	366.30
For Installation On Exposed Surface, Deduct	-122.10	
26 05 19 16-0109 MLF 4 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,069.77	421.71
For Installation On Exposed Surface, Deduct	-140.57	
26 05 19 16-0110 MLF 5 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,222.93	459.41
For Installation On Exposed Surface, Deduct	-153.14	
26 05 19 16-0111 MLF 7 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,559.67	559.85
For Installation On Exposed Surface, Deduct	-186.61	
26 05 19 16-0112 MLF 9 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,805.08	615.64
For Installation On Exposed Surface, Deduct	-205.21	
26 05 19 16-0113 MLF 12 Conductor #16 AWG, Stranded, Type TC Control Cable.....	2,181.96	699.51
For Installation On Exposed Surface, Deduct	-233.17	
26 05 19 16-0114 MLF 15 Conductor #16 AWG, Stranded, Type TC Control Cable.....	2,791.04	854.97
For Installation On Exposed Surface, Deduct	-284.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0115 MLF 19 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,236.70 -310.90	932.69
26 05 19 16-0116 MLF 25 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,985.42 -320.65	961.93
26 05 19 16-0117 MLF 30 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	4,864.77 -400.55	1,201.65
26 05 19 16-0118 MLF 37 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	5,874.48 -468.14	1,404.42
26 05 19 16-0119 MLF 2 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	858.01 -114.02	342.07
26 05 19 16-0120 MLF 3 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,042.09 -128.26	384.78
26 05 19 16-0121 MLF 4 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,229.76 -146.60	439.80
26 05 19 16-0122 MLF 5 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,399.09 -157.89	473.66
26 05 19 16-0123 MLF 7 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,899.13 -193.54	580.62
26 05 19 16-0124 MLF 9 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,209.32 -213.81	641.29
26 05 19 16-0125 MLF 12 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,762.11 -238.56	715.68
26 05 19 16-0126 MLF 15 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,299.09 -284.99	854.84
26 05 19 16-0127 MLF 19 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	5,900.21 -331.03	993.36
26 05 19 16-0128 MLF 25 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	5,029.51 -387.21	1,161.38
26 05 19 16-0129 MLF 30 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	5,883.69 -432.61	1,297.84
26 05 19 16-0130 MLF 37 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	7,121.87 -505.59	1,516.77
26 05 19 16-0131 MLF 2 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,022.58 -122.10	366.30
26 05 19 16-0132 MLF 3 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,245.42 -135.06	405.29
26 05 19 16-0133 MLF 4 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,533.67 -155.45	466.35
26 05 19 16-0134 MLF 5 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,758.68 -165.45	496.36
26 05 19 16-0135 MLF 7 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,363.68 -197.26	591.79
26 05 19 16-0136 MLF 9 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,938.39 -233.17	699.51
26 05 19 16-0137 MLF 12 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,618.44 -263.06	789.17
26 05 19 16-0138 MLF 15 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	4,331.45 -301.79	905.37
26 05 19 16-0139 MLF 19 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	5,153.77 -342.06	1,026.20
26 05 19 16-0140 MLF 25 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	6,684.25 -399.78	1,199.34
26 05 19 16-0141 MLF 30 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	7,731.11 -467.24	1,401.73
26 05 19 16-0142 MLF 37 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	9,391.77 -546.12	1,638.36
26 05 19 16-0143 MLF 2 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,256.59 -128.26	384.78
26 05 19 16-0144 MLF 3 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,611.69 -140.57	421.97
26 05 19 16-0145 MLF 4 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,987.06 -160.32	480.97
26 05 19 16-0146 MLF 5 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,337.29 -173.92	521.75
26 05 19 16-0147 MLF 7 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,202.70 -218.29	654.89
26 05 19 16-0148 MLF 9 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,829.65 -244.33	733.00
26 05 19 16-0149 MLF 12 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	4,461.96 -284.99	854.97
26 05 19 16-0150 MLF 15 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	5,298.77 -325.90	977.71
26 05 19 16-0151 MLF 19 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	6,323.40 -369.38	1,108.14
26 05 19 16-0152 MLF 25 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	8,249.54 -431.72	1,295.15
26 05 19 16-0153 MLF 30 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	9,536.20 -504.57	1,513.70
26 05 19 16-0154 MLF 37 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	11,608.79 -589.86	1,769.57

26 05 19 16-0155 Multi-Conductor Cords, Cables And Associated Equipment (26 05 19 16-0011)

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 19 16-0156	Cord Grips, Cable Reels, Extension Cords, And Accessories <small>(26 05 19 16-0156)</small>		
26 05 19 16-0157	Cable Reels <small>(26 05 19 16-0156)</small> Note: Includes handling, mounting, electrical connections and installing cord. See CSI section 26 05 19 16-0155 for cords.		
26 05 23	Control-Voltage Electrical Power Cables <small>(26 05)</small>		
26 05 23 00-0001	Cable For HVAC System Controls <small>(26 05 23)</small>		
26 05 23 00-0002	Low Voltage Thermostat Cable To 300 Volts <small>(26 05 23 00-0001)</small> Note: For surface or conduit installation.		
26 05 23 00-0003	MLF #20/2 Conductor, Low Volt Thermostat Cable	298.94	81.77
26 05 23 00-0004	MLF #20/3 Conductor, Low Volt Thermostat Cable	346.38	86.12
26 05 23 00-0005	MLF #20/4 Conductor, Low Volt Thermostat Cable	377.06	91.07
26 05 23 00-0006	MLF #20/5 Conductor, Low Volt Thermostat Cable	462.53	94.91
26 05 23 00-0007	MLF #20/6 Conductor, Low Volt Thermostat Cable	485.94	99.40
26 05 23 00-0008	MLF #20/7 Conductor, Low Volt Thermostat Cable	537.99	103.53
26 05 23 00-0009	MLF #20/8 Conductor, Low Volt Thermostat Cable	582.68	107.68
26 05 23 00-0010	MLF #20/9 Conductor, Low Volt Thermostat Cable	636.12	111.97
26 05 23 00-0011	MLF #20/10 Conductor, Low Volt Thermostat Cable	688.04	115.33
26 05 23 00-0012	MLF #18/2 Conductor, Low Volt Thermostat Cable	329.67	81.77
26 05 23 00-0013	MLF #18/3 Conductor, Low Volt Thermostat Cable	401.21	86.12
26 05 23 00-0014	MLF #18/4 Conductor, Low Volt Thermostat Cable	464.05	91.07
26 05 23 00-0015	MLF #18/5 Conductor, Low Volt Thermostat Cable	498.44	94.91
26 05 23 00-0016	MLF #18/6 Conductor, Low Volt Thermostat Cable	558.08	99.40
26 05 23 00-0017	MLF #18/7 Conductor, Low Volt Thermostat Cable	571.11	103.53
26 05 23 00-0018	MLF #18/8 Conductor, Low Volt Thermostat Cable	633.22	107.68
26 05 23 00-0019	MLF #18/9 Conductor, Low Volt Thermostat Cable	757.40	111.97
26 05 23 00-0020	MLF #18/10 Conductor, Low Volt Thermostat Cable	837.62	115.33
26 05 26	Grounding And Bonding For Electrical Systems <small>(26 05)</small>		
26 05 26 00-0001	Ground Rods <small>(26 05 26)</small>		
26 05 26 00-0002	Copper-Clad Ground Rods <small>(26 05 26 00-0001)</small>		
26 05 26 00-0003	EA 1/2" Diameter x 8' Long Copper-Clad Ground Rods	60.45	52.61
26 05 26 00-0004	EA 5/8" Diameter x 8' Long Copper-Clad Ground Rods	63.11	52.61
26 05 26 00-0005	EA 3/4" Diameter x 8' Long Copper-Clad Ground Rods	73.83	52.61
26 05 26 00-0006	EA 1/2" Diameter x 10' Long Copper-Clad Ground Rods	71.20	52.61
26 05 26 00-0007	EA 5/8" Diameter x 10' Long Copper-Clad Ground Rods	74.52	52.61
26 05 26 00-0008	EA 3/4" Diameter x 10' Long Copper-Clad Ground Rods	87.92	52.61
26 05 26 00-0009	Copper Grounding Shaft <small>(26 05 26 00-0001)</small>		
26 05 26 00-0010	EA 2-1/8" Diameter x 10' Long Copper Grounding Shaft.....	230.14	52.61
26 05 26 00-0011	EA 2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft.....	287.96	52.61
26 05 26 00-0012	EA 2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft.....	454.98	52.61
26 05 26 00-0013	Ground Access Wells <small>(26 05 26 00-0001)</small>		
26 05 26 00-0014	Precast Ground Access Wells <small>(26 05 26 00-0013)</small>		
26 05 26 00-0015	EA 8" Diameter x 24" Deep Precast Ground Access Well	147.52	
	Note: With cast iron grate.		
26 05 26 00-0016	EA 10" Diameter x 24" Deep Precast Ground Access Well	153.16	
	Note: With cast iron grate.		
26 05 26 00-0017	EA 12" Diameter x 24" Deep Precast Ground Access Well	437.94	
	Note: With cast iron grate.		
26 05 26 00-0018	EA 18" Diameter x 24" Deep Precast Ground Access Well	443.59	
	Note: With cast iron grate.		
26 05 26 00-0019	Polymer Concrete Ground Access Well <small>(26 05 26 00-0013)</small>		
26 05 26 00-0020	EA 12" x 12" x 12" Polymer Concrete Ground Access Well.....	276.75	
26 05 26 00-0021	EA 12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well.....	303.41	
26 05 26 00-0022	EA 12" x 12" x 18" Polymer Concrete Ground Access Well.....	304.82	
26 05 26 00-0023	EA 12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well.....	334.15	
26 05 26 00-0024	EA 12" x 12" x 24" Polymer Concrete Ground Access Well.....	333.97	
26 05 26 00-0025	EA 12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well.....	366.21	
26 05 26 00-0026	EA 13" x 24" x 18" Polymer Concrete Ground Access Well.....	444.86	
26 05 26 00-0027	EA 13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well.....	488.81	
26 05 26 00-0028	High Density Polyethylene (HDPE) Ground Access Well <small>(26 05 26 00-0013)</small>		
26 05 26 00-0029	EA 9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well.....	101.93	
	Note: With cover.		
26 05 26 00-0030	EA 14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well.....	141.78	
	Note: With cover.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0031 Ground Rod Clamps And Fittings <small>(26 05 26)</small>		
26 05 26 00-0032 Bronze Ground Rod Clamp <small>(26 05 26 00-0031)</small>		
26 05 26 00-0033 EA 1/2" Bronze Ground Rod Clamp	14.28	7.93
26 05 26 00-0034 EA 5/8" Bronze Ground Rod Clamp	14.95	7.93
26 05 26 00-0035 EA 3/4" Bronze Ground Rod Clamp	15.90	7.93
26 05 26 00-0036 Bronze Pipe Clamps <small>(26 05 26 00-0031)</small>		
26 05 26 00-0037 EA 1/2" To 1" Bronze Pipe Ground Clamps.....	19.77	13.18
26 05 26 00-0038 EA 1-1/4" To 2" Bronze Ground Clamps For Pipe.....	25.99	15.78
26 05 26 00-0039 EA 2-1/2" To 3" Bronze Ground Clamps For Pipe.....	43.11	18.45
26 05 26 00-0040 EA 2-1/2" To 4" Bronze Ground Clamps For Pipe.....	51.72	23.71
26 05 26 00-0041 EA 4" To 6" Bronze Ground Clamps For Pipe.....	80.96	34.23
26 05 26 00-0042 Grounding Fittings <small>(26 05 26 00-0031)</small>		
26 05 26 00-0043 Embedded Fittings <small>(26 05 26 00-0042)</small>		
26 05 26 00-0044 EA Ground Insert With 2 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded.....	96.19	
26 05 26 00-0045 EA Ground Insert With 4 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded.....	102.25	
26 05 26 00-0046 EA Ground Insert With 4 - 3/8 x 16 Holes 250-500 MCM Cable Range, Embedded.....	113.01	
26 05 26 00-0047 EA Grounding Wire Splice, Copper To Aluminum, #8 - 1 AWG.....	92.95	
26 05 26 00-0048 EA Grounding Wire Splice, Copper To Aluminum, 1/0 - 3/0 AWG.....	111.37	
26 05 26 00-0049 EA Grounding Wire Splice, Copper To Aluminum, 4/0 - 300 MCM.....	130.66	
26 05 26 00-0050 EA Grounding Wire Splice, Copper To Aluminum, 350 MCM And Up.....	147.33	
26 05 26 00-0051 Ground Rod Receptacle <small>(26 05 26 00-0042)</small>		
26 05 26 00-0052 EA 1/2" Ground Rod Receptacle	207.72	72.95
26 05 26 00-0053 EA 5/8" Ground Rod Receptacle	217.20	75.01
26 05 26 00-0054 EA 3/4" Ground Rod Receptacle	226.88	77.04
26 05 26 00-0055 Ground Kits For Circuit Breaker Panels <small>(26 05 26 00-0042)</small>		
26 05 26 00-0056 EA 14-8 AWG Copper Ground Kit	46.50	17.54
26 05 26 00-0057 EA 12-8 AWG Aluminum Ground Kit.....	41.70	17.54
26 05 26 00-0058 EA 14-4 AWG Copper Ground Kit.....	51.60	17.54
26 05 26 00-0059 EA 12-4 AWG Aluminum Ground Kit.....	46.34	17.54
26 05 26 00-0060 Insulated Grounding Bars <small>(26 05 26 00-0031)</small>		
26 05 26 00-0061 EA Insulated Ground Bar 1/2" x 4" x 10"	194.95	17.61
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.57
26 05 26 00-0062 EA Insulated Ground Bar SK 9560 1/2" x 4" x 20".....	204.80	17.61
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.57
26 05 26 00-0063 Ground Conductor Bonding <small>(26 05 26)</small>		
26 05 26 00-0064 Ground Conductor Bonding <small>(26 05 26 00-0063)</small>		
26 05 26 00-0065 Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld <small>(26 05 26 00-0064)</small>		
26 05 26 00-0066 EA Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	83.70	
	<i>Note: Includes molds, materials and all necessary tools to make connections.</i>	
26 05 26 00-0067 EA #4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	90.71	
	<i>Note: Includes molds, materials and all necessary tools to make connections.</i>	
26 05 26 00-0068 EA 1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	97.72	
	<i>Note: Includes molds, materials and all necessary tools to make connections.</i>	
26 05 26 00-0069 EA 250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	139.81	
	<i>Note: Includes molds, materials and all necessary tools to make connections.</i>	
26 05 26 00-0070 Tee, Wye Or Cross Cadweld <small>(26 05 26 00-0064)</small>		
26 05 26 00-0071 EA Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross.....	94.21	
	<i>Note: Includes molds, materials and all necessary tools to make connections.</i>	
26 05 26 00-0072 EA #4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross.....	108.24	
	<i>Note: Includes molds, materials and all necessary tools to make connections.</i>	
26 05 26 00-0073 EA 1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross.....	132.80	
	<i>Note: Includes molds, materials and all necessary tools to make connections.</i>	
26 05 26 00-0074 EA 250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross.....	160.85	
	<i>Note: Includes molds, materials and all necessary tools to make connections.</i>	
26 05 26 00-0075 Grounding Equipment <small>(26 05 26)</small>		
26 05 26 00-0076 Special Grounding Equipment <small>(26 05 26 00-0075)</small>		
26 05 26 00-0077 Ground Reels And Ground Bus <small>(26 05 26 00-0076)</small>		
26 05 26 00-0078 EA Ground Reel With 50' Of Galvanized Steel Cable	456.87	

26 Electrical**26 05 Common Work Results For Electrical****26 05 26 Grounding And Bonding For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0079			Copper Bars (26 05 26 00-0076)		
26 05 26 00-0080	LF		1/4" x 2" Copper Bar	26.38	
26 05 26 00-0081			Phenolic Insulators (26 05 26 00-0076)		
26 05 26 00-0082	EA		2" x 2" x 1" Long Phenolic Insulators	18.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.21	
26 05 26 00-0083			Grounding Studs (26 05 26 00-0076)		
26 05 26 00-0084	EA		Ball Grounding Stud.....	26.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.28	
26 05 26 00-0085			Equipment Ground Bar Kits (26 05 26 00-0076)		
26 05 26 00-0086	EA		Switch Rating 30 Ground Bar Kit	20.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.21	
26 05 26 00-0087	EA		Switch Rating 60 Ground Bar Kit	26.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 05 26 00-0088	EA		Switch Rating 100 Ground Bar Kit	31.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.26	
26 05 26 00-0089	EA		Switch Rating 200 Ground Bar Kit	54.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 26 00-0090			Panelboard Ground Bar Kits (26 05 26 00-0076)		
26 05 26 00-0091	EA		Panelboard Ground Bar Kit.....	78.72	5.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.26	
26 05 26 00-0092			Circuit Breaker Ground Bar Kits (26 05 26 00-0076)		
26 05 26 00-0093	EA		3 Circuit, Ground Bar Kit.....	17.38	3.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.16	
26 05 26 00-0094	EA		4 Circuit, Ground Bar Kit.....	17.06	3.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.16	
26 05 26 00-0095	EA		7 Circuit, Ground Bar Kit.....	17.59	3.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.16	
26 05 26 00-0096	EA		12 Circuit, Ground Bar Kit.....	19.94	3.58
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.58	
26 05 26 00-0097	EA		20 Circuit, Ground Bar Kit.....	22.72	4.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.00	
26 05 26 00-0098	EA		24 Circuit, Ground Bar Kit.....	25.07	4.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.42	
26 05 26 00-0099	EA		30 Circuit, Ground Bar Kit.....	28.01	5.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.05	
26 05 26 00-0100	EA		54 Circuit, Ground Bar Kit.....	32.40	5.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.89	
26 05 26 00-0101	EA		24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	35.72	4.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.42	
26 05 26 00-0102	EA		30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	39.51	5.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.05	
26 05 26 00-0103	EA		54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	44.01	5.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.89	
26 05 29			Hangers And Supports For Electrical Systems (26 05)		
26 05 29 00-0001			Supports (26 05 29)		
26 05 29 00-0002			One Hole Steel Conduit Straps (26 05 29 00-0001)		
26 05 29 00-0003	EA		1/2", One Hole Steel Conduit Strap	2.57	
			<i>For Work In Restricted Working Space, Add</i>	0.68	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.66	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.47	
			<i>For >500, Deduct</i>	-0.71	
26 05 29 00-0004	EA		3/4", One Hole Steel Conduit Strap	2.60	
			<i>For Work In Restricted Working Space, Add</i>	0.68	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.66	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.48	
			<i>For >500, Deduct</i>	-0.71	
26 05 29 00-0005	EA		1", One Hole Steel Conduit Strap	2.78	
			<i>For Work In Restricted Working Space, Add</i>	0.68	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.66	
			<i>For >50 To 100, Deduct</i>	-0.13	
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.49	
			<i>For >500, Deduct</i>	-0.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0006 EA 1-1/4", One Hole Steel Conduit Strap 2.92		
<i>For Work In Restricted Working Space, Add</i>	0.68	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.66	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.26	
<i>For >250 To 500, Deduct</i>	-0.50	
<i>For >500, Deduct</i>	-0.74	
26 05 29 00-0007 EA 1-1/2", One Hole Steel Conduit Strap 3.01		
<i>For Work In Restricted Working Space, Add</i>	0.68	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.66	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.26	
<i>For >250 To 500, Deduct</i>	-0.51	
<i>For >500, Deduct</i>	-0.75	
26 05 29 00-0008 EA 2", One Hole Steel Conduit Strap 3.57		
<i>For Work In Restricted Working Space, Add</i>	0.68	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.66	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.29	
<i>For >250 To 500, Deduct</i>	-0.55	
<i>For >500, Deduct</i>	-0.81	
26 05 29 00-0009 EA 2-1/2", One Hole Steel Conduit Strap 4.14		
<i>For Work In Restricted Working Space, Add</i>	0.68	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.66	
<i>For >50 To 100, Deduct</i>	-0.16	
<i>For >100 To 250, Deduct</i>	-0.32	
<i>For >250 To 500, Deduct</i>	-0.59	
<i>For >500, Deduct</i>	-0.86	
26 05 29 00-0010 EA 3", One Hole Steel Conduit Strap 4.33		
<i>For Work In Restricted Working Space, Add</i>	0.68	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.66	
<i>For >50 To 100, Deduct</i>	-0.16	
<i>For >100 To 250, Deduct</i>	-0.33	
<i>For >250 To 500, Deduct</i>	-0.61	
<i>For >500, Deduct</i>	-0.88	
26 05 29 00-0011 EA 3-1/2", One Hole Steel Conduit Strap 5.27		
<i>For Work In Restricted Working Space, Add</i>	0.68	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.66	
<i>For >50 To 100, Deduct</i>	-0.19	
<i>For >100 To 250, Deduct</i>	-0.38	
<i>For >250 To 500, Deduct</i>	-0.68	
<i>For >500, Deduct</i>	-0.98	
26 05 29 00-0012 EA 4", One Hole Steel Conduit Strap 6.01		
<i>For Work In Restricted Working Space, Add</i>	0.68	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.66	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100 To 250, Deduct</i>	-0.41	
<i>For >250 To 500, Deduct</i>	-0.73	
<i>For >500, Deduct</i>	-1.05	
26 05 29 00-0013 Two Hole Steel Conduit Straps (26 05 29 00-0001) 2.94		
26 05 29 00-0014 EA 1/2", Two Hole Steel Conduit Strap 2.94		
<i>For Work In Restricted Working Space, Add</i>	0.76	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.83	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.27	
<i>For >250 To 500, Deduct</i>	-0.54	
<i>For >500, Deduct</i>	-0.80	
26 05 29 00-0015 EA 3/4", Two Hole Steel Conduit Strap 3.00		
<i>For Work In Restricted Working Space, Add</i>	0.76	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.83	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.28	
<i>For >250 To 500, Deduct</i>	-0.54	
<i>For >500, Deduct</i>	-0.81	
26 05 29 00-0016 EA 1", Two Hole Steel Conduit Strap 3.03		
<i>For Work In Restricted Working Space, Add</i>	0.76	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.83	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.28	
<i>For >250 To 500, Deduct</i>	-0.54	
<i>For >500, Deduct</i>	-0.81	
26 05 29 00-0017 EA 1-1/4", Two Hole Steel Conduit Strap 3.08		
<i>For Work In Restricted Working Space, Add</i>	0.76	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.83	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.28	
<i>For >250 To 500, Deduct</i>	-0.55	
<i>For >500, Deduct</i>	-0.81	
26 05 29 00-0018 EA 1-1/2", Two Hole Steel Conduit Strap 3.11		
<i>For Work In Restricted Working Space, Add</i>	0.76	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.83	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.28	
<i>For >250 To 500, Deduct</i>	-0.55	
<i>For >500, Deduct</i>	-0.82	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0019	EA		2", Two Hole Steel Conduit Strap .....3.19		
			<i>For Work In Restricted Working Space, Add</i>	0.76	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.83	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.56	
			<i>For >500, Deduct</i>	-0.83	
26 05 29 00-0020	EA		2-1/2", Two Hole Steel Conduit Strap .....3.61		
			<i>For Work In Restricted Working Space, Add</i>	0.76	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.83	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.59	
			<i>For >500, Deduct</i>	-0.87	
26 05 29 00-0021	EA		3", Two Hole Steel Conduit Strap .....3.70		
			<i>For Work In Restricted Working Space, Add</i>	0.76	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.83	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.59	
			<i>For >500, Deduct</i>	-0.88	
26 05 29 00-0022	EA		3-1/2", Two Hole Steel Conduit Strap .....4.04		
			<i>For Work In Restricted Working Space, Add</i>	0.76	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.83	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.62	
			<i>For >500, Deduct</i>	-0.91	
26 05 29 00-0023	EA		4", Two Hole Steel Conduit Strap .....4.27		
			<i>For Work In Restricted Working Space, Add</i>	0.76	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.83	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.64	
			<i>For >500, Deduct</i>	-0.93	
26 05 29 00-0024			Clamp Back Spacers (26 05 29 00-0001) .....2.35		
26 05 29 00-0025	EA		1/2" Conduit, Clamp Back Spacer.....2.35		
			<i>For Work In Restricted Working Space, Add</i>	0.53	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.54	
			<i>For >50 To 100, Deduct</i>	-0.10	
			<i>For >100 To 250, Deduct</i>	-0.21	
			<i>For >250 To 500, Deduct</i>	-0.40	
			<i>For >500, Deduct</i>	-0.59	
26 05 29 00-0026	EA		3/4" Conduit, Clamp Back Spacer.....2.55		
			<i>For Work In Restricted Working Space, Add</i>	0.53	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.54	
			<i>For >50 To 100, Deduct</i>	-0.11	
			<i>For >100 To 250, Deduct</i>	-0.22	
			<i>For >250 To 500, Deduct</i>	-0.41	
			<i>For >500, Deduct</i>	-0.61	
26 05 29 00-0027	EA		1" Conduit, Clamp Back Spacer.....2.74		
			<i>For Work In Restricted Working Space, Add</i>	0.53	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.54	
			<i>For >50 To 100, Deduct</i>	-0.11	
			<i>For >100 To 250, Deduct</i>	-0.22	
			<i>For >250 To 500, Deduct</i>	-0.42	
			<i>For >500, Deduct</i>	-0.62	
26 05 29 00-0028	EA		1-1/4" Conduit, Clamp Back Spacer .....3.48		
			<i>For Work In Restricted Working Space, Add</i>	0.53	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.54	
			<i>For >50 To 100, Deduct</i>	-0.13	
			<i>For >100 To 250, Deduct</i>	-0.26	
			<i>For >250 To 500, Deduct</i>	-0.48	
			<i>For >500, Deduct</i>	-0.70	
26 05 29 00-0029	EA		1-1/2" Conduit, Clamp Back Spacer .....4.07		
			<i>For Work In Restricted Working Space, Add</i>	0.53	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.54	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.52	
			<i>For >500, Deduct</i>	-0.76	
26 05 29 00-0030	EA		2" Conduit, Clamp Back Spacer.....4.70		
			<i>For Work In Restricted Working Space, Add</i>	0.53	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.54	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.57	
			<i>For >500, Deduct</i>	-0.82	
26 05 29 00-0031	EA		2-1/2" Conduit, Clamp Back Spacer .....7.24		
			<i>For Work In Restricted Working Space, Add</i>	0.53	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.54	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.45	
			<i>For >250 To 500, Deduct</i>	-0.76	
			<i>For >500, Deduct</i>	-1.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0032 EA 3" Conduit, Clamp Back Spacer.....	10.28	
<i>For Work In Restricted Working Space, Add</i>	0.53	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.54	
<i>For >50 To 100, Deduct</i>	-0.30	
<i>For >100 To 250, Deduct</i>	-0.60	
<i>For >250 To 500, Deduct</i>	-0.99	
<i>For >500, Deduct</i>	-1.38	
26 05 29 00-0033 EA 3-1/2" Conduit, Clamp Back Spacer	13.23	
<i>For Work In Restricted Working Space, Add</i>	0.53	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.54	
<i>For >50 To 100, Deduct</i>	-0.37	
<i>For >100 To 250, Deduct</i>	-0.75	
<i>For >250 To 500, Deduct</i>	-1.21	
<i>For >500, Deduct</i>	-1.67	
26 05 29 00-0034 EA 4" Conduit, Clamp Back Spacer.....	27.07	
<i>For Work In Restricted Working Space, Add</i>	0.53	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.54	
<i>For >50 To 100, Deduct</i>	-0.72	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-2.25	
<i>For >500, Deduct</i>	-3.06	
26 05 29 00-0035 Conduit Clips <small>(26 05 29 00-0001)</small>		
Note: Push in or clip.		
26 05 29 00-0036 EA 1/2" Conduit Clip	2.83	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.66	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.49	
<i>For >500, Deduct</i>	-0.73	
26 05 29 00-0037 EA 3/4" Conduit Clip	2.83	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.66	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.49	
<i>For >500, Deduct</i>	-0.73	
26 05 29 00-0038 EA 1" Conduit Clip	2.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.66	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.49	
<i>For >500, Deduct</i>	-0.73	
26 05 29 00-0039 EA 1-1/4" Conduit Clip	2.90	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.66	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.26	
<i>For >250 To 500, Deduct</i>	-0.50	
<i>For >500, Deduct</i>	-0.74	
26 05 29 00-0040 Bolt And Nut Conduit Clips <small>(26 05 29 00-0001)</small>		
26 05 29 00-0041 EA 3/4" Bolt And Nut Conduit Clip (Minerallac 1B).....	3.52	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.80	
<i>For >50 To 100, Deduct</i>	-0.16	
<i>For >100 To 250, Deduct</i>	-0.32	
<i>For >250 To 500, Deduct</i>	-0.62	
<i>For >500, Deduct</i>	-0.91	
26 05 29 00-0042 EA 1" Bolt And Nut Conduit Clip (Minerallac 2B).....	3.63	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.80	
<i>For >50 To 100, Deduct</i>	-0.16	
<i>For >100 To 250, Deduct</i>	-0.32	
<i>For >250 To 500, Deduct</i>	-0.62	
<i>For >500, Deduct</i>	-0.93	
26 05 29 00-0043 EA 1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B).....	3.86	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.85	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.34	
<i>For >250 To 500, Deduct</i>	-0.66	
<i>For >500, Deduct</i>	-0.98	
26 05 29 00-0044 EA 1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B).....	3.93	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.85	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.35	
<i>For >250 To 500, Deduct</i>	-0.67	
<i>For >500, Deduct</i>	-0.99	
26 05 29 00-0045 EA 2" Bolt And Nut Conduit Clip (Minerallac 5B).....	4.36	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.85	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.37	
<i>For >250 To 500, Deduct</i>	-0.70	
<i>For >500, Deduct</i>	-1.03	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0046	EA		2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B).....	4.72	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.89	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500, Deduct</i>	-1.10	
26 05 29 00-0047	EA		3" Bolt And Nut Conduit Clip (Minerallac 7B).....	5.10	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.89	
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.78	
			<i>For >500, Deduct</i>	-1.14	
26 05 29 00-0048	EA		4" Bolt And Nut Conduit Clip (Minerallac 9B).....	9.05	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.98	
			<i>For >50 To 100, Deduct</i>	-0.31	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-1.12	
			<i>For >500, Deduct</i>	-1.61	
26 05 29 00-0049			Conduit Hanger From Flange, Wire Or Rod (26 05 29 00-0001)		
			Note: Bat wing.		
26 05 29 00-0050	EA		1/2", Conduit Hanger From Flange, Wire Or Rod.....	2.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.52	
			<i>For >50 To 100, Deduct</i>	-0.09	
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.36	
			<i>For >500, Deduct</i>	-0.54	
26 05 29 00-0051	EA		3/4", Conduit Hanger From Flange, Wire Or Rod.....	2.08	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.52	
			<i>For >50 To 100, Deduct</i>	-0.09	
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.37	
			<i>For >500, Deduct</i>	-0.54	
26 05 29 00-0052	EA		1", Conduit Hanger From Flange, Wire Or Rod.....	2.16	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.52	
			<i>For >50 To 100, Deduct</i>	-0.10	
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.37	
			<i>For >500, Deduct</i>	-0.55	
26 05 29 00-0053	EA		1-1/4", Conduit Hanger From Flange, Wire Or Rod.....	2.37	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.52	
			<i>For >50 To 100, Deduct</i>	-0.10	
			<i>For >100 To 250, Deduct</i>	-0.20	
			<i>For >250 To 500, Deduct</i>	-0.39	
			<i>For >500, Deduct</i>	-0.57	
26 05 29 00-0054			Beam Flange Clamps (26 05 29 00-0001)		
			Note: For threaded rod, nut not required.		
26 05 29 00-0055	EA		1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24).....	2.96	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.44	
			<i>For >500, Deduct</i>	-0.65	
26 05 29 00-0056	EA		5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58).....	2.90	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.44	
			<i>For >500, Deduct</i>	-0.64	
26 05 29 00-0057	EA		9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912).....	3.23	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.46	
			<i>For >500, Deduct</i>	-0.67	
26 05 29 00-0058			T-Bar Support Clips (26 05 29 00-0001)		
26 05 29 00-0059	EA		9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95).....	4.97	
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 250, Deduct</i>	-0.42	
			<i>For >250 To 500, Deduct</i>	-0.81	
			<i>For >500, Deduct</i>	-1.20	
26 05 29 00-0060	EA		15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS).....	4.72	
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500, Deduct</i>	-1.17	
26 05 29 00-0061	EA		15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16).....	1.77	
			<i>For >50 To 100, Deduct</i>	-0.07	
			<i>For >100 To 250, Deduct</i>	-0.13	
			<i>For >250 To 500, Deduct</i>	-0.24	
			<i>For >500, Deduct</i>	-0.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0062 EA 24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512)	14.31	
<i>For >50 To 100, Deduct</i>	-0.39	
<i>For >100 To 250, Deduct</i>	-0.79	
<i>For >250 To 500, Deduct</i>	-1.25	
<i>For >500, Deduct</i>	-1.71	
26 05 29 00-0063 Switch And Outlet Box Type Supports <small>(26 05 29 00-0001)</small>		
26 05 29 00-0064 EA 1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS)	3.61	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.45	
<i>For >500, Deduct</i>	-0.64	
26 05 29 00-0065 EA 1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500).....	3.06	
<i>For >50 To 100, Deduct</i>	-0.11	
<i>For >100 To 250, Deduct</i>	-0.22	
<i>For >250 To 500, Deduct</i>	-0.40	
<i>For >500, Deduct</i>	-0.59	
26 05 29 00-0066 EA Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	3.53	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.44	
<i>For >500, Deduct</i>	-0.63	
26 05 29 00-0067 EA Snap On, Switch And Outlet Box Support (Caddy MSF)	2.29	
<i>For >50 To 100, Deduct</i>	-0.09	
<i>For >100 To 250, Deduct</i>	-0.18	
<i>For >250 To 500, Deduct</i>	-0.35	
<i>For >500, Deduct</i>	-0.51	
26 05 29 00-0068 EA 1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI)	2.39	
<i>For >50 To 100, Deduct</i>	-0.09	
<i>For >100 To 250, Deduct</i>	-0.19	
<i>For >250 To 500, Deduct</i>	-0.35	
<i>For >500, Deduct</i>	-0.52	
26 05 29 00-0069 Lighting Fixture Hanger <small>(26 05 29 00-0001)</small>		
Note: For existing or owner furnished fixtures.		
26 05 29 00-0070 EA Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	3.34	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.31	
<i>For >250 To 500, Deduct</i>	-0.60	
<i>For >500, Deduct</i>	-0.90	
26 05 29 00-0071 PR Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	11.40	
<i>For >50 To 100, Deduct</i>	-0.36	
<i>For >100 To 250, Deduct</i>	-0.71	
<i>For >250 To 500, Deduct</i>	-1.21	
<i>For >500, Deduct</i>	-1.70	
26 05 29 00-0072 PR Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	15.63	
<i>For >50 To 100, Deduct</i>	-0.46	
<i>For >100 To 250, Deduct</i>	-0.92	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-2.13	
26 05 29 00-0073 Rigid Steel Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0001)</small>		
26 05 29 00-0074 EA 1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.05	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.26	
<i>For >250 To 500, Deduct</i>	-0.49	
<i>For >500, Deduct</i>	-0.73	
<i>For Work In Restricted Working Space, Add</i>	0.63	
26 05 29 00-0075 EA 3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.07	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.26	
<i>For >250 To 500, Deduct</i>	-0.49	
<i>For >500, Deduct</i>	-0.73	
<i>For Work In Restricted Working Space, Add</i>	0.63	
26 05 29 00-0076 EA 1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.14	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.26	
<i>For >250 To 500, Deduct</i>	-0.50	
<i>For >500, Deduct</i>	-0.74	
<i>For Work In Restricted Working Space, Add</i>	0.63	
26 05 29 00-0077 EA 1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.94	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.34	
<i>For >250 To 500, Deduct</i>	-0.65	
<i>For >500, Deduct</i>	-0.96	
<i>For Work In Restricted Working Space, Add</i>	0.84	
26 05 29 00-0078 EA 1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.33	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.36	
<i>For >250 To 500, Deduct</i>	-0.68	
<i>For >500, Deduct</i>	-1.00	
<i>For Work In Restricted Working Space, Add</i>	0.84	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0079	EA		2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.37	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500, Deduct</i>	-1.00	
			<i>For Work In Restricted Working Space, Add</i>	0.84	
26 05 29 00-0080	EA		2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.34	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500, Deduct</i>	-1.24	
			<i>For Work In Restricted Working Space, Add</i>	1.05	
26 05 29 00-0081	EA		3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.68	
			<i>For >50 To 100, Deduct</i>	-0.23	
			<i>For >100 To 250, Deduct</i>	-0.46	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500, Deduct</i>	-1.27	
			<i>For Work In Restricted Working Space, Add</i>	1.05	
26 05 29 00-0082	EA		3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.01	
			<i>For >50 To 100, Deduct</i>	-0.24	
			<i>For >100 To 250, Deduct</i>	-0.48	
			<i>For >250 To 500, Deduct</i>	-0.89	
			<i>For >500, Deduct</i>	-1.30	
			<i>For Work In Restricted Working Space, Add</i>	1.05	
26 05 29 00-0083	EA		4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.12	
			<i>For >50 To 100, Deduct</i>	-0.24	
			<i>For >100 To 250, Deduct</i>	-0.48	
			<i>For >250 To 500, Deduct</i>	-0.90	
			<i>For >500, Deduct</i>	-1.31	
			<i>For Work In Restricted Working Space, Add</i>	1.05	
26 05 29 00-0084			Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0001)</small>		
26 05 29 00-0085	EA		1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.30	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.27	
			<i>For >250 To 500, Deduct</i>	-0.51	
			<i>For >500, Deduct</i>	-0.75	
			<i>For Work In Restricted Working Space, Add</i>	0.63	
26 05 29 00-0086	EA		3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.27	
			<i>For >50 To 100, Deduct</i>	-0.13	
			<i>For >100 To 250, Deduct</i>	-0.27	
			<i>For >250 To 500, Deduct</i>	-0.51	
			<i>For >500, Deduct</i>	-0.75	
			<i>For Work In Restricted Working Space, Add</i>	0.63	
26 05 29 00-0087	EA		1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.23	
			<i>For >50 To 100, Deduct</i>	-0.13	
			<i>For >100 To 250, Deduct</i>	-0.27	
			<i>For >250 To 500, Deduct</i>	-0.51	
			<i>For >500, Deduct</i>	-0.75	
			<i>For Work In Restricted Working Space, Add</i>	0.63	
26 05 29 00-0088	EA		1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	4.25	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.67	
			<i>For >500, Deduct</i>	-0.99	
			<i>For Work In Restricted Working Space, Add</i>	0.84	
26 05 29 00-0089	EA		1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	4.91	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-1.05	
			<i>For Work In Restricted Working Space, Add</i>	0.84	
26 05 29 00-0090	EA		2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	4.95	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-1.06	
			<i>For Work In Restricted Working Space, Add</i>	0.84	
26 05 29 00-0091			"J" Type Conduit Hangers <small>(26 05 29 00-0001)</small>		
26 05 29 00-0092	EA		1/2", "J" Type Conduit Hanger (Unistrut J1205)	13.80	
			<i>For >50 To 100, Deduct</i>	-0.47	
			<i>For >100 To 250, Deduct</i>	-0.94	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-2.36	
			<i>For Work In Restricted Working Space, Add</i>	1.47	
26 05 29 00-0093	EA		3/4", "J" Type Conduit Hanger (Unistrut J1207)	13.95	
			<i>For >50 To 100, Deduct</i>	-0.47	
			<i>For >100 To 250, Deduct</i>	-0.94	
			<i>For >250 To 500, Deduct</i>	-1.66	
			<i>For >500, Deduct</i>	-2.38	
			<i>For Work In Restricted Working Space, Add</i>	1.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0094 EA 1", "J" Type Conduit Hanger (Unistrut J1210).....	14.80	
<i>For >50 To 100, Deduct</i>	-0.51	
<i>For >100 To 250, Deduct</i>	-1.02	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.60	
<i>For Work In Restricted Working Space, Add</i>	1.68	
26 05 29 00-0095 EA 1-1/4", "J" Type Conduit Hanger (Unistrut J1212).....	14.96	
<i>For >50 To 100, Deduct</i>	-0.51	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.82	
<i>For >500, Deduct</i>	-2.62	
<i>For Work In Restricted Working Space, Add</i>	1.68	
26 05 29 00-0096 EA 1-1/2", "J" Type Conduit Hanger (Unistrut J1215).....	15.78	
<i>For >50 To 100, Deduct</i>	-0.55	
<i>For >100 To 250, Deduct</i>	-1.11	
<i>For >250 To 500, Deduct</i>	-1.97	
<i>For >500, Deduct</i>	-2.84	
<i>For Work In Restricted Working Space, Add</i>	1.90	
26 05 29 00-0097 EA 2", "J" Type Conduit Hanger (Unistrut J1220).....	16.42	
<i>For >50 To 100, Deduct</i>	-0.57	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-2.02	
<i>For >500, Deduct</i>	-2.91	
<i>For Work In Restricted Working Space, Add</i>	1.90	
26 05 29 00-0098 EA 2-1/2", "J" Type Conduit Hanger (Unistrut J1225).....	26.14	
<i>For >50 To 100, Deduct</i>	-0.83	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.84	
<i>For >500, Deduct</i>	-4.02	
<i>For Work In Restricted Working Space, Add</i>	2.11	
26 05 29 00-0099 EA 3", "J" Type Conduit Hanger (Unistrut J1230).....	27.79	
<i>For >50 To 100, Deduct</i>	-0.89	
<i>For >100 To 250, Deduct</i>	-1.78	
<i>For >250 To 500, Deduct</i>	-3.05	
<i>For >500, Deduct</i>	-4.32	
<i>For Work In Restricted Working Space, Add</i>	2.32	
26 05 29 00-0100 EA 3-1/2", "J" Type Conduit Hanger (Unistrut J1235).....	29.92	
<i>For >50 To 100, Deduct</i>	-0.96	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-3.30	
<i>For >500, Deduct</i>	-4.68	
<i>For Work In Restricted Working Space, Add</i>	2.53	
26 05 29 00-0101 EA 4", "J" Type Conduit Hanger (Unistrut J1240).....	39.70	
<i>For >50 To 100, Deduct</i>	-1.20	
<i>For >100 To 250, Deduct</i>	-2.41	
<i>For >250 To 500, Deduct</i>	-4.03	
<i>For >500, Deduct</i>	-5.65	
<i>For Work In Restricted Working Space, Add</i>	2.53	
26 05 29 00-0102 EA 5", "J" Type Conduit Hanger (Unistrut J1250).....	43.61	
<i>For >50 To 100, Deduct</i>	-1.32	
<i>For >100 To 250, Deduct</i>	-2.64	
<i>For >250 To 500, Deduct</i>	-4.41	
<i>For >500, Deduct</i>	-6.18	
<i>For Work In Restricted Working Space, Add</i>	2.73	
26 05 29 00-0103 EA 6", "J" Type Conduit Hanger (Unistrut J1260).....	61.42	
<i>For >50 To 100, Deduct</i>	-1.80	
<i>For >100 To 250, Deduct</i>	-3.60	
<i>For >250 To 500, Deduct</i>	-5.92	
<i>For >500, Deduct</i>	-8.25	
<i>For Work In Restricted Working Space, Add</i>	3.16	
26 05 29 00-0104 Between Studs Box Brackets <small>(26 05 29 00-0001)</small>		
26 05 29 00-0105 EA 16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	4.99	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.36	
<i>For >250 To 500, Deduct</i>	-0.64	
<i>For >500, Deduct</i>	-0.92	
<i>For Work In Restricted Working Space, Add</i>	0.63	
26 05 29 00-0106 EA 24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	5.99	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100 To 250, Deduct</i>	-0.41	
<i>For >250 To 500, Deduct</i>	-0.71	
<i>For >500, Deduct</i>	-1.02	
<i>For Work In Restricted Working Space, Add</i>	0.63	
26 05 29 00-0107 Hangers And Brackets <small>(26 05 29 00-0001)</small>		
26 05 29 00-0108 EA Rod Hangers Only With 1/4" Thread Impression (Caddy 4T1)	1.78	
<i>For >50 To 100, Deduct</i>	-0.08	
<i>For >100 To 250, Deduct</i>	-0.16	
<i>For >250 To 500, Deduct</i>	-0.31	
<i>For >500, Deduct</i>	-0.46	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0109	EA		Angle Bracket Only With 1/4" Hole (Caddy AB).....	1.72	
			<i>For >50 To 100, Deduct</i>	-0.08	
			<i>For >100 To 250, Deduct</i>	-0.16	
			<i>For >250 To 500, Deduct</i>	-0.30	
			<i>For >500, Deduct</i>	-0.45	
26 05 29 00-0110	EA		Offset Bracket Only With 1/4" Hole (Caddy AO).....	1.72	
			<i>For >50 To 100, Deduct</i>	-0.08	
			<i>For >100 To 250, Deduct</i>	-0.16	
			<i>For >250 To 500, Deduct</i>	-0.30	
			<i>For >500, Deduct</i>	-0.45	
26 05 29 00-0111	EA		Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB).....	2.32	
			<i>For >50 To 100, Deduct</i>	-0.09	
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.35	
			<i>For >500, Deduct</i>	-0.51	
26 05 29 00-0112	EA		Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB).....	2.33	
			<i>For >50 To 100, Deduct</i>	-0.09	
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.35	
			<i>For >500, Deduct</i>	-0.51	
26 05 29 00-0113	EA		Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB).....	2.26	
			<i>For >50 To 100, Deduct</i>	-0.09	
			<i>For >100 To 250, Deduct</i>	-0.18	
			<i>For >250 To 500, Deduct</i>	-0.34	
			<i>For >500, Deduct</i>	-0.51	
26 05 29 00-0114	EA		Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO).....	2.32	
			<i>For >50 To 100, Deduct</i>	-0.09	
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.35	
			<i>For >500, Deduct</i>	-0.51	
26 05 29 00-0115	EA		Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO).....	2.33	
			<i>For >50 To 100, Deduct</i>	-0.09	
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.35	
			<i>For >500, Deduct</i>	-0.51	
26 05 29 00-0116			Clips And Accessories <small>(26 05 29 00-0001)</small>		
26 05 29 00-0117	EA		1/2" Diameter Center, Bridle Ring (Caddy 2BR).....	1.20	
			<i>For >50 To 100, Deduct</i>	-0.05	
			<i>For >100 To 250, Deduct</i>	-0.10	
			<i>For >250 To 500, Deduct</i>	-0.20	
			<i>For >500, Deduct</i>	-0.29	
26 05 29 00-0118	EA		3/4" Diameter Center, Bridle Ring (Caddy 2BR12).....	1.22	
			<i>For >50 To 100, Deduct</i>	-0.05	
			<i>For >100 To 250, Deduct</i>	-0.10	
			<i>For >250 To 500, Deduct</i>	-0.20	
			<i>For >500, Deduct</i>	-0.30	
26 05 29 00-0119	EA		1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20).....	1.31	
			<i>For >50 To 100, Deduct</i>	-0.05	
			<i>For >100 To 250, Deduct</i>	-0.11	
			<i>For >250 To 500, Deduct</i>	-0.21	
			<i>For >500, Deduct</i>	-0.31	
26 05 29 00-0120	EA		2" Diameter Center, Bridle Ring (Caddy 2BR32).....	1.50	
			<i>For >50 To 100, Deduct</i>	-0.06	
			<i>For >100 To 250, Deduct</i>	-0.12	
			<i>For >250 To 500, Deduct</i>	-0.22	
			<i>For >500, Deduct</i>	-0.32	
26 05 29 00-0121			Wire Ties <small>(26 05 29 00-0001)</small>		
			Note: Per hundred (C).		
26 05 29 00-0122	C		3" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	10.18	
			<i>For UV Black, Add</i>	0.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.20	
26 05 29 00-0123	C		4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	10.29	
			<i>For UV Black, Add</i>	0.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.20	
26 05 29 00-0124	C		4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	10.37	
			<i>For UV Black, Add</i>	0.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.20	
26 05 29 00-0125	C		5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	10.40	
			<i>For UV Black, Add</i>	0.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.20	
26 05 29 00-0126	C		6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	10.75	
			<i>For UV Black, Add</i>	0.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.29	
26 05 29 00-0127	C		8" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	13.52	
			<i>For UV Black, Add</i>	0.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.40	
26 05 29 00-0128	C		4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	13.25	
			<i>For UV Black, Add</i>	0.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.20	
26 05 29 00-0129	C		6" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	13.61	
			<i>For UV Black, Add</i>	0.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0130 C 8" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	14.00	
For UV Black, Add	0.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.40	
26 05 29 00-0131 C 10" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	22.46	
For UV Black, Add	2.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.58	
26 05 29 00-0132 C 11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	23.71	
For UV Black, Add	2.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.58	
26 05 29 00-0133 C 7" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	14.87	
For UV Black, Add	1.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.40	
26 05 29 00-0134 C 8" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	13.76	
For UV Black, Add	0.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.40	
26 05 29 00-0135 C 11" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	22.81	
For UV Black, Add	2.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.58	
26 05 29 00-0136 C 14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	26.60	
For UV Black, Add	2.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.75	
26 05 29 00-0137 C 8" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	26.72	
For UV Black, Add	2.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.40	
26 05 29 00-0138 C 11" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	29.34	
For UV Black, Add	3.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.58	
26 05 29 00-0139 C 15" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	36.42	
For UV Black, Add	4.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.75	
26 05 29 00-0140 C 17" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	54.44	
For UV Black, Add	6.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.93	
26 05 29 00-0141 C 17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	52.54	
For UV Black, Add	6.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.93	
26 05 29 00-0142 C 21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	65.19	
For UV Black, Add	8.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
26 05 29 00-0143 C 30" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	76.23	
For UV Black, Add	9.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.21	
26 05 29 00-0144 C 46" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	106.75	
For UV Black, Add	14.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.47	
26 05 29 00-0145 C 3/4" x 3/4" Self Adhesive Tie Mounts.....	23.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.59	
26 05 29 00-0146 C 1.1" x 1.1" Tie Mounts With Screw.....	46.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.18	
26 05 29 00-0147 EA 6" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.11	
26 05 29 00-0148 EA 8" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.09	
26 05 29 00-0149 EA 12" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.09	
26 05 29 00-0150 EA 15" Length x 3/4" Width, Velcro Grip Cable Tie.....	2.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.09	
26 05 29 00-0151 EA 180" Length x 3/4" Width, Velcro Grip Cable Tie Roll.....	53.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.66	
26 05 29 00-0152 Fastening Devices For Wireway And Conduit <small>(26 05 29)</small>		
Note: Bolts include drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports.		
26 05 29 00-0153 Toggle Bolts <small>(26 05 29 00-0152)</small>		
Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0154 EA 1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	5.43	
For >50 To 100, Deduct	-0.52	
For >100 To 250, Deduct	-1.04	
For >250 To 500, Deduct	-1.82	
For >500, Deduct	-2.60	
26 05 29 00-0155 EA 1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	5.58	
For >50 To 100, Deduct	-0.53	
For >100 To 250, Deduct	-1.07	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.66	
26 05 29 00-0156 EA 3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	5.88	
For >50 To 100, Deduct	-0.55	
For >100 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.92	
For >500, Deduct	-2.74	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0157	EA		3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	6.03	
			<i>For >50 To 100, Deduct</i>	-0.56	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.81	
26 05 29 00-0158	EA		1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	6.17	
			<i>For >50 To 100, Deduct</i>	-0.58	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-2.02	
			<i>For >500, Deduct</i>	-2.88	
26 05 29 00-0159	EA		5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	6.93	
			<i>For >50 To 100, Deduct</i>	-0.61	
			<i>For >100 To 250, Deduct</i>	-1.21	
			<i>For >250 To 500, Deduct</i>	-2.11	
			<i>For >500, Deduct</i>	-3.00	
26 05 29 00-0160	EA		3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	7.21	
			<i>For >50 To 100, Deduct</i>	-0.62	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-3.08	
26 05 29 00-0161			Machine Screws <small>(26 05 29 00-0162)</small>		
			Note: Includes drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0162	EA		#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	1.60	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500, Deduct</i>	-0.78	
26 05 29 00-0163	EA		#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	1.63	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500, Deduct</i>	-0.78	
26 05 29 00-0164	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.05	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.40	
			<i>For >250 To 500, Deduct</i>	-0.69	
			<i>For >500, Deduct</i>	-0.99	
26 05 29 00-0165	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.14	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.40	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-1.00	
26 05 29 00-0166	EA		3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.63	
			<i>For >50 To 100, Deduct</i>	-0.24	
			<i>For >100 To 250, Deduct</i>	-0.48	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500, Deduct</i>	-1.20	
26 05 29 00-0167			Hex Lag Bolts With Lag Shield Expansion Anchors <small>(26 05 29 00-0167)</small>		
			Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0168	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	2.60	
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 250, Deduct</i>	-0.42	
			<i>For >250 To 500, Deduct</i>	-0.73	
			<i>For >500, Deduct</i>	-1.04	
26 05 29 00-0169	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	2.57	
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 250, Deduct</i>	-0.42	
			<i>For >250 To 500, Deduct</i>	-0.73	
			<i>For >500, Deduct</i>	-1.04	
26 05 29 00-0170	EA		3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	3.61	
			<i>For >50 To 100, Deduct</i>	-0.27	
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.91	
			<i>For >500, Deduct</i>	-1.30	
26 05 29 00-0171	EA		1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	4.58	
			<i>For >50 To 100, Deduct</i>	-0.32	
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-1.09	
			<i>For >500, Deduct</i>	-1.55	
26 05 29 00-0172			Hanger Lag Bolts With Hex Nuts <small>(26 05 29 00-0172)</small>		
			Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0173	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	1.93	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.57	
			<i>For >500, Deduct</i>	-0.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0174 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	1.96	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.33	
<i>For >250 To 500, Deduct</i>	-0.57	
<i>For >500, Deduct</i>	-0.82	
26 05 29 00-0175 EA 3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	2.33	
<i>For >50 To 100, Deduct</i>	-0.19	
<i>For >100 To 250, Deduct</i>	-0.38	
<i>For >250 To 500, Deduct</i>	-0.65	
<i>For >500, Deduct</i>	-0.93	
26 05 29 00-0176 Hollow Wall Screw Anchors <small>(26 05 29 00-0152)</small>		
26 05 29 00-0177 EA 6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.14	
<i>For >50 To 100, Deduct</i>	-0.10	
<i>For >100 To 250, Deduct</i>	-0.20	
<i>For >250 To 500, Deduct</i>	-0.34	
<i>For >500, Deduct</i>	-0.49	
26 05 29 00-0178 EA 6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.17	
<i>For >50 To 100, Deduct</i>	-0.10	
<i>For >100 To 250, Deduct</i>	-0.20	
<i>For >250 To 500, Deduct</i>	-0.34	
<i>For >500, Deduct</i>	-0.49	
26 05 29 00-0179 EA 6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.23	
<i>For >50 To 100, Deduct</i>	-0.10	
<i>For >100 To 250, Deduct</i>	-0.20	
<i>For >250 To 500, Deduct</i>	-0.35	
<i>For >500, Deduct</i>	-0.50	
26 05 29 00-0180 EA 10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.56	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.24	
<i>For >250 To 500, Deduct</i>	-0.42	
<i>For >500, Deduct</i>	-0.59	
26 05 29 00-0181 EA 10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.63	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.42	
<i>For >500, Deduct</i>	-0.60	
26 05 29 00-0182 EA 10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.65	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.42	
<i>For >500, Deduct</i>	-0.60	
26 05 29 00-0183 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.67	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.43	
<i>For >500, Deduct</i>	-0.60	
26 05 29 00-0184 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.77	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.43	
<i>For >500, Deduct</i>	-0.61	
26 05 29 00-0185 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.81	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.44	
<i>For >500, Deduct</i>	-0.62	
26 05 29 00-0186 Lead Screw Anchors <small>(26 05 29 00-0152)</small>		
Note: Includes screw.		
26 05 29 00-0187 EA #6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw.....	2.67	
<i>For >50 To 100, Deduct</i>	-0.25	
<i>For >100 To 250, Deduct</i>	-0.49	
<i>For >250 To 500, Deduct</i>	-0.86	
<i>For >500, Deduct</i>	-1.22	
26 05 29 00-0188 EA #10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw.....	3.17	
<i>For >50 To 100, Deduct</i>	-0.29	
<i>For >100 To 250, Deduct</i>	-0.57	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.43	
26 05 29 00-0189 EA #16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw.....	4.28	
<i>For >50 To 100, Deduct</i>	-0.37	
<i>For >100 To 250, Deduct</i>	-0.74	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.84	
26 05 29 00-0190 Nailing Anchor Hilti HPS Impact Anchor Or Equal <small>(26 05 29 00-0152)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0191	EA		1/4" x 1" Nail-In Drilling In Concrete, Concrete Block, Wood Or Steel	0.95	
			<i>For >50 To 100, Deduct</i>	-0.07	
			<i>For >100 To 250, Deduct</i>	-0.15	
			<i>For >250 To 500, Deduct</i>	-0.25	
			<i>For >500, Deduct</i>	-0.36	
26 05 29 00-0192	EA		1/4" x 1-3/4" Nail-In Drilling In Concrete, Concrete Block, Wood Or Steel	1.64	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.48	
			<i>For >500, Deduct</i>	-0.68	
26 05 29 00-0193	EA		1/4" x 2-1/8" Nail-In Drilling In Concrete, Concrete Block, Wood Or Steel	2.35	
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.71	
			<i>For >500, Deduct</i>	-1.02	
26 05 29 00-0194			Acoustical T-Bar Clips <small>(26 05 29 00-0152)</small>		
			Note: For conduit installation above suspended ceilings up to 15' height.		
26 05 29 00-0195	EA		1/2" Conduit, Push-In Acoustical T-Bar Clip	4.46	
			<i>For >50 To 100, Deduct</i>	-0.34	
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500, Deduct</i>	-1.64	
26 05 29 00-0196	EA		3/4" Conduit, Push-In Acoustical T-Bar Clip	4.68	
			<i>For >50 To 100, Deduct</i>	-0.35	
			<i>For >100 To 250, Deduct</i>	-0.71	
			<i>For >250 To 500, Deduct</i>	-1.22	
			<i>For >500, Deduct</i>	-1.73	
26 05 29 00-0197	EA		1" Conduit, Push-In Acoustical T-Bar Clip	5.09	
			<i>For >50 To 100, Deduct</i>	-0.38	
			<i>For >100 To 250, Deduct</i>	-0.75	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.84	
26 05 29 00-0198			Threaded Rod, Accessories And Attachments <small>(26 05 29)</small>		
26 05 29 00-0199			Threaded Rod And Rod Accessories <small>(26 05 29 00-0198)</small>		
26 05 29 00-0200			Carbon Steel Threaded Rod <small>(26 05 29 00-0199)</small>		
			Note: Includes plain finish.		
26 05 29 00-0201	LF		3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.16	0.44
			<i>For Galvanized, Add</i>	0.52	
			<i>For Zinc Coated, Add</i>	0.37	
26 05 29 00-0202	LF		1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.97	0.47
			<i>For Galvanized, Add</i>	0.82	
			<i>For Zinc Coated, Add</i>	0.58	
26 05 29 00-0203	LF		5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.14	0.48
			<i>For Galvanized, Add</i>	1.27	
			<i>For Zinc Coated, Add</i>	0.90	
26 05 29 00-0204	LF		3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.75	0.50
			<i>For Galvanized, Add</i>	2.30	
			<i>For Zinc Coated, Add</i>	1.64	
26 05 29 00-0205	LF		7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.36	0.51
			<i>For Galvanized, Add</i>	2.53	
			<i>For Zinc Coated, Add</i>	1.80	
26 05 29 00-0206	LF		1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.06	0.58
			<i>For Galvanized, Add</i>	3.55	
			<i>For Zinc Coated, Add</i>	2.53	
26 05 29 00-0207	LF		1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.50	0.65
			<i>For Galvanized, Add</i>	4.48	
			<i>For Zinc Coated, Add</i>	3.19	
26 05 29 00-0208			Threaded Rod Couplings <small>(26 05 29 00-0199)</small>		
26 05 29 00-0209	EA		3/8" Diameter, Threaded Rod Coupling Nut	5.56	
26 05 29 00-0210	EA		1/2" Diameter, Threaded Rod Coupling Nut	6.31	
26 05 29 00-0211	EA		5/8" Diameter, Threaded Rod Coupling Nut	7.83	
26 05 29 00-0212	EA		3/4" Diameter, Threaded Rod Coupling Nut	9.48	
26 05 29 00-0213	EA		7/8" Diameter, Threaded Rod Coupling Nut	13.68	
26 05 29 00-0214	EA		1" Diameter, Threaded Rod Coupling Nut	16.21	
26 05 29 00-0215	EA		1-1/8" Diameter, Threaded Rod Coupling Nut	30.42	
26 05 29 00-0216			Flat Washers <small>(26 05 29 00-0199)</small>		
26 05 29 00-0217	EA		3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.48	0.17
			<i>For Galvanized, Add</i>	0.02	
26 05 29 00-0218	EA		1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.61	0.17
			<i>For Galvanized, Add</i>	0.04	
26 05 29 00-0219	EA		5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.79	0.17
			<i>For Galvanized, Add</i>	0.08	
26 05 29 00-0220	EA		3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.96	0.35
			<i>For Galvanized, Add</i>	0.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0221 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer..... <i>For Galvanized, Add</i>	1.07 0.14	0.35
26 05 29 00-0222 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer..... <i>For Galvanized, Add</i>	1.26 0.17	0.35
26 05 29 00-0223 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer..... <i>For Galvanized, Add</i>	1.42 0.19	0.35
26 05 29 00-0224 Malleable Iron Eye Sockets (26 05 29 00-0199) Note: Type 16.		
26 05 29 00-0225 EA 3/8" Rod Size, Malleable Iron Eye Socket	7.35	
26 05 29 00-0226 EA 1/2" Rod Size, Malleable Iron Eye Socket	8.84	
26 05 29 00-0227 EA 5/8" Rod Size, Malleable Iron Eye Socket	15.72	
26 05 29 00-0228 EA 3/4" Rod Size, Malleable Iron Eye Socket	22.59	
26 05 29 00-0229 EA 7/8" Rod Size, Malleable Iron Eye Socket	24.03	
26 05 29 00-0230 Hex Nuts (26 05 29 00-0199)		
26 05 29 00-0231 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i>	0.46 0.02	0.17
26 05 29 00-0232 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i>	0.58 0.04	0.17
26 05 29 00-0233 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i>	0.79 0.08	0.17
26 05 29 00-0234 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i>	0.93 0.11	0.35
26 05 29 00-0235 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i>	1.33 0.21	0.35
26 05 29 00-0236 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i>	1.70 0.28	0.35
26 05 29 00-0237 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i>	2.77 0.53	0.35
26 05 29 00-0238 Forged Steel Turnbuckles (26 05 29 00-0199) Note: Type 13.		
26 05 29 00-0239 EA 3/8" Thread Diameter, Forged Steel Turnbuckle Body	17.82	
26 05 29 00-0240 EA 1/2" Thread Diameter, Forged Steel Turnbuckle Body	22.15	
26 05 29 00-0241 EA 5/8" Thread Diameter, Forged Steel Turnbuckle Body	29.90	
26 05 29 00-0242 EA 3/4" Thread Diameter, Forged Steel Turnbuckle Body	37.13	
26 05 29 00-0243 EA 7/8" Thread Diameter, Forged Steel Turnbuckle Body	93.35	
26 05 29 00-0244 EA 1" Thread Diameter, Forged Steel Turnbuckle Body	61.19	
26 05 29 00-0245 EA 1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	124.65	
26 05 29 00-0246 Attachments (26 05 29 00-0199)		
26 05 29 00-0247 Welded Beam Attachments (26 05 29 00-0246) Note: Type 22.		
26 05 29 00-0248 EA 3/8" Rod Size, Welded Beam Attachment	32.55	7.02
26 05 29 00-0249 EA 1/2" Rod Size, Welded Beam Attachment	34.74	7.37
26 05 29 00-0250 EA 5/8" Rod Size, Welded Beam Attachment	37.00	7.79
26 05 29 00-0251 EA 3/4" Rod Size, Welded Beam Attachment	47.52	8.28
26 05 29 00-0252 EA 7/8" Rod Size, Welded Beam Attachment	57.23	8.76
26 05 29 00-0253 EA 1" Rod Size, Welded Beam Attachment	80.63	10.03
26 05 29 00-0254 EA 1-1/8" Rod Size, Welded Beam Attachment	114.87	10.52
26 05 29 00-0255 C-Clamp Style Beam Clamps (26 05 29 00-0246) Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0256 EA 3/8" Rod Size, C-Clamp Style Beam Clamp	11.05	5.27
26 05 29 00-0257 EA 1/2" Rod Size, C-Clamp Style Beam Clamp	13.29	5.63
26 05 29 00-0258 EA 5/8" Rod Size, C-Clamp Style Beam Clamp	15.14	6.03
26 05 29 00-0259 EA 3/4" Rod Size, C-Clamp Style Beam Clamp	19.66	6.49
26 05 29 00-0260 EA 7/8" Rod Size, C-Clamp Style Beam Clamp	28.90	7.03
26 05 29 00-0261 Bottom Mount I-Beam Clamps (26 05 29 00-0246) Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0262 EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	31.60	7.03
26 05 29 00-0263 EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	46.86	7.67
26 05 29 00-0264 EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	67.33	8.44
26 05 29 00-0265 EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	80.72	9.37
26 05 29 00-0266 EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	197.31	10.54
26 05 29 00-0267 Steel U-Bolts (26 05 29 00-0246) Note: Type 24. Includes plate and nuts.		
26 05 29 00-0268 EA 1/2" Pipe Size, Zinc Plated Steel, U-Bolt	9.02	4.22
26 05 29 00-0269 EA 3/4" Pipe Size, Zinc Plated Steel, U-Bolt	9.80	4.44
26 05 29 00-0270 EA 1" Pipe Size, Zinc Plated Steel, U-Bolt	10.57	4.68
26 05 29 00-0271 EA 1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	12.08	4.96

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0272	EA		1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	12.44	5.27
26 05 29 00-0273	EA		2" Pipe Size, Zinc Plated Steel, U-Bolt.....	13.32	5.63
26 05 29 00-0274	EA		2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	19.51	6.03
26 05 29 00-0275	EA		3" Pipe Size, Zinc Plated Steel, U-Bolt.....	21.53	6.49
26 05 29 00-0276	EA		4" Pipe Size, Zinc Plated Steel, U-Bolt.....	26.14	7.03
26 05 29 00-0277			Stainless Steel Threaded Rod <small>(26 05 29 00-0198)</small>		
26 05 29 00-0278	LF		1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	1.91	0.35
			<i>For 316 Stainless Steel, Add</i>	0.49	
26 05 29 00-0279	LF		5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	2.84	0.38
			<i>For 316 Stainless Steel, Add</i>	0.84	
26 05 29 00-0280	LF		3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	3.63	0.44
			<i>For 316 Stainless Steel, Add</i>	1.12	
26 05 29 00-0281	LF		7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	5.00	0.45
			<i>For 316 Stainless Steel, Add</i>	1.66	
26 05 29 00-0282	LF		1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	5.98	0.47
			<i>For 316 Stainless Steel, Add</i>	2.05	
26 05 29 00-0283	LF		5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	8.91	0.47
			<i>For 316 Stainless Steel, Add</i>	3.22	
26 05 29 00-0284	LF		3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	12.42	0.48
			<i>For 316 Stainless Steel, Add</i>	4.64	
26 05 29 00-0285	LF		7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	17.04	0.50
			<i>For 316 Stainless Steel, Add</i>	6.50	
26 05 29 00-0286	LF		1" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	21.90	0.58
			<i>For 316 Stainless Steel, Add</i>	8.39	
26 05 29 00-0287	LF		1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	46.21	0.70
			<i>For 316 Stainless Steel, Add</i>	18.12	
26 05 29 00-0288			Polyvinyl Chloride (PVC) Coated Supports <small>(26 05 29)</small>		
			Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0289			Attachments <small>(26 05 29 00-0288)</small>		
26 05 29 00-0290			Polyvinyl Chloride (PVC) Coated Pipe Straps <small>(26 05 29 00-0288)</small>		
			Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0291	EA		1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	14.12	4.63
26 05 29 00-0292	EA		3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	14.83	5.05
26 05 29 00-0293	EA		1" Polyvinyl Chloride (PVC) Coated Pipe Strap	16.15	5.47
26 05 29 00-0294	EA		1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	18.17	6.32
26 05 29 00-0295	EA		1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	20.80	7.16
26 05 29 00-0296	EA		2" Polyvinyl Chloride (PVC) Coated Pipe Strap	23.16	7.58
26 05 29 00-0297	EA		2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	25.60	8.42
26 05 29 00-0298	EA		3" Polyvinyl Chloride (PVC) Coated Pipe Strap	30.49	9.25
26 05 29 00-0299	EA		3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	33.37	9.68
26 05 29 00-0300	EA		4" Polyvinyl Chloride (PVC) Coated Pipe Strap	35.04	10.52
26 05 29 00-0301	EA		5" Polyvinyl Chloride (PVC) Coated Pipe Strap	37.40	11.78
26 05 29 00-0302			Polymer Concrete Pads <small>(26 05 29)</small>		
			Note: Excludes excavation and backfill.		
26 05 29 00-0303			Polymer Concrete, Box Pads <small>(26 05 29 00-0302)</small>		
26 05 29 00-0304	EA		24" x 36", 18" Depth, Polymer Concrete, Box Pad.....	714.27	76.76
26 05 29 00-0305	EA		25" x 25", 24" Depth, Polymer Concrete, Box Pad.....	737.44	76.76
26 05 29 00-0306	EA		40" x 44", 15" Depth, Polymer Concrete, Box Pad.....	950.36	76.76
26 05 29 00-0307	EA		40" x 44", 24" Depth, Polymer Concrete, Box Pad.....	985.66	76.76
26 05 29 00-0308	EA		52" x 36", 18" Depth, Polymer Concrete, Box Pad.....	917.49	76.76
26 05 29 00-0309	EA		44" x 44", 32" Depth, Polymer Concrete, Box Pad.....	1,084.21	76.76
26 05 29 00-0310	EA		40" x 58", 24" Depth, Polymer Concrete, Box Pad.....	1,212.05	76.76
26 05 29 00-0311	EA		52" x 50", 18" Depth, Polymer Concrete, Box Pad.....	1,166.83	95.95
26 05 29 00-0312	EA		74" x 76", 36" Depth, Polymer Concrete, Box Pad.....	1,764.12	95.95
26 05 29 00-0313	EA		93" x 93", 36" Depth, Polymer Concrete, Box Pad.....	2,364.37	95.95
26 05 29 00-0314			Polymer Concrete, Telecommunications Equipment Pads <small>(26 05 29 00-0302)</small>		
26 05 29 00-0315	EA		42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	340.71	39.28
26 05 29 00-0316	EA		48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	404.01	39.28
26 05 29 00-0317	EA		60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	530.09	57.57
26 05 29 00-0318	EA		54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	553.62	57.57
26 05 29 00-0319	EA		57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	793.09	57.57
26 05 29 00-0320	EA		72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	826.38	57.57
26 05 29 00-0321	EA		64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	888.40	57.57
26 05 29 00-0322	EA		72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	888.40	57.57
26 05 29 00-0323	EA		76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,667.54	57.57
26 05 29 00-0324	EA		96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,889.85	57.57
26 05 29 00-0325			Polymer Concrete, Electrical Equipment Pads <small>(26 05 29 00-0302)</small>		
26 05 29 00-0326	EA		24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad	206.65	39.28
26 05 29 00-0327	EA		24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad	222.93	39.28



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0328	EA			24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad	237.75	39.28
26 05 29 00-0329	EA			24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad	286.99	39.28
26 05 29 00-0330	EA			40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad	265.01	39.28
26 05 29 00-0331	EA			42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad	275.37	39.28
26 05 29 00-0332	EA			48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad	302.21	39.28
26 05 29 00-0333	EA			48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad	317.86	39.28
26 05 29 00-0334	EA			54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	370.16	39.28
26 05 29 00-0335	EA			56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad	456.29	39.28
26 05 29 00-0336	EA			64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad	677.72	57.57
26 05 29 00-0337	EA			66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad	709.20	57.57
26 05 29 00-0338	EA			75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad	719.14	57.57
26 05 29 00-0339	EA			90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	785.32	57.57
26 05 29 00-0340	EA			84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,670.52	57.57
26 05 29 00-0341	EA			96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,967.02	57.57

26 05 33 Raceway And Boxes For Electrical Systems (26 05)

26 05 33 13 Conduit For Electrical Systems (26 05 33)

26 05 33 13-0001 Conduit Assemblies (26 05 33 13)
 Note: With fittings and wire.

26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies (26 05 33 13-0001)

Note: Includes conduit, set screw connectors, set screw couplings, straps, and wire as indicated. Per CLF.

26 05 33 13-0003	CLF			1/2" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly	465.80	211.05
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.						
26 05 33 13-0004	CLF			1/2" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly	510.31	230.61
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.						
26 05 33 13-0005	CLF			1/2" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly	494.53	220.73
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.						
26 05 33 13-0006	CLF			1/2" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly	549.18	243.75
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.						
26 05 33 13-0007	CLF			3/4" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly	536.78	240.61
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.						
26 05 33 13-0008	CLF			3/4" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly	582.03	260.30
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.						
26 05 33 13-0009	CLF			3/4" Electrical Metallic Tubing (EMT) With 5 #12 THHN/THWN Assembly	626.46	279.80
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.						
26 05 33 13-0010	CLF			3/4" Electrical Metallic Tubing (EMT) With 6 #12 THHN/THWN Assembly	671.13	299.42
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.						
26 05 33 13-0011	CLF			3/4" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly	565.94	250.30
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.						
26 05 33 13-0012	CLF			3/4" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly	620.26	273.19
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.						
26 05 33 13-0013	CLF			3/4" Electrical Metallic Tubing (EMT) With 5 #10 THHN/THWN Assembly	674.26	295.89
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.						
26 05 33 13-0014	CLF			3/4" Electrical Metallic Tubing (EMT) With 6 #10 THHN/THWN Assembly	728.23	318.60
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.						
26 05 33 13-0015	CLF			1" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly	660.66	290.12
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.						
26 05 33 13-0016	CLF			1" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly	704.54	309.36
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.						
26 05 33 13-0017	CLF			1" Electrical Metallic Tubing (EMT) With 5 #12 THHN/THWN Assembly	744.06	328.98
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.						
26 05 33 13-0018	CLF			1" Electrical Metallic Tubing (EMT) With 6 #12 THHN/THWN Assembly	793.27	348.61
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.						
26 05 33 13-0019	CLF			1" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly	688.67	299.42
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.						
26 05 33 13-0020	CLF			1" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly	742.41	322.06
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.						
26 05 33 13-0021	CLF			1" Electrical Metallic Tubing (EMT) With 5 #10 THHN/THWN Assembly	797.08	345.14
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.						
26 05 33 13-0022	CLF			1" Electrical Metallic Tubing (EMT) With 6 #10 THHN/THWN Assembly	852.45	367.66
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.						

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0023 Rigid Galvanized Steel (RGS) Conduit Assemblies <small>(26 05 33 13-0001)</small>			
<i>Note: Includes conduit, terminations, straps, and wire as indicated. Per CLF.</i>			
26 05 33 13-0024	CLF 1/2" Rigid Galvanized Steel (RGS) With 3 #12 THHN/THWN Wire Assembly.....	557.14	235.68
<i>Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.</i>			
26 05 33 13-0025	CLF 1/2" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly.....	602.05	255.43
<i>Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.</i>			
26 05 33 13-0026	CLF 1/2" Rigid Galvanized Steel (RGS) With 3 #10 THHN/THWN Wire Assembly.....	585.89	245.35
<i>Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.</i>			
26 05 33 13-0027	CLF 1/2" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly.....	639.30	267.80
<i>Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.</i>			
26 05 33 13-0028	CLF 3/4" Rigid Galvanized Steel (RGS) With 3 #12 THHN/THWN Wire Assembly.....	635.67	266.84
<i>Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.</i>			
26 05 33 13-0029	CLF 3/4" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly.....	783.57	338.09
<i>Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.</i>			
26 05 33 13-0030	CLF 3/4" Rigid Galvanized Steel (RGS) With 5 #12 THHN/THWN Wire Assembly.....	724.01	305.58
<i>Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.</i>			
26 05 33 13-0031	CLF 3/4" Rigid Galvanized Steel (RGS) With 3 #10 THHN/THWN Wire Assembly.....	663.82	276.40
<i>Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.</i>			
26 05 33 13-0032	CLF 3/4" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly.....	717.67	299.16
<i>Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.</i>			
26 05 33 13-0033	CLF 3/4" Rigid Galvanized Steel (RGS) With 5 #10 THHN/THWN Wire Assembly.....	772.61	321.87
<i>Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.</i>			
26 05 33 13-0034	CLF 1" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly.....	813.00	334.11
<i>Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.</i>			
26 05 33 13-0035	CLF 1" Rigid Galvanized Steel (RGS) With 5 #12 THHN/THWN Wire Assembly.....	856.35	353.67
<i>Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.</i>			
26 05 33 13-0036	CLF 1" Rigid Galvanized Steel (RGS) With 6 #12 THHN/THWN Wire Assembly.....	902.41	373.16
<i>Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.</i>			
26 05 33 13-0037	CLF 1" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly.....	850.36	346.93
<i>Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.</i>			
26 05 33 13-0038	CLF 1" Rigid Galvanized Steel (RGS) With 5 #10 THHN/THWN Wire Assembly.....	905.26	369.64
<i>Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.</i>			
26 05 33 13-0039	CLF 1" Rigid Galvanized Steel (RGS) With 6 #10 THHN/THWN Wire Assembly.....	958.47	392.40
<i>Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.</i>			
26 05 33 13-0040 Conduit <small>(26 05 33 13)</small>			
<i>Note: Includes warning tape for underground conduits. Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.</i>			
26 05 33 13-0041 Conduit Installed Above Grade <small>(26 05 33 13-0040)</small>			
26 05 33 13-0042 Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0041)</small>			
<i>Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.</i>			
26 05 33 13-0043 Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling <small>(26 05 33 13-0042)</small>			
<i>Note: Includes field bending for conduit up to 1".</i>			
26 05 33 13-0044	LF 1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	4.71	1.41
	<i>For >250 To 500, Deduct</i>	-0.06	
	<i>For >500 To 1,000, Deduct</i>	-0.27	
	<i>For >1,000, Deduct</i>	-0.38	
	<i>For Installation In Metal Stud Wall, Add</i>	0.35	
	<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.88	
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.53	
	<i>For Work In Restricted Working Space, Add</i>	1.06	
	<i>For Installation Above 14', Add</i>	0.53	
26 05 33 13-0045	LF 3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	5.30	1.53
	<i>For >250 To 500, Deduct</i>	-0.07	
	<i>For >500 To 1,000, Deduct</i>	-0.30	
	<i>For >1,000, Deduct</i>	-0.43	
	<i>For Installation In Metal Stud Wall, Add</i>	0.39	
	<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.96	
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.58	
	<i>For Work In Restricted Working Space, Add</i>	1.16	
	<i>For Installation Above 14', Add</i>	0.58	
26 05 33 13-0046	LF 1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	6.74	1.80
	<i>For >250 To 500, Deduct</i>	-0.11	
	<i>For >500 To 1,000, Deduct</i>	-0.39	
	<i>For >1,000, Deduct</i>	-0.56	
	<i>For Installation In Metal Stud Wall, Add</i>	0.45	
	<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.12	
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.67	
	<i>For Work In Restricted Working Space, Add</i>	1.35	
	<i>For Installation Above 14', Add</i>	0.67	
26 05 33 13-0047	LF 1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	8.12	2.06
	<i>For >250 To 500, Deduct</i>	-0.15	
	<i>For >500 To 1,000, Deduct</i>	-0.48	
	<i>For >1,000, Deduct</i>	-0.68	
	<i>For Installation In Metal Stud Wall, Add</i>	0.51	
	<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.28	
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.77	
	<i>For Work In Restricted Working Space, Add</i>	1.54	
	<i>For Installation Above 14', Add</i>	0.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0048 LF 1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	9.44	2.31
<i>For >250 To 500, Deduct</i>	-0.18	
<i>For >500 To 1,000, Deduct</i>	-0.56	
<i>For >1,000, Deduct</i>	-0.80	
<i>For Installation In Metal Stud Wall, Add</i>	0.58	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.44	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.87	
<i>For Work In Restricted Working Space, Add</i>	1.73	
<i>For Installation Above 14', Add</i>	0.87	
26 05 33 13-0049 LF 2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	11.95	2.82
<i>For >250 To 500, Deduct</i>	-0.25	
<i>For >500 To 1,000, Deduct</i>	-0.72	
<i>For >1,000, Deduct</i>	-1.02	
<i>For Installation In Metal Stud Wall, Add</i>	0.71	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.76	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.06	
<i>For Work In Restricted Working Space, Add</i>	2.12	
<i>For Installation Above 14', Add</i>	1.06	
26 05 33 13-0050 LF 2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	17.75	3.85
<i>For >250 To 500, Deduct</i>	-0.41	
<i>For >500 To 1,000, Deduct</i>	-1.09	
<i>For >1,000, Deduct</i>	-1.53	
<i>For Installation In Metal Stud Wall, Add</i>	0.96	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.41	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.44	
<i>For Work In Restricted Working Space, Add</i>	2.89	
<i>For Installation Above 14', Add</i>	1.44	
26 05 33 13-0051 LF 3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	23.17	5.13
<i>For >250 To 500, Deduct</i>	-0.52	
<i>For >500 To 1,000, Deduct</i>	-1.42	
<i>For >1,000, Deduct</i>	-2.00	
<i>For Installation In Metal Stud Wall, Add</i>	1.28	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3.21	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.92	
<i>For Work In Restricted Working Space, Add</i>	3.85	
<i>For Installation Above 14', Add</i>	1.92	
26 05 33 13-0052 LF 3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	28.65	6.41
<i>For >250 To 500, Deduct</i>	-0.63	
<i>For >500 To 1,000, Deduct</i>	-1.75	
<i>For >1,000, Deduct</i>	-2.46	
<i>For Installation In Metal Stud Wall, Add</i>	1.60	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	4.01	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.40	
<i>For Work In Restricted Working Space, Add</i>	4.81	
<i>For Installation Above 14', Add</i>	2.40	
26 05 33 13-0053 LF 4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	33.92	7.69
<i>For >250 To 500, Deduct</i>	-0.73	
<i>For >500 To 1,000, Deduct</i>	-2.06	
<i>For >1,000, Deduct</i>	-2.91	
<i>For Installation In Metal Stud Wall, Add</i>	1.92	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	4.81	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.89	
<i>For Work In Restricted Working Space, Add</i>	5.77	
<i>For Installation Above 14', Add</i>	2.89	
26 05 33 13-0054 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <small>(26 05 33 13-0042)</small>		
<i>See CSI section 26 05 33 13-1200 for conduit field bending.</i>		
26 05 33 13-0055 EA 1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	19.82	6.35
<i>For Work In Restricted Working Space, Add</i>	4.78	
<i>For Installation Above 14', Add</i>	2.39	
26 05 33 13-0056 EA 3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	24.94	7.88
<i>For Work In Restricted Working Space, Add</i>	5.94	
<i>For Installation Above 14', Add</i>	2.97	
26 05 33 13-0057 EA 1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	32.06	9.68
<i>For Work In Restricted Working Space, Add</i>	7.24	
<i>For Installation Above 14', Add</i>	3.62	
26 05 33 13-0058 EA 1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	41.59	11.22
<i>For Work In Restricted Working Space, Add</i>	8.41	
<i>For Installation Above 14', Add</i>	4.21	
26 05 33 13-0059 EA 1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	48.34	12.89
<i>For Work In Restricted Working Space, Add</i>	9.65	
<i>For Installation Above 14', Add</i>	4.83	
26 05 33 13-0060 EA 2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	57.61	14.17
<i>For Work In Restricted Working Space, Add</i>	10.62	
<i>For Installation Above 14', Add</i>	5.31	
26 05 33 13-0061 EA 2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	83.82	17.70
<i>For Work In Restricted Working Space, Add</i>	13.27	
<i>For Installation Above 14', Add</i>	6.64	
26 05 33 13-0062 EA 3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	119.20	24.11
<i>For Work In Restricted Working Space, Add</i>	18.08	
<i>For Installation Above 14', Add</i>	9.04	
26 05 33 13-0063 EA 3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	160.12	27.19
<i>For Work In Restricted Working Space, Add</i>	20.40	
<i>For Installation Above 14', Add</i>	10.20	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0064 EA 4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	194.65	35.40
For Work In Restricted Working Space, Add	26.54	
For Installation Above 14', Add	13.27	
26 05 33 13-0065 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <small>(26 05 33 13-0042)</small>		
See CSI section 26 05 33 13-1200 for conduit field bending.		
26 05 33 13-0066 EA 1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	19.82	6.35
For Work In Restricted Working Space, Add	4.78	
For Installation Above 14', Add	2.39	
26 05 33 13-0067 EA 3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	24.94	7.88
For Work In Restricted Working Space, Add	5.94	
For Installation Above 14', Add	2.97	
26 05 33 13-0068 EA 1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	32.06	9.68
For Work In Restricted Working Space, Add	7.24	
For Installation Above 14', Add	3.62	
26 05 33 13-0069 EA 1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	41.59	11.22
For Work In Restricted Working Space, Add	8.41	
For Installation Above 14', Add	4.21	
26 05 33 13-0070 EA 1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	48.34	12.89
For Work In Restricted Working Space, Add	9.65	
For Installation Above 14', Add	4.83	
26 05 33 13-0071 EA 2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	57.61	14.17
For Work In Restricted Working Space, Add	10.62	
For Installation Above 14', Add	5.31	
26 05 33 13-0072 EA 2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	82.21	17.70
For Work In Restricted Working Space, Add	13.27	
For Installation Above 14', Add	6.64	
26 05 33 13-0073 EA 3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	112.94	24.11
For Work In Restricted Working Space, Add	18.08	
For Installation Above 14', Add	9.04	
26 05 33 13-0074 EA 3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	151.31	27.19
For Work In Restricted Working Space, Add	20.40	
For Installation Above 14', Add	10.20	
26 05 33 13-0075 EA 4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	182.94	35.40
For Work In Restricted Working Space, Add	26.54	
For Installation Above 14', Add	13.27	
26 05 33 13-0076 EA 5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	318.50	57.72
For Work In Restricted Working Space, Add	43.29	
For Installation Above 14', Add	21.65	
26 05 33 13-0077 EA 6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	478.86	86.70
For Work In Restricted Working Space, Add	65.02	
For Installation Above 14', Add	32.51	
26 05 33 13-0078 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <small>(26 05 33 13-0042)</small>		
See CSI section 26 05 33 13-1200 for conduit field bending.		
26 05 33 13-0079 EA 1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	50.55	15.84
For Work In Restricted Working Space, Add	9.50	
For Installation Above 14', Add	4.75	
26 05 33 13-0080 EA 1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	58.21	18.35
For Work In Restricted Working Space, Add	11.00	
For Installation Above 14', Add	5.50	
26 05 33 13-0081 EA 1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	67.49	20.84
For Work In Restricted Working Space, Add	12.51	
For Installation Above 14', Add	6.25	
26 05 33 13-0082 EA 2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	76.24	22.93
For Work In Restricted Working Space, Add	13.76	
For Installation Above 14', Add	6.88	
26 05 33 13-0083 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <small>(26 05 33 13-0042)</small>		
See CSI section 26 05 33 13-1200 for conduit field bending.		
26 05 33 13-0084 EA 1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	55.44	15.84
For Work In Restricted Working Space, Add	9.50	
For Installation Above 14', Add	4.75	
26 05 33 13-0085 EA 1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	64.50	18.35
For Work In Restricted Working Space, Add	11.00	
For Installation Above 14', Add	5.50	
26 05 33 13-0086 EA 1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	70.35	20.84
For Work In Restricted Working Space, Add	12.51	
For Installation Above 14', Add	6.25	
26 05 33 13-0087 EA 2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	79.45	22.93
For Work In Restricted Working Space, Add	13.76	
For Installation Above 14', Add	6.88	
26 05 33 13-0088 EA 2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	106.28	28.76
For Work In Restricted Working Space, Add	17.26	
For Installation Above 14', Add	8.63	
26 05 33 13-0089 EA 3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	142.85	39.18
For Work In Restricted Working Space, Add	23.51	
For Installation Above 14', Add	11.76	
26 05 33 13-0090 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <small>(26 05 33 13-0042)</small>		
See CSI section 26 05 33 13-1200 for conduit field bending.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0091 EA 1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	55.67	15.84
<i>For Work In Restricted Working Space, Add</i>	9.50	
<i>For Installation Above 14', Add</i>	4.75	
26 05 33 13-0092 EA 1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	63.88	18.35
<i>For Work In Restricted Working Space, Add</i>	11.00	
<i>For Installation Above 14', Add</i>	5.50	
26 05 33 13-0093 EA 1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	73.45	20.84
<i>For Work In Restricted Working Space, Add</i>	12.51	
<i>For Installation Above 14', Add</i>	6.25	
26 05 33 13-0094 EA 2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	86.38	22.93
<i>For Work In Restricted Working Space, Add</i>	13.76	
<i>For Installation Above 14', Add</i>	6.88	
26 05 33 13-0095 EA 2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	112.73	28.76
<i>For Work In Restricted Working Space, Add</i>	17.26	
<i>For Installation Above 14', Add</i>	8.63	
26 05 33 13-0096 EA 3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	148.06	39.18
<i>For Work In Restricted Working Space, Add</i>	23.51	
<i>For Installation Above 14', Add</i>	11.76	
26 05 33 13-0097 EA 3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	186.88	44.18
<i>For Work In Restricted Working Space, Add</i>	26.51	
<i>For Installation Above 14', Add</i>	13.26	
26 05 33 13-0098 EA 4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	225.12	57.52
<i>For Work In Restricted Working Space, Add</i>	34.52	
<i>For Installation Above 14', Add</i>	17.26	
26 05 33 13-0099 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <small>(26 05 33 13-0042)</small>		
See CSI section 26 05 33 13-1200 for conduit field bending.		
26 05 33 13-0100 EA 1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	63.47	15.84
<i>For Work In Restricted Working Space, Add</i>	9.50	
<i>For Installation Above 14', Add</i>	4.75	
26 05 33 13-0101 EA 1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	71.54	18.35
<i>For Work In Restricted Working Space, Add</i>	11.00	
<i>For Installation Above 14', Add</i>	5.50	
26 05 33 13-0102 EA 1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	79.18	20.84
<i>For Work In Restricted Working Space, Add</i>	12.51	
<i>For Installation Above 14', Add</i>	6.25	
26 05 33 13-0103 EA 2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	94.83	22.93
<i>For Work In Restricted Working Space, Add</i>	13.76	
<i>For Installation Above 14', Add</i>	6.88	
26 05 33 13-0104 EA 2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	124.26	28.76
<i>For Work In Restricted Working Space, Add</i>	17.26	
<i>For Installation Above 14', Add</i>	8.63	
26 05 33 13-0105 EA 3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	166.13	39.18
<i>For Work In Restricted Working Space, Add</i>	23.51	
<i>For Installation Above 14', Add</i>	11.76	
26 05 33 13-0106 EA 3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	204.45	44.18
<i>For Work In Restricted Working Space, Add</i>	26.51	
<i>For Installation Above 14', Add</i>	13.26	
26 05 33 13-0107 EA 4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	239.13	57.52
<i>For Work In Restricted Working Space, Add</i>	34.52	
<i>For Installation Above 14', Add</i>	17.26	
26 05 33 13-0108 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <small>(26 05 33 13-0042)</small>		
See CSI section 26 05 33 13-1200 for conduit field bending.		
26 05 33 13-0109 EA 1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	63.00	15.84
<i>For Work In Restricted Working Space, Add</i>	9.50	
<i>For Installation Above 14', Add</i>	4.75	
26 05 33 13-0110 EA 1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	77.23	18.35
<i>For Work In Restricted Working Space, Add</i>	11.00	
<i>For Installation Above 14', Add</i>	5.50	
26 05 33 13-0111 EA 1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	85.34	20.84
<i>For Work In Restricted Working Space, Add</i>	12.51	
<i>For Installation Above 14', Add</i>	6.25	
26 05 33 13-0112 EA 2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	102.88	22.93
<i>For Work In Restricted Working Space, Add</i>	13.76	
<i>For Installation Above 14', Add</i>	6.88	
26 05 33 13-0113 EA 2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	135.32	28.76
<i>For Work In Restricted Working Space, Add</i>	17.26	
<i>For Installation Above 14', Add</i>	8.63	
26 05 33 13-0114 EA 3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	180.40	39.18
<i>For Work In Restricted Working Space, Add</i>	23.51	
<i>For Installation Above 14', Add</i>	11.76	
26 05 33 13-0115 EA 3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	221.81	44.18
<i>For Work In Restricted Working Space, Add</i>	26.51	
<i>For Installation Above 14', Add</i>	13.26	
26 05 33 13-0116 EA 4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	264.83	57.52
<i>For Work In Restricted Working Space, Add</i>	34.52	
<i>For Installation Above 14', Add</i>	17.26	
26 05 33 13-0117 EA 5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	379.96	93.78
<i>For Work In Restricted Working Space, Add</i>	56.27	
<i>For Installation Above 14', Add</i>	28.14	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0118			Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-1200 for conduit field bending.		
26 05 33 13-0119	EA		1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	67.17 9.50 4.75	15.84
26 05 33 13-0120	EA		1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	80.03 11.00 5.50	18.35
26 05 33 13-0121	EA		1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	96.14 12.51 6.25	20.84
26 05 33 13-0122	EA		2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	109.17 13.76 6.88	22.93
26 05 33 13-0123	EA		2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	148.43 17.26 8.63	28.76
26 05 33 13-0124	EA		3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	192.60 23.51 11.76	39.18
26 05 33 13-0125	EA		3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	244.24 26.51 13.26	44.18
26 05 33 13-0126	EA		4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	276.92 34.52 17.26	57.52
26 05 33 13-0127	EA		5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	478.62 56.27 28.14	93.78
26 05 33 13-0128	EA		6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	601.54 84.54 42.27	140.89
26 05 33 13-0129			Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-1200 for conduit field bending.		
26 05 33 13-0130	EA		1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	73.27 9.50 4.75	15.84
26 05 33 13-0131	EA		1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	87.48 11.00 5.50	18.35
26 05 33 13-0132	EA		1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	104.06 12.51 6.25	20.84
26 05 33 13-0133	EA		2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	117.45 13.76 6.88	22.93
26 05 33 13-0134	EA		2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	158.46 17.26 8.63	28.76
26 05 33 13-0135	EA		3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	210.48 23.51 11.76	39.18
26 05 33 13-0136	EA		3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	262.17 26.51 13.26	44.18
26 05 33 13-0137	EA		4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	328.52 34.52 17.26	57.52
26 05 33 13-0138	EA		5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	549.80 56.27 28.14	93.78
26 05 33 13-0139	EA		6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	663.17 84.54 42.27	140.89
26 05 33 13-0140			Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-1200 for conduit field bending.		
26 05 33 13-0141	EA		1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	78.35 9.50 4.75	15.84
26 05 33 13-0142	EA		1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	93.23 11.00 5.50	18.35
26 05 33 13-0143	EA		1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	109.07 12.51 6.25	20.84
26 05 33 13-0144	EA		2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	132.93 13.76 6.88	22.93
26 05 33 13-0145	EA		2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	176.96 17.26 8.63	28.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0146 EA 3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	228.50 23.51 11.76	39.18
26 05 33 13-0147 EA 3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	284.71 26.51 13.26	44.18
26 05 33 13-0148 EA 4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	355.90 34.52 17.26	57.52
26 05 33 13-0149 EA 5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	572.08 56.27 28.14	93.78
26 05 33 13-0150 EA 6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	675.64 84.54 42.27	140.89
26 05 33 13-0151 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <small>(26 05 33 13-0042)</small>		
26 05 33 13-0152 EA 1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.44 2.45 1.23 2.45	4.09
26 05 33 13-0153 EA 3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.09 2.62 1.31 2.62	4.36
26 05 33 13-0154 EA 1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.36 2.94 1.47 2.94	4.90
26 05 33 13-0155 EA 1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.70 3.27 1.64 3.27	5.45
26 05 33 13-0156 EA 1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.72 4.09 2.04 4.09	6.81
26 05 33 13-0157 EA 2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.37 4.91 2.45 4.91	8.17
26 05 33 13-0158 EA 2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.55 5.72 2.86 5.72	9.54
26 05 33 13-0159 EA 3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.52 6.54 3.27 6.54	10.90
26 05 33 13-0160 EA 3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.07 7.36 3.68 7.36	10.26
26 05 33 13-0161 EA 4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.46 8.18 4.09 8.18	13.63
26 05 33 13-0162 Rigid Galvanized Steel (RGS) Steel Bushing <small>(26 05 33 13-0042)</small>		
26 05 33 13-0163 EA 1/2" Rigid Galvanized Steel (RGS) Steel Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.30 2.89 1.44 2.89	4.81
26 05 33 13-0164 EA 3/4" Rigid Galvanized Steel (RGS) Steel Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.26 3.08 1.54 3.08	5.13
26 05 33 13-0165 EA 1" Rigid Galvanized Steel (RGS) Steel Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.28 3.47 1.73 3.47	5.77
26 05 33 13-0166 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.97 3.85 1.92 3.85	6.41
26 05 33 13-0167 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.20 4.81 2.40 4.81	8.01
26 05 33 13-0168 EA 2" Rigid Galvanized Steel (RGS) Steel Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.65 5.77 2.89 5.77	9.62

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0169	EA		2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	33.15	11.22
			<i>For Work In Restricted Working Space, Add</i>	6.74	
			<i>For Installation Above 14', Add</i>	3.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.74	
26 05 33 13-0170	EA		3" Rigid Galvanized Steel (RGS) Steel Bushing.....	39.70	12.83
			<i>For Work In Restricted Working Space, Add</i>	7.70	
			<i>For Installation Above 14', Add</i>	3.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-0171	EA		3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	61.66	14.43
			<i>For Work In Restricted Working Space, Add</i>	8.66	
			<i>For Installation Above 14', Add</i>	4.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
26 05 33 13-0172	EA		4" Rigid Galvanized Steel (RGS) Steel Bushing.....	85.27	16.03
			<i>For Work In Restricted Working Space, Add</i>	9.62	
			<i>For Installation Above 14', Add</i>	4.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.62	
26 05 33 13-0173	EA		5" Rigid Galvanized Steel (RGS) Steel Bushing.....	115.96	17.63
			<i>For Work In Restricted Working Space, Add</i>	10.58	
			<i>For Installation Above 14', Add</i>	5.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.58	
26 05 33 13-0174	EA		6" Rigid Galvanized Steel (RGS) Steel Bushing.....	174.67	19.24
			<i>For Work In Restricted Working Space, Add</i>	11.54	
			<i>For Installation Above 14', Add</i>	5.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.54	
26 05 33 13-0175			Rigid Galvanized Steel (RGS) Steel Insulated Bushing <small>(26 05 33 13-0042)</small>		
26 05 33 13-0176	EA		1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	11.11	4.81
			<i>For Work In Restricted Working Space, Add</i>	2.89	
			<i>For Installation Above 14', Add</i>	1.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.89	
26 05 33 13-0177	EA		3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	12.47	5.13
			<i>For Work In Restricted Working Space, Add</i>	3.08	
			<i>For Installation Above 14', Add</i>	1.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08	
26 05 33 13-0178	EA		1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	14.81	5.77
			<i>For Work In Restricted Working Space, Add</i>	3.47	
			<i>For Installation Above 14', Add</i>	1.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.47	
26 05 33 13-0179	EA		1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	17.56	6.41
			<i>For Work In Restricted Working Space, Add</i>	3.85	
			<i>For Installation Above 14', Add</i>	1.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.85	
26 05 33 13-0180	EA		1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	21.89	8.01
			<i>For Work In Restricted Working Space, Add</i>	4.81	
			<i>For Installation Above 14', Add</i>	2.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.81	
26 05 33 13-0181	EA		2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	27.43	9.62
			<i>For Work In Restricted Working Space, Add</i>	5.77	
			<i>For Installation Above 14', Add</i>	2.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.77	
26 05 33 13-0182	EA		2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	39.63	11.22
			<i>For Work In Restricted Working Space, Add</i>	6.74	
			<i>For Installation Above 14', Add</i>	3.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.74	
26 05 33 13-0183	EA		3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	47.29	12.83
			<i>For Work In Restricted Working Space, Add</i>	7.70	
			<i>For Installation Above 14', Add</i>	3.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-0184	EA		3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	63.08	14.43
			<i>For Work In Restricted Working Space, Add</i>	8.66	
			<i>For Installation Above 14', Add</i>	4.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
26 05 33 13-0185	EA		4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	91.60	16.03
			<i>For Work In Restricted Working Space, Add</i>	9.62	
			<i>For Installation Above 14', Add</i>	4.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.62	
26 05 33 13-0186	EA		5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	122.86	17.63
			<i>For Work In Restricted Working Space, Add</i>	10.58	
			<i>For Installation Above 14', Add</i>	5.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.58	
26 05 33 13-0187	EA		6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	177.10	19.24
			<i>For Work In Restricted Working Space, Add</i>	11.54	
			<i>For Installation Above 14', Add</i>	5.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.54	
26 05 33 13-0188			Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing <small>(26 05 33 13-0042)</small>		
26 05 33 13-0189	EA		1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	17.56	5.77
			<i>For Work In Restricted Working Space, Add</i>	3.47	
			<i>For Installation Above 14', Add</i>	1.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0190 EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	19.69 3.85 1.92 3.85	6.41
26 05 33 13-0191 EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.67 4.23 2.12 4.23	7.05
26 05 33 13-0192 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.10 4.81 2.40 4.81	8.01
26 05 33 13-0193 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.66 5.96 2.98 5.96	9.94
26 05 33 13-0194 EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.49 7.12 3.56 7.12	11.87
26 05 33 13-0195 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.57 8.27 4.14 8.27	13.79
26 05 33 13-0196 EA 3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.99 9.62 4.81 9.62	16.03
26 05 33 13-0197 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.18 10.77 5.39 10.77	17.95
26 05 33 13-0198 EA 4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.21 11.93 5.96 11.93	19.88
26 05 33 13-0199 Rigid Galvanized Steel (RGS) Nipples <small>(26 05 33 13-0042)</small>		
26 05 33 13-0200 EA 1/2" x 2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.13 2.50 1.25 2.50	4.17
26 05 33 13-0201 EA 3/4" x 2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.50 2.89 1.44 2.89	4.81
26 05 33 13-0202 EA 1" x 2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.42 3.66 1.83 3.66	6.09
26 05 33 13-0203 EA 1-1/4" x 2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.67 4.23 2.12 4.23	7.05
26 05 33 13-0204 EA 1-1/2" x 2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.89 4.81 2.40 4.81	8.01
26 05 33 13-0205 EA 1/2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.19 2.50 1.25 2.50	4.17
26 05 33 13-0206 EA 3/4" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.60 2.89 1.44 2.89	4.81
26 05 33 13-0207 EA 1" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.53 3.66 1.83 3.66	6.09
26 05 33 13-0208 EA 1-1/4" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.82 4.23 2.12 4.23	7.05
26 05 33 13-0209 EA 1-1/2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.13 4.81 2.40 4.81	8.01
26 05 33 13-0210 EA 2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.48 5.39 2.69 5.39	8.98

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0211 EA 1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	9.26	4.17
For Work In Restricted Working Space, Add	2.50	
For Installation Above 14', Add	1.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.50	
26 05 33 13-0212 EA 3/4" x 3" Long Rigid Galvanized Steel (RGS) Nipple	10.69	4.81
For Work In Restricted Working Space, Add	2.89	
For Installation Above 14', Add	1.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.89	
26 05 33 13-0213 EA 1" x 3" Long Rigid Galvanized Steel (RGS) Nipple	13.68	6.09
For Work In Restricted Working Space, Add	3.66	
For Installation Above 14', Add	1.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.66	
26 05 33 13-0214 EA 1-1/4" x 3" Long Rigid Galvanized Steel (RGS) Nipple	15.95	7.05
For Work In Restricted Working Space, Add	4.23	
For Installation Above 14', Add	2.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.23	
26 05 33 13-0215 EA 1-1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	18.29	8.01
For Work In Restricted Working Space, Add	4.81	
For Installation Above 14', Add	2.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.81	
26 05 33 13-0216 EA 2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	20.88	8.98
For Work In Restricted Working Space, Add	5.39	
For Installation Above 14', Add	2.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.39	
26 05 33 13-0217 EA 2-1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	27.86	10.90
For Work In Restricted Working Space, Add	6.54	
For Installation Above 14', Add	3.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.54	
26 05 33 13-0218 EA 3" x 3" Long Rigid Galvanized Steel (RGS) Nipple	37.58	15.07
For Work In Restricted Working Space, Add	9.04	
For Installation Above 14', Add	4.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.04	
26 05 33 13-0219 EA 1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	9.34	4.17
For Work In Restricted Working Space, Add	2.50	
For Installation Above 14', Add	1.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.50	
26 05 33 13-0220 EA 3/4" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	10.74	4.81
For Work In Restricted Working Space, Add	2.89	
For Installation Above 14', Add	1.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.89	
26 05 33 13-0221 EA 1" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	13.89	6.09
For Work In Restricted Working Space, Add	3.66	
For Installation Above 14', Add	1.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.66	
26 05 33 13-0222 EA 1-1/4" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	16.21	7.05
For Work In Restricted Working Space, Add	4.23	
For Installation Above 14', Add	2.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.23	
26 05 33 13-0223 EA 1-1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	18.63	8.01
For Work In Restricted Working Space, Add	4.81	
For Installation Above 14', Add	2.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.81	
26 05 33 13-0224 EA 2" x 3-1/2" Long Rigid Galvanized Steel (RGS), Nipple	21.29	8.98
For Work In Restricted Working Space, Add	5.39	
For Installation Above 14', Add	2.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.39	
26 05 33 13-0225 EA 2-1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	28.96	10.90
For Work In Restricted Working Space, Add	6.54	
For Installation Above 14', Add	3.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.54	
26 05 33 13-0226 EA 3" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	38.54	15.07
For Work In Restricted Working Space, Add	9.04	
For Installation Above 14', Add	4.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.04	
26 05 33 13-0227 EA 1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	9.43	4.17
For Work In Restricted Working Space, Add	2.50	
For Installation Above 14', Add	1.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.50	
26 05 33 13-0228 EA 3/4" x 4" Long Rigid Galvanized Steel (RGS) Nipple	10.89	4.81
For Work In Restricted Working Space, Add	2.89	
For Installation Above 14', Add	1.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.89	
26 05 33 13-0229 EA 1" x 4" Long Rigid Galvanized Steel (RGS) Nipple	14.01	6.09
For Work In Restricted Working Space, Add	3.66	
For Installation Above 14', Add	1.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.66	
26 05 33 13-0230 EA 1-1/4" x 4" Long Rigid Galvanized Steel (RGS) Nipple	16.33	7.05
For Work In Restricted Working Space, Add	4.23	
For Installation Above 14', Add	2.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.23	
26 05 33 13-0231 EA 1-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	18.86	8.01
For Work In Restricted Working Space, Add	4.81	
For Installation Above 14', Add	2.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0232 EA 2" x 4" Long Rigid Galvanized Steel (RGS) Nipple.....	21.64	8.98
For Work In Restricted Working Space, Add	5.39	
For Installation Above 14', Add	2.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.39	
26 05 33 13-0233 EA 2-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple.....	29.30	10.90
For Work In Restricted Working Space, Add	6.54	
For Installation Above 14', Add	3.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.54	
26 05 33 13-0234 EA 3" x 4" Long Rigid Galvanized Steel (RGS) Nipple.....	39.24	15.07
For Work In Restricted Working Space, Add	9.04	
For Installation Above 14', Add	4.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.04	
26 05 33 13-0235 EA 3-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple.....	45.06	16.99
For Work In Restricted Working Space, Add	10.19	
For Installation Above 14', Add	5.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.19	
26 05 33 13-0236 EA 4" x 4" Long Rigid Galvanized Steel (RGS) Nipple.....	56.68	22.13
For Work In Restricted Working Space, Add	13.27	
For Installation Above 14', Add	6.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.27	
26 05 33 13-0237 EA 1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple.....	9.56	4.17
For Work In Restricted Working Space, Add	2.50	
For Installation Above 14', Add	1.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.50	
26 05 33 13-0238 EA 3/4" x 5" Long Rigid Galvanized Steel (RGS) Nipple.....	11.08	4.81
For Work In Restricted Working Space, Add	2.89	
For Installation Above 14', Add	1.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.89	
26 05 33 13-0239 EA 1" x 5" Long Rigid Galvanized Steel (RGS) Nipple.....	14.25	6.09
For Work In Restricted Working Space, Add	3.66	
For Installation Above 14', Add	1.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.66	
26 05 33 13-0240 EA 1-1/4" x 5" Long Rigid Galvanized Steel (RGS) Nipple.....	16.68	7.05
For Work In Restricted Working Space, Add	4.23	
For Installation Above 14', Add	2.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.23	
26 05 33 13-0241 EA 1-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple.....	19.20	8.01
For Work In Restricted Working Space, Add	4.81	
For Installation Above 14', Add	2.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.81	
26 05 33 13-0242 EA 2" x 5" Long Rigid Galvanized Steel (RGS) Nipple.....	22.25	8.98
For Work In Restricted Working Space, Add	5.39	
For Installation Above 14', Add	2.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.39	
26 05 33 13-0243 EA 2-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple.....	30.67	10.90
For Work In Restricted Working Space, Add	6.54	
For Installation Above 14', Add	3.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.54	
26 05 33 13-0244 EA 3" x 5" Long Rigid Galvanized Steel (RGS) Nipple.....	40.72	15.07
For Work In Restricted Working Space, Add	9.04	
For Installation Above 14', Add	4.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.04	
26 05 33 13-0245 EA 3-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple.....	46.53	16.99
For Work In Restricted Working Space, Add	10.19	
For Installation Above 14', Add	5.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.19	
26 05 33 13-0246 EA 4" x 5" Long Rigid Galvanized Steel (RGS) Nipple.....	58.82	22.13
For Work In Restricted Working Space, Add	13.27	
For Installation Above 14', Add	6.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.27	
26 05 33 13-0247 EA 5" x 5" Long Rigid Galvanized Steel (RGS) Nipple.....	89.22	30.46
For Work In Restricted Working Space, Add	18.27	
For Installation Above 14', Add	9.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.27	
26 05 33 13-0248 EA 6" x 5" Long Rigid Galvanized Steel (RGS) Nipple.....	113.44	39.06
For Work In Restricted Working Space, Add	23.45	
For Installation Above 14', Add	11.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.45	
26 05 33 13-0249 EA 1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple.....	9.79	4.17
For Work In Restricted Working Space, Add	2.50	
For Installation Above 14', Add	1.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.50	
26 05 33 13-0250 EA 3/4" x 6" Long Rigid Galvanized Steel (RGS) Nipple.....	11.32	4.81
For Work In Restricted Working Space, Add	2.89	
For Installation Above 14', Add	1.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.89	
26 05 33 13-0251 EA 1" x 6" Long Rigid Galvanized Steel (RGS) Nipple.....	14.44	6.09
For Work In Restricted Working Space, Add	3.66	
For Installation Above 14', Add	1.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.66	
26 05 33 13-0252 EA 1-1/4" x 6" Long Rigid Galvanized Steel (RGS) Nipple.....	17.01	7.05
For Work In Restricted Working Space, Add	4.23	
For Installation Above 14', Add	2.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.23	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0253 EA 1-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	19.93	8.01
For Work In Restricted Working Space, Add	4.81	
For Installation Above 14', Add	2.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.81	
26 05 33 13-0254 EA 2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	22.87	8.98
For Work In Restricted Working Space, Add	5.39	
For Installation Above 14', Add	2.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.39	
26 05 33 13-0255 EA 2-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	31.86	10.90
For Work In Restricted Working Space, Add	6.54	
For Installation Above 14', Add	3.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.54	
26 05 33 13-0256 EA 3" x 6" Long Rigid Galvanized Steel (RGS) Nipple	42.22	15.07
For Work In Restricted Working Space, Add	9.04	
For Installation Above 14', Add	4.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.04	
26 05 33 13-0257 EA 3-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	48.32	16.99
For Work In Restricted Working Space, Add	10.19	
For Installation Above 14', Add	5.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.19	
26 05 33 13-0258 EA 4" x 6" Long Rigid Galvanized Steel (RGS) Nipple	60.53	22.13
For Work In Restricted Working Space, Add	13.27	
For Installation Above 14', Add	6.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.27	
26 05 33 13-0259 EA 5" x 6" Long Rigid Galvanized Steel (RGS) Nipple	91.71	30.46
For Work In Restricted Working Space, Add	18.27	
For Installation Above 14', Add	9.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.27	
26 05 33 13-0260 EA 6" x 6" Long Rigid Galvanized Steel (RGS) Nipple	117.09	39.06
For Work In Restricted Working Space, Add	23.45	
For Installation Above 14', Add	11.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.45	
26 05 33 13-0261 EA 1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	10.66	4.17
For Work In Restricted Working Space, Add	2.50	
For Installation Above 14', Add	1.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.50	
26 05 33 13-0262 EA 3/4" x 8" Long Rigid Galvanized Steel (RGS) Nipple	12.43	4.81
For Work In Restricted Working Space, Add	2.89	
For Installation Above 14', Add	1.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.89	
26 05 33 13-0263 EA 1" x 8" Long Rigid Galvanized Steel (RGS) Nipple	15.74	6.09
For Work In Restricted Working Space, Add	3.66	
For Installation Above 14', Add	1.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.66	
26 05 33 13-0264 EA 1-1/4" x 8" Long Rigid Galvanized Steel (RGS) Nipple	18.86	7.05
For Work In Restricted Working Space, Add	4.23	
For Installation Above 14', Add	2.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.23	
26 05 33 13-0265 EA 1-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	21.99	8.01
For Work In Restricted Working Space, Add	4.81	
For Installation Above 14', Add	2.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.81	
26 05 33 13-0266 EA 2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	25.04	8.98
For Work In Restricted Working Space, Add	5.39	
For Installation Above 14', Add	2.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.39	
26 05 33 13-0267 EA 2-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	35.03	10.90
For Work In Restricted Working Space, Add	6.54	
For Installation Above 14', Add	3.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.54	
26 05 33 13-0268 EA 3" x 8" Long Rigid Galvanized Steel (RGS) Nipple	45.86	15.07
For Work In Restricted Working Space, Add	9.04	
For Installation Above 14', Add	4.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.04	
26 05 33 13-0269 EA 3-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	51.95	16.99
For Work In Restricted Working Space, Add	10.19	
For Installation Above 14', Add	5.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.19	
26 05 33 13-0270 EA 4" x 8" Long Rigid Galvanized Steel (RGS) Nipple	64.54	22.13
For Work In Restricted Working Space, Add	13.27	
For Installation Above 14', Add	6.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.27	
26 05 33 13-0271 EA 5" x 8" Long Rigid Galvanized Steel (RGS) Nipple	97.50	30.46
For Work In Restricted Working Space, Add	18.27	
For Installation Above 14', Add	9.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.27	
26 05 33 13-0272 EA 6" x 8" Long Rigid Galvanized Steel (RGS) Nipple	123.58	39.06
For Work In Restricted Working Space, Add	23.45	
For Installation Above 14', Add	11.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.45	
26 05 33 13-0273 EA 1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple	11.24	4.17
For Work In Restricted Working Space, Add	2.50	
For Installation Above 14', Add	1.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0274 EA 3/4" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	12.99	4.81
For Work In Restricted Working Space, Add	2.89	
For Installation Above 14', Add	1.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.89	
26 05 33 13-0275 EA 1" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	16.78	6.09
For Work In Restricted Working Space, Add	3.66	
For Installation Above 14', Add	1.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.66	
26 05 33 13-0276 EA 1-1/4" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	20.09	7.05
For Work In Restricted Working Space, Add	4.23	
For Installation Above 14', Add	2.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.23	
26 05 33 13-0277 EA 1-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	23.20	8.01
For Work In Restricted Working Space, Add	4.81	
For Installation Above 14', Add	2.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.81	
26 05 33 13-0278 EA 2" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	26.45	8.98
For Work In Restricted Working Space, Add	5.39	
For Installation Above 14', Add	2.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.39	
26 05 33 13-0279 EA 2-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	37.16	10.90
For Work In Restricted Working Space, Add	6.54	
For Installation Above 14', Add	3.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.54	
26 05 33 13-0280 EA 3" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	48.72	15.07
For Work In Restricted Working Space, Add	9.04	
For Installation Above 14', Add	4.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.04	
26 05 33 13-0281 EA 3-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	55.72	16.99
For Work In Restricted Working Space, Add	10.19	
For Installation Above 14', Add	5.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.19	
26 05 33 13-0282 EA 4" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	69.31	22.13
For Work In Restricted Working Space, Add	13.27	
For Installation Above 14', Add	6.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.27	
26 05 33 13-0283 EA 5" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	103.80	30.46
For Work In Restricted Working Space, Add	18.27	
For Installation Above 14', Add	9.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.27	
26 05 33 13-0284 EA 6" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	134.93	39.06
For Work In Restricted Working Space, Add	23.45	
For Installation Above 14', Add	11.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.45	
26 05 33 13-0285 EA 1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple.....	11.68	4.17
For Work In Restricted Working Space, Add	2.50	
For Installation Above 14', Add	1.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.50	
26 05 33 13-0286 EA 3/4" x 12" Long Rigid Galvanized Steel (RGS) Nipple.....	13.41	4.81
For Work In Restricted Working Space, Add	2.89	
For Installation Above 14', Add	1.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.89	
26 05 33 13-0287 EA 1" x 12" Long Rigid Galvanized Steel (RGS) Nipple.....	17.40	6.09
For Work In Restricted Working Space, Add	3.66	
For Installation Above 14', Add	1.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.66	
26 05 33 13-0288 EA 1-1/4" x 12" Long Rigid Galvanized Steel (RGS) Nipple.....	21.07	7.05
For Work In Restricted Working Space, Add	4.23	
For Installation Above 14', Add	2.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.23	
26 05 33 13-0289 EA 1-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple.....	23.81	8.01
For Work In Restricted Working Space, Add	4.81	
For Installation Above 14', Add	2.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.81	
26 05 33 13-0290 EA 2" x 12" Long Rigid Galvanized Steel (RGS) Nipple.....	27.62	8.98
For Work In Restricted Working Space, Add	5.39	
For Installation Above 14', Add	2.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.39	
26 05 33 13-0291 EA 2-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple.....	39.67	10.90
For Work In Restricted Working Space, Add	6.54	
For Installation Above 14', Add	3.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.54	
26 05 33 13-0292 EA 3" x 12" Long Rigid Galvanized Steel (RGS) Nipple.....	52.70	15.07
For Work In Restricted Working Space, Add	9.04	
For Installation Above 14', Add	4.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.04	
26 05 33 13-0293 EA 3-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple.....	59.38	16.99
For Work In Restricted Working Space, Add	10.19	
For Installation Above 14', Add	5.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.19	
26 05 33 13-0294 EA 4" x 12" Long Rigid Galvanized Steel (RGS) Nipple.....	74.08	22.13
For Work In Restricted Working Space, Add	13.27	
For Installation Above 14', Add	6.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.27	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0295	EA	5" x 12" Long Rigid Galvanized Steel (RGS) Nipple	112.87	30.46
			<i>For Work In Restricted Working Space, Add</i>	18.27	
			<i>For Installation Above 14', Add</i>	9.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.27	
26 05 33	13-0296	EA	6" x 12" Long Rigid Galvanized Steel (RGS) Nipple	141.24	39.06
			<i>For Work In Restricted Working Space, Add</i>	23.45	
			<i>For Installation Above 14', Add</i>	11.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.45	
26 05 33 13-0297 Rigid Galvanized Steel (RGS) Off-Set Nipples (26 05 33 13-0042)					
26 05 33	13-0298	EA	1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	9.41	3.33
			<i>For Work In Restricted Working Space, Add</i>	2.52	
			<i>For Installation Above 14', Add</i>	1.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.52	
26 05 33	13-0299	EA	3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	11.11	3.85
			<i>For Work In Restricted Working Space, Add</i>	2.87	
			<i>For Installation Above 14', Add</i>	1.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.87	
26 05 33	13-0300	EA	1" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	14.00	4.87
			<i>For Work In Restricted Working Space, Add</i>	3.67	
			<i>For Installation Above 14', Add</i>	1.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.67	
26 05 33	13-0301	EA	1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	17.50	5.84
			<i>For Work In Restricted Working Space, Add</i>	4.40	
			<i>For Installation Above 14', Add</i>	2.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33	13-0302	EA	1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	19.17	6.41
			<i>For Work In Restricted Working Space, Add</i>	4.82	
			<i>For Installation Above 14', Add</i>	2.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 05 33	13-0303	EA	2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	24.71	7.88
			<i>For Work In Restricted Working Space, Add</i>	5.93	
			<i>For Installation Above 14', Add</i>	2.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.93	
26 05 33	13-0304	EA	2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	40.32	12.83
			<i>For Work In Restricted Working Space, Add</i>	9.62	
			<i>For Installation Above 14', Add</i>	4.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.62	
26 05 33	13-0305	EA	3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	62.97	17.70
			<i>For Work In Restricted Working Space, Add</i>	13.27	
			<i>For Installation Above 14', Add</i>	6.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.27	
26 05 33	13-0306	EA	3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	36.88	4.61
			<i>For Work In Restricted Working Space, Add</i>	3.47	
			<i>For Installation Above 14', Add</i>	1.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.47	
26 05 33	13-0307	EA	4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	92.11	24.11
			<i>For Work In Restricted Working Space, Add</i>	18.09	
			<i>For Installation Above 14', Add</i>	9.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.09	
26 05 33 13-0308 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (26 05 33 13-0042)					
Note: Erickson fittings.					
26 05 33	13-0309	EA	1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	27.56	10.26
			<i>For Work In Restricted Working Space, Add</i>	7.70	
			<i>For Installation Above 14', Add</i>	3.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33	13-0310	EA	3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	31.07	11.47
			<i>For Work In Restricted Working Space, Add</i>	8.60	
			<i>For Installation Above 14', Add</i>	4.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.60	
26 05 33	13-0311	EA	1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	36.37	12.76
			<i>For Work In Restricted Working Space, Add</i>	9.58	
			<i>For Installation Above 14', Add</i>	4.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.58	
26 05 33	13-0312	EA	1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	44.41	13.98
			<i>For Work In Restricted Working Space, Add</i>	10.48	
			<i>For Installation Above 14', Add</i>	5.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.48	
26 05 33	13-0313	EA	1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	49.58	15.27
			<i>For Work In Restricted Working Space, Add</i>	11.47	
			<i>For Installation Above 14', Add</i>	5.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.47	
26 05 33	13-0314	EA	2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	64.13	16.55
			<i>For Work In Restricted Working Space, Add</i>	12.42	
			<i>For Installation Above 14', Add</i>	6.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.42	
26 05 33	13-0315	EA	2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	103.96	20.52
			<i>For Work In Restricted Working Space, Add</i>	15.39	
			<i>For Installation Above 14', Add</i>	7.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0316 EA 3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	144.04	25.65
<i>For Work In Restricted Working Space, Add</i>	19.24	
<i>For Installation Above 14', Add</i>	9.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.24	
26 05 33 13-0317 EA 3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	210.10	30.78
<i>For Work In Restricted Working Space, Add</i>	23.09	
<i>For Installation Above 14', Add</i>	11.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.09	
26 05 33 13-0318 EA 4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	239.90	33.35
<i>For Work In Restricted Working Space, Add</i>	25.01	
<i>For Installation Above 14', Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.01	
26 05 33 13-0319 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0042)</small>		
26 05 33 13-0320 EA 1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	15.53	5.13
<i>For Work In Restricted Working Space, Add</i>	3.85	
<i>For Installation Above 14', Add</i>	1.92	
26 05 33 13-0321 EA 3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	17.31	5.65
<i>For Work In Restricted Working Space, Add</i>	4.23	
<i>For Installation Above 14', Add</i>	2.12	
26 05 33 13-0322 EA 1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	19.84	6.41
<i>For Work In Restricted Working Space, Add</i>	4.81	
<i>For Installation Above 14', Add</i>	2.40	
26 05 33 13-0323 EA 1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	22.33	6.92
<i>For Work In Restricted Working Space, Add</i>	5.19	
<i>For Installation Above 14', Add</i>	2.60	
26 05 33 13-0324 EA 1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	26.24	7.69
<i>For Work In Restricted Working Space, Add</i>	5.77	
<i>For Installation Above 14', Add</i>	2.89	
26 05 33 13-0325 EA 2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	31.51	8.47
<i>For Work In Restricted Working Space, Add</i>	6.35	
<i>For Installation Above 14', Add</i>	3.17	
26 05 33 13-0326 EA 2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	42.24	10.26
<i>For Work In Restricted Working Space, Add</i>	7.70	
<i>For Installation Above 14', Add</i>	3.85	
26 05 33 13-0327 EA 3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	52.31	12.83
<i>For Work In Restricted Working Space, Add</i>	9.62	
<i>For Installation Above 14', Add</i>	4.81	
26 05 33 13-0328 EA 3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	62.83	15.39
<i>For Work In Restricted Working Space, Add</i>	11.54	
<i>For Installation Above 14', Add</i>	5.77	
26 05 33 13-0329 EA 4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	70.61	16.67
<i>For Work In Restricted Working Space, Add</i>	12.51	
<i>For Installation Above 14', Add</i>	6.25	
26 05 33 13-0330 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <small>(26 05 33 13-0042)</small>		
26 05 33 13-0331 EA 1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	14.86	5.77
<i>For Work In Restricted Working Space, Add</i>	3.47	
<i>For Installation Above 14', Add</i>	1.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.47	
26 05 33 13-0332 EA 3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	16.56	6.41
<i>For Work In Restricted Working Space, Add</i>	3.85	
<i>For Installation Above 14', Add</i>	1.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.85	
26 05 33 13-0333 EA 1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	20.41	8.01
<i>For Work In Restricted Working Space, Add</i>	4.81	
<i>For Installation Above 14', Add</i>	2.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.81	
26 05 33 13-0334 EA 1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	25.19	9.62
<i>For Work In Restricted Working Space, Add</i>	5.77	
<i>For Installation Above 14', Add</i>	2.89	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.77	
26 05 33 13-0335 EA 1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	32.19	12.83
<i>For Work In Restricted Working Space, Add</i>	7.70	
<i>For Installation Above 14', Add</i>	3.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-0336 EA 2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	37.60	14.43
<i>For Work In Restricted Working Space, Add</i>	8.66	
<i>For Installation Above 14', Add</i>	4.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
26 05 33 13-0337 EA 2-1/2" Water Tight Conduit Hubs.....	46.90	16.03
<i>For Work In Restricted Working Space, Add</i>	9.62	
<i>For Installation Above 14', Add</i>	4.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.62	
26 05 33 13-0338 EA 3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	63.65	20.20
<i>For Work In Restricted Working Space, Add</i>	12.12	
<i>For Installation Above 14', Add</i>	6.06	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.12	
26 05 33 13-0339 EA 3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	75.44	24.37
<i>For Work In Restricted Working Space, Add</i>	14.62	
<i>For Installation Above 14', Add</i>	7.31	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.62	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0340	EA		4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.92 17.32 8.66 17.32	28.86
26 05 33 13-0341			Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement <small>(26 05 33 13-0042)</small> Note: Type AX		
26 05 33 13-0342	EA		1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	75.87 7.70 3.85	10.26
26 05 33 13-0343	EA		3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	86.18 8.66 4.33	11.55
26 05 33 13-0344	EA		1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	102.58 9.62 4.81	12.83
26 05 33 13-0345	EA		1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	126.61 10.58 5.29	14.11
26 05 33 13-0346	EA		1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	160.54 11.54 5.77	15.39
26 05 33 13-0347	EA		2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	224.77 12.50 6.25	16.67
26 05 33 13-0348	EA		2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	347.28 15.39 7.70	20.52
26 05 33 13-0349	EA		3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	445.32 19.24 9.62	25.65
26 05 33 13-0350	EA		3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	654.22 23.09 11.54	30.78
26 05 33 13-0351	EA		4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	697.07 25.01 12.50	33.35
26 05 33 13-0352			Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement <small>(26 05 33 13-0042)</small> Note: Type AX-8		
26 05 33 13-0353	EA		1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	84.26 7.70 3.85	10.26
26 05 33 13-0354	EA		3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	93.61 8.66 4.33	11.55
26 05 33 13-0355	EA		1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	114.25 9.62 4.81	12.83
26 05 33 13-0356	EA		1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	144.99 10.58 5.29	14.11
26 05 33 13-0357	EA		1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	197.06 11.54 5.77	15.39
26 05 33 13-0358	EA		2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	242.22 12.50 6.25	16.67
26 05 33 13-0359	EA		2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	460.40 15.39 7.70	20.52
26 05 33 13-0360	EA		3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	522.56 19.24 9.62	25.65
26 05 33 13-0361	EA		3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	806.87 23.09 11.54	30.78
26 05 33 13-0362	EA		4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	873.51 25.01 12.50	33.35
26 05 33 13-0363	EA		5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,222.61 30.78 15.39	41.04
26 05 33 13-0364	EA		6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,513.55 34.17 17.09	45.53
26 05 33 13-0365			Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement <small>(26 05 33 13-0042)</small> Note: Type EX		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0366 EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	96.55	10.26
<i>For Work In Restricted Working Space, Add</i>	7.70	
<i>For Installation Above 14', Add</i>	3.85	
26 05 33 13-0367 EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	122.58	11.55
<i>For Work In Restricted Working Space, Add</i>	8.66	
<i>For Installation Above 14', Add</i>	4.33	
26 05 33 13-0368 EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	153.38	12.83
<i>For Work In Restricted Working Space, Add</i>	9.62	
<i>For Installation Above 14', Add</i>	4.81	
26 05 33 13-0369 EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	187.36	14.11
<i>For Work In Restricted Working Space, Add</i>	10.58	
<i>For Installation Above 14', Add</i>	5.29	
26 05 33 13-0370 EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	254.43	15.39
<i>For Work In Restricted Working Space, Add</i>	11.54	
<i>For Installation Above 14', Add</i>	5.77	
26 05 33 13-0371 EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	353.08	16.67
<i>For Work In Restricted Working Space, Add</i>	12.50	
<i>For Installation Above 14', Add</i>	6.25	
26 05 33 13-0372 EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	551.67	20.52
<i>For Work In Restricted Working Space, Add</i>	15.39	
<i>For Installation Above 14', Add</i>	7.70	
26 05 33 13-0373 EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	744.79	25.65
<i>For Work In Restricted Working Space, Add</i>	19.24	
<i>For Installation Above 14', Add</i>	9.62	
26 05 33 13-0374 EA 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,122.95	30.78
<i>For Work In Restricted Working Space, Add</i>	23.09	
<i>For Installation Above 14', Add</i>	11.54	
26 05 33 13-0375 EA 4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,161.40	33.35
<i>For Work In Restricted Working Space, Add</i>	25.01	
<i>For Installation Above 14', Add</i>	12.50	
26 05 33 13-0376 EA 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,753.30	41.04
<i>For Work In Restricted Working Space, Add</i>	30.78	
<i>For Installation Above 14', Add</i>	15.39	
26 05 33 13-0377 EA 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,176.75	45.53
<i>For Work In Restricted Working Space, Add</i>	34.17	
<i>For Installation Above 14', Add</i>	17.09	
26 05 33 13-0378 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings <small>(26 05 33 13-0042)</small>		
Note: Type DX		
26 05 33 13-0379 EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	172.30	10.26
<i>For Work In Restricted Working Space, Add</i>	7.70	
<i>For Installation Above 14', Add</i>	3.85	
26 05 33 13-0380 EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	205.65	11.55
<i>For Work In Restricted Working Space, Add</i>	8.66	
<i>For Installation Above 14', Add</i>	4.33	
26 05 33 13-0381 EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	249.25	12.83
<i>For Work In Restricted Working Space, Add</i>	9.62	
<i>For Installation Above 14', Add</i>	4.81	
26 05 33 13-0382 EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	293.59	14.11
<i>For Work In Restricted Working Space, Add</i>	10.58	
<i>For Installation Above 14', Add</i>	5.29	
26 05 33 13-0383 EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	324.78	15.39
<i>For Work In Restricted Working Space, Add</i>	11.54	
<i>For Installation Above 14', Add</i>	5.77	
26 05 33 13-0384 EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	402.76	16.67
<i>For Work In Restricted Working Space, Add</i>	12.50	
<i>For Installation Above 14', Add</i>	6.25	
26 05 33 13-0385 EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	533.23	20.52
<i>For Work In Restricted Working Space, Add</i>	15.39	
<i>For Installation Above 14', Add</i>	7.70	
26 05 33 13-0386 EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	676.44	25.65
<i>For Work In Restricted Working Space, Add</i>	19.24	
<i>For Installation Above 14', Add</i>	9.62	
26 05 33 13-0387 EA 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	760.01	30.78
<i>For Work In Restricted Working Space, Add</i>	23.09	
<i>For Installation Above 14', Add</i>	11.54	
26 05 33 13-0388 EA 4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	923.93	33.35
<i>For Work In Restricted Working Space, Add</i>	25.01	
<i>For Installation Above 14', Add</i>	12.50	
26 05 33 13-0389 EA 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	1,589.55	41.04
<i>For Work In Restricted Working Space, Add</i>	30.78	
<i>For Installation Above 14', Add</i>	15.39	
26 05 33 13-0390 EA 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	2,538.90	45.53
<i>For Work In Restricted Working Space, Add</i>	34.17	
<i>For Installation Above 14', Add</i>	17.09	
26 05 33 13-0391 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers <small>(26 05 33 13-0042)</small>		
26 05 33 13-0392 EA 1/2" To 3/4" Conduit, 14" Bonding Jumper	43.06	5.13
<i>For Work In Restricted Working Space, Add</i>	3.85	
<i>For Installation Above 14', Add</i>	1.92	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0393 EA 1" To 1-1/4" Conduit, 14" Bonding Jumper	49.33	6.41
For Work In Restricted Working Space, Add	4.81	
For Installation Above 14', Add	2.41	
26 05 33 13-0394 EA 1-1/2" To 2" Conduit, 14" Bonding Jumper	60.93	7.69
For Work In Restricted Working Space, Add	5.77	
For Installation Above 14', Add	2.89	
26 05 33 13-0395 EA 2-1/2" To 3" Conduit, 14" Bonding Jumper	85.89	10.26
For Work In Restricted Working Space, Add	7.70	
For Installation Above 14', Add	3.85	
26 05 33 13-0396 EA 3-1/2" To 4" Conduit, 14" Bonding Jumper	130.23	15.39
For Work In Restricted Working Space, Add	11.54	
For Installation Above 14', Add	5.77	
26 05 33 13-0397 EA 5" To 6" Conduit, 14" Bonding Jumper.....	225.62	20.52
For Work In Restricted Working Space, Add	15.39	
For Installation Above 14', Add	7.70	
26 05 33 13-0398 EA 1/2" To 3/4" Conduit, 24" Bonding Jumper.....	48.24	5.13
For Work In Restricted Working Space, Add	3.85	
For Installation Above 14', Add	1.92	
26 05 33 13-0399 EA 1" To 1-1/4" Conduit, 24" Bonding Jumper	55.87	6.41
For Work In Restricted Working Space, Add	4.81	
For Installation Above 14', Add	2.41	
26 05 33 13-0400 EA 1-1/2" To 2" Conduit, 24" Bonding Jumper	66.92	7.69
For Work In Restricted Working Space, Add	5.77	
For Installation Above 14', Add	2.89	
26 05 33 13-0401 EA 2-1/2" To 3" Conduit, 24" Bonding Jumper	93.85	10.26
For Work In Restricted Working Space, Add	7.70	
For Installation Above 14', Add	3.85	
26 05 33 13-0402 EA 3-1/2" To 4" Conduit, 24" Bonding Jumper	140.78	15.39
For Work In Restricted Working Space, Add	11.54	
For Installation Above 14', Add	5.77	
26 05 33 13-0403 EA 5" To 6" Conduit, 24" Bonding Jumper.....	259.66	20.52
For Work In Restricted Working Space, Add	15.39	
For Installation Above 14', Add	7.70	
26 05 33 13-0404 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal (26 05 33 13-0042)		
26 05 33 13-0405 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	50.81	16.03
For Work In Restricted Working Space, Add	9.62	
For Installation Above 14', Add	4.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.62	
26 05 33 13-0406 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	60.49	19.24
For Work In Restricted Working Space, Add	11.54	
For Installation Above 14', Add	5.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.54	
26 05 33 13-0407 EA 1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	73.18	22.45
For Work In Restricted Working Space, Add	13.47	
For Installation Above 14', Add	6.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.47	
26 05 33 13-0408 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	85.66	25.65
For Work In Restricted Working Space, Add	15.39	
For Installation Above 14', Add	7.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.39	
26 05 33 13-0409 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	109.44	28.86
For Work In Restricted Working Space, Add	17.32	
For Installation Above 14', Add	8.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.32	
26 05 33 13-0410 EA 2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	131.13	32.07
For Work In Restricted Working Space, Add	19.24	
For Installation Above 14', Add	9.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.24	
26 05 33 13-0411 EA 2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal	181.06	38.48
For Work In Restricted Working Space, Add	23.09	
For Installation Above 14', Add	11.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.09	
26 05 33 13-0412 EA 3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	216.96	44.89
For Work In Restricted Working Space, Add	26.93	
For Installation Above 14', Add	13.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.93	
26 05 33 13-0413 EA 3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	469.40	51.31
For Work In Restricted Working Space, Add	30.78	
For Installation Above 14', Add	15.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.78	
26 05 33 13-0414 EA 4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	539.94	57.72
For Work In Restricted Working Space, Add	34.63	
For Installation Above 14', Add	17.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.63	
26 05 33 13-0415 Rigid Galvanized Steel (RGS) Threaded Couplings (26 05 33 13-0042)		
26 05 33 13-0416 EA 1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	8.67	3.85
For Work In Restricted Working Space, Add	2.31	
For Installation Above 14', Add	1.15	
26 05 33 13-0417 EA 3/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	12.13	5.45
For Work In Restricted Working Space, Add	3.27	
For Installation Above 14', Add	1.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0418 EA 1" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.99 4.23 2.12	7.05
26 05 33 13-0419 EA 1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	18.40 4.81 2.40	8.01
26 05 33 13-0420 EA 1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	22.21 5.77 2.89	9.62
26 05 33 13-0421 EA 2" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	26.23 6.54 3.27	10.90
26 05 33 13-0422 EA 2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	34.30 7.31 3.66	12.19
26 05 33 13-0423 EA 3" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	40.48 8.27 4.14	13.79
26 05 33 13-0424 EA 3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	47.58 9.04 4.52	15.07
26 05 33 13-0425 EA 4" Threaded Rigid Galvanized Steel (RGS) Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	50.24 9.62 4.81	16.03
26 05 33 13-0426 Rigid Galvanized Steel (RGS) Sealing Locknut <small>(26 05 33 13-0042)</small>		
26 05 33 13-0427 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	2.15	0.64
26 05 33 13-0428 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	2.93	0.96
26 05 33 13-0429 EA 1" Rigid Galvanized Steel (RGS) Sealing Locknut.....	4.86	1.60
26 05 33 13-0430 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	7.07	2.25
26 05 33 13-0431 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	8.54	2.57
26 05 33 13-0432 EA 2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	10.11	2.89
26 05 33 13-0433 Rigid Galvanized Steel (RGS) Fire Stop Fittings <small>(26 05 33 13-0042)</small>		
26 05 33 13-0434 EA 1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.13 5.84 2.92 5.84	7.78
26 05 33 13-0435 EA 3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.00 6.40 3.20 6.40	8.53
26 05 33 13-0436 EA 1" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.75 7.01 3.50 7.01	9.36
26 05 33 13-0437 EA 1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.98 7.70 3.85 7.70	10.26
26 05 33 13-0438 EA 1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.65 8.66 4.33 8.66	11.55
26 05 33 13-0439 EA 2" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	210.39 9.62 4.81 9.62	12.83
26 05 33 13-0440 EA 2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	243.38 12.83 6.42 12.83	17.12
26 05 33 13-0441 EA 3" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	269.89 14.10 7.05 14.10	18.79
26 05 33 13-0442 EA 3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	313.22 15.40 7.70 15.40	20.52
26 05 33 13-0443 EA 4" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	353.05 17.32 8.66 17.32	23.09
26 05 33 13-0444 Rigid Galvanized Steel (RGS) Reducing Bushings <small>(26 05 33 13-0042)</small>		
26 05 33 13-0445 EA 3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.61 2.98 1.49 2.98	4.97

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0446	EA		1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	11.81	5.29
			<i>For Work In Restricted Working Space, Add</i>	3.17	
			<i>For Installation Above 14', Add</i>	1.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.17	
26 05 33 13-0447	EA		1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	12.13	5.45
			<i>For Work In Restricted Working Space, Add</i>	3.27	
			<i>For Installation Above 14', Add</i>	1.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.27	
26 05 33 13-0448	EA		1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	14.42	5.61
			<i>For Work In Restricted Working Space, Add</i>	3.37	
			<i>For Installation Above 14', Add</i>	1.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.37	
26 05 33 13-0449	EA		1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	14.75	5.77
			<i>For Work In Restricted Working Space, Add</i>	3.47	
			<i>For Installation Above 14', Add</i>	1.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.47	
26 05 33 13-0450	EA		1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	15.39	6.09
			<i>For Work In Restricted Working Space, Add</i>	3.66	
			<i>For Installation Above 14', Add</i>	1.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.66	
26 05 33 13-0451	EA		1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	16.71	6.41
			<i>For Work In Restricted Working Space, Add</i>	3.85	
			<i>For Installation Above 14', Add</i>	1.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.85	
26 05 33 13-0452	EA		1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	17.03	6.57
			<i>For Work In Restricted Working Space, Add</i>	3.95	
			<i>For Installation Above 14', Add</i>	1.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 05 33 13-0453	EA		1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	17.67	6.89
			<i>For Work In Restricted Working Space, Add</i>	4.14	
			<i>For Installation Above 14', Add</i>	2.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.14	
26 05 33 13-0454	EA		1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	18.31	7.21
			<i>For Work In Restricted Working Space, Add</i>	4.33	
			<i>For Installation Above 14', Add</i>	2.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.33	
26 05 33 13-0455	EA		2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	22.94	7.21
			<i>For Work In Restricted Working Space, Add</i>	4.33	
			<i>For Installation Above 14', Add</i>	2.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.33	
26 05 33 13-0456	EA		2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	23.25	7.37
			<i>For Work In Restricted Working Space, Add</i>	4.42	
			<i>For Installation Above 14', Add</i>	2.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.42	
26 05 33 13-0457	EA		2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	23.90	7.69
			<i>For Work In Restricted Working Space, Add</i>	4.62	
			<i>For Installation Above 14', Add</i>	2.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33 13-0458	EA		2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	24.54	8.01
			<i>For Work In Restricted Working Space, Add</i>	4.81	
			<i>For Installation Above 14', Add</i>	2.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.81	
26 05 33 13-0459	EA		2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	26.14	8.82
			<i>For Work In Restricted Working Space, Add</i>	5.29	
			<i>For Installation Above 14', Add</i>	2.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.29	
26 05 33 13-0460	EA		2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing	33.45	10.42
			<i>For Work In Restricted Working Space, Add</i>	6.25	
			<i>For Installation Above 14', Add</i>	3.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.25	
26 05 33 13-0461			Rigid Galvanized Steel (RGS) Locknuts <small>(26 05 33 13-0042)</small>	1.34	0.64
26 05 33 13-0462	EA		1/2" Rigid Galvanized Steel (RGS) Locknuts	1.34	0.64
			<i>For Work In Restricted Working Space, Add</i>	0.38	
			<i>For Installation Above 14', Add</i>	0.19	
26 05 33 13-0463	EA		3/4" Rigid Galvanized Steel (RGS) Locknuts	2.02	0.96
			<i>For Work In Restricted Working Space, Add</i>	0.58	
			<i>For Installation Above 14', Add</i>	0.29	
26 05 33 13-0464	EA		1" Rigid Galvanized Steel (RGS) Locknuts	3.36	1.60
			<i>For Work In Restricted Working Space, Add</i>	0.96	
			<i>For Installation Above 14', Add</i>	0.48	
26 05 33 13-0465	EA		1-1/4" Rigid Galvanized Steel (RGS) Locknuts	4.73	2.25
			<i>For Work In Restricted Working Space, Add</i>	1.35	
			<i>For Installation Above 14', Add</i>	0.67	
26 05 33 13-0466	EA		1-1/2" Rigid Galvanized Steel (RGS) Locknuts	5.44	2.57
			<i>For Work In Restricted Working Space, Add</i>	1.54	
			<i>For Installation Above 14', Add</i>	0.77	
26 05 33 13-0467	EA		2" Rigid Galvanized Steel (RGS) Locknuts	6.15	2.89
			<i>For Work In Restricted Working Space, Add</i>	1.73	
			<i>For Installation Above 14', Add</i>	0.87	
26 05 33 13-0468	EA		2-1/2" Rigid Galvanized Steel (RGS) Locknuts	8.70	3.85
			<i>For Work In Restricted Working Space, Add</i>	2.31	
			<i>For Installation Above 14', Add</i>	1.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0469 EA 3" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	10.73 2.89 1.44	4.81
26 05 33 13-0470 EA 3-1/2" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	12.75 3.27 1.64	5.45
26 05 33 13-0471 EA 4" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	14.32 3.66 1.83	6.09
26 05 33 13-0472 Rigid Galvanized Steel (RGS) Grounding Locknuts <small>(26 05 33 13-0042)</small>		
26 05 33 13-0473 EA 1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	2.20 0.38 0.19	0.64
26 05 33 13-0474 EA 3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.04 0.58 0.29	0.96
26 05 33 13-0475 EA 1" Rigid Galvanized Steel (RGS) Grounding Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.79 0.96 0.48	1.60
26 05 33 13-0476 EA 1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	6.69 1.35 0.67	2.25
26 05 33 13-0477 EA 1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.54 1.54 0.77	2.57
26 05 33 13-0478 EA 2" Rigid Galvanized Steel (RGS) Grounding Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.92 1.73 0.87	2.89
26 05 33 13-0479 EA 2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	13.54 2.31 1.15	3.85
26 05 33 13-0480 EA 3" Rigid Galvanized Steel (RGS) Grounding Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	17.05 2.89 1.44	4.81
26 05 33 13-0481 EA 3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	22.96 3.27 1.64	5.45
26 05 33 13-0482 EA 4" Rigid Galvanized Steel (RGS) Grounding Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	27.74 3.66 1.83	6.09
26 05 33 13-0483 Rigid Galvanized Steel (RGS) Insulated Ground Bushing <small>(26 05 33 13-0042)</small>		
26 05 33 13-0484 EA 1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	6.16 1.16 0.58	1.93
26 05 33 13-0485 EA 3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.63 1.54 0.77	2.57
26 05 33 13-0486 EA 1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	9.78 1.92 0.96	3.21
26 05 33 13-0487 EA 1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	14.03 3.08 1.54	5.13
26 05 33 13-0488 EA 1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.81 3.47 1.73	5.77
26 05 33 13-0489 EA 2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	18.05 3.85 1.92	6.41
26 05 33 13-0490 EA 2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	25.49 4.62 2.31	7.69
26 05 33 13-0491 EA 3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	30.80 5.77 2.89	9.62
26 05 33 13-0492 EA 3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	37.60 7.70 3.85	12.83
26 05 33 13-0493 EA 4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	45.57 9.62 4.81	16.03
26 05 33 13-0494 Rigid Galvanized Steel (RGS) Threadless Compression Connectors <small>(26 05 33 13-0042)</small>		
26 05 33 13-0495 EA 1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	13.17 3.47 1.73	5.77
26 05 33 13-0496 EA 3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.44 3.85 1.92	6.41

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0497 EA 1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	20.10 4.81 2.40	8.01
26 05 33 13-0498 EA 1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	26.90 5.77 2.89	9.62
26 05 33 13-0499 EA 1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	36.26 7.70 3.85	12.83
26 05 33 13-0500 EA 2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	52.43 9.62 4.81	16.03
26 05 33 13-0501 EA 2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	85.44 11.54 5.77	19.24
26 05 33 13-0502 EA 3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	107.14 13.47 6.73	22.45
26 05 33 13-0503 EA 3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	135.86 16.35 8.18	27.25
26 05 33 13-0504 EA 4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	163.71 19.24 9.62	32.07
26 05 33 13-0505 Rigid Galvanized Steel (RGS) Compression Coupling (26 05 33 13-0042)		
26 05 33 13-0506 EA 1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	18.64 4.81 2.40	8.01
26 05 33 13-0507 EA 3/4" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	23.43 5.77 2.89	9.62
26 05 33 13-0508 EA 1" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	32.95 7.70 3.85	12.83
26 05 33 13-0509 EA 1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	42.88 9.62 4.81	16.03
26 05 33 13-0510 EA 1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	52.56 11.54 5.77	19.24
26 05 33 13-0511 EA 2" Rigid Galvanized Steel (RGS) Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	75.67 13.47 6.73	22.45
26 05 33 13-0512 EA 2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	116.15 15.39 7.70	25.65
26 05 33 13-0513 EA 3" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	130.15 13.27 6.64	22.13
26 05 33 13-0514 EA 3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	180.42 20.20 10.10	33.67
26 05 33 13-0515 EA 4" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	221.66 23.09 11.54	38.48
26 05 33 13-0516 Rigid Galvanized Steel (RGS) Knock Out Seal (26 05 33 13-0042)		
26 05 33 13-0517 EA 1/2" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.41 0.96 0.48	1.60
26 05 33 13-0518 EA 3/4" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.11 1.16 0.58	1.93
26 05 33 13-0519 EA 1" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.90 1.35 0.67	2.25
26 05 33 13-0520 EA 1-1/4" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	6.30 1.73 0.87	2.89
26 05 33 13-0521 EA 1-1/2" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.15 1.92 0.96	3.21
26 05 33 13-0522 EA 2" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.74 2.31 1.15	3.85
26 05 33 13-0523 EA 2-1/2" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	12.07 2.89 1.44	4.81
26 05 33 13-0524 EA 3" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	14.01 3.27 1.64	5.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0525 EA 3-1/2" 3-Piece Knock Out Seal	15.80	6.09
For Work In Restricted Working Space, Add	3.66	
For Installation Above 14', Add	1.83	
26 05 33 13-0526 EA 4" 3-Piece Knock Out Seal	18.24	6.73
For Work In Restricted Working Space, Add	4.04	
For Installation Above 14', Add	2.02	
26 05 33 13-0527 Rigid Galvanized Steel (RGS) Chase Nipples (26 05 33 13-0042)		
26 05 33 13-0528 EA 1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	7.99	3.85
For Work In Restricted Working Space, Add	2.31	
For Installation Above 14', Add	1.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.31	
26 05 33 13-0529 EA 3/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	9.48	4.49
For Work In Restricted Working Space, Add	2.69	
For Installation Above 14', Add	1.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.69	
26 05 33 13-0530 EA 1" Rigid Galvanized Steel (RGS) Chase Nipple.....	11.99	5.45
For Work In Restricted Working Space, Add	3.27	
For Installation Above 14', Add	1.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.27	
26 05 33 13-0531 EA 1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	14.73	6.41
For Work In Restricted Working Space, Add	3.85	
For Installation Above 14', Add	1.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.85	
26 05 33 13-0532 EA 1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	18.47	8.01
For Work In Restricted Working Space, Add	4.81	
For Installation Above 14', Add	2.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.81	
26 05 33 13-0533 EA 2" Rigid Galvanized Steel (RGS) Chase Nipple.....	23.20	9.62
For Work In Restricted Working Space, Add	5.77	
For Installation Above 14', Add	2.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.77	
26 05 33 13-0534 EA 2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	29.98	11.22
For Work In Restricted Working Space, Add	6.74	
For Installation Above 14', Add	3.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.74	
26 05 33 13-0535 EA 3" Rigid Galvanized Steel (RGS) Chase Nipple.....	33.38	12.83
For Work In Restricted Working Space, Add	7.70	
For Installation Above 14', Add	3.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	
26 05 33 13-0536 EA 3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	42.52	14.43
For Work In Restricted Working Space, Add	8.66	
For Installation Above 14', Add	4.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.66	
26 05 33 13-0537 EA 4" Rigid Galvanized Steel (RGS) Chase Nipple.....	60.70	16.03
For Work In Restricted Working Space, Add	9.62	
For Installation Above 14', Add	4.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.62	
26 05 33 13-0538 Rigid Galvanized Steel (RGS) Pulling Elbow (26 05 33 13-0042)		
26 05 33 13-0539 EA 1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	16.74	5.77
For Work In Restricted Working Space, Add	3.47	
For Installation Above 14', Add	1.73	
26 05 33 13-0540 EA 3/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	19.43	6.73
For Work In Restricted Working Space, Add	4.04	
For Installation Above 14', Add	2.02	
26 05 33 13-0541 EA 1" Rigid Galvanized Steel (RGS) Pulling Elbow.....	25.29	7.69
For Work In Restricted Working Space, Add	4.62	
For Installation Above 14', Add	2.31	
26 05 33 13-0542 EA 1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	32.57	9.62
For Work In Restricted Working Space, Add	5.77	
For Installation Above 14', Add	2.89	
26 05 33 13-0543 EA 1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	44.25	11.55
For Work In Restricted Working Space, Add	6.93	
For Installation Above 14', Add	3.46	
26 05 33 13-0544 EA 2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	60.42	13.47
For Work In Restricted Working Space, Add	8.08	
For Installation Above 14', Add	4.04	
26 05 33 13-0545 EA 2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	86.07	15.39
For Work In Restricted Working Space, Add	9.23	
For Installation Above 14', Add	4.62	
26 05 33 13-0546 EA 3" Rigid Galvanized Steel (RGS) Pulling Elbow.....	155.61	19.24
For Work In Restricted Working Space, Add	11.54	
For Installation Above 14', Add	5.77	
26 05 33 13-0547 Electrical Metallic Tubing (EMT) Thinwall Conduit (26 05 33 13-0041)		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0548 Electrical Metallic Tubing (EMT) Thinwall Conduit (26 05 33 13-0547)		
Note: Includes field bending conduit up to and including 1".		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0549	LF		1/2" Electrical Metallic Tubing (EMT) Conduit.....	3.26	1.15
			<i>For >250 To 500, Deduct</i>	-0.02	
			<i>For >500 To 1,000, Deduct</i>	-0.17	
			<i>For >1,000, Deduct</i>	-0.25	
			<i>For Installation In Metal Stud Wall, Add</i>	0.29	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.72	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.43	
			<i>For Work In Restricted Working Space, Add</i>	0.87	
			<i>For Installation Above 14', Add</i>	0.43	
			<i>For Factory Applied Color Coating, Add</i>	0.11	
26 05 33 13-0550	LF		3/4" Electrical Metallic Tubing (EMT) Conduit.....	3.79	1.28
			<i>For >250 To 500, Deduct</i>	-0.03	
			<i>For >500 To 1,000, Deduct</i>	-0.20	
			<i>For >1,000, Deduct</i>	-0.30	
			<i>For Installation In Metal Stud Wall, Add</i>	0.32	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.80	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.48	
			<i>For Work In Restricted Working Space, Add</i>	0.96	
			<i>For Installation Above 14', Add</i>	0.48	
			<i>For Factory Applied Color Coating, Add</i>	0.17	
26 05 33 13-0551	LF		1" Electrical Metallic Tubing (EMT) Conduit.....	4.49	1.41
			<i>For >250 To 500, Deduct</i>	-0.05	
			<i>For >500 To 1,000, Deduct</i>	-0.25	
			<i>For >1,000, Deduct</i>	-0.36	
			<i>For Installation In Metal Stud Wall, Add</i>	0.35	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.88	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.53	
			<i>For Work In Restricted Working Space, Add</i>	1.06	
			<i>For Installation Above 14', Add</i>	0.53	
			<i>For Factory Applied Color Coating, Add</i>	0.29	
26 05 33 13-0552	LF		1-1/4" Electrical Metallic Tubing (EMT) Conduit.....	5.48	1.59
			<i>For >250 To 500, Deduct</i>	-0.08	
			<i>For >500 To 1,000, Deduct</i>	-0.31	
			<i>For >1,000, Deduct</i>	-0.45	
			<i>For Installation In Metal Stud Wall, Add</i>	0.40	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.99	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.60	
			<i>For Work In Restricted Working Space, Add</i>	1.19	
			<i>For Installation Above 14', Add</i>	0.60	
			<i>For Factory Applied Color Coating, Add</i>	0.45	
26 05 33 13-0553	LF		1-1/2" Electrical Metallic Tubing (EMT) Conduit.....	6.37	1.80
			<i>For >250 To 500, Deduct</i>	-0.09	
			<i>For >500 To 1,000, Deduct</i>	-0.37	
			<i>For >1,000, Deduct</i>	-0.52	
			<i>For Installation In Metal Stud Wall, Add</i>	0.45	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.12	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.67	
			<i>For Work In Restricted Working Space, Add</i>	1.35	
			<i>For Installation Above 14', Add</i>	0.67	
			<i>For Factory Applied Color Coating, Add</i>	0.56	
26 05 33 13-0554	LF		2" Electrical Metallic Tubing (EMT) Conduit.....	7.36	2.06
			<i>For >250 To 500, Deduct</i>	-0.11	
			<i>For >500 To 1,000, Deduct</i>	-0.42	
			<i>For >1,000, Deduct</i>	-0.61	
			<i>For Installation In Metal Stud Wall, Add</i>	0.51	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.28	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.77	
			<i>For Work In Restricted Working Space, Add</i>	1.54	
			<i>For Installation Above 14', Add</i>	0.77	
			<i>For Factory Applied Color Coating, Add</i>	0.67	
26 05 33 13-0555	LF		2-1/2" Electrical Metallic Tubing (EMT) Conduit.....	9.40	2.44
			<i>For >250 To 500, Deduct</i>	-0.17	
			<i>For >500 To 1,000, Deduct</i>	-0.55	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For Installation In Metal Stud Wall, Add</i>	0.61	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.52	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.91	
			<i>For Work In Restricted Working Space, Add</i>	1.83	
			<i>For Installation Above 14', Add</i>	0.91	
			<i>For Factory Applied Color Coating, Add</i>	0.99	
26 05 33 13-0556	LF		3" Electrical Metallic Tubing (EMT) Conduit.....	11.19	2.82
			<i>For >250 To 500, Deduct</i>	-0.21	
			<i>For >500 To 1,000, Deduct</i>	-0.66	
			<i>For >1,000, Deduct</i>	-0.94	
			<i>For Installation In Metal Stud Wall, Add</i>	0.71	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.76	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.06	
			<i>For Work In Restricted Working Space, Add</i>	2.12	
			<i>For Installation Above 14', Add</i>	1.06	
			<i>For Factory Applied Color Coating, Add</i>	1.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0557 LF 3-1/2" Electrical Metallic Tubing (EMT) Conduit	13.87	3.33
For >250 To 500, Deduct	-0.28	
For >500 To 1,000, Deduct	-0.83	
For >1,000, Deduct	-1.18	
For Installation In Metal Stud Wall, Add	0.83	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.09	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.25	
For Work In Restricted Working Space, Add	2.50	
For Installation Above 14', Add	1.25	
For Factory Applied Color Coating, Add	1.66	
26 05 33 13-0558 LF 4" Electrical Metallic Tubing (EMT) Conduit.....	18.45	5.11
For >250 To 500, Deduct	-0.28	
For >500 To 1,000, Deduct	-1.06	
For >1,000, Deduct	-1.53	
For Installation In Metal Stud Wall, Add	1.28	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.20	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.92	
For Work In Restricted Working Space, Add	3.83	
For Installation Above 14', Add	1.92	
For Factory Applied Color Coating, Add	1.70	
26 05 33 13-0559 Electrical Metallic Tubing (EMT) 90 Degree Elbows (26 05 33 13-0547)		
See CSI section 26 05 33 13-1200 for conduit field bending.		
26 05 33 13-0560 Electrical Metallic Tubing (EMT) Set Screw Couplings (26 05 33 13-0547)		
26 05 33 13-0561 EA 1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	3.41	1.53
For Work In Restricted Working Space, Add	0.96	
For Installation Above 14', Add	0.48	
26 05 33 13-0562 EA 3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	4.14	1.53
For Work In Restricted Working Space, Add	1.16	
For Installation Above 14', Add	0.58	
26 05 33 13-0563 EA 1" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	4.92	1.80
For Work In Restricted Working Space, Add	1.34	
For Installation Above 14', Add	0.67	
26 05 33 13-0564 EA 1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	6.74	2.31
For Work In Restricted Working Space, Add	1.73	
For Installation Above 14', Add	0.87	
26 05 33 13-0565 EA 1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	8.33	2.82
For Work In Restricted Working Space, Add	2.12	
For Installation Above 14', Add	1.06	
26 05 33 13-0566 EA 2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	11.32	3.85
For Work In Restricted Working Space, Add	2.89	
For Installation Above 14', Add	1.44	
26 05 33 13-0567 EA 2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	15.81	5.13
For Work In Restricted Working Space, Add	3.85	
For Installation Above 14', Add	1.92	
26 05 33 13-0568 EA 3" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	20.66	5.90
For Work In Restricted Working Space, Add	4.81	
For Installation Above 14', Add	2.40	
26 05 33 13-0569 EA 3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	22.91	6.41
For Work In Restricted Working Space, Add	5.77	
For Installation Above 14', Add	2.89	
26 05 33 13-0570 EA 4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	66.52	18.52
For Work In Restricted Working Space, Add	17.99	
For Installation Above 14', Add	9.00	
26 05 33 13-0571 Electrical Metallic Tubing (EMT) Compression Couplings (26 05 33 13-0547)		
26 05 33 13-0572 EA 1/2 Electrical Metallic Tubing (EMT) Compression Coupling	4.34	1.53
For Work In Restricted Working Space, Add	1.16	
For Installation Above 14', Add	0.58	
26 05 33 13-0573 EA 3/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	5.03	1.80
For Work In Restricted Working Space, Add	1.35	
For Installation Above 14', Add	0.67	
26 05 33 13-0574 EA 1" Electrical Metallic Tubing (EMT) Compression Coupling.....	7.16	2.57
For Work In Restricted Working Space, Add	1.92	
For Installation Above 14', Add	0.96	
26 05 33 13-0575 EA 1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	9.26	3.08
For Work In Restricted Working Space, Add	2.31	
For Installation Above 14', Add	1.15	
26 05 33 13-0576 EA 1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	11.18	3.59
For Work In Restricted Working Space, Add	2.69	
For Installation Above 14', Add	1.35	
26 05 33 13-0577 EA 2" Electrical Metallic Tubing (EMT) Compression Coupling.....	14.37	4.36
For Work In Restricted Working Space, Add	3.27	
For Installation Above 14', Add	1.64	
26 05 33 13-0578 EA 2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	23.79	5.90
For Work In Restricted Working Space, Add	4.42	
For Installation Above 14', Add	2.21	
26 05 33 13-0579 EA 3" Electrical Metallic Tubing (EMT) Compression Coupling.....	28.24	7.18
For Work In Restricted Working Space, Add	5.39	
For Installation Above 14', Add	2.69	
26 05 33 13-0580 EA 3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	35.32	8.98
For Work In Restricted Working Space, Add	6.74	
For Installation Above 14', Add	3.37	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0581	EA	4" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	45.28 8.66 4.33	11.55
26 05 33 13-0582 Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw ⁽²⁶					
26 05 33	13-0583	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.37 0.96 0.48 0.96	1.28
26 05 33	13-0584	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.10 1.16 0.58 1.16	1.53
26 05 33	13-0585	EA	1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.93 1.35 0.67 1.35	1.80
26 05 33	13-0586	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.23 1.92 0.96 1.92	2.57
26 05 33	13-0587	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.88 2.31 1.15 2.31	3.08
26 05 33	13-0588	EA	2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.38 2.89 1.44 2.89	3.85
26 05 33	13-0589	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.72 3.85 1.92 3.85	5.13
26 05 33	13-0590	EA	3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.01 4.81 2.40 4.81	6.41
26 05 33	13-0591	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.96 5.77 2.89 5.77	7.69
26 05 33	13-0592	EA	4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.23 6.74 3.37 6.74	8.98
26 05 33 13-0593 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw ^(26 05 33 13-0547)					
26 05 33	13-0594	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55 1.29 0.64 1.29	1.74
26 05 33	13-0595	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.10 1.40 0.70 1.40	1.86
26 05 33	13-0596	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45 1.71 0.86 1.71	2.31
26 05 33	13-0597	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.55 2.19 1.10 2.19	2.95
26 05 33	13-0598	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.18 2.56 1.28 2.56	3.40
26 05 33	13-0599	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.52 3.08 1.54 3.08	4.10
26 05 33	13-0600	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.64 4.27 2.13 4.27	5.71
26 05 33	13-0601	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.84 5.69 2.85 5.69	7.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0602 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	35.51	9.75
For Work In Restricted Working Space, Add	7.33	
For Installation Above 14', Add	3.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.33	
26 05 33 13-0603 EA 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	44.26	12.83
For Work In Restricted Working Space, Add	9.62	
For Installation Above 14', Add	4.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.62	
26 05 33 13-0604 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors <small>(26 05 33 13-0547)</small>		
26 05 33 13-0605 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	4.72	1.74
For Work In Restricted Working Space, Add	1.29	
For Installation Above 14', Add	0.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.29	
26 05 33 13-0606 EA 3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	5.28	1.86
For Work In Restricted Working Space, Add	1.40	
For Installation Above 14', Add	0.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.40	
26 05 33 13-0607 EA 1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	6.61	2.31
For Work In Restricted Working Space, Add	1.71	
For Installation Above 14', Add	0.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.71	
26 05 33 13-0608 EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	8.98	2.95
For Work In Restricted Working Space, Add	2.19	
For Installation Above 14', Add	1.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.19	
26 05 33 13-0609 EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	10.90	3.40
For Work In Restricted Working Space, Add	2.56	
For Installation Above 14', Add	1.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.56	
26 05 33 13-0610 EA 2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	13.57	4.10
For Work In Restricted Working Space, Add	3.08	
For Installation Above 14', Add	1.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.08	
26 05 33 13-0611 EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	25.46	5.71
For Work In Restricted Working Space, Add	4.27	
For Installation Above 14', Add	2.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.27	
26 05 33 13-0612 EA 3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	34.26	7.56
For Work In Restricted Working Space, Add	5.69	
For Installation Above 14', Add	2.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.69	
26 05 33 13-0613 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	46.76	9.75
For Work In Restricted Working Space, Add	7.33	
For Installation Above 14', Add	3.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.33	
26 05 33 13-0614 EA 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	58.18	12.83
For Work In Restricted Working Space, Add	9.62	
For Installation Above 14', Add	4.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.62	
26 05 33 13-0615 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters <small>(26 05 33 13-0547)</small>		
26 05 33 13-0616 EA 1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	6.77	2.31
For Work In Restricted Working Space, Add	1.71	
For Installation Above 14', Add	0.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.71	
26 05 33 13-0617 EA 1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	7.35	2.31
For Work In Restricted Working Space, Add	1.71	
For Installation Above 14', Add	0.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.71	
26 05 33 13-0618 EA 3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	8.22	2.50
For Work In Restricted Working Space, Add	1.90	
For Installation Above 14', Add	0.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.90	
26 05 33 13-0619 EA 1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	9.63	2.89
For Work In Restricted Working Space, Add	2.16	
For Installation Above 14', Add	1.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.16	
26 05 33 13-0620 EA 1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	14.21	3.46
For Work In Restricted Working Space, Add	2.61	
For Installation Above 14', Add	1.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.61	
26 05 33 13-0621 EA 1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	17.60	3.97
For Work In Restricted Working Space, Add	2.99	
For Installation Above 14', Add	1.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.99	
26 05 33 13-0622 EA 2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	23.11	5.01
For Work In Restricted Working Space, Add	3.73	
For Installation Above 14', Add	1.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.73	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0623			Electrical Metallic Tubing (EMT) Pulling Elbows <small>(26 05 33 13-0547)</small>		
26 05 33 13-0624	EA		1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	14.33	5.77
			<i>For Work In Restricted Working Space, Add</i>	3.47	
			<i>For Installation Above 14', Add</i>	1.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.47	
26 05 33 13-0625	EA		3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	16.69	6.73
			<i>For Work In Restricted Working Space, Add</i>	4.04	
			<i>For Installation Above 14', Add</i>	2.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.04	
26 05 33 13-0626	EA		1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	21.14	7.69
			<i>For Work In Restricted Working Space, Add</i>	4.62	
			<i>For Installation Above 14', Add</i>	2.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33 13-0627	EA		1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	27.15	9.62
			<i>For Work In Restricted Working Space, Add</i>	5.77	
			<i>For Installation Above 14', Add</i>	2.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.77	
26 05 33 13-0628			Intermediate Metal Conduit (IMC) <small>(26 05 33 13-0041)</small>		
			Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0629			Intermediate Metal Conduit (IMC) Conduit <small>(26 05 33 13-0628)</small>		
			Note: Includes field bending conduit up to 1".		
26 05 33 13-0630	LF		1/2" Intermediate Metal Conduit (IMC) Conduit	4.15	1.28
			<i>For >250 To 500, Deduct</i>	-0.05	
			<i>For >500 To 1,000, Deduct</i>	-0.07	
			<i>For >1,000, Deduct</i>	-0.09	
			<i>For Installation In Metal Stub Wall, Add</i>	0.32	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.80	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.48	
			<i>For Work In Restricted Working Space, Add</i>	0.96	
			<i>For Installation Above 14', Add</i>	0.48	
26 05 33 13-0631	LF		3/4" Intermediate Metal Conduit (IMC) Conduit	4.65	1.41
			<i>For >250 To 500, Deduct</i>	-0.06	
			<i>For >500 To 1,000, Deduct</i>	-0.08	
			<i>For >1,000, Deduct</i>	-0.11	
			<i>For Installation In Metal Stub Wall, Add</i>	0.35	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.88	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.53	
			<i>For Work In Restricted Working Space, Add</i>	1.06	
			<i>For Installation Above 14', Add</i>	0.53	
26 05 33 13-0632	LF		1" Intermediate Metal Conduit (IMC) Conduit	5.59	1.53
			<i>For >250 To 500, Deduct</i>	-0.09	
			<i>For >500 To 1,000, Deduct</i>	-0.13	
			<i>For >1,000, Deduct</i>	-0.17	
			<i>For Installation In Metal Stub Wall, Add</i>	0.39	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.96	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.58	
			<i>For Work In Restricted Working Space, Add</i>	1.16	
			<i>For Installation Above 14', Add</i>	0.58	
26 05 33 13-0633	LF		1-1/4" Intermediate Metal Conduit (IMC) Conduit	6.69	3.08
			<i>For >250 To 500, Deduct</i>	-0.11	
			<i>For >500 To 1,000, Deduct</i>	-0.17	
			<i>For >1,000, Deduct</i>	-0.22	
			<i>For Installation In Metal Stub Wall, Add</i>	0.45	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.12	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.67	
			<i>For Work In Restricted Working Space, Add</i>	1.35	
			<i>For Installation Above 14', Add</i>	0.67	
26 05 33 13-0634	LF		1-1/2" Intermediate Metal Conduit (IMC) Conduit	7.72	2.06
			<i>For >250 To 500, Deduct</i>	-0.13	
			<i>For >500 To 1,000, Deduct</i>	-0.19	
			<i>For >1,000, Deduct</i>	-0.26	
			<i>For Installation In Metal Stub Wall, Add</i>	0.51	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.28	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.77	
			<i>For Work In Restricted Working Space, Add</i>	1.54	
			<i>For Installation Above 14', Add</i>	0.77	
26 05 33 13-0635	LF		2" Intermediate Metal Conduit (IMC) Conduit	9.29	2.31
			<i>For >250 To 500, Deduct</i>	-0.18	
			<i>For >500 To 1,000, Deduct</i>	-0.26	
			<i>For >1,000, Deduct</i>	-0.35	
			<i>For Installation In Metal Stub Wall, Add</i>	0.58	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.44	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.87	
			<i>For Work In Restricted Working Space, Add</i>	1.73	
			<i>For Installation Above 14', Add</i>	0.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0636 LF 2-1/2" Intermediate Metal Conduit (IMC) Conduit	15.49	3.08
For >250 To 500, Deduct	-0.39	
For >500 To 1,000, Deduct	-0.59	
For >1,000, Deduct	-0.78	
For Installation In Metal Stub Wall, Add	0.77	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.92	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.15	
For Work In Restricted Working Space, Add	2.31	
For Installation Above 14', Add	1.15	
26 05 33 13-0637 LF 3" Intermediate Metal Conduit (IMC) Conduit	19.22	3.85
For >250 To 500, Deduct	-0.48	
For >500 To 1,000, Deduct	-0.72	
For >1,000, Deduct	-0.96	
For Installation In Metal Stub Wall, Add	0.96	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.41	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.44	
For Work In Restricted Working Space, Add	2.89	
For Installation Above 14', Add	1.44	
26 05 33 13-0638 LF 3-1/2" Intermediate Metal Conduit (IMC) Conduit	22.67	4.61
For >250 To 500, Deduct	-0.56	
For >500 To 1,000, Deduct	-0.83	
For >1,000, Deduct	-1.11	
For Installation In Metal Stub Wall, Add	1.16	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.89	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.73	
For Work In Restricted Working Space, Add	3.47	
For Installation Above 14', Add	1.73	
26 05 33 13-0639 LF 4" Intermediate Metal Conduit (IMC) Conduit	26.56	5.39
For >250 To 500, Deduct	-0.65	
For >500 To 1,000, Deduct	-0.98	
For >1,000, Deduct	-1.31	
For Installation In Metal Stub Wall, Add	1.35	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.37	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.02	
For Work In Restricted Working Space, Add	4.04	
For Installation Above 14', Add	2.02	
26 05 33 13-0640 Intermediate Metal Conduit (IMC) 90 Degree Elbows <small>(26 05 33 13-0628)</small>		
See CSI section 26 05 33 13-1200 for conduit field bending.		
26 05 33 13-0641 EA 1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	32.13	9.68
For Work In Restricted Working Space, Add	7.24	
For Installation Above 14', Add	3.62	
26 05 33 13-0642 EA 1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	39.24	11.22
For Work In Restricted Working Space, Add	8.41	
For Installation Above 14', Add	4.21	
26 05 33 13-0643 EA 1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	46.34	12.89
For Work In Restricted Working Space, Add	9.65	
For Installation Above 14', Add	4.83	
26 05 33 13-0644 EA 2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	55.79	14.17
For Work In Restricted Working Space, Add	10.62	
For Installation Above 14', Add	5.31	
26 05 33 13-0645 EA 2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	78.86	17.70
For Work In Restricted Working Space, Add	13.27	
For Installation Above 14', Add	6.64	
26 05 33 13-0646 EA 3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	113.27	24.11
For Work In Restricted Working Space, Add	18.08	
For Installation Above 14', Add	9.04	
26 05 33 13-0647 EA 3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	161.55	27.19
For Work In Restricted Working Space, Add	20.40	
For Installation Above 14', Add	10.20	
26 05 33 13-0648 EA 4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	197.01	35.40
For Work In Restricted Working Space, Add	26.54	
For Installation Above 14', Add	13.27	
26 05 33 13-0649 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut <small>(26 05 33 13-0628)</small>		
26 05 33 13-0650 EA 1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	8.69	3.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.50	
26 05 33 13-0651 EA 3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	10.21	0.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.89	
26 05 33 13-0652 EA 1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	13.18	4.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.66	
26 05 33 13-0653 EA 1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	16.07	5.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.43	
26 05 33 13-0654 EA 1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	17.91	6.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.81	
26 05 33 13-0655 EA 2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	22.98	7.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.96	
26 05 33 13-0656 EA 2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	41.72	12.83
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.62	
26 05 33 13-0657 EA 3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	52.19	17.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.08	
26 05 33 13-0658 EA 3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	67.46	20.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.59	

26 Electrical
26 05 Common Work Results For Electrical
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0659	EA		4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.47 18.08	24.11
26 05 33 13-0660			Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings <small>(26 05 33 13-0628)</small> Note: 3-Piece coupling.		
26 05 33 13-0661	EA		1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.36 7.70 3.85 7.70	10.26
26 05 33 13-0662	EA		3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.12 8.60 4.30 8.60	11.47
26 05 33 13-0663	EA		1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.60 9.58 4.79 9.58	12.76
26 05 33 13-0664	EA		1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.21 10.48 5.24 10.48	13.98
26 05 33 13-0665	EA		1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.63 11.47 5.73 11.47	15.27
26 05 33 13-0666	EA		2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.20 12.42 6.21 12.42	16.55
26 05 33 13-0667	EA		2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.18 15.39 7.70 15.39	20.52
26 05 33 13-0668	EA		3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	164.58 19.24 9.62 19.24	25.65
26 05 33 13-0669	EA		3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	238.37 23.09 11.55 23.09	30.78
26 05 33 13-0670	EA		4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	274.39 25.01 12.50 25.01	33.35
26 05 33 13-0671			Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0628)</small>		
26 05 33 13-0672	EA		1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.75 3.85 1.92	5.13
26 05 33 13-0673	EA		3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	17.57 4.23 2.12	5.65
26 05 33 13-0674	EA		1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	20.15 4.81 2.40	6.41
26 05 33 13-0675	EA		1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	22.74 5.19 2.60	6.92
26 05 33 13-0676	EA		1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	26.82 5.77 2.89	7.69
26 05 33 13-0677	EA		2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	32.36 6.35 3.17	8.47
26 05 33 13-0678	EA		2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	43.60 7.70 3.85	10.26
26 05 33 13-0679	EA		3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	53.97 9.62 4.81	12.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0680 EA 3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	64.83	15.39
<i>For Work In Restricted Working Space, Add</i>	11.54	
<i>For Installation Above 14', Add</i>	5.77	
26 05 33 13-0681 EA 4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	72.98	16.67
<i>For Work In Restricted Working Space, Add</i>	12.51	
<i>For Installation Above 14', Add</i>	6.25	
26 05 33 13-0682 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs <small>(26 05 33 13-0628)</small>		
26 05 33 13-0683 EA 1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	14.05	5.13
<i>For Work In Restricted Working Space, Add</i>	3.85	
<i>For Installation Above 14', Add</i>	1.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.85	
26 05 33 13-0684 EA 3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	17.86	6.41
<i>For Work In Restricted Working Space, Add</i>	4.81	
<i>For Installation Above 14', Add</i>	2.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.81	
26 05 33 13-0685 EA 1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	21.94	7.69
<i>For Work In Restricted Working Space, Add</i>	5.77	
<i>For Installation Above 14', Add</i>	2.89	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.77	
26 05 33 13-0686 EA 1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	26.27	8.98
<i>For Work In Restricted Working Space, Add</i>	6.74	
<i>For Installation Above 14', Add</i>	3.37	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.74	
26 05 33 13-0687 EA 1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	30.57	10.26
<i>For Work In Restricted Working Space, Add</i>	7.70	
<i>For Installation Above 14', Add</i>	3.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-0688 EA 2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	35.97	11.55
<i>For Work In Restricted Working Space, Add</i>	8.66	
<i>For Installation Above 14', Add</i>	4.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
26 05 33 13-0689 EA 2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	43.99	12.83
<i>For Work In Restricted Working Space, Add</i>	9.62	
<i>For Installation Above 14', Add</i>	4.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.62	
26 05 33 13-0690 EA 3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	51.33	14.11
<i>For Work In Restricted Working Space, Add</i>	10.58	
<i>For Installation Above 14', Add</i>	5.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.58	
26 05 33 13-0691 EA 3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	62.51	16.67
<i>For Work In Restricted Working Space, Add</i>	12.51	
<i>For Installation Above 14', Add</i>	6.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.51	
26 05 33 13-0692 EA 4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	71.16	17.95
<i>For Work In Restricted Working Space, Add</i>	13.47	
<i>For Installation Above 14', Add</i>	6.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.47	
26 05 33 13-0693 Intermediate Metal Conduit (IMC) Expansion Fittings <small>(26 05 33 13-0628)</small>		
26 05 33 13-0694 EA 1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	78.36	10.26
<i>For Work In Restricted Working Space, Add</i>	7.70	
<i>For Installation Above 14', Add</i>	3.85	
26 05 33 13-0695 EA 3/4" Intermediate Metal Conduit (IMC) Expansion Fitting	86.83	11.55
<i>For Work In Restricted Working Space, Add</i>	8.66	
<i>For Installation Above 14', Add</i>	4.33	
26 05 33 13-0696 EA 1" Intermediate Metal Conduit (IMC) Expansion Fitting	96.49	12.83
<i>For Work In Restricted Working Space, Add</i>	9.62	
<i>For Installation Above 14', Add</i>	4.81	
26 05 33 13-0697 EA 1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	115.65	14.11
<i>For Work In Restricted Working Space, Add</i>	10.58	
<i>For Installation Above 14', Add</i>	5.29	
26 05 33 13-0698 EA 1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	140.42	15.39
<i>For Work In Restricted Working Space, Add</i>	11.54	
<i>For Installation Above 14', Add</i>	5.77	
26 05 33 13-0699 EA 2" Intermediate Metal Conduit (IMC) Expansion Fitting	182.25	16.67
<i>For Work In Restricted Working Space, Add</i>	12.50	
<i>For Installation Above 14', Add</i>	6.25	
26 05 33 13-0700 EA 2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	272.12	20.52
<i>For Work In Restricted Working Space, Add</i>	15.39	
<i>For Installation Above 14', Add</i>	7.70	
26 05 33 13-0701 EA 3" Intermediate Metal Conduit (IMC) Expansion Fitting	327.78	25.65
<i>For Work In Restricted Working Space, Add</i>	19.24	
<i>For Installation Above 14', Add</i>	9.62	
26 05 33 13-0702 EA 3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	453.62	30.78
<i>For Work In Restricted Working Space, Add</i>	23.09	
<i>For Installation Above 14', Add</i>	11.54	
26 05 33 13-0703 EA 4" Intermediate Metal Conduit (IMC) Expansion Fitting	523.13	33.35
<i>For Work In Restricted Working Space, Add</i>	25.01	
<i>For Installation Above 14', Add</i>	12.50	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0704 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal <small>(26 05 33 13-0628)</small>		
EA 1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	52.35	16.03
For Work In Restricted Working Space, Add	9.62	
For Installation Above 14', Add	4.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.62	
EA 3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	62.30	19.24
For Work In Restricted Working Space, Add	11.54	
For Installation Above 14', Add	5.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.54	
EA 1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	75.50	22.45
For Work In Restricted Working Space, Add	13.47	
For Installation Above 14', Add	6.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.47	
EA 1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	88.48	25.65
For Work In Restricted Working Space, Add	15.39	
For Installation Above 14', Add	7.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.39	
EA 1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	113.68	28.86
For Work In Restricted Working Space, Add	17.32	
For Installation Above 14', Add	8.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.32	
EA 2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	136.62	32.07
For Work In Restricted Working Space, Add	19.24	
For Installation Above 14', Add	9.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.24	
EA 2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	189.60	38.48
For Work In Restricted Working Space, Add	23.09	
For Installation Above 14', Add	11.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.09	
EA 3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	227.38	44.89
For Work In Restricted Working Space, Add	26.93	
For Installation Above 14', Add	13.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.93	
EA 3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	499.46	51.31
For Work In Restricted Working Space, Add	30.78	
For Installation Above 14', Add	15.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.78	
EA 4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	574.74	57.72
For Work In Restricted Working Space, Add	34.63	
For Installation Above 14', Add	17.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.63	
26 05 33 13-0715 Intermediate Metal Conduit (IMC) Threaded Couplings <small>(26 05 33 13-0628)</small>		
EA 1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	8.38	3.08
For Work In Restricted Working Space, Add	2.31	
For Installation Above 14', Add	1.15	
EA 3/4" Intermediate Metal Conduit (IMC) Threaded Coupling	11.74	4.36
For Work In Restricted Working Space, Add	3.27	
For Installation Above 14', Add	1.64	
EA 1" Intermediate Metal Conduit (IMC) Threaded Coupling	15.35	5.65
For Work In Restricted Working Space, Add	4.23	
For Installation Above 14', Add	2.12	
EA 1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling	17.60	6.41
For Work In Restricted Working Space, Add	4.81	
For Installation Above 14', Add	2.41	
EA 1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	21.21	7.69
For Work In Restricted Working Space, Add	5.77	
For Installation Above 14', Add	2.88	
EA 2" Intermediate Metal Conduit (IMC) Threaded Coupling	24.42	8.73
For Work In Restricted Working Space, Add	6.55	
For Installation Above 14', Add	3.27	
EA 2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	30.12	9.75
For Work In Restricted Working Space, Add	7.31	
For Installation Above 14', Add	3.65	
EA 3" Intermediate Metal Conduit (IMC) Threaded Coupling	35.44	11.03
For Work In Restricted Working Space, Add	8.27	
For Installation Above 14', Add	4.14	
EA 3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	40.67	12.06
For Work In Restricted Working Space, Add	9.05	
For Installation Above 14', Add	4.52	
EA 4" Intermediate Metal Conduit (IMC) Threaded Coupling	42.67	12.83
For Work In Restricted Working Space, Add	9.62	
For Installation Above 14', Add	4.81	
26 05 33 13-0726 Intermediate Metal Conduit (IMC) Reducer Bushings <small>(26 05 33 13-0628)</small>		
EA 1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing	3.98	1.28
For Work In Restricted Working Space, Add	0.96	
For Installation Above 14', Add	0.48	
EA 3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing	4.43	1.28
For Work In Restricted Working Space, Add	0.96	
For Installation Above 14', Add	0.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0729 Explosion Proof Conduit Fittings <small>(26 05 33 13-0041)</small>		
<small>Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.</small>		
26 05 33 13-0730 Explosion Proof Malleable Iron Conduit Unions <small>(26 05 33 13-0729)</small>		
26 05 33 13-0731 EA 1/2" Explosion Proof Malleable Iron Conduit Union	27.70	5.34
26 05 33 13-0732 EA 3/4" Explosion Proof Malleable Iron Conduit Union	34.52	5.91
26 05 33 13-0733 EA 1" Explosion Proof Malleable Iron Conduit Union	55.54	7.88
26 05 33 13-0734 EA 1-1/4" Explosion Proof Malleable Iron Conduit Union	74.41	8.72
26 05 33 13-0735 EA 1-1/2" Explosion Proof Malleable Iron Conduit Union	93.79	10.68
26 05 33 13-0736 EA 2" Explosion Proof Malleable Iron Conduit Union	117.33	12.37
26 05 33 13-0737 EA 2-1/2" Explosion Proof Malleable Iron Conduit Union	179.15	17.68
26 05 33 13-0738 EA 3" Explosion Proof Malleable Iron Conduit Union	228.43	21.05
26 05 33 13-0739 EA 3-1/2" Explosion Proof Malleable Iron Conduit Union	388.86	25.26
26 05 33 13-0740 EA 4" Explosion Proof Malleable Iron Conduit Union	409.57	32.27
26 05 33 13-0741 Explosion Proof Malleable Iron Conduit Bodies <small>(26 05 33 13-0729)</small>		
26 05 33 13-0742 EA 1/2" Explosion Proof Malleable Iron Two Hub Conduit Body	99.20	16.87
26 05 33 13-0743 EA 3/4" Explosion Proof Malleable Iron Two Hub Conduit Body	111.75	19.12
26 05 33 13-0744 EA 1" Explosion Proof Malleable Iron Two Hub Conduit Body	131.58	21.09
26 05 33 13-0745 EA 1/2" Explosion Proof Malleable Iron Three Hub Conduit Body	110.82	21.09
26 05 33 13-0746 EA 3/4" Explosion Proof Malleable Iron Three Hub Conduit Body	131.93	25.31
26 05 33 13-0747 EA 1" Explosion Proof Malleable Iron Three Hub Conduit Body	156.67	28.95
26 05 33 13-0748 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <small>(26 05 33 13-0729)</small>		
<small>Note: Includes sealing gasket and lock nut.</small>		
26 05 33 13-0749 EA 1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	81.99	14.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.54	
26 05 33 13-0750 EA 3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	83.03	15.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.81	
26 05 33 13-0751 EA 1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	90.66	17.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 05 33 13-0752 EA 1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	117.04	21.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.81	
26 05 33 13-0753 EA 1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	150.60	24.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.55	
26 05 33 13-0754 EA 2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	195.57	28.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.08	
26 05 33 13-0755 EA 2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	277.28	42.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.57	
26 05 33 13-0756 EA 3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	350.69	52.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.56	
26 05 33 13-0757 EA 3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	504.32	58.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.56	
26 05 33 13-0758 EA 4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	657.24	63.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.35	
26 05 33 13-0759 Explosion Proof Flexible Conduit Couplings <small>(26 05 33 13-0729)</small>		
26 05 33 13-0760 EA 1/2" x 12" Explosion Proof Flexible Conduit Coupling	236.92	6.47
26 05 33 13-0761 EA 3/4" x 15" Explosion Proof Flexible Conduit Coupling	310.62	7.31
26 05 33 13-0762 Schedule 40 Polyvinyl Chloride (PVC) Conduit <small>(26 05 33 13-0041)</small>		
<small>Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.</small>		
26 05 33 13-0763 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <small>(26 05 33 13-0762)</small>		
<small>Note: Includes field bend conduit up to 1".</small>		
26 05 33 13-0764 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	2.64	0.99
For Schedule 60, Add	0.16	
For Schedule 80, Add	0.30	
26 05 33 13-0765 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	2.94	1.08
For Schedule 60, Add	0.19	
For Schedule 80, Add	0.35	
26 05 33 13-0766 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	3.50	1.26
For Schedule 60, Add	0.24	
For Schedule 80, Add	0.43	
26 05 33 13-0767 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	4.05	1.44
For Schedule 60, Add	0.29	
For Schedule 80, Add	0.51	
26 05 33 13-0768 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	4.74	1.68
For Schedule 60, Add	0.34	
For Schedule 80, Add	0.60	
26 05 33 13-0769 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	5.50	1.92
For Schedule 60, Add	0.41	
For Schedule 80, Add	0.72	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0770 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	6.81	2.28
For Schedule 60, Add	0.56	
For Schedule 80, Add	0.95	
26 05 33 13-0771 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	7.92	2.66
For Schedule 60, Add	0.66	
For Schedule 80, Add	1.12	
26 05 33 13-0772 LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	9.51	3.14
For Schedule 60, Add	0.81	
For Schedule 80, Add	1.37	
26 05 33 13-0773 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	11.47	3.86
For Schedule 60, Add	0.94	
For Schedule 80, Add	1.60	
26 05 33 13-0774 LF 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	16.21	5.42
For Schedule 60, Add	1.34	
For Schedule 80, Add	2.28	
26 05 33 13-0775 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	21.58	7.23
For Schedule 60, Add	1.78	
For Schedule 80, Add	3.03	
26 05 33 13-0776 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows <small>(26 05 33 13-0762)</small>		
See CSI section 26 05 33 13-1210 for conduit field bending.		
26 05 33 13-0777 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	12.57	4.82
See CSI section 26 05 33 13-1210 for conduit field bending.		
For Schedule 60, Add	0.73	
For Schedule 80, Add	1.39	
26 05 33 13-0778 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	13.85	5.30
See CSI section 26 05 33 13-1210 for conduit field bending.		
For Schedule 60, Add	0.81	
For Schedule 80, Add	1.53	
26 05 33 13-0779 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	16.01	6.02
See CSI section 26 05 33 13-1210 for conduit field bending.		
For Schedule 60, Add	0.99	
For Schedule 80, Add	1.84	
26 05 33 13-0780 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	20.66	7.72
See CSI section 26 05 33 13-1210 for conduit field bending.		
For Schedule 60, Add	1.31	
For Schedule 80, Add	2.41	
26 05 33 13-0781 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	25.96	9.64
See CSI section 26 05 33 13-1210 for conduit field bending.		
For Schedule 60, Add	1.67	
For Schedule 80, Add	3.06	
26 05 33 13-0782 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	32.61	12.05
See CSI section 26 05 33 13-1210 for conduit field bending.		
For Schedule 60, Add	2.13	
For Schedule 80, Add	3.88	
26 05 33 13-0783 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	40.81	14.46
See CSI section 26 05 33 13-1210 for conduit field bending.		
For Schedule 60, Add	2.97	
For Schedule 80, Add	5.25	
26 05 33 13-0784 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	50.02	16.87
See CSI section 26 05 33 13-1210 for conduit field bending.		
For Schedule 60, Add	4.07	
For Schedule 80, Add	6.96	
26 05 33 13-0785 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	62.24	20.48
See CSI section 26 05 33 13-1210 for conduit field bending.		
For Schedule 60, Add	5.32	
For Schedule 80, Add	8.98	
26 05 33 13-0786 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	74.45	24.10
See CSI section 26 05 33 13-1210 for conduit field bending.		
For Schedule 60, Add	6.56	
For Schedule 80, Add	11.00	
26 05 33 13-0787 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	99.86	30.12
See CSI section 26 05 33 13-1210 for conduit field bending.		
For Schedule 60, Add	9.90	
For Schedule 80, Add	16.12	
26 05 33 13-0788 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	121.71	36.15
See CSI section 26 05 33 13-1210 for conduit field bending.		
For Schedule 60, Add	12.35	
For Schedule 80, Add	20.00	
26 05 33 13-0789 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows <small>(26 05 33 13-0762)</small>		
See CSI section 26 05 33 13-1210 for conduit field bending.		
26 05 33 13-0790 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow	12.46	4.82
See CSI section 26 05 33 13-1210 for conduit field bending.		
For Schedule 60, Add	0.71	
For Schedule 80, Add	1.35	
26 05 33 13-0791 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow	13.81	5.30
See CSI section 26 05 33 13-1210 for conduit field bending.		
For Schedule 60, Add	0.80	
For Schedule 80, Add	1.52	
26 05 33 13-0792 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	15.95	6.02
See CSI section 26 05 33 13-1210 for conduit field bending.		
For Schedule 60, Add	0.98	
For Schedule 80, Add	1.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0793 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	20.49	7.72
See CSI section 26 05 33 13-1210 for conduit field bending.		
For Schedule 60, Add	1.27	
For Schedule 80, Add	2.35	
26 05 33 13-0794 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	25.59	9.64
See CSI section 26 05 33 13-1210 for conduit field bending.		
For Schedule 60, Add	1.58	
For Schedule 80, Add	2.93	
26 05 33 13-0795 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	32.41	12.05
See CSI section 26 05 33 13-1210 for conduit field bending.		
For Schedule 60, Add	2.08	
For Schedule 80, Add	3.81	
26 05 33 13-0796 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	40.44	14.46
See CSI section 26 05 33 13-1210 for conduit field bending.		
For Schedule 60, Add	2.88	
For Schedule 80, Add	5.12	
26 05 33 13-0797 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	49.55	16.87
See CSI section 26 05 33 13-1210 for conduit field bending.		
For Schedule 60, Add	3.95	
For Schedule 80, Add	6.80	
26 05 33 13-0798 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	60.92	20.48
See CSI section 26 05 33 13-1210 for conduit field bending.		
For Schedule 60, Add	4.99	
For Schedule 80, Add	8.52	
26 05 33 13-0799 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	73.31	24.10
See CSI section 26 05 33 13-1210 for conduit field bending.		
For Schedule 60, Add	6.28	
For Schedule 80, Add	10.60	
26 05 33 13-0800 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	98.39	30.12
See CSI section 26 05 33 13-1210 for conduit field bending.		
For Schedule 60, Add	9.53	
For Schedule 80, Add	15.61	
26 05 33 13-0801 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	117.32	36.15
See CSI section 26 05 33 13-1210 for conduit field bending.		
For Schedule 60, Add	11.25	
For Schedule 80, Add	18.47	
26 05 33 13-0802 Polyvinyl Chloride (PVC) Conduit Adapters (26 05 33 13-0762)		
26 05 33 13-0803 EA 1/2" Polyvinyl Chloride (PVC) Conduit Adapter	8.68	3.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.53	
26 05 33 13-0804 EA 3/4" Polyvinyl Chloride (PVC) Conduit Adapter	9.95	3.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.89	
26 05 33 13-0805 EA 1" Polyvinyl Chloride (PVC) Conduit Adapter	11.27	4.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.25	
26 05 33 13-0806 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Adapter	12.64	4.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.62	
26 05 33 13-0807 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Adapter	15.68	6.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.52	
26 05 33 13-0808 EA 2" Polyvinyl Chloride (PVC) Conduit Adapter	18.92	7.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.42	
26 05 33 13-0809 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Adapter	25.80	9.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.23	
26 05 33 13-0810 EA 3" Polyvinyl Chloride (PVC) Conduit Adapter	32.49	12.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.04	
26 05 33 13-0811 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Adapter	42.19	15.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.75	
26 05 33 13-0812 EA 4" Polyvinyl Chloride (PVC) Conduit Adapter	51.31	19.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.46	
26 05 33 13-0813 EA 5" Polyvinyl Chloride (PVC) Conduit Adapter	66.37	24.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.08	
26 05 33 13-0814 EA 6" Polyvinyl Chloride (PVC) Conduit Adapter	82.67	30.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.60	
26 05 33 13-0815 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug (26 05 33 13-0762)		
26 05 33 13-0816 EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	9.32	2.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.17	
26 05 33 13-0817 EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	10.64	3.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.53	
26 05 33 13-0818 EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	11.98	3.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.89	
26 05 33 13-0819 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	14.05	4.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.25	
26 05 33 13-0820 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	15.61	4.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.62	
26 05 33 13-0821 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	18.44	5.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.16	
26 05 33 13-0822 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	20.67	6.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.70	
26 05 33 13-0823 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	23.50	7.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.42	
26 05 33 13-0824 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug.....	27.74	8.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.32	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0825 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	30.76	9.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.23	
26 05 33 13-0826 EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	37.05	10.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.14	
26 05 33 13-0827 EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	41.33	12.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.04	
26 05 33 13-0828 Polyvinyl Chloride (PVC) Conduit Terminal Adapters (26 05 33 13-0762)		
26 05 33 13-0829 EA 1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter	9.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.78	
26 05 33 13-0830 EA 3/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter	11.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.33	
26 05 33 13-0831 EA 1" Polyvinyl Chloride (PVC) Conduit Terminal Adapter	12.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.70	
26 05 33 13-0832 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter	14.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.12	
26 05 33 13-0833 Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover (26 05 33 13-0762)		
26 05 33 13-0834 EA 1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	26.50	9.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.23	
26 05 33 13-0835 EA 3/4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	30.49	10.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.14	
26 05 33 13-0836 EA 1" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	33.83	12.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.04	
26 05 33 13-0837 EA 1-1/4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	41.46	14.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.85	
26 05 33 13-0838 EA 1-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	51.37	18.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.56	
26 05 33 13-0839 EA 2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	65.19	21.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.27	
26 05 33 13-0840 EA 2-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	102.44	24.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.08	
26 05 33 13-0841 EA 3" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	109.89	26.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.88	
26 05 33 13-0842 EA 3-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	120.32	30.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.60	
26 05 33 13-0843 EA 4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	135.19	34.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.21	
26 05 33 13-0844 Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover (26 05 33 13-0762)		
26 05 33 13-0845 EA 1/2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	35.25	12.83
For Schedule 60, Add	2.40	
For Schedule 80, Add	4.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.62	
26 05 33 13-0846 EA 3/4" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	39.22	14.11
For Schedule 60, Add	2.75	
For Schedule 80, Add	4.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.58	
26 05 33 13-0847 EA 1" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	42.47	15.39
For Schedule 60, Add	2.92	
For Schedule 80, Add	5.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.54	
26 05 33 13-0848 EA 1-1/4" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	52.18	17.95
For Schedule 60, Add	4.07	
For Schedule 80, Add	7.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.47	
26 05 33 13-0849 EA 1-1/2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	63.07	21.81
For Schedule 60, Add	4.87	
For Schedule 80, Add	8.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.35	
26 05 33 13-0850 EA 2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	76.53	25.65
For Schedule 60, Add	6.31	
For Schedule 80, Add	10.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.24	
26 05 33 13-0851 Polyvinyl Chloride (PVC) Conduit Expansion Joint (26 05 33 13-0762)		
26 05 33 13-0852 EA 1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	50.99	12.05
26 05 33 13-0853 EA 3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	57.51	14.46
26 05 33 13-0854 EA 1" Polyvinyl Chloride (PVC) Conduit Expansion Joint	64.35	16.87
26 05 33 13-0855 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	70.86	19.28
26 05 33 13-0856 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	77.23	21.69
26 05 33 13-0857 EA 2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	84.48	24.10
26 05 33 13-0858 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	102.14	27.72
26 05 33 13-0859 EA 3" Polyvinyl Chloride (PVC) Conduit Expansion Joint	121.03	31.33
26 05 33 13-0860 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	141.29	36.15
26 05 33 13-0861 EA 4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	167.46	42.18
26 05 33 13-0862 EA 5" Polyvinyl Chloride (PVC) Conduit Expansion Joint	216.86	50.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0863 EA 6" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	284.22	65.07
26 05 33 13-0864 Polyvinyl Chloride (PVC) Conduit End Caps <small>(26 05 33 13-0762)</small>		
26 05 33 13-0865 EA 1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	7.09	2.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1.81</i>	
26 05 33 13-0866 EA 3/4" Polyvinyl Chloride (PVC) Conduit End Cap.....	8.41	2.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2.17</i>	
26 05 33 13-0867 EA 1" Polyvinyl Chloride (PVC) Conduit End Cap.....	9.70	3.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2.53</i>	
26 05 33 13-0868 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap.....	11.46	3.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2.89</i>	
26 05 33 13-0869 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	13.23	4.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>3.25</i>	
26 05 33 13-0870 EA 2" Polyvinyl Chloride (PVC) Conduit End Cap.....	15.34	4.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>3.62</i>	
26 05 33 13-0871 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	21.04	5.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.16</i>	
26 05 33 13-0872 EA 3" Polyvinyl Chloride (PVC) Conduit End Cap.....	23.16	6.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.70</i>	
26 05 33 13-0873 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	28.94	6.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>5.24</i>	
26 05 33 13-0874 EA 4" Polyvinyl Chloride (PVC) Conduit End Cap.....	34.31	7.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>5.60</i>	
26 05 33 13-0875 EA 5" Polyvinyl Chloride (PVC) Conduit End Cap.....	39.22	8.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>6.32</i>	
26 05 33 13-0876 EA 6" Polyvinyl Chloride (PVC) Conduit End Cap.....	48.92	9.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>7.23</i>	
26 05 33 13-0877 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) <small>(26 05 33 13-0762)</small>		
26 05 33 13-0878 EA 2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200).....	72.57	21.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>16.27</i>	
26 05 33 13-0879 EA 3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121).....	74.09	14.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>10.85</i>	
26 05 33 13-0880 EA 1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251).....	176.59	24.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>18.08</i>	
26 05 33 13-0881 EA 3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401).....	340.66	34.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>26.21</i>	
26 05 33 13-0882 Conduit Installed Below Grade <small>(26 05 33 13-0040)</small>		
<i>Note: By direct burial In trench or in concrete slabs or duct banks. Excludes trenching, backfilling and concrete.</i>		
26 05 33 13-0883 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial <small>(26 05 33 13-0882)</small>		
26 05 33 13-0884 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <small>(26 05 33 13-0883)</small>		
<i>Note: Includes field bend conduit up to 1".</i>		
26 05 33 13-0885 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial.....	2.11	
<i>For Schedule 60, Add</i>	<i>0.14</i>	
<i>For Schedule 80, Add</i>	<i>0.25</i>	
26 05 33 13-0886 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial.....	2.32	
<i>For Schedule 60, Add</i>	<i>0.16</i>	
<i>For Schedule 80, Add</i>	<i>0.29</i>	
26 05 33 13-0887 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial.....	2.58	
<i>For Schedule 60, Add</i>	<i>0.20</i>	
<i>For Schedule 80, Add</i>	<i>0.34</i>	
26 05 33 13-0888 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial.....	2.84	
<i>For Schedule 60, Add</i>	<i>0.23</i>	
<i>For Schedule 80, Add</i>	<i>0.39</i>	
26 05 33 13-0889 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial.....	3.09	
<i>For Schedule 60, Add</i>	<i>0.26</i>	
<i>For Schedule 80, Add</i>	<i>0.44</i>	
26 05 33 13-0890 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial.....	3.40	
<i>For Schedule 60, Add</i>	<i>0.31</i>	
<i>For Schedule 80, Add</i>	<i>0.51</i>	
26 05 33 13-0891 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial.....	3.96	
<i>For Schedule 60, Add</i>	<i>0.42</i>	
<i>For Schedule 80, Add</i>	<i>0.67</i>	
26 05 33 13-0892 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial.....	4.32	
<i>For Schedule 60, Add</i>	<i>0.48</i>	
<i>For Schedule 80, Add</i>	<i>0.76</i>	
26 05 33 13-0893 LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial.....	4.84	
<i>For Schedule 60, Add</i>	<i>0.58</i>	
<i>For Schedule 80, Add</i>	<i>0.90</i>	
26 05 33 13-0894 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial.....	5.15	
<i>For Schedule 60, Add</i>	<i>0.62</i>	
<i>For Schedule 80, Add</i>	<i>0.97</i>	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0895		Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial	
		<small>(26 05 33 13-0893)</small>	
		See CSI section 26 05 33 13-1210 for conduit field bending.	
26 05 33 13-0896	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	15.58	
	<i>For Schedule 60, Add</i>	0.88	
	<i>For Schedule 80, Add</i>	1.69	
26 05 33 13-0897	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	18.67	
	<i>For Schedule 60, Add</i>	1.05	
	<i>For Schedule 80, Add</i>	2.01	
26 05 33 13-0898	EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	22.03	
	<i>For Schedule 60, Add</i>	1.29	
	<i>For Schedule 80, Add</i>	2.44	
26 05 33 13-0899	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	25.48	
	<i>For Schedule 60, Add</i>	1.55	
	<i>For Schedule 80, Add</i>	2.89	
26 05 33 13-0900	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	28.98	
	<i>For Schedule 60, Add</i>	1.82	
	<i>For Schedule 80, Add</i>	3.36	
26 05 33 13-0901	EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	32.61	
	<i>For Schedule 60, Add</i>	2.13	
	<i>For Schedule 80, Add</i>	3.88	
26 05 33 13-0902	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	37.80	
	<i>For Schedule 60, Add</i>	2.82	
	<i>For Schedule 80, Add</i>	4.95	
26 05 33 13-0903	EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	43.99	
	<i>For Schedule 60, Add</i>	3.77	
	<i>For Schedule 80, Add</i>	6.36	
26 05 33 13-0904	EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	53.20	
	<i>For Schedule 60, Add</i>	4.86	
	<i>For Schedule 80, Add</i>	8.08	
26 05 33 13-0905	EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	62.40	
	<i>For Schedule 60, Add</i>	5.96	
	<i>For Schedule 80, Add</i>	9.79	
26 05 33 13-0906		Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial	
		<small>(26 05 33 13-0893)</small>	
		See CSI section 26 05 33 13-1210 for conduit field bending.	
26 05 33 13-0907	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	15.47	
	<i>For Schedule 60, Add</i>	0.86	
	<i>For Schedule 80, Add</i>	1.65	
26 05 33 13-0908	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	18.63	
	<i>For Schedule 60, Add</i>	1.04	
	<i>For Schedule 80, Add</i>	2.00	
26 05 33 13-0909	EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	21.97	
	<i>For Schedule 60, Add</i>	1.28	
	<i>For Schedule 80, Add</i>	2.42	
26 05 33 13-0910	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	25.31	
	<i>For Schedule 60, Add</i>	1.51	
	<i>For Schedule 80, Add</i>	2.83	
26 05 33 13-0911	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	28.61	
	<i>For Schedule 60, Add</i>	1.73	
	<i>For Schedule 80, Add</i>	3.23	
26 05 33 13-0912	EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	32.41	
	<i>For Schedule 60, Add</i>	2.08	
	<i>For Schedule 80, Add</i>	3.81	
26 05 33 13-0913	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	37.43	
	<i>For Schedule 60, Add</i>	2.73	
	<i>For Schedule 80, Add</i>	4.82	
26 05 33 13-0914	EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	43.52	
	<i>For Schedule 60, Add</i>	3.65	
	<i>For Schedule 80, Add</i>	6.19	
26 05 33 13-0915	EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	51.88	
	<i>For Schedule 60, Add</i>	4.53	
	<i>For Schedule 80, Add</i>	7.61	
26 05 33 13-0916	EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	61.26	
	<i>For Schedule 60, Add</i>	5.68	
	<i>For Schedule 80, Add</i>	9.39	
26 05 33 13-0917	EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	77.30	
	<i>For Schedule 60, Add</i>	8.48	
	<i>For Schedule 80, Add</i>	13.50	
26 05 33 13-0918	EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	87.19	
	<i>For Schedule 60, Add</i>	9.75	
	<i>For Schedule 80, Add</i>	15.45	
26 05 33 13-0919		Polyvinyl Chloride (PVC) Conduit Adapters, Direct Burial	
		<small>(26 05 33 13-0893)</small>	
26 05 33 13-0920	EA 1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	8.68	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.53	
26 05 33 13-0921	EA 3/4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	9.95	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0922 EA 1" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.27 3.25	
26 05 33 13-0923 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.64 3.62	
26 05 33 13-0924 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.88 3.98	
26 05 33 13-0925 EA 2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.30 4.34	
26 05 33 13-0926 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.96 4.88	
26 05 33 13-0927 EA 3" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.45 5.42	
26 05 33 13-0928 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.11 6.32	
26 05 33 13-0929 EA 4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.21 7.23	
26 05 33 13-0930 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial <small>(26 05 33 13-0883)</small>		
26 05 33 13-0931 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	15.26	
26 05 33 13-0932 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	16.82	
26 05 33 13-0933 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	19.04	
26 05 33 13-0934 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	21.27	
26 05 33 13-0935 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	23.50	
26 05 33 13-0936 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	27.74	
26 05 33 13-0937 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	30.76	
26 05 33 13-0938 Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial <small>(26 05 33 13-0883)</small>		
26 05 33 13-0939 EA 1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial.....	8.63	
26 05 33 13-0940 EA 3/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial.....	9.95	
26 05 33 13-0941 EA 1" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial.....	11.21	
26 05 33 13-0942 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial.....	12.54	
26 05 33 13-0943 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	13.79	
26 05 33 13-0944 EA 2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	15.18	
26 05 33 13-0945 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	17.71	
26 05 33 13-0946 EA 3" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	20.10	
26 05 33 13-0947 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	23.66	
26 05 33 13-0948 EA 4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	26.75	
26 05 33 13-0949 EA 5" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	32.34	
26 05 33 13-0950 EA 6" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	36.38	
26 05 33 13-0951 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-0882)</small>		
Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).		
26 05 33 13-0952 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-0951)</small>		
Note: Includes field bending for conduit up to 1".		
26 05 33 13-0953 LF 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	8.84	1.34
<i>For >250 To 500, Deduct</i>		
	-0.35	
<i>For >500 To 1,000, Deduct</i>		
	-0.57	
<i>For >1,000, Deduct</i>		
	-0.80	
26 05 33 13-0954 LF 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	10.00	1.67
<i>For >250 To 500, Deduct</i>		
	-0.40	
<i>For >500 To 1,000, Deduct</i>		
	-0.65	
<i>For >1,000, Deduct</i>		
	-0.90	
26 05 33 13-0955 LF 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	12.46	1.86
<i>For >250 To 500, Deduct</i>		
	-0.51	
<i>For >500 To 1,000, Deduct</i>		
	-0.82	
<i>For >1,000, Deduct</i>		
	-1.13	
26 05 33 13-0956 LF 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	15.24	2.50
<i>For >250 To 500, Deduct</i>		
	-0.63	
<i>For >500 To 1,000, Deduct</i>		
	-1.01	
<i>For >1,000, Deduct</i>		
	-1.40	
26 05 33 13-0957 LF 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	18.06	2.82
<i>For >250 To 500, Deduct</i>		
	-0.76	
<i>For >500 To 1,000, Deduct</i>		
	-1.21	
<i>For >1,000, Deduct</i>		
	-1.66	
26 05 33 13-0958 LF 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	23.06	3.08
<i>For >250 To 500, Deduct</i>		
	-0.98	
<i>For >500 To 1,000, Deduct</i>		
	-1.55	
<i>For >1,000, Deduct</i>		
	-2.13	
26 05 33 13-0959 LF 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	33.90	4.61
<i>For >250 To 500, Deduct</i>		
	-1.45	
<i>For >500 To 1,000, Deduct</i>		
	-2.30	
<i>For >1,000, Deduct</i>		
	-3.15	
26 05 33 13-0960 LF 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	43.44	5.77
<i>For >250 To 500, Deduct</i>		
	-1.85	
<i>For >500 To 1,000, Deduct</i>		
	-2.94	
<i>For >1,000, Deduct</i>		
	-4.02	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0961 LF 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	53.48	6.09
For >250 To 500, Deduct	-2.27	
For >500 To 1,000, Deduct	-3.61	
For >1,000, Deduct	-4.95	
26 05 33 13-0962 LF 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	63.39	6.73
For >250 To 500, Deduct	-2.69	
For >500 To 1,000, Deduct	-4.27	
For >1,000, Deduct	-5.86	
26 05 33 13-0963 LF 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	102.60	9.30
For >250 To 500, Deduct	-4.52	
For >500 To 1,000, Deduct	-7.09	
For >1,000, Deduct	-9.65	
26 05 33 13-0964 LF 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	137.99	12.19
For >250 To 500, Deduct	-6.13	
For >500 To 1,000, Deduct	-9.58	
For >1,000, Deduct	-13.03	
26 05 33 13-0965 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial <small>(26 05 33 13-0961)</small>		
26 05 33 13-0966 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	9.46	1.93
26 05 33 13-0967 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	11.01	2.57
26 05 33 13-0968 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	14.04	3.21
26 05 33 13-0969 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	15.95	3.53
26 05 33 13-0970 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	18.92	4.17
26 05 33 13-0971 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	25.11	4.81
26 05 33 13-0972 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	49.88	5.77
26 05 33 13-0973 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	62.59	8.01
26 05 33 13-0974 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	78.33	9.30
26 05 33 13-0975 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	95.49	12.83
26 05 33 13-0976 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	262.83	17.63
26 05 33 13-0977 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	274.07	9.94
26 05 33 13-0978 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial <small>(26 05 33 13-0961)</small>		
Note: 90, 45, or 30 degree.		
26 05 33 13-0979 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	35.70	8.01
26 05 33 13-0980 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	40.30	9.94
26 05 33 13-0981 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	47.77	12.19
26 05 33 13-0982 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	56.99	14.11
26 05 33 13-0983 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	67.43	16.03
26 05 33 13-0984 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	84.62	17.63
26 05 33 13-0985 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	137.21	22.13
26 05 33 13-0986 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	208.85	30.14
26 05 33 13-0987 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	262.92	33.99
26 05 33 13-0988 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	294.57	44.24
26 05 33 13-0989 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	640.88	72.15
26 05 33 13-0990 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	1,014.98	108.38
26 05 33 13-0991 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial <small>(26 05 33 13-0961)</small>		
26 05 33 13-0992 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	94.12	12.19
26 05 33 13-0993 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	105.39	14.11
26 05 33 13-0994 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	120.41	16.03
26 05 33 13-0995 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	145.75	17.63
26 05 33 13-0996 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	206.41	22.13
26 05 33 13-0997 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial <small>(26 05 33 13-0961)</small>		
26 05 33 13-0998 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	106.66	12.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0999 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	126.10	14.11
26 05 33 13-1000 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	135.26	16.03
26 05 33 13-1001 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	178.14	17.63
26 05 33 13-1002 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	237.64	22.13
26 05 33 13-1003 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	301.46	30.14
26 05 33 13-1004 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial <small>(26 05 33 13-0951)</small>		
26 05 33 13-1005 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	121.65	12.19
26 05 33 13-1006 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	136.89	14.11
26 05 33 13-1007 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	154.32	16.03
26 05 33 13-1008 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	188.88	17.63
26 05 33 13-1009 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	273.52	22.13
26 05 33 13-1010 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	343.58	30.14
26 05 33 13-1011 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	439.35	33.99
26 05 33 13-1012 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	486.78	44.24
26 05 33 13-1013 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial <small>(26 05 33 13-0951)</small>		
26 05 33 13-1014 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	147.54	12.19
26 05 33 13-1015 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	162.21	14.11
26 05 33 13-1016 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	183.07	16.03
26 05 33 13-1017 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	230.28	17.63
26 05 33 13-1018 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	337.74	22.13
26 05 33 13-1019 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	414.96	30.14
26 05 33 13-1020 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	482.93	33.99
26 05 33 13-1021 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	566.79	44.24
26 05 33 13-1022 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial <small>(26 05 33 13-0951)</small>		
26 05 33 13-1023 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	167.69	12.19
26 05 33 13-1024 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	185.78	14.11
26 05 33 13-1025 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	211.36	16.03
26 05 33 13-1026 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	266.32	17.63
26 05 33 13-1027 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	372.78	22.13
26 05 33 13-1028 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	472.05	30.14
26 05 33 13-1029 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	588.90	33.99
26 05 33 13-1030 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	640.23	44.24
26 05 33 13-1031 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	1,069.64	72.15
26 05 33 13-1032 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial <small>(26 05 33 13-0951)</small>		
26 05 33 13-1033 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	194.02	12.19
26 05 33 13-1034 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	214.26	14.11
26 05 33 13-1035 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	242.38	16.03

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1036 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	306.29	17.63
26 05 33 13-1037 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	431.17	22.13
26 05 33 13-1038 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	544.79	30.14
26 05 33 13-1039 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	641.99	33.99
26 05 33 13-1040 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	735.04	44.24
26 05 33 13-1041 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,136.09	72.15
26 05 33 13-1042 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,540.03	108.38
26 05 33 13-1043 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial <small>(26 05 33 13-0951)</small>		
26 05 33 13-1044 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	230.71	12.19
26 05 33 13-1045 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	239.65	14.11
26 05 33 13-1046 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	283.90	16.03
26 05 33 13-1047 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	361.93	17.63
26 05 33 13-1048 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	509.91	22.13
26 05 33 13-1049 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	642.85	30.14
26 05 33 13-1050 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	789.60	33.99
26 05 33 13-1051 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	919.49	44.24
26 05 33 13-1052 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,352.83	72.15
26 05 33 13-1053 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,639.52	108.38
26 05 33 13-1054 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial <small>(26 05 33 13-0951)</small>		
26 05 33 13-1055 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	239.54	12.19
26 05 33 13-1056 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	282.59	14.11
26 05 33 13-1057 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	319.80	16.03
26 05 33 13-1058 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	378.66	17.63
26 05 33 13-1059 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	529.58	22.13
26 05 33 13-1060 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	673.01	30.14
26 05 33 13-1061 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	870.00	33.99
26 05 33 13-1062 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	961.32	44.24
26 05 33 13-1063 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,411.06	72.15
26 05 33 13-1064 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,690.07	108.38
26 05 33 13-1065 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial <small>(26 05 33 13-0951)</small>		
26 05 33 13-1066 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	74.64	8.01
26 05 33 13-1067 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	79.56	9.94
26 05 33 13-1068 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	104.37	12.19
26 05 33 13-1069 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	156.98	14.11
26 05 33 13-1070 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	187.38	16.03
26 05 33 13-1071 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	242.25	17.63
26 05 33 13-1072 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	324.45	22.13
26 05 33 13-1073 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	430.55	22.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1074 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	547.18	33.99
26 05 33 13-1075 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	703.80	44.24
26 05 33 13-1076 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,294.35	72.15
26 05 33 13-1077 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,586.47	108.38
26 05 33 13-1078 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial (26 05 33 13-0951)		
26 05 33 13-1079 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	76.62	8.01
26 05 33 13-1080 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	87.10	9.94
26 05 33 13-1081 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	108.39	12.19
26 05 33 13-1082 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	164.36	14.11
26 05 33 13-1083 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	197.62	16.03
26 05 33 13-1084 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	264.37	17.63
26 05 33 13-1085 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	371.78	22.13
26 05 33 13-1086 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	478.68	22.13
26 05 33 13-1087 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	634.18	33.99
26 05 33 13-1088 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	790.48	44.24
26 05 33 13-1089 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	1,453.25	72.15
26 05 33 13-1090 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	1,843.05	108.38
26 05 33 13-1091 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial (26 05 33 13-0951)		
26 05 33 13-1092 EA 1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	24.31	3.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.31	
26 05 33 13-1093 EA 3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	26.56	4.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.89	
26 05 33 13-1094 EA 1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	30.06	6.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.66	
26 05 33 13-1095 EA 1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	36.09	7.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.23	
26 05 33 13-1096 EA 1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	38.73	8.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.81	
26 05 33 13-1097 EA 1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	27.10	4.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.50	
26 05 33 13-1098 EA 3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	28.83	4.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.89	
26 05 33 13-1099 EA 1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	32.36	6.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.66	
26 05 33 13-1100 EA 1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	38.52	7.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.23	
26 05 33 13-1101 EA 1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	41.35	8.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.81	
26 05 33 13-1102 EA 2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	44.41	8.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.39	
26 05 33 13-1103 EA 1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	27.26	4.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.50	
26 05 33 13-1104 EA 3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	28.99	4.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.89	
26 05 33 13-1105 EA 1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	32.65	6.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.66	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1106	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.83	7.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.23	
26 05 33 13-1107	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.67	8.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.81	
26 05 33 13-1108	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.22	8.98
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.39	
26 05 33 13-1109	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.41	4.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.50	
26 05 33 13-1110	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.15	4.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.89	
26 05 33 13-1111	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.97	6.09
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.66	
26 05 33 13-1112	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.15	7.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.23	
26 05 33 13-1113	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.12	8.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.81	
26 05 33 13-1114	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.77	8.98
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.39	
26 05 33 13-1115	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	69.14	10.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33 13-1116	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	88.05	15.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.04	
26 05 33 13-1117	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.57	4.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.50	
26 05 33 13-1118	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.44	4.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.89	
26 05 33 13-1119	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.29	6.09
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.66	
26 05 33 13-1120	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.47	7.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.23	
26 05 33 13-1121	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.58	8.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.81	
26 05 33 13-1122	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.31	8.98
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.39	
26 05 33 13-1123	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	71.39	10.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33 13-1124	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	92.89	15.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.04	
26 05 33 13-1125	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	112.24	16.99
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.19	
26 05 33 13-1126	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	127.97	22.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.27	
26 05 33 13-1127	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.87	4.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.50	
26 05 33 13-1128	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.76	4.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.89	
26 05 33 13-1129	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.63	6.09
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.66	
26 05 33 13-1130	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.08	7.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.23	
26 05 33 13-1131	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.21	8.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.81	
26 05 33 13-1132	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.70	8.98
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.39	
26 05 33 13-1133	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	80.33	10.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1134 EA 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	100.13	15.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.04	
26 05 33 13-1135 EA 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	113.78	16.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.19	
26 05 33 13-1136 EA 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	132.10	22.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.27	
26 05 33 13-1137 EA 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	197.58	30.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.27	
26 05 33 13-1138 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	30.44	4.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.50	
26 05 33 13-1139 EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	32.33	4.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.89	
26 05 33 13-1140 EA 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	36.24	6.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.66	
26 05 33 13-1141 EA 1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	43.21	7.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.23	
26 05 33 13-1142 EA 1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	46.57	8.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.81	
26 05 33 13-1143 EA 2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	53.08	8.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.39	
26 05 33 13-1144 EA 2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	89.42	10.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.54	
26 05 33 13-1145 EA 3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	109.76	15.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.04	
26 05 33 13-1146 EA 3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	122.46	16.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.19	
26 05 33 13-1147 EA 4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	146.73	22.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.27	
26 05 33 13-1148 EA 5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	219.45	30.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.27	
26 05 33 13-1149 EA 1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	31.32	4.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.50	
26 05 33 13-1150 EA 3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	33.19	4.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.89	
26 05 33 13-1151 EA 1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	37.60	6.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.66	
26 05 33 13-1152 EA 1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	43.51	7.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.23	
26 05 33 13-1153 EA 1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	49.35	8.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.81	
26 05 33 13-1154 EA 2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	59.85	8.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.39	
26 05 33 13-1155 EA 2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	100.59	10.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.54	
26 05 33 13-1156 EA 3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	122.93	15.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.04	
26 05 33 13-1157 EA 3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	144.17	16.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.19	
26 05 33 13-1158 EA 4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	168.69	22.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.27	
26 05 33 13-1159 EA 5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	234.43	30.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.27	
26 05 33 13-1160 EA 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	32.25	4.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.50	
26 05 33 13-1161 EA 3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	34.10	4.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.89	

26 Electrical
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1162 EA 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.94	6.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.66	
26 05 33 13-1163 EA 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.60	7.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.23	
26 05 33 13-1164 EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.93	8.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.81	
26 05 33 13-1165 EA 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	69.80	8.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.39	
26 05 33 13-1166 EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	112.40	10.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.54	
26 05 33 13-1167 EA 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	139.80	15.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.04	
26 05 33 13-1168 EA 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	166.97	16.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.19	
26 05 33 13-1169 EA 4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	207.11	22.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.27	
26 05 33 13-1170 EA 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	264.34	30.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.27	
26 05 33 13-1171 EA 1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.21	4.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.50	
26 05 33 13-1172 EA 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.17	4.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.89	
26 05 33 13-1173 EA 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.35	6.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.66	
26 05 33 13-1174 EA 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.32	7.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.23	
26 05 33 13-1175 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	63.90	8.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.81	
26 05 33 13-1176 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	77.79	8.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.39	
26 05 33 13-1177 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	128.16	10.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.54	
26 05 33 13-1178 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	165.10	15.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.04	
26 05 33 13-1179 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	180.96	16.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.19	
26 05 33 13-1180 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	218.90	22.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.27	
26 05 33 13-1181 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	268.61	30.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.27	
26 05 33 13-1182 Spacers <small>(26 05 33 13-0882)</small> Note: For concrete encasement applications. See CSI section 03 31 13 00-0039 for concrete., 26 05 33 13-0882 for conduit.		
26 05 33 13-1183 EA 1" Base Spacers, Average 4" Wide, Direct Burial	6.23	
26 05 33 13-1184 EA 1" Intermediate Spacers, Average 4" Wide, Direct Burial	6.71	
26 05 33 13-1185 EA 1-1/4" Base Spacer, Average 4" Wide, Direct Burial	7.43	
26 05 33 13-1186 EA 1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	8.02	
26 05 33 13-1187 EA 1-1/2" Base Spacer, Average 4" Wide, Direct Burial	7.49	
26 05 33 13-1188 EA 1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	8.06	
26 05 33 13-1189 EA 2" Base Spacer, Average 4" Wide, Direct Burial	9.34	
26 05 33 13-1190 EA 2" Intermediate Spacers, Average 4" Wide, Direct Burial	8.67	
26 05 33 13-1191 EA 2-1/2" Base Spacer, Average 4" Wide, Direct Burial	10.33	
26 05 33 13-1192 EA 2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	9.98	
26 05 33 13-1193 EA 3" Base Spacer, Average 4" Wide, Direct Burial	11.83	
26 05 33 13-1194 EA 3" Intermediate Spacers, Average 4" Wide, Direct Burial	11.28	
26 05 33 13-1195 EA 3-1/2" Base Spacer, Average 4" Wide, Direct Burial	12.81	
26 05 33 13-1196 EA 3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	12.24	
26 05 33 13-1197 EA 4" Base Spacer, Average 4" Wide, Direct Burial	13.20	
26 05 33 13-1198 EA 4" Intermediate Spacers, Average 4" Wide, Direct Burial	12.58	

26 05 33 13-1199 Conduit Field Bending (26 05 33 13-0040)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1200				Metallic Conduit Field Bending <small>(26 05 33 13-1199)</small> Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), Intermediate Metal Conduit (IMC) and aluminum conduits.		
26 05 33 13-1201	EA			1-1/4" Metallic Conduit Field Bending.....	10.89	
26 05 33 13-1202	EA			1-1/2" Metallic Conduit Field Bending.....	14.52	
26 05 33 13-1203	EA			2" Metallic Conduit Field Bending.....	18.15	
26 05 33 13-1204	EA			2-1/2" Metallic Conduit Field Bending.....	25.41	
26 05 33 13-1205	EA			3" Metallic Conduit Field Bending.....	32.67	
26 05 33 13-1206	EA			3-1/2" Metallic Conduit Field Bending.....	39.93	
26 05 33 13-1207	EA			4" Metallic Conduit Field Bending.....	47.19	
26 05 33 13-1208	EA			5" Metallic Conduit Field Bending.....	58.08	
26 05 33 13-1209	EA			6" Metallic Conduit Field Bending.....	68.97	
26 05 33 13-1210				Plastic Conduit Field Bending <small>(26 05 33 13-1199)</small> Note: For PVC conduits.		
26 05 33 13-1211	EA			1" Plastic Conduit Field Bending.....	16.70	
26 05 33 13-1212	EA			1-1/4" Plastic Conduit Field Bending.....	18.15	
26 05 33 13-1213	EA			1-1/2" Plastic Conduit Field Bending.....	21.78	
26 05 33 13-1214	EA			2" Plastic Conduit Field Bending.....	29.04	
26 05 33 13-1215	EA			2-1/2" Plastic Conduit Field Bending.....	36.30	
26 05 33 13-1216	EA			3" Plastic Conduit Field Bending.....	43.56	
26 05 33 13-1217	EA			3-1/2" Plastic Conduit Field Bending.....	50.82	
26 05 33 13-1218	EA			4" Plastic Conduit Field Bending.....	58.08	
26 05 33 13-1219	EA			5" Plastic Conduit Field Bending.....	65.34	
26 05 33 13-1220	EA			6" Plastic Conduit Field Bending.....	72.60	
26 05 33 13-1221				Cut And Thread Existing In-Place Threaded Conduit <small>(26 05 33 13-0040)</small> Note: For use when connecting conduit to an existing in-place system.		
26 05 33 13-1222	EA			1/2", Cut And Thread Existing In-Place Threaded Conduit.....	21.09	
				<i>For Work In Restricted Working Space, Add</i>	6.33	
26 05 33 13-1223	EA			3/4", Cut And Thread Existing In-Place Threaded Conduit.....	23.20	
				<i>For Work In Restricted Working Space, Add</i>	6.96	
26 05 33 13-1224	EA			1", Cut And Thread Existing In-Place Threaded Conduit.....	25.31	
				<i>For Work In Restricted Working Space, Add</i>	7.59	
26 05 33 13-1225	EA			1-1/4", Cut And Thread Existing In-Place Threaded Conduit.....	27.41	
				<i>For Work In Restricted Working Space, Add</i>	8.22	
26 05 33 13-1226	EA			1-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	28.81	
				<i>For Work In Restricted Working Space, Add</i>	8.64	
26 05 33 13-1227	EA			2", Cut And Thread Existing In-Place Threaded Conduit.....	30.22	
				<i>For Work In Restricted Working Space, Add</i>	9.07	
26 05 33 13-1228	EA			2-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	31.63	
				<i>For Work In Restricted Working Space, Add</i>	9.49	
26 05 33 13-1229	EA			3", Cut And Thread Existing In-Place Threaded Conduit.....	33.03	
				<i>For Work In Restricted Working Space, Add</i>	9.91	
26 05 33 13-1230	EA			3-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	33.73	
				<i>For Work In Restricted Working Space, Add</i>	10.12	
26 05 33 13-1231	EA			4", Cut And Thread Existing In-Place Threaded Conduit.....	34.44	
				<i>For Work In Restricted Working Space, Add</i>	10.33	
26 05 33 13-1232	EA			5", Cut And Thread Existing In-Place Threaded Conduit.....	35.84	
				<i>For Work In Restricted Working Space, Add</i>	10.75	
26 05 33 13-1233	EA			6", Cut And Thread Existing In-Place Threaded Conduit.....	37.25	
				<i>For Work In Restricted Working Space, Add</i>	11.18	
26 05 33 13-1234				Flexible Conduit <small>(26 05 33 13-0040)</small>		
26 05 33 13-1235				Flexible Liquid Tight Metallic Conduit And Connectors <small>(26 05 33 13-1234)</small> Note: Steel inner core with PVC cover.		
26 05 33 13-1236				Flexible Liquid Tight Metallic Conduit <small>(26 05 33 13-1235)</small>		
26 05 33 13-1237	LF			1/2" Flexible Liquid Tight Metallic Conduit.....	3.37	0.77
				<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.29	
				<i>For Work In Restricted Working Space, Add</i>	0.58	
26 05 33 13-1238	LF			3/4" Flexible Liquid Tight Metallic Conduit.....	4.53	1.02
				<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.39	
				<i>For Work In Restricted Working Space, Add</i>	0.77	
26 05 33 13-1239	LF			1" Flexible Liquid Tight Metallic Conduit.....	5.52	1.02
				<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.39	
				<i>For Work In Restricted Working Space, Add</i>	0.77	
26 05 33 13-1240	LF			1-1/4" Flexible Liquid Tight Metallic Conduit.....	7.24	1.28
				<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.48	
				<i>For Work In Restricted Working Space, Add</i>	0.96	
26 05 33 13-1241	LF			1-1/2" Flexible Liquid Tight Metallic Conduit.....	9.50	1.53
				<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.58	
				<i>For Work In Restricted Working Space, Add</i>	1.16	
26 05 33 13-1242	LF			2" Flexible Liquid Tight Metallic Conduit.....	12.44	2.06
				<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.77	
				<i>For Work In Restricted Working Space, Add</i>	1.54	
26 05 33 13-1243	LF			2-1/2" Flexible Liquid Tight Metallic Conduit.....	17.85	2.31
				<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.87	
				<i>For Work In Restricted Working Space, Add</i>	1.73	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1244	LF		3" Flexible Liquid Tight Metallic Conduit .....27.36 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	1.06 2.12	2.82
26 05 33 13-1245	LF		4" Flexible Liquid Tight Metallic Conduit .....37.97 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	1.35 2.69	3.59
26 05 33 13-1246			Straight Connector (26 05 33 13-1235)		
26 05 33 13-1247	EA		1/2" Straight Liquid Tight Connector .....8.71 <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.54 1.54	2.06
26 05 33 13-1248	EA		3/4" Straight Liquid Tight Connector .....10.90 <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.73 1.73	2.31
26 05 33 13-1249	EA		1" Straight Liquid Tight Connector .....15.57 <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.92 1.92	2.57
26 05 33 13-1250	EA		1-1/4" Straight Liquid Tight Connector .....20.90 <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.12 2.12	2.82
26 05 33 13-1251	EA		1-1/2" Straight Liquid Tight Connector .....27.45 <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.31 2.31	3.08
26 05 33 13-1252	EA		2" Straight Liquid Tight Connector .....39.08 <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.69 2.69	3.59
26 05 33 13-1253	EA		2-1/2" Straight Liquid Tight Connector .....148.19 <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.47 3.47	4.61
26 05 33 13-1254	EA		3" Straight Liquid Tight Connector .....193.15 <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.66 3.66	4.87
26 05 33 13-1255	EA		4" Straight Liquid Tight Connector .....234.06 <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.39 5.39	7.18
26 05 33 13-1256			90 Degree Angle Connector (26 05 33 13-1235)		
26 05 33 13-1257	EA		1/2" 90 Degree Angle Liquid Tight Connector .....13.81 <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.12 2.12	2.82
26 05 33 13-1258	EA		3/4" 90 Degree Angle Liquid Tight Connector .....15.81 <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.31 2.31	3.08
26 05 33 13-1259	EA		1" 90 Degree Angle Liquid Tight Connector .....23.75 <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.69 2.69	3.59
26 05 33 13-1260	EA		1-1/4" 90 Degree Angle Liquid Tight Connector .....31.22 <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.89 2.89	3.85
26 05 33 13-1261	EA		1-1/2" 90 Degree Angle Liquid Tight Connector .....38.95 <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08 3.08	4.10
26 05 33 13-1262	EA		2" 90 Degree Angle Liquid Tight Connector .....53.10 <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.47 3.47	4.61
26 05 33 13-1263	EA		2-1/2" 90 Degree Angle Liquid Tight Connector .....210.06 <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.66 3.66	4.87
26 05 33 13-1264	EA		3" 90 Degree Angle Liquid Tight Connector .....248.43 <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.23 4.23	5.65
26 05 33 13-1265	EA		4" 90 Degree Angle Liquid Tight Connector .....341.41 <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.74 6.74	8.98
26 05 33 13-1266			45 Degree Angle Connector (26 05 33 13-1235)		
26 05 33 13-1267	EA		1/2" 45 Degree Angle Liquid Tight Connector .....12.96 <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.12 2.12	2.82
26 05 33 13-1268	EA		3/4" 45 Degree Angle Liquid Tight Connector .....15.81 <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.31 2.31	3.08
26 05 33 13-1269	EA		1" 45 Degree Angle Liquid Tight Connector .....25.86 <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.69 2.69	3.59
26 05 33 13-1270	EA		1-1/4" 45 Degree Angle Liquid Tight Connector .....29.86 <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.89 2.89	3.85
26 05 33 13-1271	EA		1-1/2" 45 Degree Angle Liquid Tight Connector .....33.86 <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08 3.08	4.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1272 Flexible Metallic Conduit And Connectors <small>(26 05 33 13-1234)</small>		
26 05 33 13-1273 Flexible Steel Conduit <small>(26 05 33 13-1272)</small>		
26 05 33 13-1274 LF 1/2" Flexible Metallic Conduit.....	2.55	0.84
For Flexible Aluminum Conduit, Add	0.07	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.32	
For Installation In Metal Stud Wall, Add	0.21	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.53	
For Work In Restricted Working Space, Add	0.63	
26 05 33 13-1275 LF 3/4" Flexible Metallic Conduit.....	2.88	1.12
For Flexible Aluminum Conduit, Add	0.10	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.34	
For Installation In Metal Stud Wall, Add	0.23	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.57	
For Work In Restricted Working Space, Add	0.68	
26 05 33 13-1276 LF 1" Flexible Metallic Conduit.....	3.58	1.12
For Flexible Aluminum Conduit, Add	0.18	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.37	
For Installation In Metal Stud Wall, Add	0.25	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.62	
For Work In Restricted Working Space, Add	0.74	
26 05 33 13-1277 LF 1-1/4" Flexible Metallic Conduit	4.05	1.40
For Flexible Aluminum Conduit, Add	0.24	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.39	
For Installation In Metal Stud Wall, Add	0.26	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.65	
For Work In Restricted Working Space, Add	0.78	
26 05 33 13-1278 LF 1-1/2" Flexible Metallic Conduit	5.25	1.68
For Flexible Aluminum Conduit, Add	0.42	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.41	
For Installation In Metal Stud Wall, Add	0.27	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.68	
For Work In Restricted Working Space, Add	0.81	
26 05 33 13-1279 LF 2" Flexible Metallic Conduit.....	5.94	2.25
For Flexible Aluminum Conduit, Add	0.52	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.42	
For Installation In Metal Stud Wall, Add	0.28	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.70	
For Work In Restricted Working Space, Add	0.84	
26 05 33 13-1280 LF 2-1/2" Flexible Steel Conduit	7.29	2.53
For Flexible Aluminum Conduit, Add	0.62	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.53	
For Installation In Metal Stud Wall, Add	0.35	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.88	
For Work In Restricted Working Space, Add	1.05	
26 05 33 13-1281 LF 3" Flexible Metallic Conduit.....	10.78	3.09
For Flexible Aluminum Conduit, Add	1.08	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.63	
For Installation In Metal Stud Wall, Add	0.42	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.05	
For Work In Restricted Working Space, Add	1.26	
26 05 33 13-1282 LF 3-1/2" Flexible Metallic Conduit	13.19	3.37
For Flexible Aluminum Conduit, Add	1.37	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.74	
For Installation In Metal Stud Wall, Add	0.49	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.23	
For Work In Restricted Working Space, Add	1.47	
26 05 33 13-1283 LF 4" Flexible Metallic Conduit.....	15.17	3.93
For Flexible Aluminum Conduit, Add	1.58	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.84	
For Installation In Metal Stud Wall, Add	0.56	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.40	
For Work In Restricted Working Space, Add	1.68	
26 05 33 13-1284 Plain Squeeze Type Straight Connector <small>(26 05 33 13-1272)</small>		
26 05 33 13-1285 EA 1/2" Flexible Straight Connectors, Plain.....	5.11	2.53
For Work In Restricted Working Space, Add	1.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.05	
26 05 33 13-1286 EA 3/4" Flexible Straight Connectors, Plain.....	5.90	3.09
For Work In Restricted Working Space, Add	1.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.26	
26 05 33 13-1287 EA 1" Flexible Straight Connectors, Plain.....	9.31	3.37
For Work In Restricted Working Space, Add	1.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.68	
26 05 33 13-1288 EA 1-1/4" Flexible Straight Connectors, Plain	13.08	3.93
For Work In Restricted Working Space, Add	2.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.11	
26 05 33 13-1289 EA 1-1/2" Flexible Straight Connectors, Plain	17.17	4.77
For Work In Restricted Working Space, Add	2.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.63	
26 05 33 13-1290 EA 2" Flexible Straight Connectors, Plain.....	22.49	4.77
For Work In Restricted Working Space, Add	3.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1291 EA 2-1/2" Flexible Straight Connectors, Plain.....	35.78	5.90
For Work In Restricted Working Space, Add	3.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.68	
26 05 33 13-1292 EA 3" Flexible Straight Connectors, Plain.....	46.62	6.46
For Work In Restricted Working Space, Add	4.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.21	
26 05 33 13-1293 EA 3-1/2" Flexible Straight Connectors, Plain.....	141.80	7.58
For Work In Restricted Working Space, Add	4.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.73	
26 05 33 13-1294 EA 4" Flexible Straight Connectors, Plain.....	176.97	9.25
For Work In Restricted Working Space, Add	5.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.26	
26 05 33 13-1295 Insulated Throat Squeeze Type Straight Connector (26 05 33 13-1272)		
26 05 33 13-1296 EA 1/2" Flexible Straight Connectors, Insulated.....	5.66	2.53
For Work In Restricted Working Space, Add	1.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.05	
26 05 33 13-1297 EA 3/4" Flexible Straight Connectors, Insulated.....	6.62	3.09
For Work In Restricted Working Space, Add	1.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.26	
26 05 33 13-1298 EA 1" Flexible Straight Connectors, Insulated.....	10.30	3.37
For Work In Restricted Working Space, Add	1.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.68	
26 05 33 13-1299 EA 1-1/4" Flexible Straight Connectors, Insulated.....	14.89	3.93
For Work In Restricted Working Space, Add	2.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.11	
26 05 33 13-1300 EA 1-1/2" Flexible Straight Connectors, Insulated.....	20.39	4.21
For Work In Restricted Working Space, Add	2.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.63	
26 05 33 13-1301 EA 2" Flexible Straight Connectors, Insulated.....	28.16	4.77
For Work In Restricted Working Space, Add	3.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-1302 EA 2-1/2" Flexible Straight Connectors, Insulated.....	47.93	5.90
For Work In Restricted Working Space, Add	3.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.68	
26 05 33 13-1303 EA 3" Flexible Straight Connectors, Insulated.....	60.94	6.46
For Work In Restricted Working Space, Add	4.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.21	
26 05 33 13-1304 EA 3-1/2" Flexible Straight Connectors, Insulated.....	163.89	7.58
For Work In Restricted Working Space, Add	4.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.73	
26 05 33 13-1305 EA 4" Flexible Straight Connectors, Insulated.....	210.18	9.25
For Work In Restricted Working Space, Add	5.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.26	
26 05 33 13-1306 Plain Squeeze Type 90 Degree Connector (26 05 33 13-1272)		
26 05 33 13-1307 EA 1/2" Flexible 90 Degree Connector, Plain.....	7.61	3.09
For Work In Restricted Working Space, Add	1.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.47	
26 05 33 13-1308 EA 3/4" Flexible 90 Degree Connector, Plain.....	9.84	3.37
For Work In Restricted Working Space, Add	1.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.68	
26 05 33 13-1309 EA 1" Flexible 90 Degree Connector, Plain.....	13.70	3.93
For Work In Restricted Working Space, Add	2.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.11	
26 05 33 13-1310 EA 1-1/4" Flexible 90 Degree Connector, Plain.....	21.10	4.21
For Work In Restricted Working Space, Add	2.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.53	
26 05 33 13-1311 EA 1-1/2" Flexible 90 Degree Connector, Plain.....	32.68	4.91
For Work In Restricted Working Space, Add	3.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-1312 EA 2" Flexible 90 Degree Connector, Plain.....	39.33	6.04
For Work In Restricted Working Space, Add	3.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.58	
26 05 33 13-1313 EA 2-1/2" Flexible 90 Degree Connector, Plain.....	85.47	6.46
For Work In Restricted Working Space, Add	4.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.21	
26 05 33 13-1314 EA 3" Flexible 90 Degree Connector, Plain.....	109.57	7.58
For Work In Restricted Working Space, Add	4.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.73	
26 05 33 13-1315 EA 3-1/2" Flexible 90 Degree Connector, Plain.....	230.82	9.25
For Work In Restricted Working Space, Add	5.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.26	
26 05 33 13-1316 EA 4" Flexible 90 Degree Connector, Plain.....	411.33	10.52
For Work In Restricted Working Space, Add	6.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.32	
26 05 33 13-1317 Insulated Throat Squeeze Type 90 Degree Connector (26 05 33 13-1272)		
26 05 33 13-1318 EA 1/2" Flexible 90 Degree Connector, Insulated.....	8.38	3.09
For Work In Restricted Working Space, Add	1.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1319 EA 3/4" Flexible 90 Degree Connector, Insulated	10.79	3.37
For Work In Restricted Working Space, Add	1.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.68	
26 05 33 13-1320 EA 1" Flexible 90 Degree Connector, Insulated	13.70	3.93
For Work In Restricted Working Space, Add	2.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.11	
26 05 33 13-1321 EA 1-1/4" Flexible 90 Degree Connector, Insulated	24.45	4.21
For Work In Restricted Working Space, Add	2.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.53	
26 05 33 13-1322 EA 1-1/2" Flexible 90 Degree Connector, Insulated	38.77	4.91
For Work In Restricted Working Space, Add	3.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-1323 EA 2" Flexible 90 Degree Connector, Insulated	49.22	6.04
For Work In Restricted Working Space, Add	3.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.58	
26 05 33 13-1324 EA 2-1/2" Flexible 90 Degree Connector, Insulated	116.41	6.46
For Work In Restricted Working Space, Add	4.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.21	
26 05 33 13-1325 EA 3" Flexible 90 Degree Connector, Insulated	143.09	7.58
For Work In Restricted Working Space, Add	4.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.73	
26 05 33 13-1326 EA 3-1/2" Flexible 90 Degree Connector, Insulated	382.75	9.25
For Work In Restricted Working Space, Add	5.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.26	
26 05 33 13-1327 EA 4" Flexible 90 Degree Connector, Insulated	570.46	10.52
For Work In Restricted Working Space, Add	6.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.32	
26 05 33 13-1328 Plain Squeeze Type 45 Degree Connector (26 05 33 13-1272)		
26 05 33 13-1329 EA 3/8" Flexible 45 Degree Connector, Plain	6.44	2.81
For Work In Restricted Working Space, Add	1.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.26	
26 05 33 13-1330 EA 1/2" Flexible 45 Degree Connector, Plain	8.60	3.09
For Work In Restricted Working Space, Add	1.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.47	
26 05 33 13-1331 EA 3/4" Flexible 45 Degree Connector, Plain	10.95	3.37
For Work In Restricted Working Space, Add	1.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.68	
26 05 33 13-1332 Insulated Squeeze Type 45 Degree Connector (26 05 33 13-1272)		
26 05 33 13-1333 EA 3/8" Flexible 45 Degree Connector, Insulated	6.87	3.37
For Work In Restricted Working Space, Add	1.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.26	
26 05 33 13-1334 EA 1/2" Flexible 45 Degree Connector, Insulated	9.30	3.09
For Work In Restricted Working Space, Add	1.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.47	
26 05 33 13-1335 EA 3/4" Flexible 45 Degree Connector, Insulated	11.94	3.37
For Work In Restricted Working Space, Add	1.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.68	
26 05 33 13-1336 Plain Screw-In Connector (26 05 33 13-1272)		
26 05 33 13-1337 EA 3/8" Flexible Steel Screw-in Connector, Plain	3.53	2.25
For Work In Restricted Working Space, Add	0.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.95	
26 05 33 13-1338 EA 1/2" Flexible Steel Screw-in Connector, Plain	3.82	2.53
For Work In Restricted Working Space, Add	1.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.05	
26 05 33 13-1339 EA 3/4" Flexible Steel Screw-in Connector, Plain	4.84	3.09
For Work In Restricted Working Space, Add	1.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.26	
26 05 33 13-1340 EA 1" Flexible Steel Screw-in Connector, Plain	6.87	3.37
For Work In Restricted Working Space, Add	1.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.68	
26 05 33 13-1341 EA 1-1/4" Flexible Steel Screw-in Connector, Plain	9.97	3.93
For Work In Restricted Working Space, Add	2.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.11	
26 05 33 13-1342 EA 1-1/2" Flexible Steel Screw-in Connector, Plain	12.20	4.21
For Work In Restricted Working Space, Add	2.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.63	
26 05 33 13-1343 EA 2" Flexible Steel Screw-in Connector, Plain	17.67	4.77
For Work In Restricted Working Space, Add	3.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-1344 Insulated Screw-In Connector (26 05 33 13-1272)		
26 05 33 13-1345 EA 3/8" Flexible Steel Screw-in Connector, Insulated	3.72	2.25
For Work In Restricted Working Space, Add	0.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.95	
26 05 33 13-1346 EA 1/2" Flexible Steel Screw-in Connector, Insulated	3.97	2.53
For Work In Restricted Working Space, Add	1.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.05	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1347 EA 3/4" Flexible Steel Screw-in Connector, Insulated	5.21	3.09
For Work In Restricted Working Space, Add	1.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.26	
26 05 33 13-1348 EA 1" Flexible Steel Screw-in Connector, Insulated	7.44	3.37
For Work In Restricted Working Space, Add	1.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.68	
26 05 33 13-1349 EA 1-1/4" Flexible Steel Screw-in Connector, Insulated	10.79	3.93
For Work In Restricted Working Space, Add	2.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.11	
26 05 33 13-1350 EA 1-1/2" Flexible Steel Screw-in Connector, Insulated	13.18	4.21
For Work In Restricted Working Space, Add	2.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.63	
26 05 33 13-1351 EA 2" Flexible Steel Screw-in Connector, Insulated	18.52	4.77
For Work In Restricted Working Space, Add	3.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-1352 Screw-In Coupling <small>(26 05 33 13-1272)</small>		
26 05 33 13-1353 EA 1/2" Flexible Steel Screw-in Coupling	4.18	2.53
For Work In Restricted Working Space, Add	1.05	
26 05 33 13-1354 EA 3/4" Flexible Steel Screw-in Coupling	5.43	3.09
For Work In Restricted Working Space, Add	1.26	
26 05 33 13-1355 Flexible To Electrical Metallic Tubing (EMT) Coupling <small>(26 05 33 13-1272)</small>		
26 05 33 13-1356 EA 3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	5.43	2.25
For Work In Restricted Working Space, Add	0.95	
26 05 33 13-1357 EA 1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	7.30	2.53
For Work In Restricted Working Space, Add	1.05	
26 05 33 13-1358 EA 3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	9.60	3.09
For Work In Restricted Working Space, Add	1.26	
26 05 33 13-1359 Die Cast Squeeze Type Straight Connector <small>(26 05 33 13-1272)</small>		
26 05 33 13-1360 EA 3/8" Flexible Straight Connector, Die Cast	3.65	2.25
For Work In Restricted Working Space, Add	0.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.95	
26 05 33 13-1361 EA 1/2" Flexible Straight Connector, Die Cast	4.12	2.53
For Work In Restricted Working Space, Add	1.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.05	
26 05 33 13-1362 EA 3/4" Flexible Straight Connector, Die Cast	5.09	3.09
For Work In Restricted Working Space, Add	1.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.26	
26 05 33 13-1363 EA 1" Flexible Straight Connector, Die Cast	7.57	3.37
For Work In Restricted Working Space, Add	1.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.68	
26 05 33 13-1364 EA 1-1/4" Flexible Straight Connector, Die Cast	10.15	3.93
For Work In Restricted Working Space, Add	2.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.11	
26 05 33 13-1365 EA 1-1/2" Flexible Straight Connector, Die Cast	13.67	4.21
For Work In Restricted Working Space, Add	2.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.63	
26 05 33 13-1366 EA 2" Flexible Straight Connector, Die Cast	17.59	4.77
For Work In Restricted Working Space, Add	3.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-1367 Die Cast Squeeze Type 90 Degree Connector <small>(26 05 33 13-1272)</small>		
26 05 33 13-1368 EA 3/8" Flexible 90 Degree Connector, Die Cast	4.83	2.81
For Work In Restricted Working Space, Add	1.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.26	
26 05 33 13-1369 EA 1/2" Flexible 90 Degree Connector, Die Cast	5.95	3.09
For Work In Restricted Working Space, Add	1.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.47	
26 05 33 13-1370 EA 3/4" Flexible 90 Degree Connector, Die Cast	7.18	3.37
For Work In Restricted Working Space, Add	1.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.68	
26 05 33 13-1371 EA 1" Flexible 90 Degree Connector, Die Cast	11.17	3.93
For Work In Restricted Working Space, Add	2.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.11	
26 05 33 13-1372 EA 1-1/4" Flexible 90 Degree Connector, Die Cast	15.66	4.21
For Work In Restricted Working Space, Add	2.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.53	
26 05 33 13-1373 EA 1-1/2" Flexible 90 Degree Connector, Die Cast	24.03	4.91
For Work In Restricted Working Space, Add	3.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-1374 EA 2" Flexible 90 Degree Connector, Die Cast	28.65	6.04
For Work In Restricted Working Space, Add	3.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.58	
26 05 33 13-1375 Conduit Bodies <small>(26 05 33 13-0040)</small>		
26 05 33 13-1376 Threaded, Cast Aluminum Conduit Body <small>(26 05 33 13-1375)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1377 Type LB, Threaded, Two Hub Cast Aluminum Conduit Body <small>(26 05 33 13-1376)</small>		
26 05 33 13-1378 EA 1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	36.43	12.32
For Mogul LB, Add	2.70	
For Work In Restricted Working Space, Add	9.23	
For Installation Above 14', Add	4.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.23	
26 05 33 13-1379 EA 3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	42.95	14.11
For Mogul LB, Add	4.00	
For Work In Restricted Working Space, Add	10.58	
For Installation Above 14', Add	5.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.58	
26 05 33 13-1380 EA 1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	51.97	16.42
For Mogul LB, Add	6.15	
For Work In Restricted Working Space, Add	12.31	
For Installation Above 14', Add	6.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.31	
26 05 33 13-1381 EA 1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	63.13	18.73
For Mogul LB, Add	9.90	
For Work In Restricted Working Space, Add	14.04	
For Installation Above 14', Add	7.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.04	
26 05 33 13-1382 EA 1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	72.37	20.52
For Mogul LB, Add	13.23	
For Work In Restricted Working Space, Add	15.39	
For Installation Above 14', Add	7.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.39	
26 05 33 13-1383 EA 2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	95.58	24.62
For Mogul LB, Add	22.43	
For Work In Restricted Working Space, Add	18.47	
For Installation Above 14', Add	9.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.47	
26 05 33 13-1384 EA 2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	161.84	34.63
For Mogul LB, Add	52.12	
For Work In Restricted Working Space, Add	25.97	
For Installation Above 14', Add	12.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.97	
26 05 33 13-1385 EA 3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	212.62	46.17
For Mogul LB, Add	67.12	
For Work In Restricted Working Space, Add	34.63	
For Installation Above 14', Add	17.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.63	
26 05 33 13-1386 EA 3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	283.28	57.72
For Mogul LB, Add	97.03	
For Work In Restricted Working Space, Add	43.29	
For Installation Above 14', Add	21.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.29	
26 05 33 13-1387 EA 4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	368.85	70.28
For Mogul LB, Add	136.07	
For Work In Restricted Working Space, Add	52.71	
For Installation Above 14', Add	26.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.71	
26 05 33 13-1388 Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-1376)</small>		
26 05 33 13-1389 EA 1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	37.12	12.32
For Mogul LB, Add	3.22	
For Work In Restricted Working Space, Add	9.23	
For Installation Above 14', Add	4.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.23	
26 05 33 13-1390 EA 3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	43.62	14.11
For Mogul LB, Add	4.50	
For Work In Restricted Working Space, Add	10.58	
For Installation Above 14', Add	5.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.58	
26 05 33 13-1391 EA 1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	53.32	16.42
For Mogul LB, Add	7.16	
For Work In Restricted Working Space, Add	12.31	
For Installation Above 14', Add	6.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.31	
26 05 33 13-1392 EA 1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	64.78	18.73
For Mogul LB, Add	11.14	
For Work In Restricted Working Space, Add	14.04	
For Installation Above 14', Add	7.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.04	
26 05 33 13-1393 EA 1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	75.17	20.52
For Mogul LB, Add	15.33	
For Work In Restricted Working Space, Add	15.39	
For Installation Above 14', Add	7.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.39	
26 05 33 13-1394 EA 2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	101.59	24.62
For Mogul LB, Add	26.94	
For Work In Restricted Working Space, Add	18.47	
For Installation Above 14', Add	9.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.47	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1395	EA		2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	158.81	34.63
			<i>For Mogul LB, Add</i>	49.85	
			<i>For Work In Restricted Working Space, Add</i>	25.97	
			<i>For Installation Above 14', Add</i>	12.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.97	
26 05 33 13-1396	EA		3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	202.42	46.17
			<i>For Mogul LB, Add</i>	59.47	
			<i>For Work In Restricted Working Space, Add</i>	34.63	
			<i>For Installation Above 14', Add</i>	17.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.63	
26 05 33 13-1397	EA		3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	291.98	57.72
			<i>For Mogul LB, Add</i>	103.55	
			<i>For Work In Restricted Working Space, Add</i>	43.29	
			<i>For Installation Above 14', Add</i>	21.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.29	
26 05 33 13-1398	EA		4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	386.62	70.28
			<i>For Mogul LB, Add</i>	149.40	
			<i>For Work In Restricted Working Space, Add</i>	52.71	
			<i>For Installation Above 14', Add</i>	26.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.71	
26 05 33 13-1399			Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-1376)</small>		
26 05 33 13-1400	EA		1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	42.77	14.11
			<i>For Work In Restricted Working Space, Add</i>	10.58	
			<i>For Installation Above 14', Add</i>	5.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.58	
26 05 33 13-1401	EA		3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	50.69	16.42
			<i>For Work In Restricted Working Space, Add</i>	12.31	
			<i>For Installation Above 14', Add</i>	6.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.31	
26 05 33 13-1402	EA		1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	58.55	17.95
			<i>For Work In Restricted Working Space, Add</i>	13.47	
			<i>For Installation Above 14', Add</i>	6.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.47	
26 05 33 13-1403	EA		1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	72.01	20.52
			<i>For Work In Restricted Working Space, Add</i>	15.39	
			<i>For Installation Above 14', Add</i>	7.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.39	
26 05 33 13-1404	EA		1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	83.34	22.57
			<i>For Work In Restricted Working Space, Add</i>	16.93	
			<i>For Installation Above 14', Add</i>	8.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.93	
26 05 33 13-1405	EA		2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	112.07	26.42
			<i>For Work In Restricted Working Space, Add</i>	19.82	
			<i>For Installation Above 14', Add</i>	9.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.82	
26 05 33 13-1406	EA		2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	177.51	38.48
			<i>For Work In Restricted Working Space, Add</i>	28.86	
			<i>For Installation Above 14', Add</i>	14.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.86	
26 05 33 13-1407	EA		3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	229.29	50.02
			<i>For Work In Restricted Working Space, Add</i>	37.52	
			<i>For Installation Above 14', Add</i>	18.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.52	
26 05 33 13-1408	EA		3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	370.41	61.57
			<i>For Work In Restricted Working Space, Add</i>	46.17	
			<i>For Installation Above 14', Add</i>	23.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.17	
26 05 33 13-1409	EA		4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	423.71	74.14
			<i>For Work In Restricted Working Space, Add</i>	55.60	
			<i>For Installation Above 14', Add</i>	27.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.60	
26 05 33 13-1410			RGS Type C Conduit Bodies With Cover <small>(26 05 33 13-1376)</small>		
26 05 33 13-1411	EA		1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	37.26	12.32
			<i>For Work In Restricted Working Space, Add</i>	9.23	
			<i>For Installation Above 14', Add</i>	4.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.23	
26 05 33 13-1412	EA		3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	43.14	14.11
			<i>For Work In Restricted Working Space, Add</i>	10.58	
			<i>For Installation Above 14', Add</i>	5.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.58	
26 05 33 13-1413	EA		1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	52.13	16.16
			<i>For Work In Restricted Working Space, Add</i>	12.12	
			<i>For Installation Above 14', Add</i>	6.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.12	
26 05 33 13-1414	EA		1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	64.12	18.73
			<i>For Work In Restricted Working Space, Add</i>	14.04	
			<i>For Installation Above 14', Add</i>	7.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1415 EA 1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	71.91	20.52
<i>For Work In Restricted Working Space, Add</i>	15.39	
<i>For Installation Above 14', Add</i>	7.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.39	
26 05 33 13-1416 EA 2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	95.63	24.62
<i>For Work In Restricted Working Space, Add</i>	18.47	
<i>For Installation Above 14', Add</i>	9.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47	
26 05 33 13-1417 EA 2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	156.25	34.63
<i>For Work In Restricted Working Space, Add</i>	25.97	
<i>For Installation Above 14', Add</i>	12.99	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.97	
26 05 33 13-1418 EA 3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	200.78	46.17
<i>For Work In Restricted Working Space, Add</i>	34.63	
<i>For Installation Above 14', Add</i>	17.31	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.63	
26 05 33 13-1419 EA 3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	286.75	57.72
<i>For Work In Restricted Working Space, Add</i>	43.29	
<i>For Installation Above 14', Add</i>	21.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.29	
26 05 33 13-1420 EA 4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	370.48	70.28
<i>For Work In Restricted Working Space, Add</i>	52.71	
<i>For Installation Above 14', Add</i>	26.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.71	
26 05 33 13-1421 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-1376)</small>		
26 05 33 13-1422 EA 1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	49.60	16.16
<i>For Work In Restricted Working Space, Add</i>	12.12	
<i>For Installation Above 14', Add</i>	6.06	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.12	
26 05 33 13-1423 EA 3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	57.34	17.95
<i>For Work In Restricted Working Space, Add</i>	13.47	
<i>For Installation Above 14', Add</i>	6.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.47	
26 05 33 13-1424 EA 1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	70.44	19.75
<i>For Work In Restricted Working Space, Add</i>	14.81	
<i>For Installation Above 14', Add</i>	7.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.81	
26 05 33 13-1425 EA 1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	81.22	22.57
<i>For Work In Restricted Working Space, Add</i>	16.93	
<i>For Installation Above 14', Add</i>	8.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.93	
26 05 33 13-1426 EA 1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	104.99	24.62
<i>For Work In Restricted Working Space, Add</i>	18.47	
<i>For Installation Above 14', Add</i>	9.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47	
26 05 33 13-1427 EA 2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	126.88	30.27
<i>For Work In Restricted Working Space, Add</i>	22.70	
<i>For Installation Above 14', Add</i>	11.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.70	
26 05 33 13-1428 EA 2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	238.00	44.37
<i>For Work In Restricted Working Space, Add</i>	33.29	
<i>For Installation Above 14', Add</i>	16.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.29	
26 05 33 13-1429 EA 3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	293.12	57.72
<i>For Work In Restricted Working Space, Add</i>	43.29	
<i>For Installation Above 14', Add</i>	21.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.29	
26 05 33 13-1430 EA 3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	419.61	71.31
<i>For Work In Restricted Working Space, Add</i>	53.87	
<i>For Installation Above 14', Add</i>	26.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.87	
26 05 33 13-1431 EA 4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	507.02	85.68
<i>For Work In Restricted Working Space, Add</i>	64.26	
<i>For Installation Above 14', Add</i>	32.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.26	
26 05 33 13-1432 Threaded, Malleable Iron Conduit Body <small>(26 05 33 13-1375)</small>		
26 05 33 13-1433 Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-1432)</small>		
26 05 33 13-1434 EA 1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	38.36	12.32
<i>For Work In Restricted Working Space, Add</i>	9.23	
<i>For Installation Above 14', Add</i>	4.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.23	
26 05 33 13-1435 EA 3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	44.56	14.11
<i>For Work In Restricted Working Space, Add</i>	10.58	
<i>For Installation Above 14', Add</i>	5.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.58	
26 05 33 13-1436 EA 1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	54.89	16.42
<i>For Work In Restricted Working Space, Add</i>	12.31	
<i>For Installation Above 14', Add</i>	6.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.31	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1437 EA 1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	71.65	18.73
For Work In Restricted Working Space, Add	14.04	
For Installation Above 14', Add	7.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.04	
26 05 33 13-1438 EA 1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	81.78	20.52
For Work In Restricted Working Space, Add	15.39	
For Installation Above 14', Add	7.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.39	
26 05 33 13-1439 EA 2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	112.56	24.62
For Work In Restricted Working Space, Add	18.47	
For Installation Above 14', Add	9.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.47	
26 05 33 13-1440 EA 2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	190.96	34.63
For Work In Restricted Working Space, Add	25.97	
For Installation Above 14', Add	12.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.97	
26 05 33 13-1441 EA 3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	271.15	46.17
For Work In Restricted Working Space, Add	34.63	
For Installation Above 14', Add	17.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.63	
26 05 33 13-1442 EA 3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	374.81	57.72
For Work In Restricted Working Space, Add	43.29	
For Installation Above 14', Add	21.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.29	
26 05 33 13-1443 EA 4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	448.30	70.28
For Work In Restricted Working Space, Add	52.71	
For Installation Above 14', Add	26.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.71	
26 05 33 13-1444 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover		
<i>(26 05 33 13-1432)</i>		
26 05 33 13-1445 EA 1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	40.11	12.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.23	
26 05 33 13-1446 EA 3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	45.08	14.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.58	
26 05 33 13-1447 EA 1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	57.57	16.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.31	
26 05 33 13-1448 EA 1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	73.45	18.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.04	
26 05 33 13-1449 EA 1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	83.98	20.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.39	
26 05 33 13-1450 EA 2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	108.06	24.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.47	
26 05 33 13-1451 EA 2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	165.93	34.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.97	
26 05 33 13-1452 EA 3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	226.14	46.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.63	
26 05 33 13-1453 EA 3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	401.31	57.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.29	
26 05 33 13-1454 EA 4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	467.85	70.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.71	
26 05 33 13-1455 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover		
<i>(26 05 33 13-1432)</i>		
26 05 33 13-1456 EA 1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	47.78	14.11
For Work In Restricted Working Space, Add	10.58	
For Installation Above 14', Add	5.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.58	
26 05 33 13-1457 EA 3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	56.32	16.42
For Work In Restricted Working Space, Add	12.51	
For Installation Above 14', Add	6.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.51	
26 05 33 13-1458 EA 1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	67.02	17.95
For Work In Restricted Working Space, Add	13.47	
For Installation Above 14', Add	6.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.47	
26 05 33 13-1459 EA 1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	84.95	20.52
For Work In Restricted Working Space, Add	15.20	
For Installation Above 14', Add	7.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.20	
26 05 33 13-1460 EA 1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	97.63	22.57
For Work In Restricted Working Space, Add	16.93	
For Installation Above 14', Add	8.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.93	
26 05 33 13-1461 EA 2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	130.60	26.42
For Work In Restricted Working Space, Add	19.82	
For Installation Above 14', Add	9.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.82	
26 05 33 13-1462 EA 2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	163.91	38.48
For Work In Restricted Working Space, Add	28.86	
For Installation Above 14', Add	14.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1463 EA 3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	237.59	50.02
<i>For Work In Restricted Working Space, Add</i>	37.52	
<i>For Installation Above 14', Add</i>	18.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.52	
26 05 33 13-1464 EA 3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	423.17	61.57
<i>For Work In Restricted Working Space, Add</i>	46.17	
<i>For Installation Above 14', Add</i>	23.09	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.17	
26 05 33 13-1465 EA 4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	488.69	74.14
<i>For Work In Restricted Working Space, Add</i>	55.79	
<i>For Installation Above 14', Add</i>	27.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.79	
26 05 33 13-1466 Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-1432)</small>		
26 05 33 13-1467 EA 1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	38.49	12.32
<i>For Work In Restricted Working Space, Add</i>	9.23	
<i>For Installation Above 14', Add</i>	4.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.23	
26 05 33 13-1468 EA 3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	46.84	14.11
<i>For Work In Restricted Working Space, Add</i>	10.58	
<i>For Installation Above 14', Add</i>	5.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.58	
26 05 33 13-1469 EA 1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	54.88	16.16
<i>For Work In Restricted Working Space, Add</i>	12.12	
<i>For Installation Above 14', Add</i>	6.06	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.12	
26 05 33 13-1470 EA 1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	74.95	18.73
<i>For Work In Restricted Working Space, Add</i>	14.04	
<i>For Installation Above 14', Add</i>	7.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.04	
26 05 33 13-1471 EA 1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	87.97	20.52
<i>For Work In Restricted Working Space, Add</i>	15.39	
<i>For Installation Above 14', Add</i>	7.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.39	
26 05 33 13-1472 EA 2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	114.33	24.62
<i>For Work In Restricted Working Space, Add</i>	18.47	
<i>For Installation Above 14', Add</i>	9.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47	
26 05 33 13-1473 EA 2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	253.02	64.97
<i>For Work In Restricted Working Space, Add</i>	48.70	
<i>For Installation Above 14', Add</i>	24.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.70	
26 05 33 13-1474 EA 3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	245.05	46.17
<i>For Work In Restricted Working Space, Add</i>	34.63	
<i>For Installation Above 14', Add</i>	17.32	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.63	
26 05 33 13-1475 EA 3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	401.31	57.72
<i>For Work In Restricted Working Space, Add</i>	43.29	
<i>For Installation Above 14', Add</i>	21.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.29	
26 05 33 13-1476 EA 4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	467.84	70.28
<i>For Work In Restricted Working Space, Add</i>	52.71	
<i>For Installation Above 14', Add</i>	26.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.71	
26 05 33 13-1477 Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-1432)</small>		
26 05 33 13-1478 EA 1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	54.27	16.16
<i>For Work In Restricted Working Space, Add</i>	12.12	
<i>For Installation Above 14', Add</i>	6.06	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.12	
26 05 33 13-1479 EA 3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	59.28	17.95
<i>For Work In Restricted Working Space, Add</i>	13.47	
<i>For Installation Above 14', Add</i>	6.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.47	
26 05 33 13-1480 EA 1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	69.13	19.75
<i>For Work In Restricted Working Space, Add</i>	14.81	
<i>For Installation Above 14', Add</i>	7.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.81	
26 05 33 13-1481 EA 1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	82.50	22.57
<i>For Work In Restricted Working Space, Add</i>	16.93	
<i>For Installation Above 14', Add</i>	8.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.93	
26 05 33 13-1482 EA 1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	95.59	24.62
<i>For Work In Restricted Working Space, Add</i>	18.47	
<i>For Installation Above 14', Add</i>	9.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47	
26 05 33 13-1483 EA 2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	134.89	30.27
<i>For Work In Restricted Working Space, Add</i>	22.70	
<i>For Installation Above 14', Add</i>	11.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.70	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1484 EA 2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	216.68	44.37
For Work In Restricted Working Space, Add	33.29	
For Installation Above 14', Add	16.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.29	
26 05 33 13-1485 EA 3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	319.99	57.72
For Work In Restricted Working Space, Add	43.29	
For Installation Above 14', Add	21.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.29	
26 05 33 13-1486 EA 3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	482.11	71.31
For Work In Restricted Working Space, Add	53.48	
For Installation Above 14', Add	26.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.48	
26 05 33 13-1487 EA 4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	536.78	85.68
For Work In Restricted Working Space, Add	64.26	
For Installation Above 14', Add	32.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.26	
26 05 33 13-1488 Set Screw, Cast Aluminum Conduit Body <small>(26 05 33 13-1375)</small>		
26 05 33 13-1489 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-1488)</small>		
26 05 33 13-1490 EA 1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	18.77	4.87
For Work In Restricted Working Space, Add	3.66	
For Installation Above 14', Add	1.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.66	
26 05 33 13-1491 EA 3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	23.94	6.41
For Work In Restricted Working Space, Add	4.81	
For Installation Above 14', Add	2.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.81	
26 05 33 13-1492 EA 1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	32.64	7.95
For Work In Restricted Working Space, Add	5.96	
For Installation Above 14', Add	2.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.96	
26 05 33 13-1493 EA 1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	42.53	9.75
For Work In Restricted Working Space, Add	7.31	
For Installation Above 14', Add	3.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.31	
26 05 33 13-1494 EA 1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	56.46	11.28
For Work In Restricted Working Space, Add	8.47	
For Installation Above 14', Add	4.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.47	
26 05 33 13-1495 EA 2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	75.53	12.83
For Work In Restricted Working Space, Add	9.62	
For Installation Above 14', Add	4.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.62	
26 05 33 13-1496 Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-1488)</small>		
26 05 33 13-1497 EA 1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	18.95	4.87
For Work In Restricted Working Space, Add	3.66	
For Installation Above 14', Add	1.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.66	
26 05 33 13-1498 EA 3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	24.63	6.41
For Work In Restricted Working Space, Add	4.81	
For Installation Above 14', Add	2.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.81	
26 05 33 13-1499 EA 1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	30.23	7.95
For Work In Restricted Working Space, Add	5.96	
For Installation Above 14', Add	2.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.96	
26 05 33 13-1500 EA 1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	42.32	9.75
For Work In Restricted Working Space, Add	7.31	
For Installation Above 14', Add	3.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.31	
26 05 33 13-1501 EA 1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	52.45	11.28
For Work In Restricted Working Space, Add	8.47	
For Installation Above 14', Add	4.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.47	
26 05 33 13-1502 EA 2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	75.19	12.83
For Work In Restricted Working Space, Add	9.62	
For Installation Above 14', Add	4.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.62	
26 05 33 13-1503 Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-1488)</small>		
26 05 33 13-1504 EA 1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	24.31	6.41
For Work In Restricted Working Space, Add	4.81	
For Installation Above 14', Add	2.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.81	
26 05 33 13-1505 EA 3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	31.82	7.95
For Work In Restricted Working Space, Add	5.96	
For Installation Above 14', Add	2.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1506 EA 1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	38.32	9.75
For Work In Restricted Working Space, Add	7.31	
For Installation Above 14', Add	3.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.31	
26 05 33 13-1507 EA 1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	53.59	11.28
For Work In Restricted Working Space, Add	8.85	
For Installation Above 14', Add	4.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.85	
26 05 33 13-1508 EA 1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	69.16	12.83
For Work In Restricted Working Space, Add	10.39	
For Installation Above 14', Add	5.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.39	
26 05 33 13-1509 EA 2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	94.01	14.36
For Work In Restricted Working Space, Add	11.93	
For Installation Above 14', Add	5.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.93	
26 05 33 13-1510 Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-1499)</small>		
26 05 33 13-1511 EA 1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	19.54	4.87
For Work In Restricted Working Space, Add	3.66	
For Installation Above 14', Add	1.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.66	
26 05 33 13-1512 EA 3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	26.17	6.41
For Work In Restricted Working Space, Add	4.81	
For Installation Above 14', Add	2.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.81	
26 05 33 13-1513 EA 1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	33.52	7.95
For Work In Restricted Working Space, Add	5.96	
For Installation Above 14', Add	2.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.96	
26 05 33 13-1514 EA 1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	43.57	9.75
For Work In Restricted Working Space, Add	7.31	
For Installation Above 14', Add	3.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.31	
26 05 33 13-1515 EA 1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	30.30	11.28
For Work In Restricted Working Space, Add	8.47	
For Installation Above 14', Add	4.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.47	
26 05 33 13-1516 EA 2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	81.89	12.83
For Work In Restricted Working Space, Add	9.62	
For Installation Above 14', Add	4.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.62	
26 05 33 13-1517 Replacement Covers And Gaskets For Conduit Body <small>(26 05 33 13-1375)</small>		
26 05 33 13-1518 Replacement Stamped Aluminum Conduit Body Cover <small>(26 05 33 13-1517)</small>		
26 05 33 13-1519 EA 1/2" Replacement Stamped Aluminum Conduit Body Cover.....	6.86	2.50
26 05 33 13-1520 EA 3/4" Replacement Stamped Aluminum Conduit Body Cover.....	8.43	2.92
26 05 33 13-1521 EA 1" Replacement Stamped Aluminum Conduit Body Cover.....	10.79	3.75
26 05 33 13-1522 EA 1-1/4" Replacement Stamped Aluminum Conduit Body Cover.....	13.13	4.58
26 05 33 13-1523 EA 1-1/2" Replacement Stamped Aluminum Conduit Body Cover.....	16.19	5.42
26 05 33 13-1524 EA 2" Replacement Stamped Aluminum Conduit Body Cover.....	19.26	6.25
26 05 33 13-1525 EA 2-1/2" Replacement Stamped Aluminum Conduit Body Cover.....	25.85	7.08
26 05 33 13-1526 EA 3" Replacement Stamped Aluminum Conduit Body Cover.....	33.08	10.00
26 05 33 13-1527 EA 3-1/2" Replacement Stamped Aluminum Conduit Body Cover.....	35.89	11.25
26 05 33 13-1528 EA 4" Replacement Stamped Aluminum Conduit Body Cover.....	45.23	14.17
26 05 33 13-1529 Replacement Cast Steel Conduit Body Cover <small>(26 05 33 13-1517)</small>		
26 05 33 13-1530 EA 1/2" Replacement Cast Steel Conduit Body Cover.....	8.12	2.50
26 05 33 13-1531 EA 3/4" Replacement Cast Steel Conduit Body Cover.....	9.53	2.92
26 05 33 13-1532 EA 1" Replacement Cast Steel Conduit Body Cover.....	13.50	3.75
26 05 33 13-1533 EA 1-1/4" Replacement Cast Steel Conduit Body Cover.....	16.80	4.58
26 05 33 13-1534 EA 1-1/2" Replacement Cast Steel Conduit Body Cover.....	20.47	5.42
26 05 33 13-1535 EA 2" Replacement Cast Steel Conduit Body Cover.....	24.15	6.25
26 05 33 13-1536 EA 2-1/2" Replacement Cast Steel Conduit Body Cover.....	27.79	7.08
26 05 33 13-1537 EA 3" Replacement Cast Steel Conduit Body Cover.....	37.67	10.00
26 05 33 13-1538 EA 3-1/2" Replacement Cast Steel Conduit Body Cover.....	43.12	11.25
26 05 33 13-1539 EA 4" Replacement Cast Steel Conduit Body Cover.....	54.37	14.17
26 05 33 13-1540 Replacement Velbuna Composition Conduit Body Gasket <small>(26 05 33 13-1517)</small>		
26 05 33 13-1541 EA 1/2" Replacement Velbuna Composition Conduit Body Gasket.....	6.30	2.50
26 05 33 13-1542 EA 3/4" Replacement Velbuna Composition Conduit Body Gasket.....	7.17	2.92
26 05 33 13-1543 EA 1" Replacement Velbuna Composition Conduit Body Gasket.....	9.38	3.75
26 05 33 13-1544 EA 1-1/4" Replacement Velbuna Composition Conduit Body Gasket.....	12.28	4.58
26 05 33 13-1545 EA 1-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	13.94	5.42
26 05 33 13-1546 EA 2" Replacement Velbuna Composition Conduit Body Gasket.....	16.66	6.25
26 05 33 13-1547 EA 2-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	22.28	7.08
26 05 33 13-1548 EA 3" Replacement Velbuna Composition Conduit Body Gasket.....	28.63	10.00

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1549 EA 3-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	31.68	11.25
26 05 33 13-1550 EA 4" Replacement Velbuna Composition Conduit Body Gasket.....	37.45	14.17
26 05 33 13-1551 Replacement Neoprene Conduit Body Gasket (26 05 33 13-1517)		
26 05 33 13-1552 EA 1/2" Replacement Neoprene Conduit Body Gasket.....	7.17	2.50
26 05 33 13-1553 EA 3/4" Replacement Neoprene Conduit Body Gasket.....	8.00	2.92
26 05 33 13-1554 EA 1" Replacement Neoprene Conduit Body Gasket.....	10.47	3.75
26 05 33 13-1555 EA 1-1/4" Replacement Neoprene Conduit Body Gasket.....	12.83	4.58
26 05 33 13-1556 EA 1-1/2" Replacement Neoprene Conduit Body Gasket.....	14.49	5.42
26 05 33 13-1557 EA 2" Replacement Neoprene Conduit Body Gasket.....	16.71	6.25
26 05 33 13-1558 EA 2-1/2" Replacement Neoprene Conduit Body Gasket.....	22.42	7.08
26 05 33 13-1559 EA 3" Replacement Neoprene Conduit Body Gasket.....	28.77	10.00
26 05 33 13-1560 EA 3-1/2" Replacement Neoprene Conduit Body Gasket.....	32.62	11.25
26 05 33 13-1561 EA 4" Replacement Neoprene Conduit Body Gasket.....	38.39	14.17
26 05 33 16 Boxes For Electrical Systems (26 05 33)		
See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.		
26 05 33 16-0001 Steel Junction, Device, And Fixture Boxes, Rings And Covers (26 05 33 16)		
Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0123 for steel box/switch assemblies.		
26 05 33 16-0002 4" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)		
26 05 33 16-0003 EA 1-1/2" Depth, 4" Square Steel Box.....	22.53	10.52
<i>For Stud Bracket, Add</i>		
	0.36	
26 05 33 16-0004 EA 2-1/8" Depth, 4" Square Steel Box.....	23.21	10.52
<i>For Stud Bracket, Add</i>		
	0.65	
26 05 33 16-0005 EA 3-1/2" Depth, 4" Square Steel Box.....	25.52	10.52
<i>For Stud Bracket, Add</i>		
	0.71	
26 05 33 16-0006 EA 1-1/2" Depth, 4" Square Steel Extension Ring.....	17.33	7.02
26 05 33 16-0007 EA 2-1/8" Depth, 4" Square Steel Extension Ring.....	14.99	7.02
26 05 33 16-0008 EA 1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	7.73	3.51
26 05 33 16-0009 EA 5/8" Depth, 1 Gang, 4" Square Steel Mud Ring.....	7.83	3.51
26 05 33 16-0010 EA 3/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	7.91	3.51
26 05 33 16-0011 EA 1" Depth, 1 Gang, 4" Square Steel Mud Ring.....	8.16	3.51
26 05 33 16-0012 EA 1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	8.24	3.51
26 05 33 16-0013 EA 1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	9.04	3.51
26 05 33 16-0014 EA 1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	8.03	3.51
26 05 33 16-0015 EA 5/8" Depth, 2 Gang, 4" Square Steel Mud Ring.....	8.11	3.51
26 05 33 16-0016 EA 3/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	8.20	3.51
26 05 33 16-0017 EA 1" Depth, 2 Gang, 4" Square Steel Mud Ring.....	9.02	3.51
26 05 33 16-0018 EA 1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	9.19	3.51
26 05 33 16-0019 EA 1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	10.23	3.51
26 05 33 16-0020 EA 3/4" Depth, Fixture Cover, 4" Square Mud Rings.....	8.43	3.51
26 05 33 16-0021 EA 1" Depth, Fixture Cover, 4" Square Mud Rings.....	9.09	3.51
26 05 33 16-0022 EA One Toggle Switch, 4" Square Steel Exposed Work Cover.....	8.02	3.51
26 05 33 16-0023 EA Two Toggle Switches, 4" Square Steel Exposed Work Cover.....	8.08	3.51
26 05 33 16-0024 EA One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	8.00	3.51
26 05 33 16-0025 EA Two Duplex Receptacles, 4" Square Steel Exposed Work Cover.....	8.18	3.51
26 05 33 16-0026 EA One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	8.33	3.51
26 05 33 16-0027 EA One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	10.16	3.51
26 05 33 16-0028 EA One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	8.30	3.51
26 05 33 16-0029 EA Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover.....	10.16	3.51
26 05 33 16-0030 EA One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	8.30	3.51
26 05 33 16-0031 EA One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	8.73	3.51
26 05 33 16-0032 EA One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	10.16	3.51
26 05 33 16-0033 EA One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	10.16	3.51
26 05 33 16-0034 EA Flat, 4" Square Steel Exposed Work Cover.....	7.49	3.51
26 05 33 16-0035 4-11/16" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)		
26 05 33 16-0036 EA 1-1/2" Depth, 4-11/16" Square Steel Box.....	25.03	10.52
26 05 33 16-0037 EA 2-1/8" Depth, 4-11/16" Square Steel Box.....	23.50	10.52
<i>For Stud Bracket, Add</i>		
	0.34	
26 05 33 16-0038 EA 3-1/4" Depth, 4-11/16" Square Steel Box.....	31.16	10.52
26 05 33 16-0039 EA 1-1/2" Depth, 4-11/16" Square Extension Ring.....	17.96	7.02
26 05 33 16-0040 EA 2-1/8" Depth, 4-11/16" Square Extension Ring.....	18.34	7.02
26 05 33 16-0041 EA 1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	9.25	3.51
26 05 33 16-0042 EA 5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	9.27	3.51
26 05 33 16-0043 EA 3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	9.92	3.51
26 05 33 16-0044 EA 1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	9.66	3.51
26 05 33 16-0045 EA 1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	9.60	3.51
26 05 33 16-0046 EA 1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	12.30	3.51
26 05 33 16-0047 EA 1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	9.77	3.51
26 05 33 16-0048 EA 5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	9.91	3.51
26 05 33 16-0049 EA 3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	9.92	3.51
26 05 33 16-0050 EA 1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	10.88	3.51
26 05 33 16-0051 EA 1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	11.08	3.51
26 05 33 16-0052 EA 1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	13.39	3.51
26 05 33 16-0053 EA 1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	9.64	3.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0054 EA 5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	9.71	3.51
26 05 33 16-0055 EA One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover.....	11.50	3.51
26 05 33 16-0056 EA Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover.....	12.01	3.51
26 05 33 16-0057 EA One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	11.36	3.51
26 05 33 16-0058 EA Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover.....	10.81	3.51
26 05 33 16-0059 EA One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	12.64	3.51
26 05 33 16-0060 EA One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	12.00	3.51
26 05 33 16-0061 EA One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	12.00	3.51
26 05 33 16-0062 EA One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	12.00	3.51
26 05 33 16-0063 EA Flat, 4-11/16" Square Steel Exposed Work Cover.....	7.91	3.51
26 05 33 16-0064 Steel Square Box Brackets (26 05 33 16-0001)		
26 05 33 16-0065 EA 16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes.....	11.22	5.27
26 05 33 16-0066 EA Single Box Bracket, One 4" Or 4-11/16" Square Box.....	8.08	3.52
26 05 33 16-0067 EA 16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes.....	12.85	5.27
26 05 33 16-0068 EA 24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes.....	13.68	5.27
26 05 33 16-0069 4" Octagon Steel Boxes And Covers (26 05 33 16-0001)		
26 05 33 16-0070 EA 1-1/2" Depth, 4" Steel Octagon Box.....	18.75	8.76
<i>For Stud Bracket, Add</i>	<i>0.88</i>	
26 05 33 16-0071 EA 2-1/8" Depth, 4" Steel Octagon Box.....	19.35	8.76
26 05 33 16-0072 EA Flat, 4" Octagon Steel Exposed Work Cover.....	7.46	3.51
26 05 33 16-0073 4" Steel Octagonal Concrete Rings And Steel Covers (26 05 33 16-0001)		
Note: Placed in concrete slabs or walls.		
26 05 33 16-0074 EA 2" Depth, 4" Steel Octagonal Concrete Ring.....	30.72	
26 05 33 16-0075 EA 2-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	32.56	
26 05 33 16-0076 EA 3" Depth, 4" Steel Octagonal Concrete Ring.....	34.08	
26 05 33 16-0077 EA 3-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	35.57	
26 05 33 16-0078 EA 4" Depth, 4" Steel Octagonal Concrete Ring.....	38.59	
26 05 33 16-0079 EA 5" Depth, 4" Steel Octagonal Concrete Ring.....	41.71	
26 05 33 16-0080 EA 6" Depth, 4" Steel Octagonal Concrete Ring.....	44.20	
26 05 33 16-0081 EA Flat, 4" Steel Octagonal Concrete Cover.....	8.27	3.51
26 05 33 16-0082 4-1/2" Steel Gang Boxes (26 05 33 16-0001)		
26 05 33 16-0083 EA 2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	27.10	8.76
26 05 33 16-0084 EA 3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	29.72	9.46
26 05 33 16-0085 EA 4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	35.48	10.52
26 05 33 16-0086 EA 5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	45.65	11.57
26 05 33 16-0087 EA 6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	66.34	12.62
26 05 33 16-0088 EA 2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	36.21	8.76
26 05 33 16-0089 EA 3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	39.42	9.46
26 05 33 16-0090 EA 4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	51.86	10.52
26 05 33 16-0091 EA 5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	66.02	11.57
26 05 33 16-0092 EA 6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	106.61	12.62
26 05 33 16-0093 EA 2 Device, Gang Box Mud Ring.....	11.75	3.51
26 05 33 16-0094 EA 3 Device, Gang Box Mud Ring.....	11.91	3.51
26 05 33 16-0095 EA 4 Device, Gang Box Mud Ring.....	13.66	3.51
26 05 33 16-0096 EA 5 Device, Gang Box Mud Ring.....	16.68	3.51
26 05 33 16-0097 EA 6 Device, Gang Box Mud Ring.....	23.29	3.51
26 05 33 16-0098 EA 2 Device, Gang Box Flat Cover.....	10.25	3.51
26 05 33 16-0099 EA 3 Device, Gang Box Flat Cover.....	11.89	3.51
26 05 33 16-0100 EA 4 Device, Gang Box Flat Cover.....	14.07	3.51
26 05 33 16-0101 EA 5 Device, Gang Box Flat Cover.....	16.85	3.51
26 05 33 16-0102 EA 6 Device, Gang Box Flat Cover.....	23.76	3.51
26 05 33 16-0103 Steel Switch Boxes (26 05 33 16-0001)		
26 05 33 16-0104 EA 2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	19.89	8.76
26 05 33 16-0105 EA 2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	20.14	8.76
26 05 33 16-0106 EA 3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	21.46	8.76
26 05 33 16-0107 EA 2-1/2" Depth, 2 Device, Stud Bracket, Steel Box.....	24.41	8.76
26 05 33 16-0108 EA 2-1/2" Depth, 3 Device, Stud Bracket, Steel Box.....	24.67	8.76
26 05 33 16-0109 EA 2-1/2" Depth, 4 Device, Stud Bracket, Steel Box.....	28.67	8.76
26 05 33 16-0110 4" x 2" Steel Handy Boxes, Extension Rings And Covers (26 05 33 16-0001)		
26 05 33 16-0111 EA 1-1/2" Deep, 4" x 2" Steel Handy Box.....	18.69	8.76
<i>For Stud Bracket, Add</i>	<i>1.42</i>	
26 05 33 16-0112 EA 1-7/8" Deep, 4" x 2" Steel Handy Box.....	18.96	8.76
<i>For Stud Bracket, Add</i>	<i>0.61</i>	
26 05 33 16-0113 EA 2-1/8" Deep, 4" x 2" Steel Handy Box.....	19.57	8.76
<i>For Stud Bracket, Add</i>	<i>0.83</i>	
26 05 33 16-0114 EA 1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring.....	12.17	5.26
26 05 33 16-0115 EA 1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring.....	11.90	5.26
26 05 33 16-0116 EA GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover.....	4.11	1.75

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0117 EA 1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	4.16	1.75
26 05 33 16-0118 EA Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	3.90	1.75
26 05 33 16-0119 EA Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover.....	3.92	1.75
26 05 33 16-0120 EA 1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	4.44	1.75
26 05 33 16-0121 EA Flat, 2" x 4" Steel Handy Box Exposed Work Cover	3.92	1.75
26 05 33 16-0122 3"-1/2" Depth, 3-3/4" Steel Masonry Boxes (26 05 33 16-0001)		
26 05 33 16-0123 EA 1 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	27.75	12.27
26 05 33 16-0124 EA 2 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	30.79	12.97
26 05 33 16-0125 EA 3 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	34.98	14.03
26 05 33 16-0126 EA 4 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	39.66	15.43
26 05 33 16-0127 Cast Boxes (26 05 33 16) Note: For flush or surface mount.		
26 05 33 16-0128 Cast Iron Alloy Boxes (26 05 33 16-0127) See CSI section 26 27 26 00-0246 for box covers.		
26 05 33 16-0129 Shallow, Single Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: Up to 2" deep boxes.		
26 05 33 16-0130 EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box..... Note: One hub.	62.38	21.05
26 05 33 16-0131 EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box..... Note: One hub.	66.74	24.55
26 05 33 16-0132 EA 1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box..... Note: One hub.	78.37	29.81
26 05 33 16-0133 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box	77.54	28.05
26 05 33 16-0134 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box	99.73	33.32
26 05 33 16-0135 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box	77.19	28.05
26 05 33 16-0136 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	92.92	33.32
26 05 33 16-0137 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box	79.38	28.05
26 05 33 16-0138 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box	92.95	33.32
26 05 33 16-0139 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	77.19	28.05
26 05 33 16-0140 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	90.25	33.32
26 05 33 16-0141 EA 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box	91.58	35.07
26 05 33 16-0142 EA 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box	108.23	42.09
26 05 33 16-0143 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	95.78	35.07
26 05 33 16-0144 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	124.25	42.09
26 05 33 16-0145 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box	98.52	35.07
26 05 33 16-0146 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box	117.66	42.09
26 05 33 16-0147 EA 1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	91.22	35.07
26 05 33 16-0148 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	119.52	42.09
26 05 33 16-0149 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box..... Note: Four hubs.	116.90	42.09
26 05 33 16-0150 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box..... Note: Four hubs.	141.02	50.85
26 05 33 16-0151 Deep, Single Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33 16-0152 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	65.47	21.05
26 05 33 16-0153 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	75.32	24.55
26 05 33 16-0154 EA 1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	88.28	29.81
26 05 33 16-0155 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box	83.19	28.05
26 05 33 16-0156 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box	95.83	33.32
26 05 33 16-0157 EA 1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box	115.10	40.34
26 05 33 16-0158 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box	103.54	33.32
26 05 33 16-0159 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	133.38	42.09



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0160		
Shallow, Two Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small>		
<small>Note: Up to 2" deep boxes.</small>		
26 05 33 16-0161 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box.....	75.61	22.80
<small>Note: One hub.</small>		
26 05 33 16-0162 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box.....	83.54	26.31
<small>Note: One hub.</small>		
26 05 33 16-0163 EA 1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box.....	96.82	31.56
<small>Note: One hub.</small>		
26 05 33 16-0164 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box.....	91.13	29.81
<small>Note: Two hubs.</small>		
26 05 33 16-0165 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box.....	103.24	35.07
<small>Note: Two hubs.</small>		
26 05 33 16-0166		
Deep, Two Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small>		
<small>Note: >2" deep boxes.</small>		
26 05 33 16-0167 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box.....	84.90	22.80
<small>Note: One hub.</small>		
26 05 33 16-0168 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box.....	92.28	26.31
<small>Note: One hub.</small>		
26 05 33 16-0169 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box.....	105.11	29.81
<small>Note: Two hubs.</small>		
26 05 33 16-0170 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box.....	118.01	35.07
<small>Note: Two hubs.</small>		
26 05 33 16-0171		
Cast Aluminum Boxes <small>(26 05 33 16-0127)</small>		
<small>See CSI section 26 27 26 00-0246 for box covers.</small>		
26 05 33 16-0172		
Shallow, Single Gang Cast Aluminum Boxes <small>(26 05 33 16-0171)</small>		
<small>Note: Up to 2" deep boxes.</small>		
26 05 33 16-0173 EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box.....	55.36	17.54
<small>Note: One hub.</small>		
26 05 33 16-0174 EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box.....	63.19	21.05
<small>Note: One hub.</small>		
26 05 33 16-0175 EA 1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box.....	69.57	26.31
<small>Note: One hub.</small>		
26 05 33 16-0176 EA 1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box.....	51.75	17.54
<small>Note: One hub.</small>		
26 05 33 16-0177 EA 3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box.....	65.73	21.05
<small>Note: One hub.</small>		
26 05 33 16-0178 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box.....	69.74	24.55
<small>Note: Two hubs.</small>		
26 05 33 16-0179 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box.....	83.72	29.81
<small>Note: Two hubs.</small>		
26 05 33 16-0180 EA 1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box.....	105.17	36.83
<small>Note: Two hubs.</small>		
26 05 33 16-0181 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box.....	76.01	24.55
<small>Note: Two hubs.</small>		
26 05 33 16-0182 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box.....	80.67	29.81
<small>Note: Two hubs.</small>		
26 05 33 16-0183 EA 1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box.....	72.44	24.55
<small>Note: Two hubs.</small>		
26 05 33 16-0184 EA 3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box.....	82.80	29.81
<small>Note: Two hubs.</small>		
26 05 33 16-0185 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box.....	70.14	24.55
<small>Note: Two hubs.</small>		
26 05 33 16-0186 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box.....	82.80	29.81
<small>Note: Two hubs.</small>		
26 05 33 16-0187 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box.....	64.82	24.55
<small>Note: Two hubs.</small>		
26 05 33 16-0188 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box.....	88.45	29.81
<small>Note: Two hubs.</small>		
26 05 33 16-0189 EA 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box.....	82.52	31.56
<small>Note: Three hubs.</small>		
26 05 33 16-0190 EA 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box.....	100.21	38.58
<small>Note: Three hubs.</small>		
26 05 33 16-0191 EA 1/2" Depth, Type FSXC, Shallow, Single Gang Cast Aluminum Box.....	88.03	31.56
<small>Note: Three hubs.</small>		
26 05 33 16-0192 EA 3/4" Depth, Type FSXC, Shallow, Single Gang Cast Aluminum Box.....	119.31	38.58
<small>Note: Three hubs.</small>		
26 05 33 16-0193 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box.....	87.57	31.56
<small>Note: Three hubs.</small>		
26 05 33 16-0194 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box.....	107.48	38.58
<small>Note: Three hubs.</small>		
26 05 33 16-0195 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box.....	109.12	38.58
<small>Note: Three hubs.</small>		
26 05 33 16-0196 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box.....	106.76	38.58
<small>Note: Four hubs.</small>		
26 05 33 16-0197 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box.....	130.26	47.35
<small>Note: Four hubs.</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0198 Deep, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0199 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	61.75	17.54
26 05 33 16-0200 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	73.97	21.05
26 05 33 16-0201 EA 1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	84.40	26.31
26 05 33 16-0202 EA 3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	79.81	21.05
26 05 33 16-0203 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	78.00	24.55
26 05 33 16-0204 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	93.87	29.81
26 05 33 16-0205 EA 1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	104.22	36.83
26 05 33 16-0206 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	95.22	29.81
26 05 33 16-0207 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box..... Note: Three hubs.	116.00	38.58
26 05 33 16-0208 Shallow, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0209 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	74.21	19.29
26 05 33 16-0210 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	84.83	22.80
26 05 33 16-0211 EA 1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	90.32	28.05
26 05 33 16-0212 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	92.28	26.31
26 05 33 16-0213 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	93.08	31.56
26 05 33 16-0214 EA 1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	115.07	38.58
26 05 33 16-0215 Deep, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0216 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box..... Note: One hub.	74.14	19.29
26 05 33 16-0217 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box..... Note: One hub.	85.70	22.80
26 05 33 16-0218 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box..... Note: Two hubs.	94.27	26.31
26 05 33 16-0219 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box..... Note: Two hubs.	106.44	31.56
26 05 33 16-0220 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box..... Note: Two hubs.	94.27	26.31
26 05 33 16-0221 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box..... Note: Two hubs.	106.44	31.56
26 05 33 16-0222 Shallow, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0223 EA 1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box..... Note: Two hubs.	98.85	28.05
26 05 33 16-0224 EA 3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box..... Note: Two hubs.	110.51	33.32
26 05 33 16-0225 Deep, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0226 EA 3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box..... Note: One hub.	114.32	24.55
26 05 33 16-0227 EA 1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box..... Note: One hub.	126.90	29.81
26 05 33 16-0228 Poke Thru Units (26 05 33 16)		
26 05 33 16-0229 Surface Poke Thru Units (26 05 33 16-0228) Note: Excludes concrete drilling.		
26 05 33 16-0230 EA Single 20 Amp Duplex Receptacle RC3 Power And Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	371.43	26.31
26 05 33 16-0231 EA Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements..... Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Wiremold RC3KTCAL.	236.91	
26 05 33 16-0232 EA Replacement 20 Amp Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC37REC.	30.73	7.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0233 EA Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC3APTCBK.	39.48	3.51
26 05 33 16-0234 EA Four 20 Amp Receptacles RC4 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	420.88	28.05
26 05 33 16-0235 EA Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	221.29	
26 05 33 16-0236 EA Replacement Two 20 Amp Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4REC2.	53.39	10.52
26 05 33 16-0237 EA Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC4APTCBK.	39.48	3.51
26 05 33 16-0238 EA Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit..... Note: Wiremold ABPLUG4.	116.55	7.02
26 05 33 16-0239 EA Four Jack RC9AMD Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	331.93	24.55
26 05 33 16-0240 EA Abandonment Plate For RC9 Series Communications Poke Thru Unit Note: Wiremold RC9APTCBK.	26.93	3.51
26 05 33 16-0241 EA Eight Jack AMD8 Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	330.35	24.55
26 05 33 16-0242 EA Communication Conduit Adapter For Poke Thru Units Note: Includes two conduit connections for communication systems. Wiremold COM75.	38.10	3.51
26 05 33 16-0243 Recessed Poke Thru Units <small>(26 05 33 16-0228)</small> Note: Excludes concrete drilling.		
26 05 33 16-0244 Evolution 6AT Poke Thru Units <small>(26 05 33 16-0243)</small> Note: Excludes concrete drilling.		
26 05 33 16-0245 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	635.86	28.05
26 05 33 16-0246 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	635.94	28.05
26 05 33 16-0247 EA Recessed Assembly With Surface Style Cover (Wiremold 6ATC)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	605.28	28.05
26 05 33 16-0248 EA Recessed Assembly With Flush Style Cover (Wiremold 6AT)..... Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	605.28	28.05
26 05 33 16-0249 EA Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	635.86	28.05
26 05 33 16-0250 EA Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA)..... Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	635.86	28.05
26 05 33 16-0251 EA Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2"-1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	579.39	28.05
26 05 33 16-0252 EA Recessed Assembly With Disposable Plate (Wiremold 6STC)..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	358.18	26.31
26 05 33 16-0253 EA Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	385.23	26.31
26 05 33 16-0254 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	387.91	26.31
26 05 33 16-0255 EA 6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS)..... Note: Nonmetallic sleeve attaches to structural decking and maintains 6"-6 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	106.12	14.03
26 05 33 16-0256 EA Surface Style Cover Assembly (Wiremold 6CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	258.78	7.02
26 05 33 16-0257 EA Flush Style Cover Assembly (Wiremold 6CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	258.78	7.02

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0258 EA Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2"-1 1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	214.42	7.02
26 05 33 16-0259 EA Tile Shim (Wiremold 6TS) Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	30.59	1.75
26 05 33 16-0260 EA Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	13.45	3.51
26 05 33 16-0261 EA Device Mounting Plate (Wiremold 6ACT8A) Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	15.86	3.51
26 05 33 16-0262 EA Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	13.38	3.51
26 05 33 16-0263 EA Device Mounting Plate (Wiremold 6DEC) Note: Device plate that will accept Decorator style devices such as 20A receptacles, GFCLs, 106 adapters or AVV devices. For use in the center compartment only. Devices supplied by others.	13.43	3.51
26 05 33 16-0264 EA Device Mounting Plate (Wiremold 6DP) Note: Device plate that will accept standard 20A duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	13.32	3.51
26 05 33 16-0265 EA Device Mounting Plate (Wiremold 6MAAP) Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	16.11	3.51
26 05 33 16-0266 EA Device Mounting Plate (Wiremold 6MAAP2A) Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	15.91	3.51
26 05 33 16-0267 EA Mosaic Mounting Plate (Wiremold 6MOS) Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	16.35	3.51
26 05 33 16-0268 EA Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	13.09	3.51
26 05 33 16-0269 EA Device Mounting Plate (Wiremold 6S2) Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	13.11	3.51
26 05 33 16-0270 EA Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	12.90	3.51
26 05 33 16-0271 EA Device Mounting Plate (Wiremold 6TRAC) Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	12.90	3.51
26 05 33 16-0272 EA 20AMP Duplex Receptacles (Wiremold 68REC) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	32.92	5.26
26 05 33 16-0273 EA Device Mounting Plate (Wiremold 68B) Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	11.63	3.51
26 05 33 16-0274 EA Device Mounting Plate (Wiremold 68MAAP) Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	11.98	3.51
26 05 33 16-0275 EA 20AMP Duplex Receptacles (Wiremold 68REC-25) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	109.52	6.32
26 05 33 16-0276 EA Device Mounting Plate (Wiremold 682A) Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	15.69	3.51
26 05 33 16-0277 EA Bottom Housing Assembly (Wiremold 5PHTA) Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	16.44	3.51
26 05 33 16-0278 EA Bottom Housing Assembly (Wiremold 5BLH) Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	16.97	3.51
26 05 33 16-0279 EA Bottom Housing Assembly (Wiremold 152CHA) Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	25.11	7.02
26 05 33 16-0280 EA Bottom Housing Assembly (Wiremold 575CHA) Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	28.34	8.76
26 05 33 16-0281 EA Bottom Housing Assembly (Wiremold 175CHA) Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	31.78	8.76
26 05 33 16-0282 EA Bottom Housing Assembly (Wiremold 1125CHA) Note: One-gang 1 1/4" trade size conduit housing assembly.	23.95	7.02
26 05 33 16-0283 EA Bottom Housing Assembly (Wiremold 1PHTA) Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	16.32	3.51
26 05 33 16-0284 EA Bottom Housing Assembly (Wiremold 1BLH) Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	16.32	3.51
26 05 33 16-0285 EA Bottom Housing Assembly (Wiremold 15FFHA) Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	17.31	3.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0286 EA Bottom Housing Assembly (Wiremold 1BHA)..... Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTH, and 1BLH plates.	17.97	3.51
26 05 33 16-0287 Evolution 8AT Poke Thru Units <small>(26 05 33 16-0243)</small> Note: Excludes concrete drilling.		
26 05 33 16-0288 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	839.28	28.05
26 05 33 16-0289 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	798.01	28.05
26 05 33 16-0290 EA Recessed Assembly With Surface Style Cover (Wiremold 8ATC)..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	790.24	28.05
26 05 33 16-0291 EA Recessed Assembly With Flush Style Cover (Wiremold 8AT) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	782.88	28.05
26 05 33 16-0292 EA Recessed Assembly With Disposable Plate (Wiremold 8STC)..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	467.38	26.31
26 05 33 16-0293 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	525.51	26.31
26 05 33 16-0294 EA 8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS) Note: Nonmetallic sleeve attaches to structural decking and maintains 8"-8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	128.81	14.03
26 05 33 16-0295 EA Surface Style Cover Assembly (Wiremold 8CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	280.19	7.02
26 05 33 16-0296 EA Flush Style Cover Assembly (Wiremold 8CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	280.19	7.02
26 05 33 16-0297 EA Tile Shim (Wiremold 8TS)..... Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	48.24	1.75
26 05 33 16-0298 EA Device Mounting Plate (Wiremold 8B) Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	13.97	3.51
26 05 33 16-0299 EA Device Mounting Plate (Wiremold 8DP) Note: Singlegang device plate that accepts standard 20A duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	14.06	3.51
26 05 33 16-0300 EA Device Mounting Plate (Wiremold 8DEC)..... Note: Singlegang device plate that will accept Decorator style devices such as 20A receptacles, GGCLs, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	14.16	3.51
26 05 33 16-0301 EA Device Mounting Plate (Wiremold 8ACT6A)..... Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	16.74	3.51
26 05 33 16-0302 EA Mosaic Mounting Plate (Wiremold 8MOS) Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	20.71	3.51
26 05 33 16-0303 EA Crestron Double Gang Plate (Wiremold 8CREST) Note: Device plate accepts Crestron double-gang decorator style devices.	20.68	3.51
26 05 33 16-0304 EA Device Mounting Plate (Wiremold 8S1) Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	13.49	3.51
26 05 33 16-0305 EA Device Mounting Plate (Wiremold 8S2) Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	13.68	3.51
26 05 33 16-0306 EA Device Mounting Plate (Wiremold 8TRAC)..... Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	13.49	3.51
26 05 33 16-0307 EA Device Mounting Plate (Wiremold 8SER) Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	13.49	3.51
26 05 33 16-0308 EA Device Mounting Plate (Wiremold 8MAAP) Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	20.35	3.51
26 05 33 16-0309 EA Device Mounting Plate (Wiremold 8AAP) Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	16.63	3.51
26 05 33 16-0310 EA 8" Divider (Wiremold 8DIV)..... Note: Divider allows for separation of services when required.	19.48	3.51
26 05 33 16-0311 EA Bottom Housing Assembly (Wiremold 22CHA)..... Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	25.11	7.02

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
26 05 33 23 Surface Raceways For Electrical Systems (26 05 33)**26 05 33 23-0001 Raceways (26 05 33 23)****26 05 33 23-0002 Wireway With Screw Cover (26 05 33 23-0001)**

Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.

26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover (26 05 33 23-0002)

26 05 33 23-0004	LF 2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover	13.11	3.21
	For Combination Hinged Screw Cover, Add	0.34	
	For Concrete Or Masonry Surface, Add	0.32	
26 05 33 23-0005	EA 2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover	12.05	4.81
	For Combination Hinged Screw Cover, Add	0.12	
26 05 33 23-0006	EA 2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover	14.43	6.00
	For Combination Hinged Screw Cover, Add	0.12	
26 05 33 23-0007	EA 2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover	29.58	11.22
	For Combination Hinged Screw Cover, Add	0.36	
26 05 33 23-0008	EA 2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover	43.77	11.22
	For Combination Hinged Screw Cover, Add	1.07	
26 05 33 23-0009	EA 2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover	64.44	15.97
	For Combination Hinged Screw Cover, Add	1.63	
26 05 33 23-0010	EA 2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover	72.19	17.63
	For Combination Hinged Screw Cover, Add	1.85	

26 05 33 23-0011 4" x 4", Wireway With Screw Cover (26 05 33 23-0002)

26 05 33 23-0012	LF 4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover	16.11	4.04
	For Combination Hinged Screw Cover, Add	0.40	
	For Concrete Or Masonry Surface, Add	0.40	
26 05 33 23-0013	LF 4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover	27.12	4.04
	For Combination Hinged Screw Cover, Add	0.96	
	For Concrete Or Masonry Surface, Add	0.40	
26 05 33 23-0014	EA 4" x 4", End Plate For Surface Mounted Wireway With Screw Cover	9.59	3.53
	For Combination Hinged Screw Cover, Add	0.13	
26 05 33 23-0015	EA 4" x 4", Coupling For Surface Mounted Wireway With Screw Cover	16.01	6.73
	For Combination Hinged Screw Cover, Add	0.13	
26 05 33 23-0016	EA 4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover	35.20	13.72
	For Combination Hinged Screw Cover, Add	0.39	
26 05 33 23-0017	EA 4" x 4", Elbow For Surface Mounted Wireway With Screw Cover	50.81	13.72
	For Combination Hinged Screw Cover, Add	1.17	
26 05 33 23-0018	EA 4" x 4", Tee For Surface Mounted Wireway With Screw Cover	71.03	17.82
	For Combination Hinged Screw Cover, Add	1.77	
26 05 33 23-0019	EA 4" x 4", Cross For Surface Mounted Wireway With Screw Cover	82.20	20.84
	For Combination Hinged Screw Cover, Add	2.03	

26 05 33 23-0020 6" x 6", Wireway With Screw Cover (26 05 33 23-0002)

26 05 33 23-0021	LF 6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover	23.42	4.81
	For Combination Hinged Screw Cover, Add	0.69	
	For Concrete Or Masonry Surface, Add	0.48	
26 05 33 23-0022	LF 6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover	42.72	4.81
	For Combination Hinged Screw Cover, Add	1.65	
	For Concrete Or Masonry Surface, Add	0.48	
26 05 33 23-0023	EA 6" x 6", End Plate For Surface Mounted Wireway With Screw Cover	11.77	3.85
	For Combination Hinged Screw Cover, Add	0.20	
26 05 33 23-0024	EA 6" x 6", Coupling For Surface Mounted Wireway With Screw Cover	20.11	8.01
	For Combination Hinged Screw Cover, Add	0.20	
26 05 33 23-0025	EA 6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover	47.73	15.97
	For Combination Hinged Screw Cover, Add	0.79	
26 05 33 23-0026	EA 6" x 6", Elbow For Surface Mounted Wireway With Screw Cover	64.21	15.97
	For Combination Hinged Screw Cover, Add	1.62	
26 05 33 23-0027	EA 6" x 6", Tee For Surface Mounted Wireway With Screw Cover	97.95	19.94
	For Combination Hinged Screw Cover, Add	2.91	
26 05 33 23-0028	EA 6" x 6", Cross For Surface Mounted Wireway With Screw Cover	107.02	23.09
	For Combination Hinged Screw Cover, Add	3.04	

26 05 33 23-0029 8" x 8", Wireway With Screw Cover (26 05 33 23-0002)

26 05 33 23-0030	LF 8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover	36.32	5.26
	For Combination Hinged Screw Cover, Add	1.29	
	For Concrete Or Masonry Surface, Add	0.52	
26 05 33 23-0031	LF 8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover	63.81	5.26
	For Combination Hinged Screw Cover, Add	2.67	
	For Concrete Or Masonry Surface, Add	0.52	
26 05 33 23-0032	EA 8" x 8", End Plate For Surface Mounted Wireway With Screw Cover	12.93	4.17
	For Combination Hinged Screw Cover, Add	0.23	
26 05 33 23-0033	EA 8" x 8", Coupling For Surface Mounted Wireway With Screw Cover	21.90	8.66
	For Combination Hinged Screw Cover, Add	0.23	
26 05 33 23-0034	EA 8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover	53.15	17.57
	For Combination Hinged Screw Cover, Add	0.90	
26 05 33 23-0035	EA 8" x 8", Elbow For Surface Mounted Wireway With Screw Cover	79.91	17.57
	For Combination Hinged Screw Cover, Add	2.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0036 EA 8" x 8", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	116.48 3.66	21.68
26 05 33 23-0037 EA 8" x 8", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	160.33 5.39	26.29
26 05 33 23-0038 10" x 10", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0039 LF 10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	51.86 1.98 0.61	6.09
26 05 33 23-0040 LF 10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	89.06 3.84 0.61	6.09
26 05 33 23-0041 EA 10" x 10", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	17.50 0.39	4.81
26 05 33 23-0042 EA 10" x 10", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	27.12 0.39	9.62
26 05 33 23-0043 EA 10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	68.39 1.51	19.11
26 05 33 23-0044 EA 10" x 10", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	121.49 4.16	19.11
26 05 33 23-0045 EA 10" x 10", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	180.95 6.64	24.11
26 05 33 23-0046 EA 10" x 10", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	254.02 9.98	27.25
26 05 33 23-0047 12" x 12", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0048 LF 12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	61.01 2.31 0.74	7.37
26 05 33 23-0049 LF 12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	98.40 4.18 0.74	7.37
26 05 33 23-0050 EA 12" x 12", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	22.31 0.60	5.13
26 05 33 23-0051 EA 12" x 12", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	32.57 0.60	10.26
26 05 33 23-0052 EA 12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	87.26 2.28	20.84
26 05 33 23-0053 EA 12" x 12", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	157.57 5.79	20.84
26 05 33 23-0054 EA 12" x 12", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	202.50 7.56	25.65
26 05 33 23-0055 EA 12" x 12", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	322.44 13.24	28.86
26 05 33 23-0056 Surface Metal Raceways <small>(26 05 33 23-0001)</small>		
Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
26 05 33 23-0057 One Piece Surface Metal Raceways <small>(26 05 33 23-0056)</small>		
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0058 3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500) <small>(26 05 33 23-0057)</small>		
Note: Available in ivory.		
26 05 33 23-0059 LF #500, 3/4" x 17/32" One Piece Surface Metal Raceway <i>For Concrete Or Masonry Surface, Add</i>	3.05 0.10	0.96
26 05 33 23-0060 EA #502 Bushing.....	2.84	1.28
26 05 33 23-0061 EA #504 One Or Two Hole Strap	2.87	1.28
26 05 33 23-0062 EA #506 Connection Cover	3.00	1.28
26 05 33 23-0063 EA #511 Flat 90 Degree Elbow	4.73	1.53
26 05 33 23-0064 EA #512 Flat 45 Degree Elbow	8.31	1.60
26 05 33 23-0065 EA #517 Adjustable Internal Elbow	5.90	1.93
26 05 33 23-0066 EA #518 Adjustable External Elbow	5.75	1.93
26 05 33 23-0067 3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700) <small>(26 05 33 23-0057)</small>		
Note: Available in ivory and white.		
26 05 33 23-0068 LF #700, 3/4" x 21/32" One Piece Surface Metal Raceway <i>For Concrete Or Masonry Surface, Add</i>	3.82 0.13	1.28
26 05 33 23-0069 EA #702 Bushing.....	2.92	1.28
26 05 33 23-0070 EA #704 One Or Two Hole Strap	3.03	1.28
26 05 33 23-0071 EA #706 Connection Cover	3.06	1.28
26 05 33 23-0072 EA #711 Flat 90 Degree Elbow	6.85	2.57
26 05 33 23-0073 EA #712 Flat 45 Degree Elbow	11.42	2.57
26 05 33 23-0074 EA #717 Adjustable Internal Elbow	7.48	2.57
26 05 33 23-0075 EA #718 Adjustable External Elbow	7.19	2.57

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 23-0076 One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings) (26 05 33 23-0057)

Note: Available in ivory.

26 05 33 23-0077	EA	#5700F 18" Flex Fitting, For #500 Or 700.....	22.94	1.93
26 05 33 23-0078	EA	#5701 Galvanized Coupling, For #500 Or 700.....	3.02	1.28
26 05 33 23-0079	EA	#5703 Supporting Clip, For #500 Or 700.....	3.02	1.28
26 05 33 23-0080	EA	#5709 Ground Clamp.....	9.53	1.93
26 05 33 23-0081	EA	#5709GC Grounding Connector.....	7.92	1.93
26 05 33 23-0082	EA	#5711 L Or R (Left Or Right) Twisted Internal Ell.....	8.82	2.57
26 05 33 23-0083	EA	#5715 Tee.....	9.78	3.21
26 05 33 23-0084	EA	#5719 Corner Box, 2-1/2" x 2-3/8" x 2-1/2".....	18.34	2.57
26 05 33 23-0085	EA	#57242 Utility Box For #500 Or #700.....	13.85	2.57
26 05 33 23-0086	EA	#5731 Blank Cover, 2-3/8" Diameter.....	7.35	1.60
26 05 33 23-0087	EA	#5733 Outlet Box, 3" Diameter.....	17.42	2.57
26 05 33 23-0088	EA	#5735 Distribution Box, 4-3/4" Square x 1-3/8" Deep.....	17.35	2.57
26 05 33 23-0089	EA	#5736 Blank Cover, 4-3/8".....	7.83	1.60
26 05 33 23-0090	EA	#5737 Extension Box/Open Base, 4-3/4" Diameter.....	15.66	2.57
26 05 33 23-0091	EA	#5737A Extension Box/Open Base, 5-1/2" Diameter.....	15.07	2.57
26 05 33 23-0092	EA	#5738 Fixture Box/Solid Base, 4-3/4" Diameter.....	15.21	2.57
26 05 33 23-0093	EA	#5738A Fixture Box/Solid Base, 5-1/2" Diameter.....	15.21	2.57
26 05 33 23-0094	EA	#5738AF Fan Box/Solid Base, 5-1/2" Diameter.....	17.35	2.57
26 05 33 23-0095	EA	#5739 Fixture Box/Solid Base, 6-3/8".....	17.12	2.57
26 05 33 23-0096	EA	#5739A Extension Box/Open Base, 6-3/8" Diameter.....	18.35	2.57
26 05 33 23-0097	EA	#57240 Standard Switch Box For #500, Or #700.....	20.12	4.17
26 05 33 23-0098	EA	#57243G Duplex Receptacle And Box, Ground, For #500 Or #700.....	31.19	8.01
26 05 33 23-0099	EA	#5741 Switch And Receptacle Box For Shallow Type Switches, 2-13/16" x 4-5/8" x 1-3/8".....	14.74	4.17
26 05 33 23-0100	EA	#5744 Extra Deep Switch And Receptacle Box, 1 Gang, 4-5/8" x 2-7/8" x 2-3/4".....	24.44	4.17
26 05 33 23-0101	EA	#5744-2 Extra Deep Switch And Receptacle Box, 2 Gang, 4-3/4" x 4-3/4" x 2-3/4".....	28.30	4.17
26 05 33 23-0102	EA	#5744-3 Extra Deep Switch And Receptacle Box, 3 Gang, 4-5/8" x 6-1/2" x 2-3/4".....	43.97	4.17
26 05 33 23-0103	EA	#5744S Signal Box 1 Gang.....	22.26	3.53
26 05 33 23-0104	EA	#5744S-2 Signal Box 2 Gang.....	25.03	3.53
26 05 33 23-0105	EA	#5744S-3 Signal Box 3 Gang.....	41.14	3.53
26 05 33 23-0106	EA	#5745 Combination Switch And Receptacle Box With 1/2" KO's, 4-5/8" x 2-7/8" x 1-3/4".....	15.47	4.17
26 05 33 23-0107	EA	#5747 Shallow Switch And Receptacle Box For Standard Shallow Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/8".....	13.37	4.17
26 05 33 23-0108	EA	#5747-2 Shallow Switch And Receptacle Box For Standard Shallow Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/8".....	19.60	4.17
26 05 33 23-0109	EA	#5747-3 Shallow Switch And Receptacle Box For Standard Shallow Devices, 3 Gang, 4-5/8" x 6-1/2" x 2-3/4".....	39.96	4.17
26 05 33 23-0110	EA	#5748 Switch And Receptacle Box For Deep Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4".....	14.43	4.17
26 05 33 23-0111	EA	#5748-2 Switch And Receptacle Box For Deep Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/4".....	20.86	4.17
26 05 33 23-0112	EA	#5748-3 Switch And Receptacle Box For Deep Devices, 3 Gang, 4-5/8" x 6-1/2" x 1-3/4".....	38.79	4.17
26 05 33 23-0113	EA	#5748-4 Switch And Receptacle Box For Deep Devices, 4 Gang, 4-5/8" x 8-11/32" x 1-3/4".....	58.51	4.17
26 05 33 23-0114	EA	#5748-5 Switch And Receptacle Box For Deep Devices, 5 Gang, 4-5/8" x 10-5/32" x 1-3/4".....	97.73	4.17
26 05 33 23-0115	EA	#5748-6 Switch And Receptacle Box For Deep Devices, 6 Gang, 4-5/8" x 11-31/32" x 1-3/4".....	99.49	4.17
26 05 33 23-0116	EA	#5748-S Shallow Switch And Receptacle Box For Shallow Duplex Devices, 4-3/8" x 2-7/8" x 15/16".....	14.22	4.17
26 05 33 23-0117	EA	#5751 Flush-Type Extension Adapter, 1 Gang, 4-5/8" x 2-7/8" x 15/16".....	13.78	4.17
26 05 33 23-0118	EA	#5751-2 Flush-Type Extension Adapter, 2 Gang, 4-3/4" x 4-3/4" x 15/16".....	18.97	4.17
26 05 33 23-0119	EA	#5751-3 Flush-Type Extension Adapter, 3 Gang, 4-5/8" x 6-1/2" x 15/16".....	39.18	4.17
26 05 33 23-0120	EA	#5751A Deep Flush-Type Extension Adapter, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4".....	15.05	4.17
26 05 33 23-0121	EA	#5752 Alarm Device Box, 2 Gang, 4-11/16" x 4-11/16" x 1-3/8".....	20.05	4.17
26 05 33 23-0122	EA	#5753 Extra Deep Alarm Device Box, 2 Gang, 4-11/16" x 4-11/16" x 2-3/4".....	29.75	4.17
26 05 33 23-0123	EA	#5760 Blank Extension Box.....	10.27	1.60
26 05 33 23-0124	EA	#5780 Special Nipple, 1/2".....	9.75	1.60
26 05 33 23-0125	EA	#5781 1/2" Box Connector.....	6.23	1.60
26 05 33 23-0126	EA	#5781A 3/4" Box Connector.....	12.27	1.93
26 05 33 23-0127	EA	#5782 1/2" Conduit Connector.....	6.30	1.60
26 05 33 23-0128	EA	#5782A 3/4" Conduit Connector.....	15.60	1.93
26 05 33 23-0129	EA	#5784 1/2" Elbow Conduit Connector.....	13.88	1.93
26 05 33 23-0130	EA	#5785 Combination Connector, To Any 3-1/4" Or 4" Outlet Box.....	7.32	1.93
26 05 33 23-0131	EA	#5786 Offset Connector.....	12.82	1.93
26 05 33 23-0132	EA	#5790B Armor Cable Connector.....	6.40	1.60
26 05 33 23-0133	EA	#5791 1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700.....	5.73	1.28

26 05 33 23-0134 1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) (26 05 33 23-0057)

Note: Galvanized finish.

26 05 33 23-0135	LF	#1500-10, 1-9/16" x 11/32" One Piece Surface Metal Raceway.....	5.52	1.60
		<i>For Concrete Or Masonry Surface, Add</i>	<i>0.16</i>	
26 05 33 23-0136	EA	#1500WC Wire Clip.....	3.33	1.28
26 05 33 23-0137	EA	#1502 Bushing.....	3.92	1.60
26 05 33 23-0138	EA	#1504 2-Hole Strap.....	4.39	1.93
26 05 33 23-0139	EA	#1511 Flat Elbow.....	17.48	6.09
26 05 33 23-0140	EA	#1517 Internal Elbow.....	18.13	6.09
26 05 33 23-0141	EA	#1517B Adapter Fitting.....	19.66	6.09
26 05 33 23-0142	EA	#1518 External Elbow.....	19.53	6.09
26 05 33 23-0143	EA	#1528 Utility Box.....	18.12	4.17
26 05 33 23-0144	EA	#1542D Junction Box.....	18.73	4.17
26 05 33 23-0145	EA	#1543GL Duplex Receptacle.....	36.76	8.01
26 05 33 23-0146	EA	#1546A Single Receptacle Box.....	19.33	4.17
26 05 33 23-0147	EA	#1546B Duplex Receptacle Box.....	23.98	4.17
26 05 33 23-0148	EA	#1546T Telephone Box.....	23.50	4.17
26 05 33 23-0149	EA	#1585 Combination Connection.....	11.39	1.93



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0150	2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) <small>(26 05 33 23-0057)</small>			
	Note: Galvanized finish.			
26 05 33 23-0151	LF #2600-10, 2-7/32" x 28/32" One Piece Surface Metal Raceway.....	9.43	2.89	
	<i>For Concrete Or Masonry Surface, Add</i>	0.29		
26 05 33 23-0152	EA #2600WC Wire Clip.....	3.45	1.28	
26 05 33 23-0153	EA #2602 Fiber Bushing.....	3.94	1.28	
26 05 33 23-0154	EA #2611 2-5/8 90 Degree Flat Elbow.....	15.45	2.25	
26 05 33 23-0155	EA #2642D Junction Box, 5" Diameter.....	23.21	3.21	
26 05 33 23-0156	EA #2686FO Service Fitting.....	22.35	3.85	
26 05 33 23-0157	Two Piece Surface Metal Raceways <small>(26 05 33 23-0056)</small>			
	Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).			
26 05 33 23-0158	1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000) <small>(26 05 33 23-0157)</small>			
26 05 33 23-0159	LF #2000BC, 1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Concrete.....	5.49	1.60	
	<i>For Concrete Or Masonry Surface, Add</i>	0.16		
26 05 33 23-0160	EA #2000WC Wire Clip.....	2.52	1.28	
26 05 33 23-0161	EA #2001 Coupling.....	6.50	1.60	
26 05 33 23-0162	EA #2003 Supporting Clip.....	3.42	0.96	
26 05 33 23-0163	EA #2006 Cover Clip.....	3.13	0.96	
26 05 33 23-0164	EA #2009 Ground Clamp.....	8.64	1.60	
26 05 33 23-0165	EA #2010A2 Entrance End Fitting.....	16.13	4.81	
26 05 33 23-0166	EA #2010A3 Entrance End Fitting.....	28.65	6.41	
26 05 33 23-0167	EA #2010B Blank End Fitting.....	4.09	1.60	
26 05 33 23-0168	EA #2011 Flat 90 Degree Elbow.....	13.84	4.17	
26 05 33 23-0169	EA #2015 Tee.....	26.33	6.03	
26 05 33 23-0170	EA #2017TC Internal Corner Coupling.....	8.56	3.21	
26 05 33 23-0171	EA #2048 Single Gang device Box.....	21.29	5.71	
26 05 33 23-0172	EA #2048-2 2-Gang device Box.....	35.18	6.35	
26 05 33 23-0173	EA #2051H Flush Plate Adapter.....	22.98	6.35	
26 05 33 23-0174	EA #2089 Side Reducing Connector.....	20.18	3.21	
26 05 33 23-0175	EA #2089E End Reducing Connector.....	8.16	1.60	
26 05 33 23-0176	1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400) <small>(26 05 33 23-0157)</small>			
	Note: Available in gray enamel (G) or ivory (V).			
26 05 33 23-0177	LF #2400B, 1-7/8" x 7/8" Two Piece Surface Metal Raceway Base.....	4.48	1.60	
	<i>For Concrete Or Masonry Surface, Add</i>	0.16		
26 05 33 23-0178	LF #2400BD, 1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base.....	4.99	1.60	
	<i>For Concrete Or Masonry Surface, Add</i>	0.16		
26 05 33 23-0179	LF #2400C Raceway Cover.....	1.94	0.32	
26 05 33 23-0180	EA #2400WC Wire Clip.....	2.49	1.28	
26 05 33 23-0181	EA #2401 Coupling.....	6.40	1.60	
26 05 33 23-0182	EA #2401D Divided Raceway Coupling.....	5.64	1.60	
26 05 33 23-0183	EA #2406 Cover Clip.....	3.09	0.96	
26 05 33 23-0184	EA #2407-2CM Device Bracket Frame.....	24.08	4.81	
26 05 33 23-0185	EA #2407-2TJ Device Bracket Frame.....	22.97	4.81	
26 05 33 23-0186	EA #2409 Ground Clamp.....	6.44	1.28	
26 05 33 23-0187	EA #2410A End Fitting.....	15.03	4.81	
26 05 33 23-0188	EA #2410B Blank End.....	4.08	1.60	
26 05 33 23-0189	EA #2410BD Divided Blank End Fitting.....	4.14	1.60	
26 05 33 23-0190	EA #2410C Entrance End Fitting.....	23.97	4.81	
26 05 33 23-0191	EA #2410D Divided Entrance End Fitting.....	22.90	4.81	
26 05 33 23-0192	EA #2410DFO Divided Entrance End Fitting.....	38.92	4.81	
26 05 33 23-0193	EA #2410FC Full Cap Entrance End Fitting.....	29.31	4.81	
26 05 33 23-0194	EA #2411D Divided Flat 90 Degree Elbow.....	17.11	4.81	
26 05 33 23-0195	EA #2411DFO RADIUS Divided Flat 90 Degree Elbow.....	28.71	4.81	
26 05 33 23-0196	EA #2411FO RADIUS Flat 90 Degree Elbow.....	25.50	4.74	
26 05 33 23-0197	EA #2411M Flat 90 Degree Elbow.....	16.21	4.81	
26 05 33 23-0198	EA #2415DFO RADIUS Divided Tee.....	30.97	4.74	
26 05 33 23-0199	EA #2415FO RADIUS Tee.....	29.35	4.74	
26 05 33 23-0200	EA #2415M Tee.....	19.63	4.74	
26 05 33 23-0201	EA #2417D Divided Internal Coupling.....	16.01	4.74	
26 05 33 23-0202	EA #2417DFO RADIUS Divided Internal Coupling.....	26.40	4.74	
26 05 33 23-0203	EA #2417FO RADIUS Internal Coupling.....	25.55	4.74	
26 05 33 23-0204	EA #2417M Internal Coupling.....	15.45	4.74	
26 05 33 23-0205	EA #2418DFO RADIUS Divided External Coupling.....	28.89	4.74	
26 05 33 23-0206	EA #2418FO RADIUS External Coupling.....	28.38	4.74	
26 05 33 23-0207	EA #2418M External Coupling.....	19.26	4.74	
26 05 33 23-0208	EA #2444 Extra Deep Switch And Receptacle, 1 Gang.....	26.36	4.17	
26 05 33 23-0209	EA #2444-2 Extra Deep Switch And Receptacle Box, 2 Gang.....	29.48	4.17	
26 05 33 23-0210	EA #2444-2LS Over Raceway Extra Deep Switch And Receptacle Box, 2 Gang.....	29.64	4.17	
26 05 33 23-0211	EA #2444D Divided Extra Deep Switch And Receptacle, 1 Gang.....	28.32	4.17	
26 05 33 23-0212	EA #2444D-2A Divided Extra Deep Switch And Receptacle Box, 2 Gang.....	40.78	4.17	
26 05 33 23-0213	EA #2444D-2N Divided Over Raceway Extra Deep Switch And Receptacle Box, 2 Gang.....	35.66	4.17	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0214	EA		#2448 Switch And Receptacle Box For Shallow Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4".....	17.87	4.17
26 05 33 23-0215	EA		#2448-2 Switch And Receptacle Box For Shallow Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/4".....	28.79	4.17
26 05 33 23-0216	EA		#2450 Adapter Plate, Device Bracket Type.....	8.70	1.60
26 05 33 23-0217	EA		#2451H 4-1/2" x 4-1/2" Back Feed Fitting.....	20.14	4.81
26 05 33 23-0218	EA		#2475D Bridge Fitting 2400/700/500.....	64.43	4.81
26 05 33 23-0219	EA		#2489 Side Reducing Connector.....	18.20	2.57
26 05 33 23-0220			2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000) <small>(26 05 33 23-0157)</small>		
			Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0221	LF		#3000B, 2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base.....	8.72	2.89
			<i>For Concrete Or Masonry Surface, Add</i>	0.29	
26 05 33 23-0222	LF		#3000CE Raceway Cover.....	2.17	0.32
26 05 33 23-0223	EA		#3000WC Wire Clips For Conductors.....	3.38	1.28
26 05 33 23-0224	EA		#3001 Couplings.....	8.60	1.28
26 05 33 23-0225	EA		#3001A Rigid Inside Coupling.....	8.87	1.60
26 05 33 23-0226	EA		#3003 Supporting Clip.....	6.43	1.60
26 05 33 23-0227	EA		#3006E Clip Cover.....	3.59	1.28
26 05 33 23-0228	EA		#3007C Device Brackets.....	9.50	2.57
26 05 33 23-0229	EA		#3008C C-Hanger.....	9.62	1.93
26 05 33 23-0230	EA		#3010AE Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors.....	21.96	6.09
26 05 33 23-0231	EA		#3010B Blank End Fittings.....	7.94	2.57
26 05 33 23-0232	EA		#3010C Entrance End Fitting For Connecting To Rigid Or Flexible Conduit.....	24.51	6.09
26 05 33 23-0233	EA		#3011E Flat 90 Degree Elbow.....	37.16	7.95
26 05 33 23-0234	EA		#3014C Wall Box Connector.....	25.87	8.01
26 05 33 23-0235	EA		#3015E Tee Fitting.....	51.36	9.94
26 05 33 23-0236	EA		#3017TCE Internal Corner Coupling.....	23.91	6.09
26 05 33 23-0237	EA		#3018AE External Corner.....	29.89	6.09
26 05 33 23-0238	EA		#3027AE Single Receptacle Cover, With Face Diameters Of 1.38"-1.4".....	20.85	6.09
26 05 33 23-0239	EA		#3028 Utility Box.....	36.51	6.09
26 05 33 23-0240	EA		#3033JE Single Receptacle Cover, With Face Diameters Of 1.56"-1.57".....	11.89	1.60
26 05 33 23-0241	EA		#3036HE Blank Cover.....	13.05	1.60
26 05 33 23-0242	EA		#3040CE Switch Cover.....	11.86	1.60
26 05 33 23-0243	EA		#3043BE Duplex Receptacle Cover.....	11.44	1.93
26 05 33 23-0244	EA		#3043GE 15 Amp, 125 Volt Duplex Grounding Receptacle And Cover.....	30.58	8.34
26 05 33 23-0245	EA		#3044-2 Extra Deep Switch And Receptacle Box, 2 Gang.....	41.32	6.09
26 05 33 23-0246	EA		#3046BE Duplex Receptacle Cover.....	11.85	1.93
26 05 33 23-0247	EA		#3046H-2 Tap Off Fitting.....	11.19	1.60
26 05 33 23-0248	EA		#3046KD Circuit Breaker Housing, 1-15/16" Deep x 6" Long.....	43.81	3.85
26 05 33 23-0249	EA		#3046KTSQ Circuit Breaker Housing, 2-3/4" Deep x 7-3/8" Long.....	106.26	3.85
26 05 33 23-0250	EA		#3046QOU Circuit Breaker Housing, 1-13/16" Deep x 7-3/8" Long.....	38.21	3.85
26 05 33 23-0251	EA		#3046S Bump Up Device Plate Cover, 1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide.....	41.31	3.85
26 05 33 23-0252	EA		#3046U Bump Up Device Plate Cover, 1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide.....	41.31	3.85
26 05 33 23-0253	EA		#3048R Rectangular Receptacle Cover.....	13.22	1.93
26 05 33 23-0254			4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) <small>(26 05 33 23-0157)</small>		
			Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0255	LF		#4000B-10, 4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base.....	10.95	2.89
			<i>For Concrete Or Masonry Surface, Add</i>	0.31	
26 05 33 23-0256	LF		#4000C Raceway Cover.....	4.02	0.32
26 05 33 23-0257	LF		#4000D Divider.....	1.89	0.32
26 05 33 23-0258	EA		#4000WC Wire Clips For Conductors.....	4.28	1.60
26 05 33 23-0259	EA		#4001A Couplings.....	10.98	1.93
26 05 33 23-0260	EA		#4001D Divider Clip.....	4.97	1.93
26 05 33 23-0261	EA		#4006 Seam Clip.....	5.07	1.93
26 05 33 23-0262	EA		#4007C-1 Device Plate, 1 Gang.....	55.08	4.17
26 05 33 23-0263	EA		#4007C-1R Single Device Fitting.....	58.43	4.17
26 05 33 23-0264	EA		#4007C-2 Device Plate, 2 Gang.....	62.38	4.17
26 05 33 23-0265	EA		#4010B Blank End Fittings.....	11.85	2.57
26 05 33 23-0266	EA		#4010DFO Entrance End Fitting.....	45.50	9.88
26 05 33 23-0267	EA		#4011 Flat 90 Degree Elbow.....	42.74	8.01
26 05 33 23-0268	EA		#4011FO Radiused Flat 90 Degree Elbow.....	51.02	8.01
26 05 33 23-0269	EA		#4012TX Internal Or External 45 Degree Elbow.....	46.10	9.94
26 05 33 23-0270	EA		#4014A Wall Box Connector.....	62.66	9.94
26 05 33 23-0271	EA		#4015 Tee Fitting.....	69.94	9.94
26 05 33 23-0272	EA		#4015D Divided Tee Fitting.....	72.86	9.94
26 05 33 23-0273	EA		#4015DFO Radiused Full Capacity Divided Tee Fitting.....	87.73	9.94
26 05 33 23-0274	EA		#4015FO Radiused Tee Fitting.....	88.01	9.94
26 05 33 23-0275	EA		#4017 Internal Elbow.....	36.77	9.94
26 05 33 23-0276	EA		#4017FO Internal Elbow.....	68.65	9.94
26 05 33 23-0277	EA		#4017N Inverted Internal Elbow.....	41.15	9.94
26 05 33 23-0278	EA		#4017TCA Internal Corner Coupling.....	34.45	9.94
26 05 33 23-0279	EA		#4018 External Elbow.....	56.69	9.94
26 05 33 23-0280	EA		#4018FO Radiused External Elbow.....	66.38	9.94
26 05 33 23-0281	EA		#4046ARJ Single Locking Receptacle And Two RJ11/45 Modular Connectors Outlet Cover.....	57.74	4.17
26 05 33 23-0282	EA		#4046B-2 Double Duplex Receptacle Outlet Cover.....	61.32	4.17
26 05 33 23-0283	EA		#4046DRJ Duplex Receptacle And Two RJ11/45 Modular Connector Cover.....	61.32	4.17
26 05 33 23-0284	EA		#4046DRJ-2 Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover.....	82.51	4.17
26 05 33 23-0285	EA		#4046H-2 Tap-Off Fitting.....	16.07	4.17



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0286	EA		#4046JRJ Combination Single Receptacle And Phone Outlet Center.....	53.25	1.93
26 05 33 23-0287	EA		#4046RRJ Rectangular Receptacle And Two RJ11/45 Modular Connector Cover	62.80	4.17
26 05 33 23-0288	EA		#4050 Device Mounting Bracket.....	18.65	4.17
26 05 33 23-0289	EA		#4074A Take-off Connector, #4000 To #3000.....	89.13	9.94
26 05 33 23-0290	EA		#4075D Bridge Fitting.....	79.95	9.94
26 05 33 23-0291	EA		#4075DA Bridge Fitting.....	79.95	9.94
26 05 33 23-0292	EA		#4086A Panel Connector.....	60.18	18.92
26 05 33 23-0293	EA		#4089 Reducing Connector Fitting.....	37.68	9.94
26 05 33 23-0294			4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) (26 05 33 23-0157)		
			Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0295	LF		#6000B-10, 4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base	16.32	3.53
			<i>For Concrete Or Masonry Surface, Add</i>	0.35	
26 05 33 23-0296	LF		#6000C Raceway Cover.....	4.77	0.96
26 05 33 23-0297	LF		#6000DA Divider.....	5.10	0.96
26 05 33 23-0298	EA		#6000WC Wire Clips For Conductors.....	5.00	1.60
26 05 33 23-0299	EA		#6001A Couplings.....	13.32	3.21
26 05 33 23-0300	EA		#6001D Divider Clip.....	6.24	1.60
26 05 33 23-0301	EA		#6001TX Converter Coupling.....	17.37	4.17
26 05 33 23-0302	EA		#6006 Connection Cover.....	16.41	4.17
26 05 33 23-0303	EA		#6007C-1 Single Gang Device Plate.....	17.28	4.17
26 05 33 23-0304	EA		#6007C-2 Two Gang Device Plate.....	19.07	4.17
26 05 33 23-0305	EA		#6008A C-Hanger.....	27.69	6.09
26 05 33 23-0306	EA		#6010B Blank End Fittings.....	28.73	9.62
26 05 33 23-0307	EA		#6011TX Combination Flat Elbow.....	57.08	9.62
26 05 33 23-0308	EA		#6012TX Internal - External 45 Degree Elbow.....	58.25	9.24
26 05 33 23-0309	EA		#6014A Connector Fitting.....	84.33	9.94
26 05 33 23-0310	EA		#6017TX Combination Internal-External Elbow.....	58.78	10.90
26 05 33 23-0311	EA		#6046KD Circuit Breaker Housing.....	105.43	10.90
26 05 33 23-0312	EA		#6074 Take-off Connector, #6000 To #6000.....	102.08	9.62
26 05 33 23-0313	EA		#6074A Take-off Connector, #6000 To #4000.....	110.74	9.62
26 05 33 23-0314	EA		#6086 Panel Connector.....	60.94	22.32
26 05 33 23-0315			Two Piece Surface Aluminum Raceways (26 05 33 23-0056)		
			Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0316			1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) (26 05 33 23-0315)		
26 05 33 23-0317	LF		#AL2000B, 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base.....	7.20	1.60
			<i>For Concrete Or Masonry Surface, Add</i>	0.16	
26 05 33 23-0318	LF		#AL2000C Aluminum Raceway Cover.....	3.80	0.32
26 05 33 23-0319	EA		#AL2000WC Wire Clip.....	3.41	1.28
26 05 33 23-0320	EA		#AL2001 Coupling.....	7.17	1.60
26 05 33 23-0321	EA		#AL2003 Supporting Clip.....	3.72	0.96
26 05 33 23-0322	EA		#AL2006 Cover Clip.....	4.84	0.96
26 05 33 23-0323	EA		#AL2009 Ground Clamp.....	6.82	1.60
26 05 33 23-0324	EA		#AL2010A Entrance End Fitting.....	18.90	4.81
26 05 33 23-0325	EA		#AL2010B Blank End Fitting.....	6.10	1.60
26 05 33 23-0326	EA		#AL2011 Flat 90 Degree Elbow.....	22.54	4.17
26 05 33 23-0327	EA		#AL2015 Tee.....	30.38	6.03
26 05 33 23-0328	EA		#AL2017 Internal Corner Elbow.....	20.66	3.21
26 05 33 23-0329	EA		#AL2018 External Corner Elbow.....	20.62	3.21
26 05 33 23-0330	EA		#AL2043 In-Line Receptacle, Two 15 Amp.....	33.19	6.35
26 05 33 23-0331	EA		#AL2038 4-13/16" Round Fixture Box.....	80.95	5.71
26 05 33 23-0332	EA		#AL2044 4-1/2" x 3" x 2-1/4" D Box.....	34.56	5.71
26 05 33 23-0333	EA		#AL2044-2 4-5/8" x 4-7/8" x 2-1/2" D Box.....	74.06	6.35
26 05 33 23-0334	EA		#AL2047 Single Gang Shallow Device Box.....	35.88	5.71
26 05 33 23-0335	EA		#AL2047-2 2-Gang Shallow Device Box.....	65.14	6.35
26 05 33 23-0336	EA		#AL2051H Flush Plate Adapter.....	26.27	6.35
26 05 33 23-0337			2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400) (26 05 33 23-0315)		
26 05 33 23-0338	LF		#AL2400B, 2" x 1-9/32" Two Piece Surface Aluminum Raceway Base.....	8.01	1.60
			<i>For Concrete Or Masonry Surface, Add</i>	0.16	
26 05 33 23-0339	LF		#AL2400C Aluminum Raceway Cover.....	3.83	0.32
26 05 33 23-0340	EA		#AL2400WC Wire Clip.....	4.74	1.28
26 05 33 23-0341	EA		#AL2401 Coupling.....	8.43	1.60
26 05 33 23-0342	EA		#AL2406 Cover Clip.....	6.27	0.96
26 05 33 23-0343	EA		#AL2409 Ground Clamp.....	5.47	1.28
26 05 33 23-0344	EA		#AL2410B Blank End.....	6.71	1.60
26 05 33 23-0345	EA		#AL2410B2 End Fitting.....	13.87	4.81
26 05 33 23-0346	EA		#AL2411 Flat 90 Degree Elbow.....	26.80	4.81
26 05 33 23-0347	EA		#AL2415 Tee.....	29.39	4.74
26 05 33 23-0348	EA		#AL2416 Fourway Fitting.....	34.85	4.74
26 05 33 23-0349	EA		#AL2417 Internal Coupling.....	26.70	4.74
26 05 33 23-0350	EA		#AL2418 External Coupling.....	28.89	4.74

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0351 EA #AL2451H 4-1/2" x 4-1/2" Back Feed Fitting.....	23.72	4.81
26 05 33 23-0352 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0353 LF #AL3300B, 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base.....	13.78	2.89
<i>For Concrete Or Masonry Surface, Add</i>	0.29	
26 05 33 23-0354 LF #AL3300CE Aluminum Raceway Cover	4.28	0.32
26 05 33 23-0355 LF #AL3300D Raceway Divider	3.51	2.89
26 05 33 23-0356 EA #AL3300WC Wire Clips For Conductors.....	6.71	1.28
26 05 33 23-0357 EA #AL3301 Couplings.....	11.74	1.28
26 05 33 23-0358 EA #AL3301D Divider Coupling.....	10.10	1.60
26 05 33 23-0359 EA #AL3309 Ground Clamp	6.71	1.28
26 05 33 23-0360 EA #AL3310B Blank End Fittings	13.99	2.57
26 05 33 23-0361 EA #AL3310B1 End Fitting	21.95	6.09
26 05 33 23-0362 EA #AL3311 Flat 90 Degree Elbow	71.05	7.95
Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0363 EA #AL3315 Tee Fitting.....	81.16	9.94
Note: Includes three (3) AL3301 couplings.		
26 05 33 23-0364 EA #AL3316 Cross Fitting	92.33	9.94
Note: Includes four (4) AL3301 couplings.		
26 05 33 23-0365 EA #AL3317 Internal Elbow.....	67.13	6.09
Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0366 EA #AL3318 External Elbow.....	67.21	6.09
Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0367 EA #AL3346D Duplex Receptacle Cover	14.66	1.93
26 05 33 23-0368 EA #AL3346E Single Receptacle Cover.....	14.56	1.93
26 05 33 23-0369 EA #AL3346G GFCI/ Surge Receptacle Cover	14.40	1.93
26 05 33 23-0370 EA #AL3356R Single Device Cover Plate	14.55	1.60
26 05 33 23-0371 5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0372 LF #AL5200B-10, 5" x 2" Two Piece Surface Aluminum Raceway Base.....	16.65	2.89
<i>For Concrete Or Masonry Surface, Add</i>	0.31	
26 05 33 23-0373 LF #AL5200C Aluminum Raceway Cover.....	7.03	0.32
26 05 33 23-0374 LF #AL5200D Divider.....	4.09	0.32
26 05 33 23-0375 EA #AL5200WC Wire Clips For Conductors.....	5.53	1.60
26 05 33 23-0376 EA #AL5200WC2 Wire Clips For Conductors.....	4.60	1.60
26 05 33 23-0377 EA #AL5200WC3 Wire Clips For Conductors.....	4.57	1.60
26 05 33 23-0378 EA #AL5201 Couplings.....	10.52	1.93
26 05 33 23-0379 EA #AL5206 Cover Clip.....	9.50	1.93
26 05 33 23-0380 EA #AL5209 Ground Adapter	11.69	1.93
26 05 33 23-0381 EA #AL5210B Blank End Fittings	12.48	2.57
26 05 33 23-0382 EA #AL5210B1 Blank End Fittings	13.44	2.57
26 05 33 23-0383 EA #AL5210B2 Blank End Fittings	13.66	2.57
26 05 33 23-0384 EA #AL5210B3 Blank End Fittings	13.22	2.57
26 05 33 23-0385 EA #AL5211 Flat 90 Degree Elbow	70.53	8.01
Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0386 EA #AL5214 Wall Box Connector.....	54.47	9.94
26 05 33 23-0387 EA #AL5215 Tee Fitting.....	82.38	9.94
Note: Includes three (3) pairs of AL5201 couplings.		
26 05 33 23-0388 EA #AL5216 Four Way Fitting	90.64	9.94
Note: Includes four (4) pairs of AL5201 couplings.		
26 05 33 23-0389 EA #AL5217 Internal Elbow.....	72.77	9.94
Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0390 EA #AL5217A Internal Corner Coupling	29.29	9.94
26 05 33 23-0391 EA #AL5217N Inverted Internal Elbow	74.87	9.94
26 05 33 23-0392 EA #AL5218 External Elbow.....	73.42	9.94
Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0393 EA #AL5246B Blank Device Cover Plate.....	15.80	1.93
26 05 33 23-0394 EA #AL5246D Receptacle Device Cover Plate	18.82	1.93
26 05 33 23-0395 EA #AL5246DD Double Receptacle Device Cover Plate.....	22.44	1.93
26 05 33 23-0396 EA #AL5246F Device Cover Plate.....	21.01	1.93
26 05 33 23-0397 EA #AL5246G Device Cover Plate.....	19.36	1.93
26 05 33 23-0398 EA #AL5260 Offset Divider.....	17.75	4.17
26 05 33 23-0399 3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0400 LF #ALA3800B-10 Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base	15.60	2.89
26 05 33 23-0401 EA #ALA3806 Cover Clip	7.23	1.93
26 05 33 23-0402 EA #ALA3810B Blank End Fittings.....	13.10	2.57
26 05 33 23-0403 EA #ALA3810B1 Entrance End Cap Fittings.....	14.17	2.57
26 05 33 23-0404 EA #ALA3811 Flat 90 Degree Elbow.....	75.29	8.01
Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0405 EA #ALA3815 Flat Tee Fitting	76.82	9.94
Note: Includes three (3) ALA01 couplings.		
26 05 33 23-0406 EA #ALA3817 Internal Elbow	74.77	9.94
Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0407 EA #ALA3817N Inverted Internal Elbow.....	88.93	9.94
Note: Includes two (2) ALA01 couplings.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0408 EA #ALA3818 External Elbow Note: Includes two (2) ALA01 couplings.	75.82	9.94
26 05 33 23-0409 6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0410 LF #ALA4800B-10 Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base	24.89	2.89
26 05 33 23-0411 EA #ALA4806 Cover Clip	10.49	1.93
26 05 33 23-0412 EA #ALA4810B Blank End Fittings.....	13.71	2.57
26 05 33 23-0413 EA #ALA4810B2 Entrance End Cap Fittings.....	15.40	2.57
26 05 33 23-0414 EA #ALA4811 Flat 90 Degree Elbow..... Note: Includes four (4) ALA01 couplings.	93.54	8.01
26 05 33 23-0415 EA #ALA4815 Flat Tee Fitting Note: Includes six (6) ALA01 couplings.	128.53	9.94
26 05 33 23-0416 EA #ALA4817 Internal Elbow Note: Includes four (4) ALA01 couplings.	85.21	9.94
26 05 33 23-0417 EA #ALA4817N Inverted Internal Elbow..... Note: Includes four (4) ALA01 couplings.	101.17	9.94
26 05 33 23-0418 EA #ALA4818 External Elbow Note: Includes four (4) ALA01 couplings.	89.70	9.94
26 05 33 23-0419 Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0420 LF #ALAC-5 3" Wide Aluminum Raceway Cover..... Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.	5.38	0.32
26 05 33 23-0421 EA #ALAWC Wire Clips.....	4.67	1.60
26 05 33 23-0422 EA #ALA01 Slide Couplings	11.45	1.93
26 05 33 23-0423 EA #ALA09 Grounding Adapter.....	9.57	1.93
26 05 33 23-0424 EA #ALA11RI Bend Radius Control Insert For Flat Elbow	25.95	8.01
26 05 33 23-0425 EA #ALA17A Internal Corner Coupling.....	30.79	9.94
26 05 33 23-0426 EA #ALA17/18RI Bend Radius Control Insert For Internal And External Elbow	29.33	8.01
26 05 33 23-0427 EA #ALA-BL Blank Cover Plate.....	12.93	1.93
26 05 33 23-0428 EA #ALA-DR Duplex Receptacle Cover Plate	13.85	1.93
26 05 33 23-0429 EA #ALA-E Single Receptacle Cover Plate, 1.40" Diameter Opening.....	14.46	1.93
26 05 33 23-0430 EA #ALA-F Single Receptacle Cover Plate, 1.59" Diameter Opening.....	15.05	1.93
26 05 33 23-0431 EA #ALA-G GFCI/Surge/Decorator Cover Plate.....	13.97	1.93
26 05 33 23-0432 EA #ALA-J Single Receptacle Cover Plate, 2.13" Diameter Opening	14.47	1.93
26 05 33 23-0433 EA #ALA-N Toggle Switch Cover Plate	14.87	1.93
26 05 33 23-0434 EA #ALA-LPB Active LPB Cover Plate	19.34	1.93
26 05 33 23-0435 EA #ALA-MAB Active MAB Cover Plate.....	18.12	1.93
26 05 33 23-0436 EA #ALA-MABRT Ortronics Cover Plate.....	21.04	1.93
26 05 33 23-0437 EA #ALA-SG 1-3/4" x 2-3/4" Cover Plate	14.33	1.93
26 05 33 23-0438 EA #ALA-2A Active 2A Cover Plate.....	20.29	1.93
26 05 33 23-0439 EA #ALA-ABRT Ortronics Communications Cover Plate	18.48	1.93
26 05 33 23-0440 EA #ALA-Z 3/4" Grommet/Mousehole Cover Plate	14.83	1.93
26 05 33 23-0441 EA #ALA-LPB3S2 Ortronics Low Profile Cover Plate.....	18.66	1.93
26 05 33 23-0442 Surface Metal Raceway, Preassembled With Outlets <small>(26 05 33 23-0056)</small> Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0443 LF Plugmold #2000, 3' With Outlets 6" On Center, Single Circuit..... <i>For Concrete Or Masonry Surface, Add</i>	19.33 0.51	5.12
26 05 33 23-0444 LF Plugmold #2000, 6' With Outlets 6" On Center, Single Circuit..... <i>For Concrete Or Masonry Surface, Add</i>	15.18 0.37	3.65
26 05 33 23-0445 LF Plugmold #2000, 6' With Outlets 9" On Center, Single Circuit..... <i>For Concrete Or Masonry Surface, Add</i>	14.03 0.38	3.86
26 05 33 23-0446 LF Plugmold #2000, 6' With Outlets 12" On Center, Single Circuit..... <i>For Concrete Or Masonry Surface, Add</i>	15.86 0.37	3.65
26 05 33 23-0447 LF Plugmold #2000, 6' With Outlets 18" On Center, Single Circuit..... <i>For Concrete Or Masonry Surface, Add</i>	12.36 0.37	3.72
26 05 33 23-0448 LF Plugmold #2000, 6' With Outlets 9" On Center, Two Circuits	18.08	3.65
26 05 33 23-0449 LF Plugmold #2000, 6' With Outlets 12" On Center, Two Circuits	15.65	3.65
26 05 33 23-0450 LF Plugmold #2000, 6' With Outlets 18" On Center, Two Circuits	17.11	3.65
26 05 33 23-0451 Surface Non-Metallic Raceways <small>(26 05 33 23-0001)</small> Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
26 05 33 23-0452 One Piece Surface Non-Metallic Raceways <small>(26 05 33 23-0451)</small> Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).		
26 05 33 23-0453 #400, 7/8" x 7/16" <small>(26 05 33 23-0452)</small>		
26 05 33 23-0454 LF #400BAC, 7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover..... <i>For Concrete Or Masonry Surface, Add</i>	4.61 0.13	1.28
26 05 33 23-0455 EA #400WC Wire Clip	3.00	1.28

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0456	EA		#406 Cover Clip.....	3.27	1.28
26 05 33 23-0457	EA		#410B Blank End Clip.....	6.13	2.57
26 05 33 23-0458	EA		#411 Flat 90 Degree Elbow.....	7.83	2.57
26 05 33 23-0459	EA		#415 Tee.....	9.88	3.21
26 05 33 23-0460	EA		#417 Internal Elbow.....	7.61	2.57
26 05 33 23-0461	EA		#418 External Elbow.....	7.61	2.57
26 05 33 23-0462			#800, 1-5/16" x 7/16" <small>(26 05 33 23-0452)</small>		
26 05 33 23-0463	LF		#800BAC, 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover.....	4.94	1.28
			<i>For Concrete Or Masonry Surface, Add</i>	0.13	
26 05 33 23-0464	EA		#800WC Wire Clip.....	2.96	1.28
26 05 33 23-0465	EA		#806 Cover Clip.....	3.05	1.28
26 05 33 23-0466	EA		#810A2 Entrance End Fitting.....	10.40	2.57
26 05 33 23-0467	EA		#810B Blank End Fitting.....	5.98	2.57
26 05 33 23-0468	EA		#811 Flat 90 Degree Elbow.....	7.26	2.57
26 05 33 23-0469	EA		#815 Tee.....	9.13	3.21
26 05 33 23-0470	EA		#817 Internal Elbow.....	7.08	2.57
26 05 33 23-0471	EA		#818 External Elbow.....	7.08	2.57
26 05 33 23-0472	EA		#889A End Reducer, #800 To #400.....	8.28	2.57
26 05 33 23-0473			#2300, 2-1/4" x 11/16" <small>(26 05 33 23-0452)</small>		
26 05 33 23-0474	LF		#2300BAC, 2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover.....	5.87	1.28
			<i>For Concrete Or Masonry Surface, Add</i>	0.13	
26 05 33 23-0475	LF		#2300BACD, 2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover.....	6.32	1.28
			<i>For Concrete Or Masonry Surface, Add</i>	0.13	
26 05 33 23-0476	EA		#2300WC Wire Clip.....	3.16	1.28
26 05 33 23-0477	EA		#2306 Cover Clip.....	3.39	1.28
26 05 33 23-0478	EA		#2310A Entrance End Fitting.....	11.49	2.57
26 05 33 23-0479	EA		#2310B Blank End Fitting.....	6.42	2.57
26 05 33 23-0480	EA		#2310DFO Divided Entrance End Fitting.....	13.22	2.57
26 05 33 23-0481	EA		#2311 Flat 90 Degree Elbow.....	7.44	2.57
26 05 33 23-0482	EA		#2311DFO Divided Flat 90 Degree Elbow.....	8.17	2.57
26 05 33 23-0483	EA		#2315 Tee.....	9.24	3.21
26 05 33 23-0484	EA		#2317 Internal Elbow.....	7.44	2.57
26 05 33 23-0485	EA		#2317DFO Divided Internal Elbow.....	8.19	2.57
26 05 33 23-0486	EA		#2318 External Elbow.....	7.46	2.57
26 05 33 23-0487	EA		#2318DFO Divided External Elbow.....	8.32	2.57
26 05 33 23-0488	EA		#2389 End Reducer, #2300 To #400.....	8.33	2.57
26 05 33 23-0489	EA		#2389A End Reducer, #2300 To #800.....	8.80	2.57
26 05 33 23-0490			#400, #800 Or #2300 Fittings <small>(26 05 33 23-0452)</small>		
26 05 33 23-0491	EA		#2336 Blank Cover, 4-1/2" Diameter.....	9.84	2.25
26 05 33 23-0492	EA		#2337A Extension Box, 5-1/2" Diameter.....	17.16	2.57
26 05 33 23-0493	EA		#2338-A Fixture Box, 5-1/2" Diameter.....	17.27	2.57
26 05 33 23-0494	EA		#2344 Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide.....	15.35	2.57
26 05 33 23-0495	EA		#2344-2 Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide.....	18.16	2.57
26 05 33 23-0496	EA		#2344D Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide.....	16.94	2.57
26 05 33 23-0497	EA		#2344SD-2A Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide.....	18.60	2.57
26 05 33 23-0498	EA		#2347 1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide.....	13.84	4.17
26 05 33 23-0499	EA		#2347-2 2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide.....	16.31	4.17
26 05 33 23-0500	EA		#2348 1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide.....	14.56	4.17
26 05 33 23-0501	EA		#2348-2 2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide.....	18.30	4.17
26 05 33 23-0502	EA		#2348-3 3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide.....	22.63	4.17
26 05 33 23-0503	EA		#2348AMP 1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide.....	21.25	4.17
26 05 33 23-0504	EA		#2348D 1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide.....	18.89	4.17
26 05 33 23-0505	EA		#2348S/51 Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide.....	13.47	4.17
26 05 33 23-0506			#2700, 3/4" x 3/8" <small>(26 05 33 23-0452)</small>		
26 05 33 23-0507	LF		#2700, 3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover.....	3.93	1.28
			<i>For Concrete Or Masonry Surface, Add</i>	0.13	
26 05 33 23-0508	EA		#2700WC 3/4" Wire Clip.....	1.57	0.64
26 05 33 23-0509	EA		#2706 Cover Clip.....	2.73	0.64
26 05 33 23-0510	EA		#2710B Blank End.....	4.01	1.28
26 05 33 23-0511	EA		#2711 Flat 90 Degree Elbow.....	4.68	1.60
26 05 33 23-0512	EA		#2715 Tee.....	7.26	2.89
26 05 33 23-0513	EA		#2717 Internal Elbow.....	5.32	1.93
26 05 33 23-0514	EA		#2718 External Elbow.....	5.31	1.93
26 05 33 23-0515	EA		#2786 Drop Ceiling Connector.....	6.30	2.25
26 05 33 23-0516			#2800, 1" x 1/2" <small>(26 05 33 23-0452)</small>		
26 05 33 23-0517	LF		#2800, 1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover.....	4.95	1.60
			<i>For Concrete Or Masonry Surface, Add</i>	0.16	
26 05 33 23-0518	EA		#2800WC 1" Wire Clip.....	2.31	0.96
26 05 33 23-0519	EA		#2806 Cover Clip.....	3.34	0.96
26 05 33 23-0520	EA		#2810B Blank End.....	4.62	1.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0521 EA #2811 Flat 90 Degree Elbow	5.97	2.25
26 05 33 23-0522 EA #2811FO Radiused Flat 90 Degree Elbow	6.48	2.25
26 05 33 23-0523 EA #2815 Tee.....	8.53	3.53
26 05 33 23-0524 EA #2817 Internal Elbow	6.59	2.57
26 05 33 23-0525 EA #2818 External Elbow.....	6.61	2.57
26 05 33 23-0526 EA #2815FO Radiused Tee	9.21	3.53
26 05 33 23-0527 EA #2817FO Radiused Internal Elbow	7.20	2.57
26 05 33 23-0528 EA #2818FO Radiused External Elbow	7.12	2.57
26 05 33 23-0529 EA #2886 Drop Ceiling Connector.....	7.44	2.89
26 05 33 23-0530 EA #2889 2800-2700 Reducer	6.73	2.57
26 05 33 23-0531 #2900, 1-1/2" x 3/4" <small>(26 05 33 23-0452)</small>		
26 05 33 23-0532 LF #2900, 1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover.....	6.05	1.93
<i>For Concrete Or Masonry Surface, Add</i>		<i>0.19</i>
26 05 33 23-0533 EA #2900WC 1-1/2" Wire Clip.....	3.04	1.28
26 05 33 23-0534 EA #2906 Cover Clip	4.10	1.28
26 05 33 23-0535 EA #2910B Blank End	5.38	1.93
26 05 33 23-0536 EA #2911 Flat 90 Degree Elbow	6.67	2.57
26 05 33 23-0537 EA #2915FO Radiused Tee	10.06	3.85
26 05 33 23-0538 EA #2911FO Radiused Flat 90 Degree Elbow	7.48	2.57
26 05 33 23-0539 EA #2915 Tee.....	9.23	3.85
26 05 33 23-0540 EA #2917 Internal Elbow	7.31	2.89
26 05 33 23-0541 EA #2917FO Radiused Internal Elbow	8.15	2.89
26 05 33 23-0542 EA #2918FO Radiused External Elbow.....	8.38	2.89
26 05 33 23-0543 EA #2918 External Elbow.....	7.30	2.89
26 05 33 23-0544 EA #2986 Drop Ceiling Connector.....	7.44	2.89
26 05 33 23-0545 EA #2989 2900-2800 Reducer	8.27	3.21
26 05 33 23-0546 EA #2989A 2900-2700 Reducer.....	7.99	3.21
26 05 33 23-0547 Two Piece Surface Non-Metallic Raceways <small>(26 05 33 23-0451)</small>		
<i>Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).</i>		
26 05 33 23-0548 #5000, 5" x 1" <small>(26 05 33 23-0547)</small>		
26 05 33 23-0549 LF #5000B, 5" x 1" Two Piece Surface Non-Metallic Raceway Base	9.62	2.89
<i>For Concrete Or Masonry Surface, Add</i>		<i>0.29</i>
26 05 33 23-0550 LF #5000C Cover, Black, Gray Or White	9.03	2.89
26 05 33 23-0551 LF #5000COA Cover, Oak Veneer	19.03	2.89
26 05 33 23-0552 LF #5000CW Cover, Maple Wood Veneer.....	15.08	2.89
26 05 33 23-0553 LF #5000T Quarter Round Trim, Black, Gray Or White	1.35	0.32
26 05 33 23-0554 LF #5000TOA Quarter Round Trim, Oak Veneer.....	6.36	0.32
26 05 33 23-0555 LF #5000TW Quarter Round Trim, Maple Wood Veneer.....	3.85	0.32
26 05 33 23-0556 EA #5001 Base Coupling	8.44	3.21
26 05 33 23-0557 EA #5004 Blank/Coax Adapter.....	4.90	1.60
26 05 33 23-0558 EA #5005 Low Voltage Blank Plate	6.71	1.93
26 05 33 23-0559 EA #5006 Cover Clip	9.28	3.21
26 05 33 23-0560 EA #5006A Internal Wire Guard	8.51	3.21
26 05 33 23-0561 EA #5007C Device Bracket	10.08	3.21
26 05 33 23-0562 EA #5007C-1 Device Plate.....	17.79	6.41
26 05 33 23-0563 EA #5007C-2 Deep Device Plate	18.59	6.41
26 05 33 23-0564 EA #5010 End Cap, Right Or Left.....	15.07	6.09
26 05 33 23-0565 EA #5010A Entrance End Feed.....	30.82	9.94
26 05 33 23-0566 EA #5017B Internal Base Elbow.....	20.48	8.01
26 05 33 23-0567 EA #5017C Internal Cover Elbow.....	19.13	6.41
26 05 33 23-0568 EA #5017WG Internal Elbow Wire Guard.....	12.78	4.81
26 05 33 23-0569 EA #5018B External Base Elbow	20.43	8.01
26 05 33 23-0570 EA #5018C External Cover Elbow.....	19.34	6.41
26 05 33 23-0571 EA #5018WG External Elbow Wire Guard	8.30	3.21
26 05 33 23-0572 #5400, 5-1/4" x 1-11/16" <small>(26 05 33 23-0547)</small>		
26 05 33 23-0573 LF #5400TB Two Compartment, 5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceway Base.....	10.45	2.89
<i>For Concrete Or Masonry Surface, Add</i>		<i>0.29</i>
26 05 33 23-0574 LF #5400C Full Width Cover.....	4.07	0.32
26 05 33 23-0575 LF #5400TC Twin Snap Cover.....	2.55	0.32
26 05 33 23-0576 EA #5400TWC Twin Snap Cover Wire Clips.....	3.71	1.60
26 05 33 23-0577 EA #5406A Cover Clip.....	6.76	1.93
26 05 33 23-0578 EA #5406T Twin Cover Clip	5.50	1.93
26 05 33 23-0579 EA #5406TB Base Seam Clip.....	4.79	1.93
26 05 33 23-0580 EA #5408 L Or R (Left Or Right) Transition Fitting	39.19	9.94
26 05 33 23-0581 EA #5410 End Cap.....	18.36	6.09
26 05 33 23-0582 EA #5410DFO Radiused Divided Entrance Cap Fitting.....	37.40	9.94
26 05 33 23-0583 EA #5411FO Radiused Flat 90 Degree Elbow	34.76	8.01
26 05 33 23-0584 EA #5415 Tee Fitting.....	39.64	9.94
26 05 33 23-0585 EA #5415FO Radiused Tee Fitting.....	41.81	9.94
26 05 33 23-0586 EA #5417FO Radiused Internal Elbow	31.67	9.94
26 05 33 23-0587 EA #5418 External Elbow.....	32.21	9.94
26 05 33 23-0588 EA #5418FO Radiused External Elbow	32.71	9.94
26 05 33 23-0589 EA #5450 5-5/32" x 6" Device Bracket	16.38	3.21

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0590 EA #5450A3 7-19/32" x 7-1/2" Device Bracket.....	22.31	3.21
26 05 33 23-0591 EA #5450T 2-1/2" x 4-7/8" Twin Snap Device Bracket.....	12.00	3.21
26 05 33 23-0592 EA #5474 Transition Fitting.....	33.73	9.94
26 05 33 23-0593 #5500, 6-11/16" x 1-11/16" <small>(26 05 33 23-0547)</small>		
26 05 33 23-0594 LF #5500BD3 Three Compartment Divided, 6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceway Base.....	13.63	2.89
<i>For Concrete Or Masonry Surface, Add</i>	0.29	
26 05 33 23-0595 LF #5500C Cover.....	5.47	0.32
26 05 33 23-0596 EA #5500WC Wire Clips.....	4.52	1.60
26 05 33 23-0597 EA #5506 Cover Clip.....	7.80	1.93
26 05 33 23-0598 EA #5506B Base Seam Clip Fitting.....	5.13	1.93
26 05 33 23-0599 EA #5507AD Modular Furniture Adapter.....	7.18	1.93
26 05 33 23-0600 EA #5507B Blank Faceplate.....	7.21	1.93
26 05 33 23-0601 EA #5507D Duplex Receptacle Faceplate.....	7.26	1.93
26 05 33 23-0602 EA #5507FRJ Dual RJ Connector Faceplate.....	7.26	1.93
26 05 33 23-0603 EA #5507R Rectangular Receptacle Faceplate.....	7.17	1.93
26 05 33 23-0604 EA #5507RJ Dual RJ Connector Faceplate.....	7.19	1.93
26 05 33 23-0605 EA #5507S Rectangular Spacer Fitting.....	7.12	1.93
26 05 33 23-0606 EA #5507SW Switch Faceplate.....	7.15	1.93
26 05 33 23-0607 EA #5507T1 Twistlock Faceplate.....	7.21	1.93
26 05 33 23-0608 EA #5507T2 Single Receptacle Faceplate.....	7.03	1.93
26 05 33 23-0609 EA #5550 6-5/8" x 6" Device Bracket.....	20.15	3.21
26 05 33 23-0610 EA #5550A4 9-5/8" x 7-1/2" Device Bracket.....	27.88	3.21
26 05 33 23-0611 EA #5510 End Cap.....	20.36	6.09
26 05 33 23-0612 EA #5510D Entrance End Fitting.....	43.77	9.94
26 05 33 23-0613 EA #5511FO Radiused Flat 90 Degree Elbow.....	40.66	8.01
26 05 33 23-0614 EA #5514A Backfeed Connector.....	31.53	8.01
26 05 33 23-0615 EA #5515 Tee Fitting.....	46.32	9.94
26 05 33 23-0616 EA #5517FO Radiused Internal Elbow.....	35.74	9.94
26 05 33 23-0617 EA #5518 External Elbow.....	36.80	9.94
26 05 33 23-0618 EA #5518FO Radiused External Elbow.....	39.03	9.94
26 05 33 23-0619 EA #5574 Transition Fitting.....	34.68	9.94
26 05 33 23-0620 EA #5574A Transition Fitting.....	49.12	9.94

26 05 36 Cable Trays For Electrical Systems (26 05)**26 05 36 00-0001 Cable Trays** (26 05 36)

Note: Excludes supporting hangers.

26 05 36 00-0002 Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0001)**26 05 36 00-0003 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray**(26 05 36 00-0002)**26 05 36 00-0004 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom****Galvanized Steel Cable Tray** (26 05 36 00-0003)

26 05 36 00-0005 LF 6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	21.04	6.74
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.54	
26 05 36 00-0006 LF 9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	22.70	7.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.67	
26 05 36 00-0007 LF 12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	24.79	7.79
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.83	
26 05 36 00-0008 LF 18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	27.44	8.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.06	
26 05 36 00-0009 LF 24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	29.94	8.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.28	
26 05 36 00-0010 LF 30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	36.29	9.89
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.81	
26 05 36 00-0011 LF 36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	40.80	11.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.14	

26 05 36 00-0012 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom**Galvanized Steel Cable Tray** (26 05 36 00-0003)

26 05 36 00-0013 LF 6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	19.93	6.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.44	
26 05 36 00-0014 LF 9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	21.52	7.02
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.57	
26 05 36 00-0015 LF 12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	23.01	7.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.66	
26 05 36 00-0016 LF 18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	25.11	8.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.84	
26 05 36 00-0017 LF 24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	26.96	8.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.00	
26 05 36 00-0018 LF 30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	31.62	9.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.36	
26 05 36 00-0019 LF 36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	34.57	10.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.58	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0020 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>						
	26 05 36 00-0021	LF		6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 19.25		6.53
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.38	
	26 05 36 00-0022	LF		9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 19.84		6.74
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.42	
	26 05 36 00-0023	LF		12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 21.75		7.16
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.58	
	26 05 36 00-0024	LF		18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 23.72		7.51
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.74	
	26 05 36 00-0025	LF		24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 25.56		7.72
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.91	
	26 05 36 00-0026	LF		30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 27.85		8.42
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.09	
	26 05 36 00-0027	LF		36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 29.95		9.11
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.24	
26 05 36 00-0028 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>						
	26 05 36 00-0029	LF		6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 18.65		6.25
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.34	
	26 05 36 00-0030	LF		9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 19.04		6.39
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.37	
	26 05 36 00-0031	LF		12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 20.15		6.74
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.46	
	26 05 36 00-0032	LF		18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 21.33		7.09
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.54	
	26 05 36 00-0033	LF		24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 22.11		7.09
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.62	
	26 05 36 00-0034	LF		30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 24.37		7.65
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.80	
	26 05 36 00-0035	LF		36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 25.67		8.00
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.90	
26 05 36 00-0036 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>						
	26 05 36 00-0037	LF		6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 18.39		6.11
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.33	
	26 05 36 00-0038	LF		9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 18.71		6.25
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.35	
	26 05 36 00-0039	LF		12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 19.82		6.60
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.43	
	26 05 36 00-0040	LF		18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 20.80		6.88
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.51	
	26 05 36 00-0041	LF		24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 21.13		6.95
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.53	
	26 05 36 00-0042	LF		30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 22.47		7.44
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.63	
	26 05 36 00-0043	LF		36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 23.46		7.86
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.69	
26 05 36 00-0044 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>						
26 05 36 00-0045 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>						
	26 05 36 00-0046	EA		6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 170.18		70.36
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.16	
	26 05 36 00-0047	EA		9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 190.72		80.10
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.39	
	26 05 36 00-0048	EA		12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 209.81		88.59
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.60	
	26 05 36 00-0049	EA		18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 261.67		108.59
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.12	
	26 05 36 00-0050	EA		24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 298.56		124.65
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.47	
	26 05 36 00-0051	EA		30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 353.18		140.29
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.63	
	26 05 36 00-0052	EA		36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 406.77		160.35
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.32	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0053			24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0054	EA		6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	231.22	73.16
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.02	
26 05 36 00-0055	EA		9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	252.81	84.10
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.27	
26 05 36 00-0056	EA		12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	272.72	93.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.48	
26 05 36 00-0057	EA		18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	319.64	116.16
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.29	
26 05 36 00-0058	EA		24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	359.86	134.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.76	
26 05 36 00-0059	EA		30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	401.99	152.91
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.45	
26 05 36 00-0060	EA		36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	470.06	177.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.25	
26 05 36 00-0061			36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0062	EA		6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	248.49	76.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.48	
26 05 36 00-0063	EA		9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	275.25	88.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.15	
26 05 36 00-0064	EA		12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	298.78	99.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.62	
26 05 36 00-0065	EA		18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	360.76	124.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.69	
26 05 36 00-0066	EA		24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	412.00	146.33
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.01	
26 05 36 00-0067	EA		30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	482.31	168.35
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.20	
26 05 36 00-0068	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	549.86	197.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.50	
26 05 36 00-0069			12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0070	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	126.15	50.99
			<i>For 60 Degree Bend, Deduct</i>	-22.09	
			<i>For 30 Degree Bend, Deduct</i>	-39.65	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.37	
26 05 36 00-0071	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	144.77	61.17
			<i>For 60 Degree Bend, Deduct</i>	-24.34	
			<i>For 30 Degree Bend, Deduct</i>	-43.96	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.38	
26 05 36 00-0072	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	161.46	70.15
			<i>For 60 Degree Bend, Deduct</i>	-26.39	
			<i>For 30 Degree Bend, Deduct</i>	-47.88	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.30	
26 05 36 00-0073	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	194.81	88.66
			<i>For 60 Degree Bend, Deduct</i>	-30.31	
			<i>For 30 Degree Bend, Deduct</i>	-55.44	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.09	
26 05 36 00-0074	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	241.50	108.59
			<i>For 60 Degree Bend, Deduct</i>	-38.07	
			<i>For 30 Degree Bend, Deduct</i>	-69.48	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.10	
26 05 36 00-0075	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	285.11	124.65
			<i>For 60 Degree Bend, Deduct</i>	-46.30	
			<i>For 30 Degree Bend, Deduct</i>	-84.09	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0076 EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	324.58	146.33
<i>For 60 Degree Bend, Deduct</i>	-51.02	
<i>For 30 Degree Bend, Deduct</i>	-93.16	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.26	
26 05 36 00-0077 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0078 EA 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	139.75	52.61
<i>For 60 Degree Bend, Deduct</i>	-25.96	
<i>For 30 Degree Bend, Deduct</i>	-46.19	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.59	
26 05 36 00-0079 EA 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	161.18	63.41
<i>For 60 Degree Bend, Deduct</i>	-28.88	
<i>For 30 Degree Bend, Deduct</i>	-51.65	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.83	
26 05 36 00-0080 EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	184.23	73.23
<i>For 60 Degree Bend, Deduct</i>	-32.73	
<i>For 30 Degree Bend, Deduct</i>	-58.62	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.32	
26 05 36 00-0081 EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	219.76	93.51
<i>For 60 Degree Bend, Deduct</i>	-36.67	
<i>For 30 Degree Bend, Deduct</i>	-66.31	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.18	
26 05 36 00-0082 EA 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	270.89	116.16
<i>For 60 Degree Bend, Deduct</i>	-44.87	
<i>For 30 Degree Bend, Deduct</i>	-81.24	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.41	
26 05 36 00-0083 EA 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	316.99	134.75
<i>For 60 Degree Bend, Deduct</i>	-52.96	
<i>For 30 Degree Bend, Deduct</i>	-95.76	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.47	
26 05 36 00-0084 EA 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	373.24	160.42
<i>For 60 Degree Bend, Deduct</i>	-61.68	
<i>For 30 Degree Bend, Deduct</i>	-111.72	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.96	
26 05 36 00-0085 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0086 EA 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	165.25	54.29
<i>For 60 Degree Bend, Deduct</i>	-33.73	
<i>For 30 Degree Bend, Deduct</i>	-59.23	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.00	
26 05 36 00-0087 EA 9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	188.89	65.93
<i>For 60 Degree Bend, Deduct</i>	-37.06	
<i>For 30 Degree Bend, Deduct</i>	-65.43	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.40	
26 05 36 00-0088 EA 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	208.23	76.53
<i>For 60 Degree Bend, Deduct</i>	-39.38	
<i>For 30 Degree Bend, Deduct</i>	-69.89	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.45	
26 05 36 00-0089 EA 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	252.55	99.04
<i>For 60 Degree Bend, Deduct</i>	-45.36	
<i>For 30 Degree Bend, Deduct</i>	-81.11	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.00	
26 05 36 00-0090 EA 24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	300.24	124.65
<i>For 60 Degree Bend, Deduct</i>	-51.29	
<i>For 30 Degree Bend, Deduct</i>	-92.41	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.64	
26 05 36 00-0091 EA 30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	363.25	146.33
<i>For 60 Degree Bend, Deduct</i>	-63.78	
<i>For 30 Degree Bend, Deduct</i>	-114.43	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.13	
26 05 36 00-0092 EA 36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	428.03	177.12
<i>For 60 Degree Bend, Deduct</i>	-73.35	
<i>For 30 Degree Bend, Deduct</i>	-132.09	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.04	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-0093		12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>			
26 05 36 00-0094	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	182.20	70.15	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.37		
26 05 36 00-0095	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	200.35	80.10	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.36		
26 05 36 00-0096	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	216.66	88.59	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.29		
26 05 36 00-0097	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	253.03	108.59	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.25		
26 05 36 00-0098	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	282.83	124.65	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.89		
26 05 36 00-0099	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	314.87	140.29	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.80		
26 05 36 00-0100	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	350.98	160.14	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.75		
26 05 36 00-0101		24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>			
26 05 36 00-0102	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	214.26	73.16	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.33		
26 05 36 00-0103	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	234.85	84.17	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.47		
26 05 36 00-0104	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	254.20	93.51	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.63		
26 05 36 00-0105	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	297.13	116.16	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.04		
26 05 36 00-0106	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	333.35	134.75	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.11		
26 05 36 00-0107	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	369.72	152.91	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.23		
26 05 36 00-0108	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	424.31	177.12	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.67		
26 05 36 00-0109		36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>			
26 05 36 00-0110	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	252.03	76.46	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.83		
26 05 36 00-0111	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	276.70	88.59	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.29		
26 05 36 00-0112	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	295.72	99.04	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.32		
26 05 36 00-0113	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	348.87	124.65	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.50		
26 05 36 00-0114	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	386.48	146.33	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.45		
26 05 36 00-0115	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	442.69	168.35	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.24		
26 05 36 00-0116	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	502.24	197.81	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.74		
26 05 36 00-0117		12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>			
26 05 36 00-0118	EA	6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	329.12	134.75	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.69		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0119 EA 9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	356.28	146.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.43	
26 05 36 00-0120 EA 12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	373.53	152.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.61	
26 05 36 00-0121 EA 18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	416.39	168.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.61	
26 05 36 00-0122 EA 24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	470.71	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.50	
26 05 36 00-0123 EA 30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	520.70	198.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.56	
26 05 36 00-0124 EA 36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	589.33	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.24	
26 05 36 00-0125 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0126 EA 6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	407.80	146.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.59	
26 05 36 00-0127 EA 9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	439.04	160.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.54	
26 05 36 00-0128 EA 12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	458.54	168.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.83	
26 05 36 00-0129 EA 18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	456.54	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.08	
26 05 36 00-0130 EA 24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	559.91	210.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.45	
26 05 36 00-0131 EA 30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	601.82	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.49	
26 05 36 00-0132 EA 36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	723.84	259.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.79	
26 05 36 00-0133 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0134 EA 6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	512.41	160.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.87	
26 05 36 00-0135 EA 9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	549.67	177.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.21	
26 05 36 00-0136 EA 12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	583.10	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.74	
26 05 36 00-0137 EA 18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	642.64	210.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.73	
26 05 36 00-0138 EA 24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	729.76	240.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.96	
26 05 36 00-0139 EA 30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	790.97	259.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.50	
26 05 36 00-0140 EA 36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	895.36	305.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.05	
26 05 36 00-0141 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0142 EA 6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	385.74	124.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.19	
26 05 36 00-0143 EA 9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	395.48	129.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.75	
26 05 36 00-0144 EA 12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	405.61	134.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.33	
26 05 36 00-0145 EA 18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	428.09	146.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.61	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0146	EA		24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	442.21	152.91
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.48	
26 05 36 00-0147	EA		30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	480.39	168.35
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.01	
26 05 36 00-0148	EA		36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	519.10	186.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.34	
26 05 36 00-0149			24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0150	EA		6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	546.10	134.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.38	
26 05 36 00-0151	EA		9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	560.08	140.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.32	
26 05 36 00-0152	EA		12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	574.83	146.33
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.29	
26 05 36 00-0153	EA		18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	607.64	160.42
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.40	
26 05 36 00-0154	EA		24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	630.25	168.35
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.00	
26 05 36 00-0155	EA		30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	670.52	186.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.48	
26 05 36 00-0156	EA		36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	725.38	210.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.00	
26 05 36 00-0157			36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0158	EA		6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	844.89	146.33
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.29	
26 05 36 00-0159	EA		9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	863.69	152.91
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.62	
26 05 36 00-0160	EA		12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	883.94	160.42
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.03	
26 05 36 00-0161	EA		18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	919.63	177.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.20	
26 05 36 00-0162	EA		24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	943.70	186.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.80	
26 05 36 00-0163	EA		30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,006.36	210.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.10	
26 05 36 00-0164	EA		36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,063.82	240.25
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.36	
26 05 36 00-0165			12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0166	EA		6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	410.15	168.35
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.99	
26 05 36 00-0167	EA		9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	431.03	177.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.34	
26 05 36 00-0168	EA		12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	459.78	186.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.40	
26 05 36 00-0169	EA		18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	492.60	198.16
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.75	
26 05 36 00-0170	EA		24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	554.99	224.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.80	
26 05 36 00-0171	EA		30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	617.36	240.25
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.72	
26 05 36 00-0172	EA		36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	673.89	259.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.79	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0173				24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0174	EA			6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	562.81	186.86
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.71	
26 05 36 00-0175	EA			9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	589.38	198.16
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.43	
26 05 36 00-0176	EA			12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	617.67	210.44
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.23	
26 05 36 00-0177	EA			18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	658.02	224.32
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.11	
26 05 36 00-0178	EA			24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	734.77	259.19
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.88	
26 05 36 00-0179	EA			30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	790.77	280.58
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.70	
26 05 36 00-0180	EA			36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	884.43	305.84
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.95	
26 05 36 00-0181				36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0182	EA			6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	701.96	210.44
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.66	
26 05 36 00-0183	EA			9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	740.75	224.32
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.38	
26 05 36 00-0184	EA			12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	782.83	240.25
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.26	
26 05 36 00-0185	EA			18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	853.41	259.19
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.74	
26 05 36 00-0186	EA			24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	978.09	305.84
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.32	
26 05 36 00-0187	EA			30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,067.61	336.14
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.75	
26 05 36 00-0188	EA			36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,170.43	374.44
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.84	
26 05 36 00-0189				12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0190	EA			6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	468.45	168.35
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.82	
26 05 36 00-0191	EA			9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	492.24	177.19
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.46	
26 05 36 00-0192	EA			12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	526.45	186.86
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.07	
26 05 36 00-0193	EA			18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	565.77	198.23
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.06	
26 05 36 00-0194	EA			24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	636.48	224.32
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.95	
26 05 36 00-0195	EA			30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	715.19	240.32
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.49	
26 05 36 00-0196	EA			36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	782.24	258.83
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.65	
26 05 36 00-0197				24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0198	EA			6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	675.90	186.86
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.02	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0199	EA		9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	705.99	198.16
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.09	
26 05 36 00-0200	EA		12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	737.79	210.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.24	
26 05 36 00-0201	EA		18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	785.87	224.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.89	
26 05 36 00-0202	EA		24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	871.05	259.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.51	
26 05 36 00-0203	EA		30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	936.18	280.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.24	
26 05 36 00-0204	EA		36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,053.02	305.84
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.81	
26 05 36 00-0205			36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0206	EA		6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	860.02	210.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.47	
26 05 36 00-0207	EA		9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	905.83	224.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.89	
26 05 36 00-0208	EA		12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	954.94	240.25
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.48	
26 05 36 00-0209	EA		18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,043.07	259.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.71	
26 05 36 00-0210	EA		24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,188.83	305.84
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.39	
26 05 36 00-0211	EA		30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,295.91	336.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.58	
26 05 36 00-0212	EA		36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,416.29	374.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.43	
26 05 36 00-0213			6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0214			12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0215	EA		6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	162.61	70.36
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.40	
26 05 36 00-0216	EA		9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	182.55	80.10
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.58	
26 05 36 00-0217	EA		12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	200.93	88.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.71	
26 05 36 00-0218	EA		18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	250.15	108.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.97	
26 05 36 00-0219	EA		24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	285.59	124.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.17	
26 05 36 00-0220	EA		30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	336.13	140.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.92	
26 05 36 00-0221	EA		36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	386.84	160.35
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.32	
26 05 36 00-0222			24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0223	EA		6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	215.61	73.16
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.46	
26 05 36 00-0224	EA		9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	236.72	84.10
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0225 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	256.03	93.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.81	
26 05 36 00-0226 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	301.63	116.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.49	
26 05 36 00-0227 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	340.53	134.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.83	
26 05 36 00-0228 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	380.97	152.91
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.35	
26 05 36 00-0229 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	445.08	177.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.75	
26 05 36 00-0230 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0231 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	231.20	76.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.75	
26 05 36 00-0232 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	257.00	88.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.33	
26 05 36 00-0233 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	279.69	99.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.71	
26 05 36 00-0234 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	338.91	124.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.50	
26 05 36 00-0235 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	387.99	146.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.60	
26 05 36 00-0236 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	453.49	168.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.32	
26 05 36 00-0237 EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	518.39	197.81
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.36	
26 05 36 00-0238 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0239 EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	120.26	50.99
For 60 Degree Bend, Deduct	-20.15	
For 30 Degree Bend, Deduct	-36.41	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-7.78	
26 05 36 00-0240 EA 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	138.64	61.17
For 60 Degree Bend, Deduct	-22.31	
For 30 Degree Bend, Deduct	-40.59	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-8.77	
26 05 36 00-0241 EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	155.10	70.15
For 60 Degree Bend, Deduct	-24.29	
For 30 Degree Bend, Deduct	-44.39	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-9.66	
26 05 36 00-0242 EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	188.09	88.66
For 60 Degree Bend, Deduct	-28.09	
For 30 Degree Bend, Deduct	-51.74	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.42	
26 05 36 00-0243 EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	232.85	108.59
For 60 Degree Bend, Deduct	-35.22	
For 30 Degree Bend, Deduct	-64.72	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.24	
26 05 36 00-0244 EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	274.06	124.65
For 60 Degree Bend, Deduct	-42.65	
For 30 Degree Bend, Deduct	-78.01	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.02	
26 05 36 00-0245 EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	313.06	146.33
For 60 Degree Bend, Deduct	-47.22	
For 30 Degree Bend, Deduct	-86.82	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.11	
26 05 36 00-0246 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0247	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	132.31	52.61
			<i>For 60 Degree Bend, Deduct</i>	-23.51	
			<i>For 30 Degree Bend, Deduct</i>	-42.10	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.85	
26 05 36 00-0248	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	153.25	63.41
			<i>For 60 Degree Bend, Deduct</i>	-26.26	
			<i>For 30 Degree Bend, Deduct</i>	-47.29	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.04	
26 05 36 00-0249	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	175.35	73.23
			<i>For 60 Degree Bend, Deduct</i>	-29.80	
			<i>For 30 Degree Bend, Deduct</i>	-53.73	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.43	
26 05 36 00-0250	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	210.64	93.51
			<i>For 60 Degree Bend, Deduct</i>	-33.66	
			<i>For 30 Degree Bend, Deduct</i>	-61.29	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.27	
26 05 36 00-0251	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	259.84	116.16
			<i>For 60 Degree Bend, Deduct</i>	-41.23	
			<i>For 30 Degree Bend, Deduct</i>	-75.17	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.31	
26 05 36 00-0252	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	303.78	134.75
			<i>For 60 Degree Bend, Deduct</i>	-48.61	
			<i>For 30 Degree Bend, Deduct</i>	-88.49	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.15	
26 05 36 00-0253	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	358.11	160.42
			<i>For 60 Degree Bend, Deduct</i>	-56.69	
			<i>For 30 Degree Bend, Deduct</i>	-103.40	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.44	
26 05 36 00-0254			36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0255	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	154.56	54.29
			<i>For 60 Degree Bend, Deduct</i>	-30.20	
			<i>For 30 Degree Bend, Deduct</i>	-53.35	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.93	
26 05 36 00-0256	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	177.60	65.93
			<i>For 60 Degree Bend, Deduct</i>	-33.34	
			<i>For 30 Degree Bend, Deduct</i>	-59.22	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.27	
26 05 36 00-0257	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	196.71	76.53
			<i>For 60 Degree Bend, Deduct</i>	-35.58	
			<i>For 30 Degree Bend, Deduct</i>	-63.55	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.29	
26 05 36 00-0258	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	240.06	99.04
			<i>For 60 Degree Bend, Deduct</i>	-41.24	
			<i>For 30 Degree Bend, Deduct</i>	-74.24	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.75	
26 05 36 00-0259	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	287.03	124.65
			<i>For 60 Degree Bend, Deduct</i>	-46.93	
			<i>For 30 Degree Bend, Deduct</i>	-85.14	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.31	
26 05 36 00-0260	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	346.20	146.33
			<i>For 60 Degree Bend, Deduct</i>	-58.15	
			<i>For 30 Degree Bend, Deduct</i>	-105.05	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.43	
26 05 36 00-0261	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	409.06	177.12
			<i>For 60 Degree Bend, Deduct</i>	-67.09	
			<i>For 30 Degree Bend, Deduct</i>	-121.66	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.15	
26 05 36 00-0262			12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0263	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	176.98	70.15
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.85	
26 05 36 00-0264	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	195.01	80.10
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0265 EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	211.13	88.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.73	
26 05 36 00-0266 EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	231.06	108.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.06	
26 05 36 00-0267 EA 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	276.83	124.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.29	
26 05 36 00-0268 EA 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	308.39	140.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.15	
26 05 36 00-0269 EA 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	344.25	160.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.08	
26 05 36 00-0270 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0271 EA 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	206.88	73.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.59	
26 05 36 00-0272 EA 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	227.29	84.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.71	
26 05 36 00-0273 EA 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	246.33	93.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.84	
26 05 36 00-0274 EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	288.84	116.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.21	
26 05 36 00-0275 EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	324.65	134.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.24	
26 05 36 00-0276 EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	360.53	152.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.31	
26 05 36 00-0277 EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	413.98	177.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.64	
26 05 36 00-0278 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0279 EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	242.07	76.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.83	
26 05 36 00-0280 EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	266.37	88.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.26	
26 05 36 00-0281 EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	285.27	99.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.27	
26 05 36 00-0282 EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	337.59	124.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.37	
26 05 36 00-0283 EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	375.08	146.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.31	
26 05 36 00-0284 EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	429.72	168.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.94	
26 05 36 00-0285 EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	488.44	197.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.36	
26 05 36 00-0286 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0287 EA 6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	321.07	134.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.88	
26 05 36 00-0288 EA 9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	347.64	146.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.57	
26 05 36 00-0289 EA 12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	364.40	152.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.70	
26 05 36 00-0290 EA 18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	405.94	168.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.57	
26 05 36 00-0291 EA 24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	458.46	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.27	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0292	EA		30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	506.05	198.16
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.09	
26 05 36 00-0293	EA		36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	572.76	224.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.58	
26 05 36 00-0294			24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0295	EA		6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	395.19	146.33
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.32	
26 05 36 00-0296	EA		9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	425.83	160.42
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.22	
26 05 36 00-0297	EA		12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	444.85	168.35
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.46	
26 05 36 00-0298	EA		18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	488.72	186.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.30	
26 05 36 00-0299	EA		24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	543.82	210.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.85	
26 05 36 00-0300	EA		30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	584.29	224.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.73	
26 05 36 00-0301	EA		36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	701.39	259.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.54	
26 05 36 00-0302			36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0303	EA		6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	493.56	160.42
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.99	
26 05 36 00-0304	EA		9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	530.10	177.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.25	
26 05 36 00-0305	EA		12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	562.21	186.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.65	
26 05 36 00-0306	EA		18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	620.19	210.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.48	
26 05 36 00-0307	EA		24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	704.42	240.25
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.42	
26 05 36 00-0308	EA		30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	763.35	259.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.74	
26 05 36 00-0309	EA		36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	865.70	305.84
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.08	
26 05 36 00-0310			12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0311	EA		6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	372.05	124.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.82	
26 05 36 00-0312	EA		9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	381.67	129.56
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.37	
26 05 36 00-0313	EA		12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	391.68	134.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.94	
26 05 36 00-0314	EA		18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	413.92	146.33
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.20	
26 05 36 00-0315	EA		24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	427.80	152.91
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.04	
26 05 36 00-0316	EA		30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	465.02	168.35
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.47	
26 05 36 00-0317	EA		36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	503.13	186.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.74	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0318				24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-02 13)</small>		
26 05 36 00-0319	EA			6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	521.37	134.75
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.91	
26 05 36 00-0320	EA			9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	534.98	140.29
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.81	
26 05 36 00-0321	EA			12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	549.37	146.33
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.74	
26 05 36 00-0322	EA			18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	581.46	160.42
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.78	
26 05 36 00-0323	EA			24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	603.35	168.35
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.31	
26 05 36 00-0324	EA			30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	642.90	186.86
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.72	
26 05 36 00-0325	EA			36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	696.56	210.44
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.12	
26 05 36 00-0326				36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-02 13)</small>		
26 05 36 00-0327	EA			6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	798.66	146.33
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.67	
26 05 36 00-0328	EA			9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	816.86	152.91
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.94	
26 05 36 00-0329	EA			12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	836.51	160.42
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.28	
26 05 36 00-0330	EA			18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	871.60	177.12
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.40	
26 05 36 00-0331	EA			24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	895.07	186.86
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.93	
26 05 36 00-0332	EA			30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	955.93	210.44
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.06	
26 05 36 00-0333	EA			36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,012.79	240.25
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.26	
26 05 36 00-0334				12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-02 13)</small>		
26 05 36 00-0335	EA			6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	400.18	168.35
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.99	
26 05 36 00-0336	EA			9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	420.58	177.12
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.30	
26 05 36 00-0337	EA			12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	448.37	186.86
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.26	
26 05 36 00-0338	EA			18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	480.11	198.16
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.50	
26 05 36 00-0339	EA			24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	541.06	224.32
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.41	
26 05 36 00-0340	EA			30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	600.67	240.25
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.05	
26 05 36 00-0341	EA			36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	655.28	259.19
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.93	
26 05 36 00-0342				24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-02 13)</small>		
26 05 36 00-0343	EA			6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	543.47	186.86
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.77	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0344 EA 9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	569.45 -40.43	198.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0345 EA 12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	597.13 -42.18	210.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0346 EA 18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	636.16 -44.92	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0347 EA 24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	711.48 -49.55	259.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0348 EA 30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	765.92 -53.21	280.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0349 EA 36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	855.61 -60.07	305.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0350 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0351 EA 6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	674.94 -49.96	210.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0352 EA 9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	712.53 -52.56	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0353 EA 12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	753.41 -55.32	240.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0354 EA 18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	820.99 -60.50	259.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0355 EA 24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	942.07 -68.72	305.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0356 EA 30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,028.58 -74.84	336.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0357 EA 36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,128.40 -81.64	374.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0358 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0359 EA 6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	454.00 -31.37	168.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0360 EA 9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	477.10 -32.94	177.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0361 EA 12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	509.91 -35.42	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0362 EA 18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	547.67 -38.25	198.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0363 EA 24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	616.28 -42.93	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0364 EA 30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	690.98 -49.07	240.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0365 EA 36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	755.25 -53.96	258.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0366 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0367 EA 6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	647.87 -49.21	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0368 EA 9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	677.09 -51.20	198.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0369 EA 12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	708.01 -53.26	210.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0370 EA 18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	754.18 -56.72	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0371 EA 24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	837.27	259.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.13	
26 05 36 00-0372 EA 30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	900.14	280.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.63	
26 05 36 00-0373 EA 36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,011.23	305.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.63	
26 05 36 00-0374 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0375 EA 6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	820.84	210.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.55	
26 05 36 00-0376 EA 9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	864.92	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.80	
26 05 36 00-0377 EA 12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	912.28	240.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.21	
26 05 36 00-0378 EA 18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	996.06	259.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.01	
26 05 36 00-0379 EA 24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,136.60	305.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.17	
26 05 36 00-0380 EA 30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,239.32	336.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.92	
26 05 36 00-0381 EA 36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,355.35	374.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-104.33	
26 05 36 00-0382 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-0002)		
26 05 36 00-0383 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0384 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	155.04	70.36
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.64	
26 05 36 00-0385 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	174.39	80.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.76	
26 05 36 00-0386 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	192.04	88.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.82	
26 05 36 00-0387 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	238.62	108.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.81	
26 05 36 00-0388 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	272.62	124.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.87	
26 05 36 00-0389 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	319.08	140.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.22	
26 05 36 00-0390 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	366.91	160.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.33	
26 05 36 00-0391 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0392 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	200.00	73.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.90	
26 05 36 00-0393 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	220.63	84.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.05	
26 05 36 00-0394 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	239.34	93.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.14	
26 05 36 00-0395 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	283.62	116.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.68	
26 05 36 00-0396 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	321.19	134.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.89	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0397	EA		30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	359.96	152.91
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.25	
26 05 36 00-0398	EA		36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	420.10	177.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.25	
26 05 36 00-0399			36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0392)</small>		
26 05 36 00-0400	EA		6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	213.91	76.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.02	
26 05 36 00-0401	EA		9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	238.75	88.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.50	
26 05 36 00-0402	EA		12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	260.59	99.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.80	
26 05 36 00-0403	EA		18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	317.05	124.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.32	
26 05 36 00-0404	EA		24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	363.97	146.33
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.20	
26 05 36 00-0405	EA		30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	424.68	168.35
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.44	
26 05 36 00-0406	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	486.93	197.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.21	
26 05 36 00-0407			12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0392)</small>		
26 05 36 00-0408	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	114.38	50.99
			<i>For 60 Degree Bend, Deduct</i>	-18.20	
			<i>For 30 Degree Bend, Deduct</i>	-33.17	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.19	
26 05 36 00-0409	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	132.52	61.17
			<i>For 60 Degree Bend, Deduct</i>	-20.29	
			<i>For 30 Degree Bend, Deduct</i>	-37.22	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.16	
26 05 36 00-0410	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	148.73	70.15
			<i>For 60 Degree Bend, Deduct</i>	-22.19	
			<i>For 30 Degree Bend, Deduct</i>	-40.88	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.03	
26 05 36 00-0411	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	181.36	88.66
			<i>For 60 Degree Bend, Deduct</i>	-25.87	
			<i>For 30 Degree Bend, Deduct</i>	-48.04	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.75	
26 05 36 00-0412	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	224.21	108.59
			<i>For 60 Degree Bend, Deduct</i>	-32.36	
			<i>For 30 Degree Bend, Deduct</i>	-59.97	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.37	
26 05 36 00-0413	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	263.02	124.65
			<i>For 60 Degree Bend, Deduct</i>	-39.01	
			<i>For 30 Degree Bend, Deduct</i>	-71.94	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.91	
26 05 36 00-0414	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	301.53	146.33
			<i>For 60 Degree Bend, Deduct</i>	-43.41	
			<i>For 30 Degree Bend, Deduct</i>	-80.48	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.96	
26 05 36 00-0415			24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0392)</small>		
26 05 36 00-0416	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	124.86	52.61
			<i>For 60 Degree Bend, Deduct</i>	-21.05	
			<i>For 30 Degree Bend, Deduct</i>	-38.00	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.10	
26 05 36 00-0417	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	145.33	63.41
			<i>For 60 Degree Bend, Deduct</i>	-23.65	
			<i>For 30 Degree Bend, Deduct</i>	-42.94	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0418 EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	166.46	73.23
<i>For 60 Degree Bend, Deduct</i>	-26.86	
<i>For 30 Degree Bend, Deduct</i>	-48.84	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.54	
26 05 36 00-0419 EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	201.51	93.51
<i>For 60 Degree Bend, Deduct</i>	-30.65	
<i>For 30 Degree Bend, Deduct</i>	-56.27	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.36	
26 05 36 00-0420 EA 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	248.80	116.16
<i>For 60 Degree Bend, Deduct</i>	-37.59	
<i>For 30 Degree Bend, Deduct</i>	-69.09	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.20	
26 05 36 00-0421 EA 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	290.57	134.75
<i>For 60 Degree Bend, Deduct</i>	-44.25	
<i>For 30 Degree Bend, Deduct</i>	-81.23	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.83	
26 05 36 00-0422 EA 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	342.98	160.42
<i>For 60 Degree Bend, Deduct</i>	-51.70	
<i>For 30 Degree Bend, Deduct</i>	-95.07	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.93	
26 05 36 00-0423 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0424 EA 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	143.88	54.29
<i>For 60 Degree Bend, Deduct</i>	-26.68	
<i>For 30 Degree Bend, Deduct</i>	-47.48	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.87	
26 05 36 00-0425 EA 9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	166.32	65.93
<i>For 60 Degree Bend, Deduct</i>	-29.61	
<i>For 30 Degree Bend, Deduct</i>	-53.02	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.14	
26 05 36 00-0426 EA 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	185.18	76.53
<i>For 60 Degree Bend, Deduct</i>	-31.78	
<i>For 30 Degree Bend, Deduct</i>	-57.21	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.14	
26 05 36 00-0427 EA 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	227.57	99.04
<i>For 60 Degree Bend, Deduct</i>	-37.12	
<i>For 30 Degree Bend, Deduct</i>	-67.37	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.50	
26 05 36 00-0428 EA 24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	273.82	124.65
<i>For 60 Degree Bend, Deduct</i>	-42.57	
<i>For 30 Degree Bend, Deduct</i>	-77.88	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.99	
26 05 36 00-0429 EA 30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	329.15	146.33
<i>For 60 Degree Bend, Deduct</i>	-52.52	
<i>For 30 Degree Bend, Deduct</i>	-95.67	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.72	
26 05 36 00-0430 EA 36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	390.08	177.12
<i>For 60 Degree Bend, Deduct</i>	-60.83	
<i>For 30 Degree Bend, Deduct</i>	-111.22	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.25	
26 05 36 00-0431 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0432 EA 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	169.14	70.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.07	
26 05 36 00-0433 EA 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	187.00	80.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.02	
26 05 36 00-0434 EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	202.85	88.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.90	
26 05 36 00-0435 EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	238.62	108.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.81	
26 05 36 00-0436 EA 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	267.82	124.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.39	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0437 EA 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	298.66	140.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.18	
26 05 36 00-0438 EA 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	334.16	160.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.07	
26 05 36 00-0439 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0440 EA 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	195.80	73.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.48	
26 05 36 00-0441 EA 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	215.94	84.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.58	
26 05 36 00-0442 EA 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	234.53	93.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.66	
26 05 36 00-0443 EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	276.41	116.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.96	
26 05 36 00-0444 EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	311.59	134.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.93	
26 05 36 00-0445 EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	346.75	152.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.93	
26 05 36 00-0446 EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	398.49	177.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.09	
26 05 36 00-0447 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0448 EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	227.12	76.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.34	
26 05 36 00-0449 EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	250.88	88.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.71	
26 05 36 00-0450 EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	269.60	99.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.70	
26 05 36 00-0451 EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	320.65	124.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.68	
26 05 36 00-0452 EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	357.97	146.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.60	
26 05 36 00-0453 EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	410.27	168.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.00	
26 05 36 00-0454 EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	467.72	197.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.29	
26 05 36 00-0455 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0456 EA 6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	304.98	134.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.27	
26 05 36 00-0457 EA 9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	330.35	146.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.84	
26 05 36 00-0458 EA 12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	346.15	152.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.87	
26 05 36 00-0459 EA 18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	385.05	168.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.48	
26 05 36 00-0460 EA 24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	433.96	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.82	
26 05 36 00-0461 EA 30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	476.75	198.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.16	
26 05 36 00-0462 EA 36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	539.62	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.27	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0463				24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0464	EA			6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	369.97	146.33
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.80	
26 05 36 00-0465	EA			9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	399.42	160.42
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.58	
26 05 36 00-0466	EA			12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	417.47	168.35
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.72	
26 05 36 00-0467	EA			18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	459.18	186.86
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.34	
26 05 36 00-0468	EA			24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	511.64	210.44
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.63	
26 05 36 00-0469	EA			30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	549.23	224.32
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.23	
26 05 36 00-0470	EA			36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	656.48	259.19
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.05	
26 05 36 00-0471				36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0472	EA			6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	455.85	160.42
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.22	
26 05 36 00-0473	EA			9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	490.95	177.12
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.33	
26 05 36 00-0474	EA			12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	520.42	186.86
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.47	
26 05 36 00-0475	EA			18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	575.28	210.44
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.99	
26 05 36 00-0476	EA			24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	653.75	240.25
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.36	
26 05 36 00-0477	EA			30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	708.11	259.19
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.21	
26 05 36 00-0478	EA			36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	806.38	305.84
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.15	
26 05 36 00-0479				12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0480	EA			6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	344.67	124.65
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.08	
26 05 36 00-0481	EA			9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	354.05	129.56
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.61	
26 05 36 00-0482	EA			12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	363.82	134.75
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.16	
26 05 36 00-0483	EA			18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	385.58	146.33
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.36	
26 05 36 00-0484	EA			24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	398.99	152.91
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.15	
26 05 36 00-0485	EA			30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	434.28	168.35
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.40	
26 05 36 00-0486	EA			36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	471.19	186.86
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.55	
26 05 36 00-0487				24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0488	EA			6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	471.89	134.75
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.96	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0489 EA 9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	484.79	140.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.79	
26 05 36 00-0490 EA 12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	498.46	146.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.65	
26 05 36 00-0491 EA 18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	529.10	160.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.54	
26 05 36 00-0492 EA 24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	549.56	168.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.93	
26 05 36 00-0493 EA 30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	587.66	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.19	
26 05 36 00-0494 EA 36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	638.92	210.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.36	
26 05 36 00-0495 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0496 EA 6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	706.20	146.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.43	
26 05 36 00-0497 EA 9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	723.20	152.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.58	
26 05 36 00-0498 EA 12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	741.64	160.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.80	
26 05 36 00-0499 EA 18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	775.54	177.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.79	
26 05 36 00-0500 EA 24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	797.80	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.21	
26 05 36 00-0501 EA 30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	855.06	210.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.97	
26 05 36 00-0502 EA 36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	910.72	240.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.05	
26 05 36 00-0503 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0504 EA 6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	380.25	168.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.00	
26 05 36 00-0505 EA 9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	399.69	177.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.21	
26 05 36 00-0506 EA 12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	425.56	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.98	
26 05 36 00-0507 EA 18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	455.13	198.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.00	
26 05 36 00-0508 EA 24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	513.20	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.62	
26 05 36 00-0509 EA 30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	567.29	240.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.71	
26 05 36 00-0510 EA 36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	618.05	259.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.21	
26 05 36 00-0511 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0512 EA 6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	504.81	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.91	
26 05 36 00-0513 EA 9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	529.58	198.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.45	
26 05 36 00-0514 EA 12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	556.07	210.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.07	
26 05 36 00-0515 EA 18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	592.45	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0516 EA 24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	664.88	259.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.89	
26 05 36 00-0517 EA 30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	716.20	280.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.24	
26 05 36 00-0518 EA 36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	797.97	305.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.31	
26 05 36 00-0519 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0520 EA 6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	620.91	210.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.55	
26 05 36 00-0521 EA 9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	656.10	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.91	
26 05 36 00-0522 EA 12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	694.57	240.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.44	
26 05 36 00-0523 EA 18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	756.14	259.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.02	
26 05 36 00-0524 EA 24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	870.02	305.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.51	
26 05 36 00-0525 EA 30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	950.53	336.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.04	
26 05 36 00-0526 EA 36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,044.35	374.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.23	
26 05 36 00-0527 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0528 EA 6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	425.10	168.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.48	
26 05 36 00-0529 EA 9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	446.80	177.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.91	
26 05 36 00-0530 EA 12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	476.83	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.11	
26 05 36 00-0531 EA 18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	511.45	198.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.63	
26 05 36 00-0532 EA 24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	575.88	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.89	
26 05 36 00-0533 EA 30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	642.58	240.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.23	
26 05 36 00-0534 EA 36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	701.28	258.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.56	
26 05 36 00-0535 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0536 EA 6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	591.81	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.61	
26 05 36 00-0537 EA 9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	619.28	198.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.42	
26 05 36 00-0538 EA 12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	648.47	210.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.31	
26 05 36 00-0539 EA 18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	690.80	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.38	
26 05 36 00-0540 EA 24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	769.71	259.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.37	
26 05 36 00-0541 EA 30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	828.06	280.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.42	
26 05 36 00-0542 EA 36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	927.66	305.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.28	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0543			36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0544	EA		6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	742.49	210.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.71	
26 05 36 00-0545	EA		9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	783.08	224.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.61	
26 05 36 00-0546	EA		12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	826.96	240.25
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.68	
26 05 36 00-0547	EA		18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	902.04	259.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.61	
26 05 36 00-0548	EA		24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,032.13	305.84
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.72	
26 05 36 00-0549	EA		30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,126.14	336.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.60	
26 05 36 00-0550	EA		36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,233.47	374.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.14	
26 05 36 00-0551			12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0552			12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0553	EA		6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	152.40	70.36
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.38	
26 05 36 00-0554	EA		9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	171.53	80.10
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.48	
26 05 36 00-0555	EA		12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	188.93	88.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.51	
26 05 36 00-0556	EA		18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	234.58	108.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.41	
26 05 36 00-0557	EA		24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	268.08	124.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.42	
26 05 36 00-0558	EA		30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	313.11	140.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.62	
26 05 36 00-0559	EA		36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	359.93	160.35
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.63	
26 05 36 00-0560			24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0561	EA		6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	194.54	73.16
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.36	
26 05 36 00-0562	EA		9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	215.00	84.10
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.49	
26 05 36 00-0563	EA		12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	233.49	93.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.56	
26 05 36 00-0564	EA		18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	277.32	116.16
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.05	
26 05 36 00-0565	EA		24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	314.43	134.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.22	
26 05 36 00-0566	EA		30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	352.60	152.91
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.52	
26 05 36 00-0567	EA		36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	411.36	177.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.38	
26 05 36 00-0568			36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0569 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	207.86	76.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.41	
26 05 36 00-0570 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	232.36	88.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.86	
26 05 36 00-0571 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	253.91	99.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.13	
26 05 36 00-0572 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	309.40	124.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.55	
26 05 36 00-0573 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	355.56	146.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.36	
26 05 36 00-0574 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	414.59	168.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.43	
26 05 36 00-0575 EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	475.92	197.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.11	
26 05 36 00-0576 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0577 EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	112.32	50.99
<i>For 60 Degree Bend, Deduct</i>	-17.52	
<i>For 30 Degree Bend, Deduct</i>	-32.04	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-6.98	
26 05 36 00-0578 EA 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	130.38	61.17
<i>For 60 Degree Bend, Deduct</i>	-19.59	
<i>For 30 Degree Bend, Deduct</i>	-36.04	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.94	
26 05 36 00-0579 EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	146.50	70.15
<i>For 60 Degree Bend, Deduct</i>	-21.46	
<i>For 30 Degree Bend, Deduct</i>	-39.66	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.80	
26 05 36 00-0580 EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	179.01	88.66
<i>For 60 Degree Bend, Deduct</i>	-25.09	
<i>For 30 Degree Bend, Deduct</i>	-46.75	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.51	
26 05 36 00-0581 EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	221.18	108.59
<i>For 60 Degree Bend, Deduct</i>	-31.36	
<i>For 30 Degree Bend, Deduct</i>	-58.31	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.07	
26 05 36 00-0582 EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	259.15	124.65
<i>For 60 Degree Bend, Deduct</i>	-37.73	
<i>For 30 Degree Bend, Deduct</i>	-69.81	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.53	
26 05 36 00-0583 EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	297.49	146.33
<i>For 60 Degree Bend, Deduct</i>	-42.08	
<i>For 30 Degree Bend, Deduct</i>	-78.26	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.55	
26 05 36 00-0584 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0585 EA 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	122.26	52.61
<i>For 60 Degree Bend, Deduct</i>	-20.19	
<i>For 30 Degree Bend, Deduct</i>	-36.57	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.84	
26 05 36 00-0586 EA 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	142.55	63.41
<i>For 60 Degree Bend, Deduct</i>	-22.73	
<i>For 30 Degree Bend, Deduct</i>	-41.41	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.97	
26 05 36 00-0587 EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	163.35	73.23
<i>For 60 Degree Bend, Deduct</i>	-25.84	
<i>For 30 Degree Bend, Deduct</i>	-47.13	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.23	
26 05 36 00-0588 EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	198.32	93.51
<i>For 60 Degree Bend, Deduct</i>	-29.59	
<i>For 30 Degree Bend, Deduct</i>	-54.52	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.04	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0589	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	244.93	116.16
			<i>For 60 Degree Bend, Deduct</i>	-36.31	
			<i>For 30 Degree Bend, Deduct</i>	-66.97	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.82	
26 05 36 00-0590	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	285.95	134.75
			<i>For 60 Degree Bend, Deduct</i>	-42.72	
			<i>For 30 Degree Bend, Deduct</i>	-78.69	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.37	
26 05 36 00-0591	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	337.68	160.42
			<i>For 60 Degree Bend, Deduct</i>	-49.95	
			<i>For 30 Degree Bend, Deduct</i>	-92.16	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.40	
26 05 36 00-0592			36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0593	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	140.14	54.29
			<i>For 60 Degree Bend, Deduct</i>	-25.45	
			<i>For 30 Degree Bend, Deduct</i>	-45.42	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.49	
26 05 36 00-0594	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	162.37	65.93
			<i>For 60 Degree Bend, Deduct</i>	-28.31	
			<i>For 30 Degree Bend, Deduct</i>	-50.85	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.74	
26 05 36 00-0595	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	181.14	76.53
			<i>For 60 Degree Bend, Deduct</i>	-30.44	
			<i>For 30 Degree Bend, Deduct</i>	-54.99	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.74	
26 05 36 00-0596	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	223.20	99.04
			<i>For 60 Degree Bend, Deduct</i>	-35.68	
			<i>For 30 Degree Bend, Deduct</i>	-64.96	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.06	
26 05 36 00-0597	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	269.20	124.65
			<i>For 60 Degree Bend, Deduct</i>	-41.05	
			<i>For 30 Degree Bend, Deduct</i>	-75.34	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.53	
26 05 36 00-0598	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	323.18	146.33
			<i>For 60 Degree Bend, Deduct</i>	-50.55	
			<i>For 30 Degree Bend, Deduct</i>	-92.39	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.12	
26 05 36 00-0599	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	383.44	177.12
			<i>For 60 Degree Bend, Deduct</i>	-58.63	
			<i>For 30 Degree Bend, Deduct</i>	-107.57	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.58	
26 05 36 00-0600			12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0601	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	165.49	70.15
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.70	
26 05 36 00-0602	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	183.26	80.10
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.65	
26 05 36 00-0603	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	198.98	88.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.52	
26 05 36 00-0604	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	234.58	108.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.41	
26 05 36 00-0605	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	263.62	124.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.97	
26 05 36 00-0606	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	294.12	140.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.72	
26 05 36 00-0607	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	329.46	160.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.60	
26 05 36 00-0608			24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0609 EA 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	190.63	73.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.97	
26 05 36 00-0610 EA 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	210.64	84.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.05	
26 05 36 00-0611 EA 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	229.03	93.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.11	
26 05 36 00-0612 EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	270.62	116.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.38	
26 05 36 00-0613 EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	305.49	134.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.32	
26 05 36 00-0614 EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	340.32	152.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.29	
26 05 36 00-0615 EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	391.26	177.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.37	
26 05 36 00-0616 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0617 EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	220.14	76.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.64	
26 05 36 00-0618 EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	243.65	88.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.98	
26 05 36 00-0619 EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	262.29	99.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.97	
26 05 36 00-0620 EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	312.75	124.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.89	
26 05 36 00-0621 EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	349.98	146.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.80	
26 05 36 00-0622 EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	401.19	168.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.09	
26 05 36 00-0623 EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	458.05	197.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.32	
26 05 36 00-0624 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0625 EA 6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	296.94	134.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.47	
26 05 36 00-0626 EA 9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	321.70	146.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.98	
26 05 36 00-0627 EA 12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	337.02	152.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.96	
26 05 36 00-0628 EA 18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	374.60	168.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.43	
26 05 36 00-0629 EA 24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	421.71	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.60	
26 05 36 00-0630 EA 30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	462.10	198.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.70	
26 05 36 00-0631 EA 36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	523.05	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.61	
26 05 36 00-0632 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0633 EA 6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	357.37	146.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.54	
26 05 36 00-0634 EA 9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	386.21	160.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.25	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0635 EA 12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	403.78	168.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.35	
26 05 36 00-0636 EA 18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	444.41	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.87	
26 05 36 00-0637 EA 24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	495.55	210.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.02	
26 05 36 00-0638 EA 30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	531.69	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.47	
26 05 36 00-0639 EA 36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	634.02	259.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.81	
26 05 36 00-0640 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0641 EA 6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	437.00	160.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.33	
26 05 36 00-0642 EA 9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	471.38	177.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.38	
26 05 36 00-0643 EA 12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	499.52	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.38	
26 05 36 00-0644 EA 18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	552.82	210.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.75	
26 05 36 00-0645 EA 24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	628.41	240.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.82	
26 05 36 00-0646 EA 30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	680.49	259.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.45	
26 05 36 00-0647 EA 36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	776.72	305.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.18	
26 05 36 00-0648 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0649 EA 6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	330.98	124.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.71	
26 05 36 00-0650 EA 9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	340.24	129.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.23	
26 05 36 00-0651 EA 12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	349.89	134.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.76	
26 05 36 00-0652 EA 18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	371.41	146.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.95	
26 05 36 00-0653 EA 24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	384.58	152.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.71	
26 05 36 00-0654 EA 30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	418.91	168.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.86	
26 05 36 00-0655 EA 36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	455.22	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.95	
26 05 36 00-0656 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0657 EA 6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	447.16	134.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.49	
26 05 36 00-0658 EA 9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	459.69	140.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.28	
26 05 36 00-0659 EA 12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	473.00	146.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.11	
26 05 36 00-0660 EA 18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	502.93	160.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.93	
26 05 36 00-0661 EA 24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	522.66	168.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0662 EA 30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	560.04	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.43	
26 05 36 00-0663 EA 36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	610.10	210.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.47	
26 05 36 00-0664 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0665 EA 6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	659.97	146.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.80	
26 05 36 00-0666 EA 9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	676.37	152.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.89	
26 05 36 00-0667 EA 12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	694.21	160.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.05	
26 05 36 00-0668 EA 18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	727.51	177.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.99	
26 05 36 00-0669 EA 24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	749.17	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.34	
26 05 36 00-0670 EA 30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	804.63	210.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.93	
26 05 36 00-0671 EA 36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	859.68	240.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.95	
26 05 36 00-0672 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0673 EA 6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	370.28	168.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.00	
26 05 36 00-0674 EA 9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	389.24	177.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.16	
26 05 36 00-0675 EA 12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	414.15	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.84	
26 05 36 00-0676 EA 18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	442.64	198.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.75	
26 05 36 00-0677 EA 24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	499.27	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.23	
26 05 36 00-0678 EA 30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	550.60	240.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.04	
26 05 36 00-0679 EA 36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	599.44	259.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.35	
26 05 36 00-0680 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0681 EA 6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	485.48	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.97	
26 05 36 00-0682 EA 9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	509.65	198.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.45	
26 05 36 00-0683 EA 12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	535.53	210.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.02	
26 05 36 00-0684 EA 18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	570.60	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.36	
26 05 36 00-0685 EA 24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	641.59	259.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.56	
26 05 36 00-0686 EA 30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	691.35	280.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.75	
26 05 36 00-0687 EA 36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	769.15	305.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.43	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-0688		36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>			
26 05 36 00-0689	EA	6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	593.89		210.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.85		
26 05 36 00-0690	EA	9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	627.88		224.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.09		
26 05 36 00-0691	EA	12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	665.16		240.25
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.50		
26 05 36 00-0692	EA	18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	723.72		259.19
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.78		
26 05 36 00-0693	EA	24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	833.99		305.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.91		
26 05 36 00-0694	EA	30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	911.50		336.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.14		
26 05 36 00-0695	EA	36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,002.32		374.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.03		
26 05 36 00-0696		12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>			
26 05 36 00-0697	EA	6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	410.64		168.35
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.04		
26 05 36 00-0698	EA	9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	431.65		177.19
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.40		
26 05 36 00-0699	EA	12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	460.29		186.86
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.46		
26 05 36 00-0700	EA	18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	493.34		198.23
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.82		
26 05 36 00-0701	EA	24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	555.69		224.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.87		
26 05 36 00-0702	EA	30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	618.38		240.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.81		
26 05 36 00-0703	EA	36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	674.29		258.83
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.86		
26 05 36 00-0704		24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>			
26 05 36 00-0705	EA	6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	563.77		186.86
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.80		
26 05 36 00-0706	EA	9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	590.38		198.16
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.53		
26 05 36 00-0707	EA	12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	618.69		210.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.33		
26 05 36 00-0708	EA	18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	659.11		224.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.22		
26 05 36 00-0709	EA	24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	735.94		259.19
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.00		
26 05 36 00-0710	EA	30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	792.02		280.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.82		
26 05 36 00-0711	EA	36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	885.87		305.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.10		
26 05 36 00-0712		36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>			
26 05 36 00-0713	EA	6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	703.31		210.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.79		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0714 EA 9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	742.16	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.52	
26 05 36 00-0715 EA 12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	784.30	240.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.41	
26 05 36 00-0716 EA 18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	855.03	259.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.91	
26 05 36 00-0717 EA 24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	979.89	305.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.50	
26 05 36 00-0718 EA 30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,069.56	336.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.94	
26 05 36 00-0719 EA 36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,172.53	374.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.05	
26 05 36 00-0720 Dropout Or End Plates And Reducers (26 05 36 00-0002)		
26 05 36 00-0721 Straight Reducers (26 05 36 00-0720)		
26 05 36 00-0722 EA 9"-6" Reducer, Steel Cable Tray.....	141.54	51.77
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.84	
26 05 36 00-0723 EA 12"-9" Reducer, Steel Cable Tray.....	149.87	56.05
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.32	
26 05 36 00-0724 EA 18"-12" Reducer, Steel Cable Tray.....	164.29	64.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.04	
26 05 36 00-0725 EA 24"-18" Reducer, Steel Cable Tray.....	182.37	74.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.00	
26 05 36 00-0726 EA 30"-24" Reducer, Steel Cable Tray.....	199.13	84.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.90	
26 05 36 00-0727 EA 36"-30" Reducer, Steel Cable Tray.....	226.33	96.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.62	
26 05 36 00-0728 Reducers (26 05 36 00-0720)		
26 05 36 00-0729 EA 18"-6" Reducer, Steel Cable Tray.....	166.76	64.74
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.28	
26 05 36 00-0730 EA 24"-12" Reducer, Steel Cable Tray.....	184.94	74.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.25	
26 05 36 00-0731 EA 30"-12" Reducer, Steel Cable Tray.....	203.82	84.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.37	
26 05 36 00-0732 EA 30"-18" Reducer, Steel Cable Tray.....	206.11	84.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.61	
26 05 36 00-0733 EA 36"-12" Reducer, Steel Cable Tray.....	227.53	96.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.74	
26 05 36 00-0734 EA 36"-18" Reducer, Steel Cable Tray.....	234.16	98.69
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.19	
26 05 36 00-0735 EA 36"-24" Reducer, Steel Cable Tray.....	241.81	101.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.69	
26 05 36 00-0736 Dropout Or End Plate (26 05 36 00-0720)		
26 05 36 00-0737 EA 6" Dropout Or End Plate, Steel Cable Tray.....	41.25	21.05
26 05 36 00-0738 EA 9" Dropout Or End Plate, Steel Cable Tray.....	47.32	24.06
26 05 36 00-0739 EA 12" Dropout Or End Plate, Steel Cable Tray.....	51.07	25.89
26 05 36 00-0740 EA 18" Dropout Or End Plate, Steel Cable Tray.....	60.30	30.58
26 05 36 00-0741 EA 24" Dropout Or End Plate, Steel Cable Tray.....	67.41	33.67
26 05 36 00-0742 EA 30" Dropout Or End Plate, Steel Cable Tray.....	74.73	37.39
26 05 36 00-0743 EA 36" Dropout Or End Plate, Steel Cable Tray.....	84.32	42.09
26 05 36 00-0744 Ladder Bottom Aluminum Cable Tray (26 05 36 00-0001)		
Note: 4-5/8" Height		
26 05 36 00-0745 Straight Tray Sections (26 05 36 00-0744)		
26 05 36 00-0746 4" Rung Spacing (26 05 36 00-0745)		
26 05 36 00-0747 LF 6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	22.61	4.91
<i>For Class 12C Instead Of Class 12B, Add</i>	2.57	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.85	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.13	
26 05 36 00-0748 LF 9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	23.86	5.19
<i>For Class 12C Instead Of Class 12B, Add</i>	2.72	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.96	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.19	
26 05 36 00-0749 LF 12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	25.11	5.40
<i>For Class 12C Instead Of Class 12B, Add</i>	2.86	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.06	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.26	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0750	LF		18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	27.79	5.90
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.18	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.29	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.39	
26 05 36 00-0751	LF		24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	31.40	6.32
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.66	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.62	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.57	
26 05 36 00-0752	LF		30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	34.21	6.74
			<i>For Class 12C Instead Of Class 12B, Add</i>	4.01	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.86	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.71	
26 05 36 00-0753	LF		36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	36.81	7.16
			<i>For Class 12C Instead Of Class 12B, Add</i>	4.33	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.08	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.84	
26 05 36 00-0754			6" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0755	LF		6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	21.30	4.91
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.37	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.72	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.07	
26 05 36 00-0756	LF		9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	22.47	5.19
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.51	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.82	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.12	
26 05 36 00-0757	LF		12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	23.65	5.40
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.64	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.91	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.18	
26 05 36 00-0758	LF		18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	26.16	5.90
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.94	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.12	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.31	
26 05 36 00-0759	LF		24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	29.49	6.32
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.38	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.43	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.47	
26 05 36 00-0760	LF		30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	32.12	6.74
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.70	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.65	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.61	
26 05 36 00-0761	LF		36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	34.55	7.16
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.99	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.86	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.73	
26 05 36 00-0762			9" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0763	LF		6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	19.36	4.70
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.12	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.54	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	0.97	
26 05 36 00-0764	LF		9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	19.77	4.91
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.14	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.57	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	0.99	
26 05 36 00-0765	LF		12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	21.06	5.19
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.30	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.68	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.05	
26 05 36 00-0766	LF		18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	22.51	5.54
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.45	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.79	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.13	
26 05 36 00-0767	LF		24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	24.89	5.76
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.78	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.01	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.24	
26 05 36 00-0768	LF		30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	27.40	6.18
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.08	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.22	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.37	
26 05 36 00-0769	LF		36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	29.25	6.74
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.26	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.36	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.46	
26 05 36 00-0770			12" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0771	LF		6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	18.89	4.56
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.07	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.51	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	0.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0772 LF 9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	19.23	4.70
<i>For Class 12C Instead Of Class 12B, Add</i>	2.10	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.53	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	0.96	
26 05 36 00-0773 LF 12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	20.08	4.98
<i>For Class 12C Instead Of Class 12B, Add</i>	2.18	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.59	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.00	
26 05 36 00-0774 LF 18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	21.26	5.26
<i>For Class 12C Instead Of Class 12B, Add</i>	2.31	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.69	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.06	
26 05 36 00-0775 LF 24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	22.79	5.33
<i>For Class 12C Instead Of Class 12B, Add</i>	2.52	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.83	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.14	
26 05 36 00-0776 LF 30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	24.60	5.90
<i>For Class 12C Instead Of Class 12B, Add</i>	2.71	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.97	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.23	
26 05 36 00-0777 LF 36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	26.20	6.39
<i>For Class 12C Instead Of Class 12B, Add</i>	2.87	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.09	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.31	
26 05 36 00-0778 18" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0779 LF 6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	18.62	4.42
<i>For Class 12C Instead Of Class 12B, Add</i>	2.06	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.49	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	0.93	
26 05 36 00-0780 LF 9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	18.77	4.63
<i>For Class 12C Instead Of Class 12B, Add</i>	2.05	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.49	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	0.94	
26 05 36 00-0781 LF 12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	19.73	4.77
<i>For Class 12C Instead Of Class 12B, Add</i>	2.16	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.57	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	0.99	
26 05 36 00-0782 LF 18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	20.77	5.05
<i>For Class 12C Instead Of Class 12B, Add</i>	2.28	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.66	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.04	
26 05 36 00-0783 LF 24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	21.86	5.12
<i>For Class 12C Instead Of Class 12B, Add</i>	2.43	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.76	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.09	
26 05 36 00-0784 LF 30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	23.08	5.61
<i>For Class 12C Instead Of Class 12B, Add</i>	2.53	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.84	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.15	
26 05 36 00-0785 LF 36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	24.62	6.11
<i>For Class 12C Instead Of Class 12B, Add</i>	2.67	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.95	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.23	
26 05 36 00-0786 4" Rung Tray Fittings <small>(26 05 36 00-0744)</small>		
26 05 36 00-0787 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0788 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	177.24	70.36
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.86	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.86	
26 05 36 00-0789 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	195.10	80.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.83	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.76	
26 05 36 00-0790 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	220.54	88.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.67	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.03	
26 05 36 00-0791 EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	263.03	108.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.25	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.15	
26 05 36 00-0792 EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	309.58	124.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.57	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.48	
26 05 36 00-0793 EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	341.70	140.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.48	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.09	
26 05 36 00-0794 EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	397.91	160.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.43	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.90	
26 05 36 00-0795 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0796 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	228.31	73.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.73	
For 6" Overall Height Instead Of 4-5/8", Add	11.42	
26 05 36 00-0797 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	251.10	84.10
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.10	
For 6" Overall Height Instead Of 4-5/8", Add	12.56	
26 05 36 00-0798 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	272.11	93.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.42	
For 6" Overall Height Instead Of 4-5/8", Add	13.61	
26 05 36 00-0799 EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	319.67	116.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.29	
For 6" Overall Height Instead Of 4-5/8", Add	15.98	
26 05 36 00-0800 EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	362.79	134.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.05	
For 6" Overall Height Instead Of 4-5/8", Add	18.14	
26 05 36 00-0801 EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	406.07	152.91
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.86	
For 6" Overall Height Instead Of 4-5/8", Add	20.30	
26 05 36 00-0802 EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	465.39	177.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.78	
For 6" Overall Height Instead Of 4-5/8", Add	23.27	
26 05 36 00-0803 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0796)		
26 05 36 00-0804 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	244.44	76.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.07	
For 6" Overall Height Instead Of 4-5/8", Add	12.22	
26 05 36 00-0805 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	267.52	88.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.38	
For 6" Overall Height Instead Of 4-5/8", Add	13.38	
26 05 36 00-0806 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	298.84	99.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.63	
For 6" Overall Height Instead Of 4-5/8", Add	14.94	
26 05 36 00-0807 EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	358.20	124.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.43	
For 6" Overall Height Instead Of 4-5/8", Add	17.91	
26 05 36 00-0808 EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	414.06	146.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.21	
For 6" Overall Height Instead Of 4-5/8", Add	20.70	
26 05 36 00-0809 EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	467.47	168.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.72	
For 6" Overall Height Instead Of 4-5/8", Add	23.37	
26 05 36 00-0810 EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	543.86	197.81
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.90	
For 6" Overall Height Instead Of 4-5/8", Add	27.19	
26 05 36 00-0811 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0796)		
26 05 36 00-0812 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	124.46	50.99
For 60 Degree Bend, Deduct	-21.53	
For 30 Degree Bend, Deduct	-38.72	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-8.20	
For 6" Overall Height Instead Of 4-5/8", Add	6.22	
26 05 36 00-0813 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	142.92	61.17
For 60 Degree Bend, Deduct	-23.73	
For 30 Degree Bend, Deduct	-42.94	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-9.20	
For 6" Overall Height Instead Of 4-5/8", Add	7.15	
26 05 36 00-0814 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	159.45	70.15
For 60 Degree Bend, Deduct	-25.73	
For 30 Degree Bend, Deduct	-46.78	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.10	
For 6" Overall Height Instead Of 4-5/8", Add	7.97	
26 05 36 00-0815 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	197.88	88.66
For 60 Degree Bend, Deduct	-31.32	
For 30 Degree Bend, Deduct	-57.13	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.40	
For 6" Overall Height Instead Of 4-5/8", Add	9.89	
26 05 36 00-0816 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	243.28	108.59
For 60 Degree Bend, Deduct	-38.66	
For 30 Degree Bend, Deduct	-70.46	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.28	
For 6" Overall Height Instead Of 4-5/8", Add	12.16	
26 05 36 00-0817 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	279.19	124.65
For 60 Degree Bend, Deduct	-44.34	
For 30 Degree Bend, Deduct	-80.83	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.53	
For 6" Overall Height Instead Of 4-5/8", Add	13.96	
26 05 36 00-0818 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	318.34	146.33
For 60 Degree Bend, Deduct	-48.96	
For 30 Degree Bend, Deduct	-89.73	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.64	
For 6" Overall Height Instead Of 4-5/8", Add	15.92	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0819	45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>			
	EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	140.82		52.61
	<i>For 60 Degree Bend, Deduct</i>	-26.31		
	<i>For 30 Degree Bend, Deduct</i>	-46.78		
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.70		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.04		
	EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	164.96		63.41
	<i>For 60 Degree Bend, Deduct</i>	-30.13		
	<i>For 30 Degree Bend, Deduct</i>	-53.73		
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.21		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.25		
	EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	182.81		73.23
	<i>For 60 Degree Bend, Deduct</i>	-32.26		
	<i>For 30 Degree Bend, Deduct</i>	-57.84		
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.18		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.14		
	EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	221.21		93.51
	<i>For 60 Degree Bend, Deduct</i>	-37.15		
	<i>For 30 Degree Bend, Deduct</i>	-67.11		
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.33		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.06		
	EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	269.53		116.16
	<i>For 60 Degree Bend, Deduct</i>	-44.43		
	<i>For 30 Degree Bend, Deduct</i>	-80.50		
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.28		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.48		
	EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	315.69		134.75
	<i>For 60 Degree Bend, Deduct</i>	-52.54		
	<i>For 30 Degree Bend, Deduct</i>	-95.04		
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.34		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.78		
	EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	363.05		160.42
	<i>For 60 Degree Bend, Deduct</i>	-58.32		
	<i>For 30 Degree Bend, Deduct</i>	-106.11		
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.94		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.15		
26 05 36 00-0827	45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>			
	EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	161.85		54.29
	<i>For 60 Degree Bend, Deduct</i>	-32.61		
	<i>For 30 Degree Bend, Deduct</i>	-57.36		
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.66		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.09		
	EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	182.81		65.93
	<i>For 60 Degree Bend, Deduct</i>	-35.05		
	<i>For 30 Degree Bend, Deduct</i>	-62.09		
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.79		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.14		
	EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	201.99		76.53
	<i>For 60 Degree Bend, Deduct</i>	-37.32		
	<i>For 30 Degree Bend, Deduct</i>	-66.46		
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.82		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.10		
	EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	247.18		99.04
	<i>For 60 Degree Bend, Deduct</i>	-43.59		
	<i>For 30 Degree Bend, Deduct</i>	-78.15		
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.46		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.36		
	EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	308.06		124.65
	<i>For 60 Degree Bend, Deduct</i>	-53.87		
	<i>For 30 Degree Bend, Deduct</i>	-96.71		
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.42		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.40		
	EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	350.25		146.33
	<i>For 60 Degree Bend, Deduct</i>	-59.49		
	<i>For 30 Degree Bend, Deduct</i>	-107.28		
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.83		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.51		
	EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	412.21		177.12
	<i>For 60 Degree Bend, Deduct</i>	-68.13		
	<i>For 30 Degree Bend, Deduct</i>	-123.39		
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.46		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.61		
26 05 36 00-0835	90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-0786)</small>			
	EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	191.52		70.15
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.31		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.58		
	EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	212.24		80.10
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.55		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.61		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0838 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	227.65 -15.38 11.38	88.59
26 05 36 00-0839 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	263.73 -17.32 13.19	108.59
26 05 36 00-0840 EA 24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	294.60 -19.07 14.73	124.65
26 05 36 00-0841 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	324.71 -20.78 16.24	140.29
26 05 36 00-0842 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	360.53 -22.71 18.03	160.14
26 05 36 00-0843 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-0786)</small>		
26 05 36 00-0844 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	202.67 -14.17 10.13	73.16
26 05 36 00-0845 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	224.40 -15.43 11.22	84.17
26 05 36 00-0846 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	242.02 -16.41 12.10	93.51
26 05 36 00-0847 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	284.45 -18.77 14.22	116.16
26 05 36 00-0848 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	320.85 -20.86 16.04	134.75
26 05 36 00-0849 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	356.63 -22.92 17.83	152.91
26 05 36 00-0850 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	403.75 -25.61 20.19	177.12
26 05 36 00-0851 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-0786)</small>		
26 05 36 00-0852 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	252.26 -18.85 12.61	76.46
26 05 36 00-0853 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	275.13 -20.13 13.76	88.59
26 05 36 00-0854 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	300.79 -21.82 15.04	99.04
26 05 36 00-0855 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	348.87 -24.50 17.44	124.65
26 05 36 00-0856 EA 24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	390.40 -26.85 19.52	146.33
26 05 36 00-0857 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	437.95 -29.77 21.90	168.35
26 05 36 00-0858 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	493.78 -32.90 24.69	197.81
26 05 36 00-0859 12" Radius Horizontal Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0860 EA 6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	310.59 -19.83 15.53	134.75
26 05 36 00-0861 EA 9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	335.60 -21.37 16.78	146.33
26 05 36 00-0862 EA 12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	348.01 -22.06 17.40	152.91
26 05 36 00-0863 EA 18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	392.04 -25.18 19.60	168.35
26 05 36 00-0864 EA 24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	434.23 -27.85 21.71	186.86
26 05 36 00-0865 EA 30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	472.75 -30.76 23.64	198.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0866 EA 36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	544.62	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.77	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.23	
26 05 36 00-0867 24" Radius Horizontal Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0868 EA 6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	390.62	146.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.87	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.53	
26 05 36 00-0869 EA 9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	422.53	160.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.89	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.13	
26 05 36 00-0870 EA 12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	440.01	168.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.97	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.00	
26 05 36 00-0871 EA 18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	485.02	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.93	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.25	
26 05 36 00-0872 EA 24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	539.79	210.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.44	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.99	
26 05 36 00-0873 EA 30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	581.31	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.44	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.07	
26 05 36 00-0874 EA 36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	749.37	259.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.34	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.47	
26 05 36 00-0875 36" Radius Horizontal Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0876 EA 6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	474.73	160.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.11	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.74	
26 05 36 00-0877 EA 9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	508.26	177.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.07	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.41	
26 05 36 00-0878 EA 12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	544.27	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.85	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.21	
26 05 36 00-0879 EA 18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	596.22	210.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.09	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.81	
26 05 36 00-0880 EA 24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	671.27	240.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.11	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.56	
26 05 36 00-0881 EA 30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	774.77	259.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.88	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.74	
26 05 36 00-0882 EA 36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	890.71	305.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.58	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.54	
26 05 36 00-0883 12" Radius Vertical Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0884 EA 6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	401.07	124.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.72	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.05	
26 05 36 00-0885 EA 9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	414.89	129.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.69	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.74	
26 05 36 00-0886 EA 12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	424.87	134.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.26	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.24	
26 05 36 00-0887 EA 18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	448.47	146.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.65	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.42	
26 05 36 00-0888 EA 24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	476.40	152.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.90	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.82	
26 05 36 00-0889 EA 30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	506.32	168.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.60	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.32	
26 05 36 00-0890 EA 36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	544.27	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.85	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.21	
26 05 36 00-0891 24" Radius Vertical Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0892 EA 6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	551.85	134.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.96	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.59	
26 05 36 00-0893 EA 9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	565.37	140.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.85	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.27	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0894 EA 12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	579.68	146.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.77	
For 6" Overall Height Instead Of 4-5/8", Add	28.98	
26 05 36 00-0895 EA 18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	612.99	160.42
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.93	
For 6" Overall Height Instead Of 4-5/8", Add	30.65	
26 05 36 00-0896 EA 24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	634.71	168.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.44	
For 6" Overall Height Instead Of 4-5/8", Add	31.74	
26 05 36 00-0897 EA 30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	674.07	186.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.83	
For 6" Overall Height Instead Of 4-5/8", Add	33.70	
26 05 36 00-0898 EA 36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	745.77	210.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.04	
For 6" Overall Height Instead Of 4-5/8", Add	37.29	
26 05 36 00-0899 36" Radius Vertical Tee (26 05 36 00-0786)		
26 05 36 00-0900 EA 6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	866.57	146.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-74.46	
For 6" Overall Height Instead Of 4-5/8", Add	43.33	
26 05 36 00-0901 EA 9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	885.66	152.91
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-75.82	
For 6" Overall Height Instead Of 4-5/8", Add	44.28	
26 05 36 00-0902 EA 12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	906.18	160.42
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-77.25	
For 6" Overall Height Instead Of 4-5/8", Add	45.31	
26 05 36 00-0903 EA 18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	942.17	177.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-79.46	
For 6" Overall Height Instead Of 4-5/8", Add	47.11	
26 05 36 00-0904 EA 24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	966.52	186.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-81.08	
For 6" Overall Height Instead Of 4-5/8", Add	48.33	
26 05 36 00-0905 EA 30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,030.02	210.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.47	
For 6" Overall Height Instead Of 4-5/8", Add	51.50	
26 05 36 00-0906 EA 36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,087.75	240.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-88.76	
For 6" Overall Height Instead Of 4-5/8", Add	54.39	
26 05 36 00-0907 12" Radius Horizontal Crosses (26 05 36 00-0786)		
26 05 36 00-0908 EA 6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	400.50	168.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.02	
For 6" Overall Height Instead Of 4-5/8", Add	20.03	
26 05 36 00-0909 EA 9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	427.84	177.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.02	
For 6" Overall Height Instead Of 4-5/8", Add	21.39	
26 05 36 00-0910 EA 12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	445.51	186.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.98	
For 6" Overall Height Instead Of 4-5/8", Add	22.28	
26 05 36 00-0911 EA 18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	492.50	198.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.74	
For 6" Overall Height Instead Of 4-5/8", Add	24.63	
26 05 36 00-0912 EA 24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	541.80	224.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.48	
For 6" Overall Height Instead Of 4-5/8", Add	27.09	
26 05 36 00-0913 EA 30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	597.90	240.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.77	
For 6" Overall Height Instead Of 4-5/8", Add	29.90	
26 05 36 00-0914 EA 36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	678.83	259.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.29	
For 6" Overall Height Instead Of 4-5/8", Add	33.94	
26 05 36 00-0915 24" Radius Horizontal Crosses (26 05 36 00-0786)		
26 05 36 00-0916 EA 6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	541.45	186.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.57	
For 6" Overall Height Instead Of 4-5/8", Add	27.07	
26 05 36 00-0917 EA 9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	567.28	198.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.22	
For 6" Overall Height Instead Of 4-5/8", Add	28.36	
26 05 36 00-0918 EA 12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	594.81	210.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.94	
For 6" Overall Height Instead Of 4-5/8", Add	29.74	
26 05 36 00-0919 EA 18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	630.69	224.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.37	
For 6" Overall Height Instead Of 4-5/8", Add	31.53	
26 05 36 00-0920 EA 24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	711.28	259.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.53	
For 6" Overall Height Instead Of 4-5/8", Add	35.56	
26 05 36 00-0921 EA 30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	717.67	280.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.39	
For 6" Overall Height Instead Of 4-5/8", Add	35.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0922 EA 36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	791.65	305.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.68	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.58	
26 05 36 00-0923 36" Radius Horizontal Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0924 EA 6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	621.62	210.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.63	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.08	
26 05 36 00-0925 EA 9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	609.78	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.28	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.49	
26 05 36 00-0926 EA 12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	650.41	240.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.02	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.52	
26 05 36 00-0927 EA 18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	750.79	259.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.48	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.54	
26 05 36 00-0928 EA 24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	904.82	305.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.99	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	45.24	
26 05 36 00-0929 EA 30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	997.64	336.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.75	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	49.88	
26 05 36 00-0930 EA 36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,110.82	374.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.88	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	55.54	
26 05 36 00-0931 12" Radius Vertical Cross <small>(26 05 36 00-0786)</small>		
26 05 36 00-0932 EA 6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	400.50	168.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.02	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.03	
26 05 36 00-0933 EA 9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	427.94	177.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.03	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.40	
26 05 36 00-0934 EA 12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	445.45	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.97	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.27	
26 05 36 00-0935 EA 18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	492.62	198.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.74	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.63	
26 05 36 00-0936 EA 24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	541.80	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.48	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.09	
26 05 36 00-0937 EA 30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	598.08	240.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.78	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.90	
26 05 36 00-0938 EA 36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	678.30	258.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.26	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.92	
26 05 36 00-0939 24" Radius Vertical Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0940 EA 6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	541.45	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.57	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.07	
26 05 36 00-0941 EA 9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	567.28	198.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.22	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.36	
26 05 36 00-0942 EA 12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	594.81	210.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.94	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.74	
26 05 36 00-0943 EA 18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	630.69	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.37	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.53	
26 05 36 00-0944 EA 24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	711.28	259.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.53	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.56	
26 05 36 00-0945 EA 30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	766.74	280.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.29	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.34	
26 05 36 00-0946 EA 36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	846.98	305.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.21	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.35	
26 05 36 00-0947 36" Radius Vertical Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0948 EA 6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	743.51	210.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.81	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.18	
26 05 36 00-0949 EA 9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	783.06	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.61	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.15	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0950 EA 12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	834.08	240.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.39	
For 6" Overall Height Instead Of 4-5/8", Add	41.70	
26 05 36 00-0951 EA 18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	894.27	259.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.83	
For 6" Overall Height Instead Of 4-5/8", Add	44.71	
26 05 36 00-0952 EA 24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,082.59	305.84
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-82.77	
For 6" Overall Height Instead Of 4-5/8", Add	54.13	
26 05 36 00-0953 EA 30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,194.45	336.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-91.43	
For 6" Overall Height Instead Of 4-5/8", Add	59.72	
26 05 36 00-0954 EA 36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,329.85	374.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-101.78	
For 6" Overall Height Instead Of 4-5/8", Add	66.49	
26 05 36 00-0955 6" Rung Tray Fittings (26 05 36 00-0744)		
26 05 36 00-0956 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0955)		
26 05 36 00-0957 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	168.66	70.36
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.01	
For 6" Overall Height Instead Of 4-5/8", Add	8.43	
26 05 36 00-0958 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	186.30	80.10
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.95	
For 6" Overall Height Instead Of 4-5/8", Add	9.32	
26 05 36 00-0959 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	210.12	88.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.63	
For 6" Overall Height Instead Of 4-5/8", Add	10.51	
26 05 36 00-0960 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	251.31	108.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.08	
For 6" Overall Height Instead Of 4-5/8", Add	12.57	
26 05 36 00-0961 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	295.04	124.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.12	
For 6" Overall Height Instead Of 4-5/8", Add	14.75	
26 05 36 00-0962 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	326.29	140.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.94	
For 6" Overall Height Instead Of 4-5/8", Add	16.31	
26 05 36 00-0963 EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	379.24	160.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.56	
For 6" Overall Height Instead Of 4-5/8", Add	18.96	
26 05 36 00-0964 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-0955)		
26 05 36 00-0965 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	213.11	73.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.21	
For 6" Overall Height Instead Of 4-5/8", Add	10.66	
26 05 36 00-0966 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	235.25	84.10
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.52	
For 6" Overall Height Instead Of 4-5/8", Add	11.76	
26 05 36 00-0967 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	255.51	93.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.76	
For 6" Overall Height Instead Of 4-5/8", Add	12.78	
26 05 36 00-0968 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	301.65	116.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.49	
For 6" Overall Height Instead Of 4-5/8", Add	15.08	
26 05 36 00-0969 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	343.04	134.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.08	
For 6" Overall Height Instead Of 4-5/8", Add	17.15	
26 05 36 00-0970 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	384.47	152.91
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.70	
For 6" Overall Height Instead Of 4-5/8", Add	19.22	
26 05 36 00-0971 EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	441.08	177.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.35	
For 6" Overall Height Instead Of 4-5/8", Add	22.05	
26 05 36 00-0972 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0955)		
26 05 36 00-0973 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	227.73	76.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.40	
For 6" Overall Height Instead Of 4-5/8", Add	11.39	
26 05 36 00-0974 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	250.37	88.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.66	
For 6" Overall Height Instead Of 4-5/8", Add	12.52	
26 05 36 00-0975 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	279.74	99.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.72	
For 6" Overall Height Instead Of 4-5/8", Add	13.99	
26 05 36 00-0976 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	336.71	124.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.28	
For 6" Overall Height Instead Of 4-5/8", Add	16.84	
26 05 36 00-0977 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	389.75	146.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.78	
For 6" Overall Height Instead Of 4-5/8", Add	19.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0978 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	440.77	168.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.05	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.04	
26 05 36 00-0979 EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	513.26	197.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.84	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.66	
26 05 36 00-0980 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0981 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	118.82	50.99
<i>For 60 Degree Bend, Deduct</i>	-19.67	
<i>For 30 Degree Bend, Deduct</i>	-35.62	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.63	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.94	
26 05 36 00-0982 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	137.06	61.17
<i>For 60 Degree Bend, Deduct</i>	-21.79	
<i>For 30 Degree Bend, Deduct</i>	-39.72	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.61	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.85	
26 05 36 00-0983 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	153.38	70.15
<i>For 60 Degree Bend, Deduct</i>	-23.73	
<i>For 30 Degree Bend, Deduct</i>	-43.44	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.49	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.67	
26 05 36 00-0984 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	190.72	88.66
<i>For 60 Degree Bend, Deduct</i>	-28.96	
<i>For 30 Degree Bend, Deduct</i>	-53.19	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.69	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.54	
26 05 36 00-0985 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	234.38	108.59
<i>For 60 Degree Bend, Deduct</i>	-35.72	
<i>For 30 Degree Bend, Deduct</i>	-65.57	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.39	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.72	
26 05 36 00-0986 EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	268.99	124.65
<i>For 60 Degree Bend, Deduct</i>	-40.98	
<i>For 30 Degree Bend, Deduct</i>	-75.22	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.51	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.45	
26 05 36 00-0987 EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	307.70	146.33
<i>For 60 Degree Bend, Deduct</i>	-45.45	
<i>For 30 Degree Bend, Deduct</i>	-83.87	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.58	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.39	
26 05 36 00-0988 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0989 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	133.22	52.61
<i>For 60 Degree Bend, Deduct</i>	-23.81	
<i>For 30 Degree Bend, Deduct</i>	-42.60	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.94	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.66	
26 05 36 00-0990 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	156.49	63.41
<i>For 60 Degree Bend, Deduct</i>	-27.33	
<i>For 30 Degree Bend, Deduct</i>	-49.07	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.36	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.82	
26 05 36 00-0991 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	174.12	73.23
<i>For 60 Degree Bend, Deduct</i>	-29.39	
<i>For 30 Degree Bend, Deduct</i>	-53.06	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.31	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.71	
26 05 36 00-0992 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	211.88	93.51
<i>For 60 Degree Bend, Deduct</i>	-34.07	
<i>For 30 Degree Bend, Deduct</i>	-61.98	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.39	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.59	
26 05 36 00-0993 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	258.68	116.16
<i>For 60 Degree Bend, Deduct</i>	-40.85	
<i>For 30 Degree Bend, Deduct</i>	-74.53	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.19	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.93	
26 05 36 00-0994 EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	302.67	134.75
<i>For 60 Degree Bend, Deduct</i>	-48.24	
<i>For 30 Degree Bend, Deduct</i>	-87.88	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.04	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.13	
26 05 36 00-0995 EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	349.38	160.42
<i>For 60 Degree Bend, Deduct</i>	-53.81	
<i>For 30 Degree Bend, Deduct</i>	-98.59	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.57	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.47	
26 05 36 00-0996 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0997	EA		6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	151.65	54.29
			<i>For 60 Degree Bend, Deduct</i>	-29.24	
			<i>For 30 Degree Bend, Deduct</i>	-51.75	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.64	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.58	
26 05 36 00-0998	EA		9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	172.39	65.93
			<i>For 60 Degree Bend, Deduct</i>	-31.62	
			<i>For 30 Degree Bend, Deduct</i>	-56.36	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.75	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.62	
26 05 36 00-0999	EA		12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	191.35	76.53
			<i>For 60 Degree Bend, Deduct</i>	-33.81	
			<i>For 30 Degree Bend, Deduct</i>	-60.60	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.76	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.57	
26 05 36 00-1000	EA		18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	235.46	99.04
			<i>For 60 Degree Bend, Deduct</i>	-39.72	
			<i>For 30 Degree Bend, Deduct</i>	-71.71	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.29	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.77	
26 05 36 00-1001	EA		24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	293.73	124.65
			<i>For 60 Degree Bend, Deduct</i>	-49.14	
			<i>For 30 Degree Bend, Deduct</i>	-88.83	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.98	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.69	
26 05 36 00-1002	EA		30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	335.05	146.33
			<i>For 60 Degree Bend, Deduct</i>	-54.47	
			<i>For 30 Degree Bend, Deduct</i>	-98.92	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.31	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.75	
26 05 36 00-1003	EA		36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	395.50	177.12
			<i>For 60 Degree Bend, Deduct</i>	-62.61	
			<i>For 30 Degree Bend, Deduct</i>	-114.20	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.79	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.78	
26 05 36 00-1004			90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-0955)</small>		
26 05 36 00-1005	EA		6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	185.55	70.15
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.71	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.28	
26 05 36 00-1006	EA		9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	205.95	80.10
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.92	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.30	
26 05 36 00-1007	EA		12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	221.25	88.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.74	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.06	
26 05 36 00-1008	EA		18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	257.11	108.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.66	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.86	
26 05 36 00-1009	EA		24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	287.66	124.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.38	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.38	
26 05 36 00-1010	EA		30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	317.44	140.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.05	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.87	
26 05 36 00-1011	EA		36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	353.04	160.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.96	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.65	
26 05 36 00-1012			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-0955)</small>		
26 05 36 00-1013	EA		6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	196.21	73.16
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.52	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.81	
26 05 36 00-1014	EA		9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	217.67	84.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.75	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.88	
26 05 36 00-1015	EA		12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	235.13	93.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.72	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.76	
26 05 36 00-1016	EA		18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	277.18	116.16
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.04	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.86	
26 05 36 00-1017	EA		24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	313.14	134.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.09	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.66	
26 05 36 00-1018	EA		30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	348.50	152.91
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.11	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.43	
26 05 36 00-1019	EA		36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	395.07	177.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.75	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1020 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-0955)</small>		
26 05 36 00-1021 EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	242.27	76.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.85	
For 6" Overall Height Instead Of 4-5/8", Add	12.11	
26 05 36 00-1022 EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	264.93	88.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.11	
For 6" Overall Height Instead Of 4-5/8", Add	13.25	
26 05 36 00-1023 EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	289.94	99.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.74	
For 6" Overall Height Instead Of 4-5/8", Add	14.50	
26 05 36 00-1024 EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	337.58	124.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.37	
For 6" Overall Height Instead Of 4-5/8", Add	16.88	
26 05 36 00-1025 EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	378.68	146.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.67	
For 6" Overall Height Instead Of 4-5/8", Add	18.93	
26 05 36 00-1026 EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	425.36	168.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.51	
For 6" Overall Height Instead Of 4-5/8", Add	21.27	
26 05 36 00-1027 EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	480.65	197.81
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.58	
For 6" Overall Height Instead Of 4-5/8", Add	24.03	
26 05 36 00-1028 12" Radius Horizontal Tees <small>(26 05 36 00-0955)</small>		
26 05 36 00-1029 EA 6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	303.97	134.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.17	
For 6" Overall Height Instead Of 4-5/8", Add	15.20	
26 05 36 00-1030 EA 9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	328.54	146.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.66	
For 6" Overall Height Instead Of 4-5/8", Add	16.43	
26 05 36 00-1031 EA 12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	340.84	152.91
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.34	
For 6" Overall Height Instead Of 4-5/8", Add	17.04	
26 05 36 00-1032 EA 18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	383.46	168.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.32	
For 6" Overall Height Instead Of 4-5/8", Add	19.17	
26 05 36 00-1033 EA 24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	424.78	186.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.90	
For 6" Overall Height Instead Of 4-5/8", Add	21.24	
26 05 36 00-1034 EA 30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	461.79	198.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.67	
For 6" Overall Height Instead Of 4-5/8", Add	23.09	
26 05 36 00-1035 EA 36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	531.49	224.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.45	
For 6" Overall Height Instead Of 4-5/8", Add	26.57	
26 05 36 00-1036 24" Radius Horizontal Tees <small>(26 05 36 00-0955)</small>		
26 05 36 00-1037 EA 6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	379.33	146.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.74	
For 6" Overall Height Instead Of 4-5/8", Add	18.97	
26 05 36 00-1038 EA 9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	410.59	160.42
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.69	
For 6" Overall Height Instead Of 4-5/8", Add	20.53	
26 05 36 00-1039 EA 12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	427.74	168.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.75	
For 6" Overall Height Instead Of 4-5/8", Add	21.39	
26 05 36 00-1040 EA 18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	471.67	186.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.59	
For 6" Overall Height Instead Of 4-5/8", Add	23.58	
26 05 36 00-1041 EA 24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	525.24	210.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.99	
For 6" Overall Height Instead Of 4-5/8", Add	26.26	
26 05 36 00-1042 EA 30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	565.35	224.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.84	
For 6" Overall Height Instead Of 4-5/8", Add	28.27	
26 05 36 00-1043 EA 36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	724.96	259.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.90	
For 6" Overall Height Instead Of 4-5/8", Add	36.25	
26 05 36 00-1044 36" Radius Horizontal Tees <small>(26 05 36 00-0955)</small>		
26 05 36 00-1045 EA 6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	458.77	160.42
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.51	
For 6" Overall Height Instead Of 4-5/8", Add	22.94	
26 05 36 00-1046 EA 9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	491.87	177.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.43	
For 6" Overall Height Instead Of 4-5/8", Add	24.59	
26 05 36 00-1047 EA 12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	526.37	186.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.06	
For 6" Overall Height Instead Of 4-5/8", Add	26.32	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1048 EA 18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	577.34	210.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.20	
For 6" Overall Height Instead Of 4-5/8", Add	28.87	
26 05 36 00-1049 EA 24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	650.43	240.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.02	
For 6" Overall Height Instead Of 4-5/8", Add	32.52	
26 05 36 00-1050 EA 30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	748.40	259.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.24	
For 6" Overall Height Instead Of 4-5/8", Add	37.42	
26 05 36 00-1051 EA 36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	861.41	305.84
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.65	
For 6" Overall Height Instead Of 4-5/8", Add	43.07	
26 05 36 00-1052 12" Radius Vertical Tees (26 05 36 00-0955)		
26 05 36 00-1053 EA 6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	386.20	124.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.23	
For 6" Overall Height Instead Of 4-5/8", Add	19.31	
26 05 36 00-1054 EA 9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	399.59	129.56
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.16	
For 6" Overall Height Instead Of 4-5/8", Add	19.98	
26 05 36 00-1055 EA 12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	409.46	134.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.72	
For 6" Overall Height Instead Of 4-5/8", Add	20.47	
26 05 36 00-1056 EA 18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	432.73	146.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.08	
For 6" Overall Height Instead Of 4-5/8", Add	21.64	
26 05 36 00-1057 EA 24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	459.36	152.91
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.19	
For 6" Overall Height Instead Of 4-5/8", Add	22.97	
26 05 36 00-1058 EA 30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	488.95	168.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.87	
For 6" Overall Height Instead Of 4-5/8", Add	24.45	
26 05 36 00-1059 EA 36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	526.37	186.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.06	
For 6" Overall Height Instead Of 4-5/8", Add	26.32	
26 05 36 00-1060 24" Radius Vertical Tees (26 05 36 00-0955)		
26 05 36 00-1061 EA 6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	526.67	134.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.44	
For 6" Overall Height Instead Of 4-5/8", Add	26.33	
26 05 36 00-1062 EA 9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	539.87	140.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.30	
For 6" Overall Height Instead Of 4-5/8", Add	26.99	
26 05 36 00-1063 EA 12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	553.85	146.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.19	
For 6" Overall Height Instead Of 4-5/8", Add	27.69	
26 05 36 00-1064 EA 18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	586.40	160.42
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.27	
For 6" Overall Height Instead Of 4-5/8", Add	29.32	
26 05 36 00-1065 EA 24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	607.47	168.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.72	
For 6" Overall Height Instead Of 4-5/8", Add	30.37	
26 05 36 00-1066 EA 30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	646.18	186.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.04	
For 6" Overall Height Instead Of 4-5/8", Add	32.31	
26 05 36 00-1067 EA 36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	715.38	210.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.00	
For 6" Overall Height Instead Of 4-5/8", Add	35.77	
26 05 36 00-1068 36" Radius Vertical Tees (26 05 36 00-0955)		
26 05 36 00-1069 EA 6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	818.68	146.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-69.67	
For 6" Overall Height Instead Of 4-5/8", Add	40.93	
26 05 36 00-1070 EA 9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	837.14	152.91
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-70.97	
For 6" Overall Height Instead Of 4-5/8", Add	41.86	
26 05 36 00-1071 EA 12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	857.04	160.42
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-72.34	
For 6" Overall Height Instead Of 4-5/8", Add	42.85	
26 05 36 00-1072 EA 18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	892.41	177.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-74.48	
For 6" Overall Height Instead Of 4-5/8", Add	44.62	
26 05 36 00-1073 EA 24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	916.13	186.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.04	
For 6" Overall Height Instead Of 4-5/8", Add	45.81	
26 05 36 00-1074 EA 30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	977.77	210.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-80.24	
For 6" Overall Height Instead Of 4-5/8", Add	48.89	
26 05 36 00-1075 EA 36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,034.88	240.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-83.47	
For 6" Overall Height Instead Of 4-5/8", Add	51.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1076 12" Radius Horizontal Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1077 EA 6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	391.28	168.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.10	
For 6" Overall Height Instead Of 4-5/8", Add	19.56	
26 05 36 00-1078 EA 9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	417.64	177.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.00	
For 6" Overall Height Instead Of 4-5/8", Add	20.88	
26 05 36 00-1079 EA 12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	435.20	186.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.95	
For 6" Overall Height Instead Of 4-5/8", Add	21.76	
26 05 36 00-1080 EA 18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	480.02	198.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.49	
For 6" Overall Height Instead Of 4-5/8", Add	24.00	
26 05 36 00-1081 EA 24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	528.89	224.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.19	
For 6" Overall Height Instead Of 4-5/8", Add	26.44	
26 05 36 00-1082 EA 30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	582.71	240.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.25	
For 6" Overall Height Instead Of 4-5/8", Add	29.14	
26 05 36 00-1083 EA 36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	659.84	259.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.39	
For 6" Overall Height Instead Of 4-5/8", Add	32.99	
26 05 36 00-1084 24" Radius Horizontal Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1085 EA 6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	523.76	186.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.80	
For 6" Overall Height Instead Of 4-5/8", Add	26.19	
26 05 36 00-1086 EA 9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	549.04	198.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.39	
For 6" Overall Height Instead Of 4-5/8", Add	27.45	
26 05 36 00-1087 EA 12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	576.03	210.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.07	
For 6" Overall Height Instead Of 4-5/8", Add	28.80	
26 05 36 00-1088 EA 18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	610.94	224.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.40	
For 6" Overall Height Instead Of 4-5/8", Add	30.55	
26 05 36 00-1089 EA 24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	689.79	259.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.38	
For 6" Overall Height Instead Of 4-5/8", Add	34.49	
26 05 36 00-1090 EA 30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	743.74	280.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.99	
For 6" Overall Height Instead Of 4-5/8", Add	37.19	
26 05 36 00-1091 EA 36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	821.04	305.84
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.62	
For 6" Overall Height Instead Of 4-5/8", Add	41.05	
26 05 36 00-1092 36" Radius Horizontal Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1093 EA 6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	600.78	210.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.54	
For 6" Overall Height Instead Of 4-5/8", Add	30.04	
26 05 36 00-1094 EA 9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	634.38	224.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.74	
For 6" Overall Height Instead Of 4-5/8", Add	31.72	
26 05 36 00-1095 EA 12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	676.48	240.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.63	
For 6" Overall Height Instead Of 4-5/8", Add	33.82	
26 05 36 00-1096 EA 18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	726.26	259.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.03	
For 6" Overall Height Instead Of 4-5/8", Add	36.31	
26 05 36 00-1097 EA 24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	874.43	305.84
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.95	
For 6" Overall Height Instead Of 4-5/8", Add	43.72	
26 05 36 00-1098 EA 30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	963.99	336.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.39	
For 6" Overall Height Instead Of 4-5/8", Add	48.20	
26 05 36 00-1099 EA 36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,073.38	374.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.13	
For 6" Overall Height Instead Of 4-5/8", Add	53.67	
26 05 36 00-1100 12" Radius Vertical Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1101 EA 6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	391.28	168.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.10	
For 6" Overall Height Instead Of 4-5/8", Add	19.56	
26 05 36 00-1102 EA 9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	417.74	177.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.01	
For 6" Overall Height Instead Of 4-5/8", Add	20.89	
26 05 36 00-1103 EA 12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	435.14	186.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.94	
For 6" Overall Height Instead Of 4-5/8", Add	21.76	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1104 EA 18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	480.14	198.23
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.50	
For 6" Overall Height Instead Of 4-5/8", Add	24.01	
26 05 36 00-1105 EA 24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	528.89	224.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.19	
For 6" Overall Height Instead Of 4-5/8", Add	26.44	
26 05 36 00-1106 EA 30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	582.89	240.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.26	
For 6" Overall Height Instead Of 4-5/8", Add	29.14	
26 05 36 00-1107 EA 36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	659.31	258.83
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.36	
For 6" Overall Height Instead Of 4-5/8", Add	32.97	
26 05 36 00-1108 24" Radius Vertical Crosses (26 05 36 00-0955)		
26 05 36 00-1109 EA 6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	523.76	186.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.80	
For 6" Overall Height Instead Of 4-5/8", Add	26.19	
26 05 36 00-1110 EA 9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	549.04	198.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.39	
For 6" Overall Height Instead Of 4-5/8", Add	27.45	
26 05 36 00-1111 EA 12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	576.03	210.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.07	
For 6" Overall Height Instead Of 4-5/8", Add	28.80	
26 05 36 00-1112 EA 18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	610.94	224.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.40	
For 6" Overall Height Instead Of 4-5/8", Add	30.55	
26 05 36 00-1113 EA 24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	689.79	259.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.38	
For 6" Overall Height Instead Of 4-5/8", Add	34.49	
26 05 36 00-1114 EA 30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	743.74	280.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.99	
For 6" Overall Height Instead Of 4-5/8", Add	37.19	
26 05 36 00-1115 EA 36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	821.04	305.84
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.62	
For 6" Overall Height Instead Of 4-5/8", Add	41.05	
26 05 36 00-1116 36" Radius Vertical Crosses (26 05 36 00-0955)		
26 05 36 00-1117 EA 6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	713.30	210.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.79	
For 6" Overall Height Instead Of 4-5/8", Add	35.67	
26 05 36 00-1118 EA 9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	751.59	224.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.46	
For 6" Overall Height Instead Of 4-5/8", Add	37.58	
26 05 36 00-1119 EA 12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	800.72	240.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.05	
For 6" Overall Height Instead Of 4-5/8", Add	40.04	
26 05 36 00-1120 EA 18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	858.71	259.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.27	
For 6" Overall Height Instead Of 4-5/8", Add	42.94	
26 05 36 00-1121 EA 24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,038.53	305.84
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-78.36	
For 6" Overall Height Instead Of 4-5/8", Add	51.93	
26 05 36 00-1122 EA 30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,145.67	336.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-86.55	
For 6" Overall Height Instead Of 4-5/8", Add	57.28	
26 05 36 00-1123 EA 36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,275.56	374.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-96.35	
For 6" Overall Height Instead Of 4-5/8", Add	63.78	
26 05 36 00-1124 9" Rung Tray Fittings (26 05 36 00-0744)		
26 05 36 00-1125 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1124)		
26 05 36 00-1126 EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	160.09	70.36
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.15	
For 6" Overall Height Instead Of 4-5/8", Add	8.00	
26 05 36 00-1127 EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	177.51	80.10
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.07	
For 6" Overall Height Instead Of 4-5/8", Add	8.88	
26 05 36 00-1128 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	199.70	88.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.59	
For 6" Overall Height Instead Of 4-5/8", Add	9.99	
26 05 36 00-1129 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	239.59	108.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.91	
For 6" Overall Height Instead Of 4-5/8", Add	11.98	
26 05 36 00-1130 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	280.49	124.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.66	
For 6" Overall Height Instead Of 4-5/8", Add	14.02	
26 05 36 00-1131 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	310.87	140.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.40	
For 6" Overall Height Instead Of 4-5/8", Add	15.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1132 EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	360.57	160.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.70	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.03	
26 05 36 00-1133 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1134 EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	197.92	73.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.69	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.90	
26 05 36 00-1135 EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	219.41	84.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.93	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.97	
26 05 36 00-1136 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	238.90	93.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.10	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.95	
26 05 36 00-1137 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	283.64	116.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.69	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.18	
26 05 36 00-1138 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	323.29	134.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.10	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.16	
26 05 36 00-1139 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	362.88	152.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.54	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.14	
26 05 36 00-1140 EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	416.77	177.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.92	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.84	
26 05 36 00-1141 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1142 EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	211.02	76.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.73	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.55	
26 05 36 00-1143 EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	233.23	88.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.95	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.66	
26 05 36 00-1144 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	260.63	99.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.81	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.03	
26 05 36 00-1145 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	315.22	124.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.13	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.76	
26 05 36 00-1146 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	365.44	146.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.35	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.27	
26 05 36 00-1147 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	414.07	168.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.38	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.70	
26 05 36 00-1148 EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	482.65	197.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.78	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.13	
26 05 36 00-1149 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1150 EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	113.18	50.99
<i>For 60 Degree Bend, Deduct</i>	-17.81	
<i>For 30 Degree Bend, Deduct</i>	-32.51	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.07	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.66	
26 05 36 00-1151 EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	131.20	61.17
<i>For 60 Degree Bend, Deduct</i>	-19.86	
<i>For 30 Degree Bend, Deduct</i>	-36.50	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.03	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.56	
26 05 36 00-1152 EA 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	147.30	70.15
<i>For 60 Degree Bend, Deduct</i>	-21.72	
<i>For 30 Degree Bend, Deduct</i>	-40.10	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.88	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.37	
26 05 36 00-1153 EA 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	183.55	88.66
<i>For 60 Degree Bend, Deduct</i>	-26.59	
<i>For 30 Degree Bend, Deduct</i>	-49.24	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.97	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.18	
26 05 36 00-1154 EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	225.48	108.59
<i>For 60 Degree Bend, Deduct</i>	-32.78	
<i>For 30 Degree Bend, Deduct</i>	-60.67	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.50	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.27	
26 05 36 00-1155 EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	258.79	124.65
<i>For 60 Degree Bend, Deduct</i>	-37.61	
<i>For 30 Degree Bend, Deduct</i>	-69.61	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.49	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.94	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1156 EA 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	297.07	146.33
For 60 Degree Bend, Deduct	-41.94	
For 30 Degree Bend, Deduct	-78.03	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.51	
For 6" Overall Height Instead Of 4-5/8", Add	14.85	
26 05 36 00-1157 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1124)		
26 05 36 00-1158 EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	125.62	52.61
For 60 Degree Bend, Deduct	-21.30	
For 30 Degree Bend, Deduct	-38.42	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-8.18	
For 6" Overall Height Instead Of 4-5/8", Add	6.28	
26 05 36 00-1159 EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	148.03	63.41
For 60 Degree Bend, Deduct	-24.54	
For 30 Degree Bend, Deduct	-44.42	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-9.52	
For 6" Overall Height Instead Of 4-5/8", Add	7.40	
26 05 36 00-1160 EA 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	165.44	73.23
For 60 Degree Bend, Deduct	-26.53	
For 30 Degree Bend, Deduct	-48.28	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.44	
For 6" Overall Height Instead Of 4-5/8", Add	8.27	
26 05 36 00-1161 EA 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	202.55	93.51
For 60 Degree Bend, Deduct	-30.99	
For 30 Degree Bend, Deduct	-56.84	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.46	
For 6" Overall Height Instead Of 4-5/8", Add	10.13	
26 05 36 00-1162 EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	247.82	116.16
For 60 Degree Bend, Deduct	-37.26	
For 30 Degree Bend, Deduct	-68.56	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.10	
For 6" Overall Height Instead Of 4-5/8", Add	12.39	
26 05 36 00-1163 EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	289.65	134.75
For 60 Degree Bend, Deduct	-43.94	
For 30 Degree Bend, Deduct	-80.72	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.74	
For 6" Overall Height Instead Of 4-5/8", Add	14.48	
26 05 36 00-1164 EA 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	335.70	160.42
For 60 Degree Bend, Deduct	-49.30	
For 30 Degree Bend, Deduct	-91.07	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.20	
For 6" Overall Height Instead Of 4-5/8", Add	16.79	
26 05 36 00-1165 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1124)		
26 05 36 00-1166 EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	141.45	54.29
For 60 Degree Bend, Deduct	-25.88	
For 30 Degree Bend, Deduct	-46.14	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-9.62	
For 6" Overall Height Instead Of 4-5/8", Add	7.07	
26 05 36 00-1167 EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	161.97	65.93
For 60 Degree Bend, Deduct	-28.18	
For 30 Degree Bend, Deduct	-50.63	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.70	
For 6" Overall Height Instead Of 4-5/8", Add	8.10	
26 05 36 00-1168 EA 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	180.72	76.53
For 60 Degree Bend, Deduct	-30.30	
For 30 Degree Bend, Deduct	-54.76	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.70	
For 6" Overall Height Instead Of 4-5/8", Add	9.04	
26 05 36 00-1169 EA 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	223.74	99.04
For 60 Degree Bend, Deduct	-35.85	
For 30 Degree Bend, Deduct	-65.26	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.12	
For 6" Overall Height Instead Of 4-5/8", Add	11.19	
26 05 36 00-1170 EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	279.41	124.65
For 60 Degree Bend, Deduct	-44.42	
For 30 Degree Bend, Deduct	-80.95	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.55	
For 6" Overall Height Instead Of 4-5/8", Add	13.97	
26 05 36 00-1171 EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	319.86	146.33
For 60 Degree Bend, Deduct	-49.46	
For 30 Degree Bend, Deduct	-90.56	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.79	
For 6" Overall Height Instead Of 4-5/8", Add	15.99	
26 05 36 00-1172 EA 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	378.79	177.12
For 60 Degree Bend, Deduct	-57.10	
For 30 Degree Bend, Deduct	-105.01	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.12	
For 6" Overall Height Instead Of 4-5/8", Add	18.94	
26 05 36 00-1173 90 Degree, 12" Radius Vertical Risers (26 05 36 00-1124)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1174 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	176.60 -11.81 8.83	70.15
26 05 36 00-1175 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	196.51 -12.97 9.83	80.10
26 05 36 00-1176 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	211.64 -13.78 10.58	88.59
26 05 36 00-1177 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	247.18 -15.67 12.36	108.59
26 05 36 00-1178 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	277.24 -17.34 13.86	124.65
26 05 36 00-1179 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	306.53 -18.96 15.33	140.29
26 05 36 00-1180 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	341.80 -20.83 17.09	160.14
26 05 36 00-1181 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1124)</small>		
26 05 36 00-1182 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	186.52 -12.55 9.33	73.16
26 05 36 00-1183 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	207.58 -13.74 10.38	84.17
26 05 36 00-1184 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	224.80 -14.69 11.24	93.51
26 05 36 00-1185 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	266.27 -16.95 13.31	116.16
26 05 36 00-1186 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	301.58 -18.93 15.08	134.75
26 05 36 00-1187 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	336.29 -20.88 16.81	152.91
26 05 36 00-1188 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	382.04 -23.44 19.10	177.12
26 05 36 00-1189 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1124)</small>		
26 05 36 00-1190 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	227.30 -16.36 11.37	76.46
26 05 36 00-1191 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	249.63 -17.58 12.48	88.59
26 05 36 00-1192 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	273.66 -19.11 13.68	99.04
26 05 36 00-1193 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	320.65 -21.68 16.03	124.65
26 05 36 00-1194 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	361.10 -23.92 18.06	146.33
26 05 36 00-1195 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	406.47 -26.62 20.32	168.35
26 05 36 00-1196 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	460.95 -29.61 23.05	197.81
26 05 36 00-1197 12" Radius Horizontal Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1198 EA 6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	290.73 -17.85 14.54	134.75
26 05 36 00-1199 EA 9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	314.43 -19.25 15.72	146.33
26 05 36 00-1200 EA 12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	326.52 -19.91 16.33	152.91
26 05 36 00-1201 EA 18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	366.32 -22.60 18.32	168.35

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1202 EA 24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	405.90	186.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.02	
For 6" Overall Height Instead Of 4-5/8", Add	20.30	
26 05 36 00-1203 EA 30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	439.86	198.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.47	
For 6" Overall Height Instead Of 4-5/8", Add	21.99	
26 05 36 00-1204 EA 36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	505.23	224.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.83	
For 6" Overall Height Instead Of 4-5/8", Add	25.26	
26 05 36 00-1205 24" Radius Horizontal Tees (26 05 36 00-1124)		
26 05 36 00-1206 EA 6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	356.76	146.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.48	
For 6" Overall Height Instead Of 4-5/8", Add	17.84	
26 05 36 00-1207 EA 9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	386.71	160.42
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.30	
For 6" Overall Height Instead Of 4-5/8", Add	19.34	
26 05 36 00-1208 EA 12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	403.22	168.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.29	
For 6" Overall Height Instead Of 4-5/8", Add	20.16	
26 05 36 00-1209 EA 18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	444.97	186.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.92	
For 6" Overall Height Instead Of 4-5/8", Add	22.25	
26 05 36 00-1210 EA 24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	496.16	210.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.08	
For 6" Overall Height Instead Of 4-5/8", Add	24.81	
26 05 36 00-1211 EA 30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	533.45	224.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.65	
For 6" Overall Height Instead Of 4-5/8", Add	26.67	
26 05 36 00-1212 EA 36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	676.12	259.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.02	
For 6" Overall Height Instead Of 4-5/8", Add	33.81	
26 05 36 00-1213 36" Radius Horizontal Tees (26 05 36 00-1124)		
26 05 36 00-1214 EA 6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	426.87	160.42
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.32	
For 6" Overall Height Instead Of 4-5/8", Add	21.34	
26 05 36 00-1215 EA 9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	459.10	177.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.15	
For 6" Overall Height Instead Of 4-5/8", Add	22.96	
26 05 36 00-1216 EA 12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	490.55	186.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.48	
For 6" Overall Height Instead Of 4-5/8", Add	24.53	
26 05 36 00-1217 EA 18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	539.57	210.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.42	
For 6" Overall Height Instead Of 4-5/8", Add	26.98	
26 05 36 00-1218 EA 24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	608.75	240.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.86	
For 6" Overall Height Instead Of 4-5/8", Add	30.44	
26 05 36 00-1219 EA 30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	695.65	259.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.97	
For 6" Overall Height Instead Of 4-5/8", Add	34.78	
26 05 36 00-1220 EA 36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	802.81	305.84
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.79	
For 6" Overall Height Instead Of 4-5/8", Add	40.14	
26 05 36 00-1221 12" Radius Vertical Tees (26 05 36 00-1124)		
26 05 36 00-1222 EA 6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	356.46	124.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.26	
For 6" Overall Height Instead Of 4-5/8", Add	17.82	
26 05 36 00-1223 EA 9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	368.98	129.56
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.10	
For 6" Overall Height Instead Of 4-5/8", Add	18.45	
26 05 36 00-1224 EA 12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	378.64	134.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.64	
For 6" Overall Height Instead Of 4-5/8", Add	18.93	
26 05 36 00-1225 EA 18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	401.26	146.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.93	
For 6" Overall Height Instead Of 4-5/8", Add	20.06	
26 05 36 00-1226 EA 24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	425.28	152.91
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.78	
For 6" Overall Height Instead Of 4-5/8", Add	21.26	
26 05 36 00-1227 EA 30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	454.22	168.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.39	
For 6" Overall Height Instead Of 4-5/8", Add	22.71	
26 05 36 00-1228 EA 36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	490.55	186.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.48	
For 6" Overall Height Instead Of 4-5/8", Add	24.53	
26 05 36 00-1229 24" Radius Vertical Tees (26 05 36 00-1124)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1230 EA 6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	476.31	134.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.40	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.82	
26 05 36 00-1231 EA 9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	488.86	140.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.20	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.44	
26 05 36 00-1232 EA 12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	502.19	146.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.02	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.11	
26 05 36 00-1233 EA 18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	533.22	160.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.96	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.66	
26 05 36 00-1234 EA 24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	552.99	168.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.27	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.65	
26 05 36 00-1235 EA 30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	590.40	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.47	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.52	
26 05 36 00-1236 EA 36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	654.61	210.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.92	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.73	
26 05 36 00-1237 36" Radius Vertical Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1238 EA 6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	722.88	146.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.09	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.14	
26 05 36 00-1239 EA 9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	740.10	152.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.27	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.01	
26 05 36 00-1240 EA 12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	758.76	160.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.51	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.94	
26 05 36 00-1241 EA 18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	792.88	177.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.53	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.64	
26 05 36 00-1242 EA 24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	815.35	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.96	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.77	
26 05 36 00-1243 EA 30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	873.26	210.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.79	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.66	
26 05 36 00-1244 EA 36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	929.13	240.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.89	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	46.46	
26 05 36 00-1245 12" Radius Horizontal Crosses <small>(26 05 36 00-1124)</small>		
26 05 36 00-1246 EA 6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	372.83	168.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.25	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.64	
26 05 36 00-1247 EA 9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	397.24	177.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.96	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.86	
26 05 36 00-1248 EA 12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	414.58	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.88	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.73	
26 05 36 00-1249 EA 18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	455.06	198.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.99	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.75	
26 05 36 00-1250 EA 24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	503.06	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.61	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.15	
26 05 36 00-1251 EA 30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	552.32	240.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.21	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.62	
26 05 36 00-1252 EA 36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	621.85	259.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.59	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.09	
26 05 36 00-1253 24" Radius Horizontal Crosses <small>(26 05 36 00-1124)</small>		
26 05 36 00-1254 EA 6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	488.38	186.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.26	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.42	
26 05 36 00-1255 EA 9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	512.58	198.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.75	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.63	
26 05 36 00-1256 EA 12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	538.48	210.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.31	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.92	
26 05 36 00-1257 EA 18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	571.43	224.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.45	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.57	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1258 EA 24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	646.82	259.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.09	
For 6" Overall Height Instead Of 4-5/8", Add	32.34	
26 05 36 00-1259 EA 30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	697.72	280.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.39	
For 6" Overall Height Instead Of 4-5/8", Add	34.89	
26 05 36 00-1260 EA 36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	769.16	305.84
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.43	
For 6" Overall Height Instead Of 4-5/8", Add	38.46	
26 05 36 00-1261 36" Radius Horizontal Crosses (26 05 36 00-1124)		
26 05 36 00-1262 EA 6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	559.10	210.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.37	
For 6" Overall Height Instead Of 4-5/8", Add	27.96	
26 05 36 00-1263 EA 9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	590.97	224.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.40	
For 6" Overall Height Instead Of 4-5/8", Add	29.55	
26 05 36 00-1264 EA 12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	630.46	240.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.03	
For 6" Overall Height Instead Of 4-5/8", Add	31.52	
26 05 36 00-1265 EA 18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	677.20	259.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.12	
For 6" Overall Height Instead Of 4-5/8", Add	33.86	
26 05 36 00-1266 EA 24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	813.66	305.84
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.88	
For 6" Overall Height Instead Of 4-5/8", Add	40.68	
26 05 36 00-1267 EA 30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	896.71	336.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.66	
For 6" Overall Height Instead Of 4-5/8", Add	44.84	
26 05 36 00-1268 EA 36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	998.49	374.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.65	
For 6" Overall Height Instead Of 4-5/8", Add	49.92	
26 05 36 00-1269 12" Radius Vertical Crosses (26 05 36 00-1124)		
26 05 36 00-1270 EA 6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	372.83	168.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.25	
For 6" Overall Height Instead Of 4-5/8", Add	18.64	
26 05 36 00-1271 EA 9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	397.24	177.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.96	
For 6" Overall Height Instead Of 4-5/8", Add	19.86	
26 05 36 00-1272 EA 12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	414.58	186.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.88	
For 6" Overall Height Instead Of 4-5/8", Add	20.73	
26 05 36 00-1273 EA 18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	455.06	198.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.99	
For 6" Overall Height Instead Of 4-5/8", Add	22.75	
26 05 36 00-1274 EA 24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	503.06	224.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.61	
For 6" Overall Height Instead Of 4-5/8", Add	25.15	
26 05 36 00-1275 EA 30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	552.32	240.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.21	
For 6" Overall Height Instead Of 4-5/8", Add	27.62	
26 05 36 00-1276 EA 36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	620.79	258.48
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.54	
For 6" Overall Height Instead Of 4-5/8", Add	31.04	
26 05 36 00-1277 24" Radius Vertical Crosses (26 05 36 00-1124)		
26 05 36 00-1278 EA 6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	488.38	186.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.26	
For 6" Overall Height Instead Of 4-5/8", Add	24.42	
26 05 36 00-1279 EA 9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	512.58	198.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.75	
For 6" Overall Height Instead Of 4-5/8", Add	25.63	
26 05 36 00-1280 EA 12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	538.48	210.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.31	
For 6" Overall Height Instead Of 4-5/8", Add	26.92	
26 05 36 00-1281 EA 18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	571.43	224.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.45	
For 6" Overall Height Instead Of 4-5/8", Add	28.57	
26 05 36 00-1282 EA 24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	646.82	259.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.09	
For 6" Overall Height Instead Of 4-5/8", Add	32.34	
26 05 36 00-1283 EA 30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	697.72	280.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.39	
For 6" Overall Height Instead Of 4-5/8", Add	34.89	
26 05 36 00-1284 EA 36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	769.16	305.84
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.43	
For 6" Overall Height Instead Of 4-5/8", Add	38.46	
26 05 36 00-1285 36" Radius Vertical Crosses (26 05 36 00-1124)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1286 EA 6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	652.87 -47.75 32.64	210.44
26 05 36 00-1287 EA 9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	688.64 -50.17 34.43	224.32
26 05 36 00-1288 EA 12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	734.00 -53.38 36.70	240.25
26 05 36 00-1289 EA 18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	787.58 -57.16 39.38	259.19
26 05 36 00-1290 EA 24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	950.40 -69.55 47.52	305.84
26 05 36 00-1291 EA 30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,048.10 -76.80 52.41	336.14
26 05 36 00-1292 EA 36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,166.98 -85.49 58.35	374.44
26 05 36 00-1293 12" Rung Tray Fittings <small>(26 05 36 00-0744)</small>		
26 05 36 00-1294 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1295 EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	157.09 -9.85 7.85	70.36
26 05 36 00-1296 EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	174.44 -10.77 8.72	80.10
26 05 36 00-1297 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	196.06 -12.23 9.80	88.59
26 05 36 00-1298 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	235.48 -14.50 11.77	108.59
26 05 36 00-1299 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	275.40 -17.15 13.77	124.65
26 05 36 00-1300 EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	305.48 -18.86 15.27	140.29
26 05 36 00-1301 EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	354.04 -22.04 17.70	160.35
26 05 36 00-1302 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1303 EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	192.60 -13.16 9.63	73.16
26 05 36 00-1304 EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	213.86 -14.38 10.69	84.10
26 05 36 00-1305 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	233.09 -15.52 11.65	93.51
26 05 36 00-1306 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	277.33 -18.06 13.87	116.16
26 05 36 00-1307 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	316.38 -20.41 15.82	134.75
26 05 36 00-1308 EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	355.32 -22.79 17.77	152.91
26 05 36 00-1309 EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	408.26 -26.07 20.41	177.12
26 05 36 00-1310 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1311 EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	205.17 -14.14 10.26	76.46
26 05 36 00-1312 EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	227.23 -15.35 11.36	88.52
26 05 36 00-1313 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	253.95 -17.14 12.70	99.04

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1314 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	307.70	124.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.38	
For 6" Overall Height Instead Of 4-5/8", Add	15.39	
26 05 36 00-1315 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	356.93	146.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.50	
For 6" Overall Height Instead Of 4-5/8", Add	17.85	
26 05 36 00-1316 EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	404.73	168.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.44	
For 6" Overall Height Instead Of 4-5/8", Add	20.24	
26 05 36 00-1317 EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	471.94	197.81
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.71	
For 6" Overall Height Instead Of 4-5/8", Add	23.60	
26 05 36 00-1318 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1293)		
26 05 36 00-1319 EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	111.20	50.99
For 60 Degree Bend, Deduct	-17.16	
For 30 Degree Bend, Deduct	-31.42	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-6.87	
For 6" Overall Height Instead Of 4-5/8", Add	5.56	
26 05 36 00-1320 EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	129.15	61.17
For 60 Degree Bend, Deduct	-19.18	
For 30 Degree Bend, Deduct	-35.37	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-7.82	
For 6" Overall Height Instead Of 4-5/8", Add	6.46	
26 05 36 00-1321 EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	145.17	70.15
For 60 Degree Bend, Deduct	-21.02	
For 30 Degree Bend, Deduct	-38.93	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-8.67	
For 6" Overall Height Instead Of 4-5/8", Add	7.26	
26 05 36 00-1322 EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	181.05	88.66
For 60 Degree Bend, Deduct	-25.77	
For 30 Degree Bend, Deduct	-47.87	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.72	
For 6" Overall Height Instead Of 4-5/8", Add	9.05	
26 05 36 00-1323 EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	222.36	108.59
For 60 Degree Bend, Deduct	-31.75	
For 30 Degree Bend, Deduct	-58.96	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.19	
For 6" Overall Height Instead Of 4-5/8", Add	11.12	
26 05 36 00-1324 EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	255.22	124.65
For 60 Degree Bend, Deduct	-36.43	
For 30 Degree Bend, Deduct	-67.65	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.13	
For 6" Overall Height Instead Of 4-5/8", Add	12.76	
26 05 36 00-1325 EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	293.35	146.33
For 60 Degree Bend, Deduct	-40.71	
For 30 Degree Bend, Deduct	-75.98	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.14	
For 6" Overall Height Instead Of 4-5/8", Add	14.67	
26 05 36 00-1326 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1293)		
26 05 36 00-1327 EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	122.97	52.61
For 60 Degree Bend, Deduct	-20.42	
For 30 Degree Bend, Deduct	-36.96	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-7.92	
For 6" Overall Height Instead Of 4-5/8", Add	6.15	
26 05 36 00-1328 EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	145.06	63.41
For 60 Degree Bend, Deduct	-23.56	
For 30 Degree Bend, Deduct	-42.79	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-9.22	
For 6" Overall Height Instead Of 4-5/8", Add	7.25	
26 05 36 00-1329 EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	162.40	73.23
For 60 Degree Bend, Deduct	-25.53	
For 30 Degree Bend, Deduct	-46.61	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.14	
For 6" Overall Height Instead Of 4-5/8", Add	8.12	
26 05 36 00-1330 EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	199.28	93.51
For 60 Degree Bend, Deduct	-29.91	
For 30 Degree Bend, Deduct	-55.05	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.13	
For 6" Overall Height Instead Of 4-5/8", Add	9.96	
26 05 36 00-1331 EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	244.03	116.16
For 60 Degree Bend, Deduct	-36.01	
For 30 Degree Bend, Deduct	-66.47	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.73	
For 6" Overall Height Instead Of 4-5/8", Add	12.20	
26 05 36 00-1332 EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	285.09	134.75
For 60 Degree Bend, Deduct	-42.44	
For 30 Degree Bend, Deduct	-78.21	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.28	
For 6" Overall Height Instead Of 4-5/8", Add	14.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1333 EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	330.92	160.42
<i>For 60 Degree Bend, Deduct</i>	-47.72	
<i>For 30 Degree Bend, Deduct</i>	-88.44	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.73	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.55	
26 05 36 00-1334 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1335 EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	137.88	54.29
<i>For 60 Degree Bend, Deduct</i>	-24.70	
<i>For 30 Degree Bend, Deduct</i>	-44.18	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.27	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.89	
26 05 36 00-1336 EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	158.33	65.93
<i>For 60 Degree Bend, Deduct</i>	-26.98	
<i>For 30 Degree Bend, Deduct</i>	-48.62	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.34	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.92	
26 05 36 00-1337 EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	177.00	76.53
<i>For 60 Degree Bend, Deduct</i>	-29.08	
<i>For 30 Degree Bend, Deduct</i>	-52.71	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.32	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.85	
26 05 36 00-1338 EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	219.63	99.04
<i>For 60 Degree Bend, Deduct</i>	-34.50	
<i>For 30 Degree Bend, Deduct</i>	-63.00	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.71	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.98	
26 05 36 00-1339 EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	274.39	124.65
<i>For 60 Degree Bend, Deduct</i>	-42.76	
<i>For 30 Degree Bend, Deduct</i>	-78.19	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.05	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.72	
26 05 36 00-1340 EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	314.54	146.33
<i>For 60 Degree Bend, Deduct</i>	-47.70	
<i>For 30 Degree Bend, Deduct</i>	-87.64	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.26	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.73	
26 05 36 00-1341 EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	372.94	177.12
<i>For 60 Degree Bend, Deduct</i>	-55.17	
<i>For 30 Degree Bend, Deduct</i>	-101.79	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.53	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.65	
26 05 36 00-1342 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1343 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	170.63	70.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.22	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.53	
26 05 36 00-1344 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	190.21	80.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.34	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.51	
26 05 36 00-1345 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	205.24	88.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.14	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.26	
26 05 36 00-1346 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	240.56	108.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.01	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.03	
26 05 36 00-1347 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	270.29	124.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.64	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.51	
26 05 36 00-1348 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	299.26	140.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.24	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.96	
26 05 36 00-1349 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	334.32	160.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.09	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.72	
26 05 36 00-1350 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1351 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	180.07	73.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.91	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.00	
26 05 36 00-1352 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	200.85	84.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.07	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.04	
26 05 36 00-1353 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	217.90	93.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.00	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.90	
26 05 36 00-1354 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	259.00	116.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.22	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.95	
26 05 36 00-1355 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	293.88	134.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.16	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.69	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1356 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	328.15	152.91
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.07	
For 6" Overall Height Instead Of 4-5/8", Add	16.41	
26 05 36 00-1357 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	373.36	177.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.58	
For 6" Overall Height Instead Of 4-5/8", Add	18.67	
26 05 36 00-1358 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1359 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	217.31	76.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.36	
For 6" Overall Height Instead Of 4-5/8", Add	10.87	
26 05 36 00-1360 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	239.42	88.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.56	
For 6" Overall Height Instead Of 4-5/8", Add	11.97	
26 05 36 00-1361 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	262.81	99.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.02	
For 6" Overall Height Instead Of 4-5/8", Add	13.14	
26 05 36 00-1362 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	309.36	124.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.55	
For 6" Overall Height Instead Of 4-5/8", Add	15.47	
26 05 36 00-1363 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	349.38	146.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.74	
For 6" Overall Height Instead Of 4-5/8", Add	17.47	
26 05 36 00-1364 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	393.88	168.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.36	
For 6" Overall Height Instead Of 4-5/8", Add	19.69	
26 05 36 00-1365 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	447.82	197.81
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.30	
For 6" Overall Height Instead Of 4-5/8", Add	22.39	
26 05 36 00-1366 12" Radius Horizontal Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1367 EA 6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	284.11	134.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.18	
For 6" Overall Height Instead Of 4-5/8", Add	14.21	
26 05 36 00-1368 EA 9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	307.38	146.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.54	
For 6" Overall Height Instead Of 4-5/8", Add	15.37	
26 05 36 00-1369 EA 12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	319.36	152.91
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.19	
For 6" Overall Height Instead Of 4-5/8", Add	15.97	
26 05 36 00-1370 EA 18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	357.74	168.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.75	
For 6" Overall Height Instead Of 4-5/8", Add	17.89	
26 05 36 00-1371 EA 24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	396.46	186.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.07	
For 6" Overall Height Instead Of 4-5/8", Add	19.82	
26 05 36 00-1372 EA 30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	428.90	198.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.38	
For 6" Overall Height Instead Of 4-5/8", Add	21.45	
26 05 36 00-1373 EA 36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	492.10	224.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.51	
For 6" Overall Height Instead Of 4-5/8", Add	24.61	
26 05 36 00-1374 24" Radius Horizontal Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1375 EA 6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	345.47	146.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.35	
For 6" Overall Height Instead Of 4-5/8", Add	17.27	
26 05 36 00-1376 EA 9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	374.77	160.42
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.11	
For 6" Overall Height Instead Of 4-5/8", Add	18.74	
26 05 36 00-1377 EA 12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	390.95	168.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.07	
For 6" Overall Height Instead Of 4-5/8", Add	19.55	
26 05 36 00-1378 EA 18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	431.62	186.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.59	
For 6" Overall Height Instead Of 4-5/8", Add	21.58	
26 05 36 00-1379 EA 24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	481.61	210.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.62	
For 6" Overall Height Instead Of 4-5/8", Add	24.08	
26 05 36 00-1380 EA 30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	517.49	224.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.05	
For 6" Overall Height Instead Of 4-5/8", Add	25.87	
26 05 36 00-1381 EA 36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	651.70	259.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.57	
For 6" Overall Height Instead Of 4-5/8", Add	32.59	
26 05 36 00-1382 36" Radius Horizontal Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1383 EA 6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	410.91	160.42
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.72	
For 6" Overall Height Instead Of 4-5/8", Add	20.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1384 EA 9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	442.71 -29.51 22.14	177.12
26 05 36 00-1385 EA 12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	472.64 -31.69 23.63	186.86
26 05 36 00-1386 EA 18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	520.68 -34.53 26.03	210.44
26 05 36 00-1387 EA 24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	587.92 -38.77 29.40	240.25
26 05 36 00-1388 EA 30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	669.28 -45.33 33.46	259.19
26 05 36 00-1389 EA 36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	773.50 -51.86 38.68	305.84
26 05 36 00-1390 12" Radius Vertical Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1391 EA 6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	341.60 -23.77 17.08	124.65
26 05 36 00-1392 EA 9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	353.68 -24.57 17.68	129.56
26 05 36 00-1393 EA 12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	363.23 -25.10 18.16	134.75
26 05 36 00-1394 EA 18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	385.52 -26.36 19.28	146.33
26 05 36 00-1395 EA 24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	408.24 -28.08 20.41	152.91
26 05 36 00-1396 EA 30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	436.86 -29.66 21.84	168.35
26 05 36 00-1397 EA 36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	472.64 -31.69 23.63	186.86
26 05 36 00-1398 24" Radius Vertical Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1399 EA 6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	451.14 -33.89 22.56	134.75
26 05 36 00-1400 EA 9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	463.36 -34.65 23.17	140.29
26 05 36 00-1401 EA 12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	476.36 -35.44 23.82	146.33
26 05 36 00-1402 EA 18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	506.63 -37.30 25.33	160.42
26 05 36 00-1403 EA 24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	525.74 -38.55 26.29	168.35
26 05 36 00-1404 EA 30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	562.51 -40.68 28.13	186.86
26 05 36 00-1405 EA 36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	624.22 -44.89 31.21	210.44
26 05 36 00-1406 36" Radius Vertical Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1407 EA 6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	674.98 -55.30 33.75	146.33
26 05 36 00-1408 EA 9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	691.58 -56.41 34.58	152.91
26 05 36 00-1409 EA 12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	709.61 -57.59 35.48	160.42
26 05 36 00-1410 EA 18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	743.11 -59.55 37.16	177.12
26 05 36 00-1411 EA 24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	764.97 -60.92 38.25	186.86

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1412 EA 30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	821.01	210.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.56	
For 6" Overall Height Instead Of 4-5/8", Add	41.05	
26 05 36 00-1413 EA 36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	876.25	240.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.61	
For 6" Overall Height Instead Of 4-5/8", Add	43.81	
26 05 36 00-1414 12" Radius Horizontal Crosses (26 05 36 00-1293)		
26 05 36 00-1415 EA 6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	363.60	168.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.33	
For 6" Overall Height Instead Of 4-5/8", Add	18.18	
26 05 36 00-1416 EA 9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	387.03	177.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.94	
For 6" Overall Height Instead Of 4-5/8", Add	19.35	
26 05 36 00-1417 EA 12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	404.27	186.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.85	
For 6" Overall Height Instead Of 4-5/8", Add	20.21	
26 05 36 00-1418 EA 18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	442.58	198.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.75	
For 6" Overall Height Instead Of 4-5/8", Add	22.13	
26 05 36 00-1419 EA 24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	490.14	224.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.32	
For 6" Overall Height Instead Of 4-5/8", Add	24.51	
26 05 36 00-1420 EA 30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	537.13	240.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.69	
For 6" Overall Height Instead Of 4-5/8", Add	26.86	
26 05 36 00-1421 EA 36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	602.86	259.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.69	
For 6" Overall Height Instead Of 4-5/8", Add	30.14	
26 05 36 00-1422 24" Radius Horizontal Crosses (26 05 36 00-1293)		
26 05 36 00-1423 EA 6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	470.69	186.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.50	
For 6" Overall Height Instead Of 4-5/8", Add	23.53	
26 05 36 00-1424 EA 9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	494.34	198.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.92	
For 6" Overall Height Instead Of 4-5/8", Add	24.72	
26 05 36 00-1425 EA 12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	519.71	210.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.43	
For 6" Overall Height Instead Of 4-5/8", Add	25.99	
26 05 36 00-1426 EA 18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	551.68	224.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.47	
For 6" Overall Height Instead Of 4-5/8", Add	27.58	
26 05 36 00-1427 EA 24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	625.33	259.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.94	
For 6" Overall Height Instead Of 4-5/8", Add	31.27	
26 05 36 00-1428 EA 30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	674.71	280.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.09	
For 6" Overall Height Instead Of 4-5/8", Add	33.74	
26 05 36 00-1429 EA 36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	743.22	305.84
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.83	
For 6" Overall Height Instead Of 4-5/8", Add	37.16	
26 05 36 00-1430 36" Radius Horizontal Crosses (26 05 36 00-1293)		
26 05 36 00-1431 EA 6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	538.27	210.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.29	
For 6" Overall Height Instead Of 4-5/8", Add	26.91	
26 05 36 00-1432 EA 9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	569.26	224.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.23	
For 6" Overall Height Instead Of 4-5/8", Add	28.46	
26 05 36 00-1433 EA 12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	607.45	240.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.73	
For 6" Overall Height Instead Of 4-5/8", Add	30.37	
26 05 36 00-1434 EA 18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	652.68	259.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.67	
For 6" Overall Height Instead Of 4-5/8", Add	32.63	
26 05 36 00-1435 EA 24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	783.27	305.84
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.84	
For 6" Overall Height Instead Of 4-5/8", Add	39.16	
26 05 36 00-1436 EA 30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	863.06	336.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.29	
For 6" Overall Height Instead Of 4-5/8", Add	43.15	
26 05 36 00-1437 EA 36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	961.05	374.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.90	
For 6" Overall Height Instead Of 4-5/8", Add	48.05	
26 05 36 00-1438 12" Radius Vertical Crosses (26 05 36 00-1293)		
26 05 36 00-1439 EA 6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	363.60	168.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.33	
For 6" Overall Height Instead Of 4-5/8", Add	18.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1440 EA 9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	387.13 -23.95 19.36	177.19
26 05 36 00-1441 EA 12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	404.21 -24.85 20.21	186.86
26 05 36 00-1442 EA 18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	442.70 -27.75 22.14	198.23
26 05 36 00-1443 EA 24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	490.14 -30.32 24.51	224.32
26 05 36 00-1444 EA 30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	537.31 -33.70 26.87	240.32
26 05 36 00-1445 EA 36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	602.33 -38.66 30.12	258.83
26 05 36 00-1446 24" Radius Vertical Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1447 EA 6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	470.69 -31.50 23.53	186.86
26 05 36 00-1448 EA 9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	494.34 -32.92 24.72	198.16
26 05 36 00-1449 EA 12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	519.71 -34.43 25.99	210.44
26 05 36 00-1450 EA 18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	551.68 -36.47 27.58	224.32
26 05 36 00-1451 EA 24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	625.33 -40.94 31.27	259.19
26 05 36 00-1452 EA 30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	674.71 -44.09 33.74	280.58
26 05 36 00-1453 EA 36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	743.22 -48.83 37.16	305.84
26 05 36 00-1454 36" Radius Vertical Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1455 EA 6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	622.66 -44.73 31.13	210.44
26 05 36 00-1456 EA 9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	657.17 -47.02 32.86	224.32
26 05 36 00-1457 EA 12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	700.63 -50.04 35.03	240.25
26 05 36 00-1458 EA 18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	752.01 -53.60 37.60	259.19
26 05 36 00-1459 EA 24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	906.34 -65.15 45.32	305.84
26 05 36 00-1460 EA 30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	999.32 -71.92 49.97	336.14
26 05 36 00-1461 EA 36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,112.69 -80.07 55.63	374.44
26 05 36 00-1462 Dropout Or End Plates And Reducers <small>(26 05 36 00-0744)</small>		
26 05 36 00-1463 Straight Reducers <small>(26 05 36 00-1462)</small>		
26 05 36 00-1464 EA 9"-6" Reducer, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	135.14 -9.20 6.76	51.77
26 05 36 00-1465 EA 12"-9" Reducer, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	143.35 -9.66 7.17	56.05
26 05 36 00-1466 EA 18"-12" Reducer, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	158.86 -10.49 7.94	64.67
26 05 36 00-1467 EA 24"-18" Reducer, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	176.82 -11.45 8.84	74.85

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1468	EA		30"-24" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	193.47 -12.33 9.67	84.17
26 05 36 00-1469	EA		36"-30" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	216.72 -13.66 10.84	96.17
26 05 36 00-1470			Reducers <small>(26 05 36 00-1462)</small>		
26 05 36 00-1471	EA		18"-6" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	158.93 -10.50 7.95	64.74
26 05 36 00-1472	EA		24"-12" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	176.99 -11.45 8.85	74.92
26 05 36 00-1473	EA		30"-12" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	193.36 -12.33 9.67	84.10
26 05 36 00-1474	EA		30"-18" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	194.33 -12.43 9.72	84.03
26 05 36 00-1475	EA		36"-12" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	215.64 -13.55 10.78	96.17
26 05 36 00-1476	EA		36"-18" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	220.94 -13.87 11.05	98.69
26 05 36 00-1477	EA		36"-24" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	228.37 -14.35 11.42	101.85
26 05 36 00-1478			Dropout Or End Plate <small>(26 05 36 00-1462)</small>		
26 05 36 00-1479	EA		6" Dropout Or End Plate, Aluminum Cable Tray	41.53	21.05
26 05 36 00-1480	EA		9" Dropout Or End Plate, Aluminum Cable Tray	46.95	24.06
26 05 36 00-1481	EA		12" Dropout Or End Plate, Aluminum Cable Tray	50.63	25.89
26 05 36 00-1482	EA		18" Dropout Or End Plate, Aluminum Cable Tray	61.03	30.58
26 05 36 00-1483	EA		24" Dropout Or End Plate, Aluminum Cable Tray	67.90	33.67
26 05 36 00-1484	EA		30" Dropout Or End Plate, Aluminum Cable Tray	76.36	37.39
26 05 36 00-1485	EA		36" Dropout Or End Plate, Aluminum Cable Tray	85.72	42.09
26 05 36 00-1486			Solid Bottom Cable Tray <small>(26 05 36 00-0001)</small> Note: 3-5/8" Height.		
26 05 36 00-1487			Solid Bottom Galvanized Steel Straight Tray Sections <small>(26 05 36 00-1486)</small>		
26 05 36 00-1488	LF		6" Solid Bottom Steel Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	17.13 1.65	5.47
26 05 36 00-1489	LF		12" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	21.33 2.08	6.74
26 05 36 00-1490	LF		18" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	28.56 2.67	9.68
26 05 36 00-1491	LF		24" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	33.04 3.11	11.08
26 05 36 00-1492	LF		30" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	39.61 3.70	13.40
26 05 36 00-1493	LF		36" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	50.30 4.99	15.36
26 05 36 00-1494			Solid Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-1486)</small>		
26 05 36 00-1495			90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1496	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	177.28 14.89	70.22
26 05 36 00-1497	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	232.19 18.36	98.76
26 05 36 00-1498	EA		18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	284.95 21.96	124.65
26 05 36 00-1499	EA		24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	349.32 26.87	153.12
26 05 36 00-1500	EA		30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	407.85 31.61	177.47
26 05 36 00-1501	EA		36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	458.06 35.68	198.16
26 05 36 00-1502			90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1503	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	207.47 18.93	73.09
26 05 36 00-1504	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	275.62 23.79	105.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1505 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	340.28 28.59	134.75
26 05 36 00-1506 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	415.62 34.29	168.35
26 05 36 00-1507 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	487.58 40.17	197.81
26 05 36 00-1508 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	551.15 45.28	224.32
26 05 36 00-1509 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1510 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	252.66 25.17	76.39
26 05 36 00-1511 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	328.43 30.53	112.45
26 05 36 00-1512 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	416.66 38.08	146.54
26 05 36 00-1513 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	498.37 43.61	186.86
26 05 36 00-1514 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	598.17 52.33	224.32
26 05 36 00-1515 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	682.87 59.34	258.48
26 05 36 00-1516 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1517 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	162.28 12.64	70.22
26 05 36 00-1518 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	215.31 15.83	98.76
26 05 36 00-1519 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	265.40 19.06	124.51
26 05 36 00-1520 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	325.42 23.32	152.91
26 05 36 00-1521 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	379.82 27.40	177.47
26 05 36 00-1522 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	425.49 30.86	197.81
26 05 36 00-1523 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1524 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	186.15 15.73	73.16
26 05 36 00-1525 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	250.42 20.03	105.22
26 05 36 00-1526 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	311.63 24.26	134.89
26 05 36 00-1527 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	381.86 29.22	168.35
26 05 36 00-1528 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	448.71 34.28	198.16
26 05 36 00-1529 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	506.84 38.64	224.32
26 05 36 00-1530 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1531 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	221.50 20.48	76.46
26 05 36 00-1532 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	275.73 24.37	101.92
26 05 36 00-1533 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	373.55 31.61	146.54
26 05 36 00-1534 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	452.21 36.63	187.22
26 05 36 00-1535 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	542.11 43.93	224.32
26 05 36 00-1536 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	620.93 49.95	259.19
26 05 36 00-1537 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1538 EA 6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	190.23 16.87	70.01
26 05 36 00-1539 EA 12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	241.84 19.81	98.76
26 05 36 00-1540 EA 18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	286.15 22.14	124.65
26 05 36 00-1541 EA 24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	346.91 26.51	153.12
26 05 36 00-1542 EA 30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	393.38 29.44	177.47
26 05 36 00-1543 EA 36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	430.91 31.67	197.81

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1544			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1545	EA		6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	225.55	73.09
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	21.65	
26 05 36 00-1546	EA		12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	288.88	105.29
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	25.78	
26 05 36 00-1547	EA		18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	347.51	134.75
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	29.67	
26 05 36 00-1548	EA		24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	414.42	168.35
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	34.11	
26 05 36 00-1549	EA		30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	470.70	197.81
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	37.64	
26 05 36 00-1550	EA		36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	528.24	224.32
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	41.85	
26 05 36 00-1551			90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1552	EA		6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	268.33	76.39
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	27.52	
26 05 36 00-1553	EA		12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	328.21	102.13
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.21	
26 05 36 00-1554	EA		18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	416.66	146.54
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	38.08	
26 05 36 00-1555	EA		24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	500.78	186.86
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	43.97	
26 05 36 00-1556	EA		30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	580.09	224.32
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	49.62	
26 05 36 00-1557	EA		36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	655.13	258.48
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	55.18	
26 05 36 00-1558			12" Radius Horizontal Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1559	EA		6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	308.93	134.75
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	23.89	
26 05 36 00-1560	EA		12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	371.77	168.06
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	27.75	
26 05 36 00-1561	EA		18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	438.77	198.16
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.79	
26 05 36 00-1562	EA		24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	523.07	240.74
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	38.33	
26 05 36 00-1563	EA		30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	570.59	259.19
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	42.40	
26 05 36 00-1564	EA		36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	668.94	305.84
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	49.36	
26 05 36 00-1565			24" Radius Horizontal Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1566	EA		6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	375.31	146.33
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	31.91	
26 05 36 00-1567	EA		12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	464.61	186.86
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	38.54	
26 05 36 00-1568	EA		18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	543.92	224.32
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	44.20	
26 05 36 00-1569	EA		24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	697.93	280.58
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	57.93	
26 05 36 00-1570	EA		30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	760.57	305.84
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	63.11	
26 05 36 00-1571	EA		36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	895.36	374.44
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	71.90	
26 05 36 00-1572			36" Radius Horizontal Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1573	EA		6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	473.51	160.42
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	44.29	
26 05 36 00-1574	EA		12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	581.02	210.44
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	52.08	
26 05 36 00-1575	EA		18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	682.72	259.19
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	59.22	
26 05 36 00-1576	EA		24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	831.71	305.84
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	73.78	
26 05 36 00-1577	EA		30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	911.73	337.26
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	80.55	
26 05 36 00-1578	EA		36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,063.17	420.87
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	89.33	
26 05 36 00-1579			12" Radius Vertical Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1580	EA		6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	363.19	134.75
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.03	
26 05 36 00-1581	EA		12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	425.27	168.35
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1582 EA 18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	458.58 37.64	186.86
26 05 36 00-1583 EA 24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	491.20 40.72	197.81
26 05 36 00-1584 EA 30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	546.33 44.56	224.32
26 05 36 00-1585 EA 36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	610.38 48.36	259.19
26 05 36 00-1586 24" Radius Vertical Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1587 EA 6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	448.86 42.94	146.33
26 05 36 00-1588 EA 12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	526.10 47.77	186.86
26 05 36 00-1589 EA 18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	576.20 51.36	210.44
26 05 36 00-1590 EA 24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	610.23 54.14	224.32
26 05 36 00-1591 EA 30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	691.16 60.48	259.19
26 05 36 00-1592 EA 36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	781.07 66.18	305.84
26 05 36 00-1593 36" Radius Vertical Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1594 EA 6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	586.44 61.27	160.14
26 05 36 00-1595 EA 12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	676.28 66.37	210.44
26 05 36 00-1596 EA 18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	750.04 72.47	240.25
26 05 36 00-1597 EA 24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	793.65 75.85	259.19
26 05 36 00-1598 EA 30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	931.78 88.79	305.84
26 05 36 00-1599 EA 36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,006.39 94.93	336.14
26 05 36 00-1600 12" Radius Horizontal Crosses <small>(26 05 36 00-1494)</small>		
26 05 36 00-1601 EA 6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	381.86 29.22	168.35
26 05 36 00-1602 EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	439.97 32.97	198.16
26 05 36 00-1603 EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	529.39 39.37	240.25
26 05 36 00-1604 EA 24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	612.33 45.09	280.58
26 05 36 00-1605 EA 30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	721.84 52.25	336.14
26 05 36 00-1606 EA 36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	801.31 57.79	374.44
26 05 36 00-1607 24" Radius Horizontal Crosses <small>(26 05 36 00-1494)</small>		
26 05 36 00-1608 EA 6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	496.52 43.27	187.22
26 05 36 00-1609 EA 12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	580.09 49.62	224.32
26 05 36 00-1610 EA 18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	697.93 57.93	280.58
26 05 36 00-1611 EA 24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	857.47 72.41	337.26
26 05 36 00-1612 EA 30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	943.59 79.13	374.44
26 05 36 00-1613 EA 36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,039.05 85.71	420.87
26 05 36 00-1614 36" Radius Horizontal Crosses <small>(26 05 36 00-1494)</small>		
26 05 36 00-1615 EA 6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	652.16 62.75	210.44
26 05 36 00-1616 EA 12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	763.50 71.33	259.19
26 05 36 00-1617 EA 18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	923.79 82.36	337.26
26 05 36 00-1618 EA 24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,052.10 95.41	374.44
26 05 36 00-1619 EA 30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,165.65 104.70	420.87
26 05 36 00-1620 EA 36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,295.10 114.19	480.43

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1621			Straight Reducers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1622	EA		12"-6" Reducer, Solid Bottom, Steel Cable Tray.....	152.61	56.12
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	13.54	
26 05 36 00-1623	EA		18"-12" Reducer, Solid Bottom, Steel Cable Tray.....	165.99	63.41
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	14.33	
26 05 36 00-1624	EA		24"-18" Reducer, Solid Bottom, Steel Cable Tray.....	184.48	73.09
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	15.49	
26 05 36 00-1625	EA		30"-24" Reducer, Solid Bottom, Steel Cable Tray.....	207.81	84.17
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	17.14	
26 05 36 00-1626	EA		36"-30" Reducer, Solid Bottom, Steel Cable Tray.....	225.53	93.37
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	18.27	
26 05 36 00-1627			Reducers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1628	EA		18"-6" Reducer, Solid Bottom, Steel Cable Tray.....	166.06	63.48
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	14.33	
26 05 36 00-1629	EA		24"-12" Reducer, Solid Bottom, Steel Cable Tray.....	183.52	73.23
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	15.33	
26 05 36 00-1630	EA		30"-12" Reducer, Solid Bottom, Steel Cable Tray.....	205.29	84.10
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	16.78	
26 05 36 00-1631	EA		30"-18" Reducer, Solid Bottom, Steel Cable Tray.....	206.38	84.03
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	16.95	
26 05 36 00-1632	EA		36"-12" Reducer, Solid Bottom, Steel Cable Tray.....	224.33	93.37
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	18.09	
26 05 36 00-1633	EA		36"-18" Reducer, Solid Bottom, Steel Cable Tray.....	225.53	93.37
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	18.27	
26 05 36 00-1634	EA		36"-24" Reducer, Solid Bottom, Steel Cable Tray.....	227.02	93.51
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	18.47	
26 05 36 00-1635			Dropout Or End Plate <small>(26 05 36 00-1494)</small>		
26 05 36 00-1636	EA		6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	47.37	21.05
26 05 36 00-1637	EA		12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	58.10	25.68
26 05 36 00-1638	EA		18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	67.18	30.44
26 05 36 00-1639	EA		24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	75.47	33.67
26 05 36 00-1640	EA		30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	83.99	37.39
26 05 36 00-1641	EA		36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	93.36	42.09
26 05 36 00-1642			Solid Bottom Aluminum Straight Cable Tray Sections <small>(26 05 36 00-1486)</small>		
26 05 36 00-1643	LF		6" Solid Bottom Aluminum Cable Tray, Straight Section.....	16.01	4.42
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1.66	
26 05 36 00-1644	LF		12" Solid Bottom Aluminum Cable Tray, Straight Section.....	19.95	5.19
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2.13	
26 05 36 00-1645	LF		18" Solid Bottom Aluminum Cable Tray, Straight Section.....	25.50	6.74
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2.70	
26 05 36 00-1646	LF		24" Solid Bottom Aluminum Cable Tray, Straight Section.....	30.30	7.44
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	3.31	
26 05 36 00-1647	LF		30" Solid Bottom Aluminum Cable Tray, Straight Section.....	37.17	9.61
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	3.97	
26 05 36 00-1648	LF		36" Solid Bottom Steel Aluminum Tray, Straight Section.....	44.16	10.52
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	4.87	
26 05 36 00-1649			Solid Bottom Aluminum Cable Tray Fittings <small>(26 05 36 00-1486)</small>		
26 05 36 00-1650			90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1651	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	186.45	70.22
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	16.27	
26 05 36 00-1652	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	225.50	88.38
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	19.09	
26 05 36 00-1653	EA		18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	260.47	98.97
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	22.57	
26 05 36 00-1654	EA		24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	303.38	116.23
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	26.13	
26 05 36 00-1655	EA		30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	358.31	134.89
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	31.26	
26 05 36 00-1656	EA		36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	405.04	153.12
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.23	
26 05 36 00-1657			90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1658	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	220.62	73.09
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	20.91	
26 05 36 00-1659	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	273.22	93.65
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	25.38	
26 05 36 00-1660	EA		18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	308.85	105.22
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	28.79	
26 05 36 00-1661	EA		24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	372.74	124.65
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1662 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	432.40 40.50	146.12
26 05 36 00-1663 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	497.64 46.59	168.35
26 05 36 00-1664 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1665 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	273.77 28.34	76.39
26 05 36 00-1666 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	341.10 34.64	99.18
26 05 36 00-1667 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	395.73 40.62	112.45
26 05 36 00-1668 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	447.82 44.75	134.54
26 05 36 00-1669 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	520.20 51.30	160.42
26 05 36 00-1670 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	607.21 59.99	186.58
26 05 36 00-1671 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1672 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	171.25 13.98	70.22
26 05 36 00-1673 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	208.31 16.51	88.38
26 05 36 00-1674 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	239.31 19.41	98.90
26 05 36 00-1675 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	278.84 22.49	116.02
26 05 36 00-1676 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	328.94 26.86	134.89
26 05 36 00-1677 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	371.34 30.25	152.70
26 05 36 00-1678 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1679 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	198.98 17.65	73.16
26 05 36 00-1680 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	247.30 21.51	93.51
26 05 36 00-1681 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	279.83 24.40	105.43
26 05 36 00-1682 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	336.45 29.69	124.65
26 05 36 00-1683 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	391.53 34.31	146.54
26 05 36 00-1684 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	449.88 39.42	168.35
26 05 36 00-1685 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1686 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	241.73 23.51	76.46
26 05 36 00-1687 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	302.11 28.82	98.97
26 05 36 00-1688 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	349.89 33.75	112.45
26 05 36 00-1689 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	399.20 37.40	134.89
26 05 36 00-1690 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	464.57 42.95	160.42
26 05 36 00-1691 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	543.14 50.27	187.22
26 05 36 00-1692 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1693 EA 6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	199.16 18.21	70.01
26 05 36 00-1694 EA 12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	233.10 20.23	88.38
26 05 36 00-1695 EA 18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	261.56 22.74	98.97
26 05 36 00-1696 EA 24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	295.79 24.99	116.23
26 05 36 00-1697 EA 30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	333.35 27.52	134.89
26 05 36 00-1698 EA 36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	366.30 29.49	152.70
26 05 36 00-1699 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1649)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1700	EA		6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	239.07	73.09
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	23.67	
26 05 36 00-1701	EA		12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	282.99	93.65
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	26.85	
26 05 36 00-1702	EA		18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	312.11	105.22
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	29.28	
26 05 36 00-1703	EA		24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	356.46	124.65
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.69	
26 05 36 00-1704	EA		30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	400.93	146.12
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.78	
26 05 36 00-1705	EA		36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	454.22	168.35
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	40.08	
26 05 36 00-1706			90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1707	EA		6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	281.37	76.39
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	29.48	
26 05 36 00-1708	EA		12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	338.92	99.18
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	34.31	
26 05 36 00-1709	EA		18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	376.20	112.45
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	37.69	
26 05 36 00-1710	EA		24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	420.69	134.54
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	40.68	
26 05 36 00-1711	EA		30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	484.39	160.42
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	45.93	
26 05 36 00-1712	EA		36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	536.67	186.58
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	49.41	
26 05 36 00-1713			12" Radius Horizontal Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1714	EA		6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	331.97	134.75
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	27.34	
26 05 36 00-1715	EA		12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	384.75	152.70
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.26	
26 05 36 00-1716	EA		18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	427.09	168.35
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	36.01	
26 05 36 00-1717	EA		24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	475.92	187.22
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	40.18	
26 05 36 00-1718	EA		30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	562.75	224.32
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	47.02	
26 05 36 00-1719	EA		36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	684.70	280.58
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	55.94	
26 05 36 00-1720			24" Radius Horizontal Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1721	EA		6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	420.79	146.33
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	38.73	
26 05 36 00-1722	EA		12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	480.27	168.35
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	43.98	
26 05 36 00-1723	EA		18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	537.22	186.86
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	49.44	
26 05 36 00-1724	EA		24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	650.66	224.32
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	60.21	
26 05 36 00-1725	EA		30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	782.37	280.58
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	70.59	
26 05 36 00-1726	EA		36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	863.98	306.75
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	78.47	
26 05 36 00-1727			36" Radius Horizontal Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1728	EA		6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	554.93	160.42
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	56.51	
26 05 36 00-1729	EA		12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	626.21	186.86
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	62.78	
26 05 36 00-1730	EA		18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	714.30	210.44
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	72.07	
26 05 36 00-1731	EA		24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	854.13	258.48
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	85.03	
26 05 36 00-1732	EA		30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,028.74	337.26
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	98.10	
26 05 36 00-1733	EA		36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,145.00	374.44
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	109.34	
26 05 36 00-1734			12" Radius Vertical Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1735	EA		6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	377.55	134.75
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	34.18	
26 05 36 00-1736	EA		12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	411.17	152.91
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	36.19	
26 05 36 00-1737	EA		18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	429.71	160.14
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	37.76	
26 05 36 00-1738	EA		24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	453.77	168.06
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	40.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1739 EA 30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	500.32 43.90	186.86
26 05 36 00-1740 EA 36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	573.60 48.65	224.32
26 05 36 00-1741 24" Radius Vertical Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1742 EA 6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	469.63 46.06	146.33
26 05 36 00-1743 EA 12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	519.34 49.84	168.35
26 05 36 00-1744 EA 18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	550.26 53.02	177.12
26 05 36 00-1745 EA 24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	588.23 57.09	186.86
26 05 36 00-1746 EA 30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	654.61 63.12	210.44
26 05 36 00-1747 EA 36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	751.03 69.57	258.48
26 05 36 00-1748 36" Radius Vertical Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1749 EA 6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	619.64 66.25	160.14
26 05 36 00-1750 EA 12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	676.65 70.73	184.62
26 05 36 00-1751 EA 18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	720.33 75.09	197.81
26 05 36 00-1752 EA 24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	752.28 77.77	210.44
26 05 36 00-1753 EA 30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	834.49 85.14	240.25
26 05 36 00-1754 EA 36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	557.53 32.65	305.84
26 05 36 00-1755 12" Radius Horizontal Crosses <small>(26 05 36 00-1649)</small>		
26 05 36 00-1756 EA 6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	391.64 33.26	152.91
26 05 36 00-1757 EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	434.69 37.15	168.35
26 05 36 00-1758 EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	505.45 42.85	197.81
26 05 36 00-1759 EA 24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	600.07 49.97	240.25
26 05 36 00-1760 EA 30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	656.61 55.40	258.48
26 05 36 00-1761 EA 36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	760.87 63.00	306.75
26 05 36 00-1762 24" Radius Horizontal Crosses <small>(26 05 36 00-1649)</small>		
26 05 36 00-1763 EA 6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	519.79 49.87	168.63
26 05 36 00-1764 EA 12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	588.23 57.09	186.86
26 05 36 00-1765 EA 18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	674.53 63.79	224.32
26 05 36 00-1766 EA 24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	832.46 77.98	281.35
26 05 36 00-1767 EA 30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	912.81 85.80	306.75
26 05 36 00-1768 EA 36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,041.90 93.88	374.44
26 05 36 00-1769 36" Radius Horizontal Crosses <small>(26 05 36 00-1649)</small>		
26 05 36 00-1770 EA 6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	718.46 76.62	186.86
26 05 36 00-1771 EA 12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	790.27 83.47	210.44
26 05 36 00-1772 EA 18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	920.31 94.85	259.19
26 05 36 00-1773 EA 24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,093.86 107.87	337.26
26 05 36 00-1774 EA 30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,199.27 117.48	374.44
26 05 36 00-1775 EA 36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,374.32 136.00	420.87
26 05 36 00-1776 Straight Reducers <small>(26 05 36 00-1649)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1777	EA		12"-6" Reducer, Solid Bottom, Aluminum Cable Tray.....	147.51	48.12
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	14.10	
26 05 36 00-1778	EA		18"-12" Reducer, Solid Bottom, Aluminum Cable Tray.....	162.84	56.05
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	15.09	
26 05 36 00-1779	EA		24"-18" Reducer, Solid Bottom, Aluminum Cable Tray.....	179.50	63.41
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	16.36	
26 05 36 00-1780	EA		30"-24" Reducer, Solid Bottom, Aluminum Cable Tray.....	202.26	73.16
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	18.14	
26 05 36 00-1781	EA		36"-30" Reducer, Solid Bottom, Aluminum Cable Tray.....	224.72	84.03
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	19.70	
26 05 36 00-1782			Reducers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1783	EA		18"-6" Reducer, Solid Bottom, Aluminum Cable Tray.....	161.80	56.05
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	14.93	
26 05 36 00-1784	EA		24"-12" Reducer, Solid Bottom, Aluminum Cable Tray.....	178.61	63.55
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	16.20	
26 05 36 00-1785	EA		30"-12" Reducer, Solid Bottom, Aluminum Cable Tray.....	200.00	73.09
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	17.81	
26 05 36 00-1786	EA		30"-18" Reducer, Solid Bottom, Aluminum Cable Tray.....	201.01	73.09
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	17.97	
26 05 36 00-1787	EA		36"-12" Reducer, Solid Bottom, Aluminum Cable Tray.....	224.72	84.03
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	19.70	
26 05 36 00-1788	EA		36"-18" Reducer, Solid Bottom, Aluminum Cable Tray.....	225.81	84.03
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	19.86	
26 05 36 00-1789	EA		36"-24" Reducer, Solid Bottom, Aluminum Cable Tray.....	228.20	84.17
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	20.20	
26 05 36 00-1790			Dropout Or End Plate <small>(26 05 36 00-1649)</small>		
26 05 36 00-1791	EA		6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	48.80	21.05
26 05 36 00-1792	EA		12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	58.31	25.68
26 05 36 00-1793	EA		18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	69.34	30.44
26 05 36 00-1794	EA		24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	76.58	33.67
26 05 36 00-1795	EA		30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	86.17	37.39
26 05 36 00-1796	EA		36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	97.82	42.09
26 05 36 00-1797			Vented Bottom Cable Tray <small>(26 05 36 00-0001)</small>		
			Note: 6" Height.		
26 05 36 00-1798			Vented Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-1797)</small>		
26 05 36 00-1799	LF		6" Vented Bottom Steel Cable Tray, Straight Section.....	22.72	7.37
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-1.66	
26 05 36 00-1800	LF		12" Vented Bottom Steel Cable Tray, Straight Section.....	26.72	8.42
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-1.97	
26 05 36 00-1801	LF		18" Vented Bottom Steel Cable Tray, Straight Section.....	31.44	9.68
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.34	
26 05 36 00-1802	LF		24" Vented Bottom Steel Cable Tray, Straight Section.....	36.09	11.08
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.68	
26 05 36 00-1803	LF		30" Vented Bottom Steel Cable Tray, Straight Section.....	47.57	13.40
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.64	
26 05 36 00-1804	LF		36" Vented Bottom Steel Cable Tray, Straight Section.....	56.31	16.83
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-4.23	
26 05 36 00-1805			Vented Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-1797)</small>		
26 05 36 00-1806			90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1807	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	211.93	88.66
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-13.81	
26 05 36 00-1808	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	276.15	119.95
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-17.62	
26 05 36 00-1809	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	342.48	152.91
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.50	
26 05 36 00-1810	EA		24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	420.03	187.22
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.40	
26 05 36 00-1811	EA		30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	473.82	210.86
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.81	
26 05 36 00-1812	EA		36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	542.87	240.74
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.22	
26 05 36 00-1813			90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1814	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	250.53	93.44
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-17.27	
26 05 36 00-1815	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	325.15	129.56
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.72	
26 05 36 00-1816	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	412.56	168.35
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-27.23	
26 05 36 00-1817	EA		24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	499.51	210.44
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1818 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	533.90 -35.27	217.38
26 05 36 00-1819 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	666.82 -43.30	280.58
26 05 36 00-1820 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1821 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	306.25 -22.39	98.76
26 05 36 00-1822 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	396.11 -27.90	140.50
26 05 36 00-1823 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	506.42 -35.04	187.22
26 05 36 00-1824 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	605.56 -40.54	240.25
26 05 36 00-1825 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	698.01 -46.42	280.58
26 05 36 00-1826 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	817.04 -53.69	336.14
26 05 36 00-1827 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1828 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	197.93 -12.40	88.73
26 05 36 00-1829 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	259.39 -15.94	119.95
26 05 36 00-1830 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	322.84 -19.56	152.70
26 05 36 00-1831 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	395.71 -24.00	186.86
26 05 36 00-1832 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	446.89 -27.12	210.86
26 05 36 00-1833 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	510.82 -31.06	240.25
26 05 36 00-1834 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1835 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	229.82 -15.19	93.51
26 05 36 00-1836 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	301.13 -19.32	129.56
26 05 36 00-1837 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	383.98 -24.35	168.63
26 05 36 00-1838 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	466.78 -29.14	210.44
26 05 36 00-1839 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	535.12 -33.45	240.74
26 05 36 00-1840 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	623.00 -38.92	280.58
26 05 36 00-1841 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1842 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	275.41 -19.29	98.97
26 05 36 00-1843 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	359.86 -24.31	140.08
26 05 36 00-1844 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	463.65 -30.76	187.22
26 05 36 00-1845 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	561.33 -36.07	240.74
26 05 36 00-1846 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	647.33 -41.35	280.58
26 05 36 00-1847 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	762.35 -48.13	337.26
26 05 36 00-1848 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1849 EA 6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	230.15 -15.65	88.38
26 05 36 00-1850 EA 12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	292.35 -19.24	119.95
26 05 36 00-1851 EA 18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	348.48 -22.10	152.91
26 05 36 00-1852 EA 24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	418.83 -26.28	187.22
26 05 36 00-1853 EA 30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	460.62 -28.49	210.86
26 05 36 00-1854 EA 36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	515.57 -31.54	240.25
26 05 36 00-1855 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1805)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1856	EA		6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	274.53	93.44
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-19.67	
26 05 36 00-1857	EA		12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	341.95	129.56
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.40	
26 05 36 00-1858	EA		18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	419.76	168.35
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-27.95	
26 05 36 00-1859	EA		24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	494.71	210.44
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.93	
26 05 36 00-1860	EA		30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	562.36	240.25
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.22	
26 05 36 00-1861	EA		36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	636.82	280.58
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.30	
26 05 36 00-1862			90 Degree, 36" Radius Vertical Risers (26 05 36 00-1805)		
26 05 36 00-1863	EA		6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	325.45	98.76
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-24.31	
26 05 36 00-1864	EA		12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	404.51	140.50
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.74	
26 05 36 00-1865	EA		18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	501.62	187.22
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.56	
26 05 36 00-1866	EA		24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	603.16	240.25
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.30	
26 05 36 00-1867	EA		30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	675.22	280.58
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-44.14	
26 05 36 00-1868	EA		36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	790.64	336.14
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.05	
26 05 36 00-1869			12" Radius Horizontal Tees (26 05 36 00-1805)		
26 05 36 00-1870	EA		6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	377.77	168.35
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.75	
26 05 36 00-1871	EA		12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	458.02	210.02
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.30	
26 05 36 00-1872	EA		18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	523.68	240.74
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.30	
26 05 36 00-1873	EA		24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	609.22	280.58
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.54	
26 05 36 00-1874	EA		30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	671.76	305.84
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-41.69	
26 05 36 00-1875	EA		36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	737.85	336.14
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.77	
26 05 36 00-1876			24" Radius Horizontal Tees (26 05 36 00-1805)		
26 05 36 00-1877	EA		6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	472.26	186.86
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.65	
26 05 36 00-1878	EA		12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	575.56	240.25
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.54	
26 05 36 00-1879	EA		18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	663.22	280.58
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.94	
26 05 36 00-1880	EA		24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	814.64	336.14
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-53.45	
26 05 36 00-1881	EA		30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	900.04	374.44
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-58.80	
26 05 36 00-1882	EA		36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,006.21	420.87
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-65.55	
26 05 36 00-1883			36" Radius Horizontal Tees (26 05 36 00-1805)		
26 05 36 00-1884	EA		6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	581.10	210.44
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.57	
26 05 36 00-1885	EA		12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	730.41	280.58
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.66	
26 05 36 00-1886	EA		18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	848.84	337.26
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-56.78	
26 05 36 00-1887	EA		24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,047.01	420.87
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-69.63	
26 05 36 00-1888	EA		30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,170.38	482.67
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-76.82	
26 05 36 00-1889	EA		36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,364.74	559.69
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-89.83	
26 05 36 00-1890			12" Radius Vertical Tees (26 05 36 00-1805)		
26 05 36 00-1891	EA		6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	442.56	168.35
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-30.23	
26 05 36 00-1892	EA		12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	515.11	210.44
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.97	
26 05 36 00-1893	EA		18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	541.89	224.32
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.49	
26 05 36 00-1894	EA		24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	577.96	240.25
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1895 EA 30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	620.31	259.19
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.43	
26 05 36 00-1896 EA 36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	701.76	305.84
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-44.69	
26 05 36 00-1897 24" Radius Vertical Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1898 EA 6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	528.65	186.86
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.29	
26 05 36 00-1899 EA 12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	628.35	240.25
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.82	
26 05 36 00-1900 EA 18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	670.70	259.19
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.47	
26 05 36 00-1901 EA 24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	724.41	280.58
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.06	
26 05 36 00-1902 EA 30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	779.75	305.84
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-52.49	
26 05 36 00-1903 EA 36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	916.84	374.44
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-60.48	
26 05 36 00-1904 36" Radius Vertical Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1905 EA 6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	695.59	210.02
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-52.06	
26 05 36 00-1906 EA 12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	821.60	280.58
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-58.78	
26 05 36 00-1907 EA 18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	875.74	305.84
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-62.09	
26 05 36 00-1908 EA 24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	952.02	337.26
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-67.10	
26 05 36 00-1909 EA 30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,074.02	374.44
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-76.20	
26 05 36 00-1910 EA 36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,256.70	480.43
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-85.63	
26 05 36 00-1911 12" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>		
26 05 36 00-1912 EA 6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	475.52	210.44
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-30.02	
26 05 36 00-1913 EA 12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	527.28	240.74
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.66	
26 05 36 00-1914 EA 18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	608.02	280.58
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.42	
26 05 36 00-1915 EA 24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	707.85	336.14
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.77	
26 05 36 00-1916 EA 30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	787.43	373.11
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-47.65	
26 05 36 00-1917 EA 36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	887.43	420.87
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-53.67	
26 05 36 00-1918 24" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>		
26 05 36 00-1919 EA 6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	596.87	240.74
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-39.62	
26 05 36 00-1920 EA 12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	672.82	280.58
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-43.90	
26 05 36 00-1921 EA 18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	785.84	336.14
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-50.57	
26 05 36 00-1922 EA 24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	988.22	420.87
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-63.75	
26 05 36 00-1923 EA 30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,117.51	480.43
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-71.71	
26 05 36 00-1924 EA 36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,268.75	559.69
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-80.24	
26 05 36 00-1925 36" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>		
26 05 36 00-1926 EA 6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	797.60	280.58
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-56.38	
26 05 36 00-1927 EA 12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	908.83	337.26
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-62.78	
26 05 36 00-1928 EA 18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,055.41	420.87
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-70.47	
26 05 36 00-1929 EA 24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,363.72	562.64
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-89.48	
26 05 36 00-1930 EA 30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,592.07	674.45
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-103.00	
26 05 36 00-1931 EA 36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,906.85	841.75
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-120.54	
26 05 36 00-1932 Straight Reducers <small>(26 05 36 00-1805)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1933 EA 12"-6" Reducer, Vented Bottom, Steel Cable Tray	180.05	71.69
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-12.03	
26 05 36 00-1934 EA 18"-12" Reducer, Vented Bottom, Steel Cable Tray	196.44	80.10
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-12.97	
26 05 36 00-1935 EA 24"-18" Reducer, Vented Bottom, Steel Cable Tray	222.79	93.37
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-14.50	
26 05 36 00-1936 EA 30"-24" Reducer, Vented Bottom, Steel Cable Tray	244.95	105.22
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-15.73	
26 05 36 00-1937 EA 36"-30" Reducer, Vented Bottom, Steel Cable Tray	267.52	115.88
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-17.10	
26 05 36 00-1938 Reducers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1939 EA 18"-6" Reducer, Vented Bottom, Steel Cable Tray	196.44	80.10
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-12.97	
26 05 36 00-1940 EA 24"-12" Reducer, Vented Bottom, Steel Cable Tray	221.87	93.51
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-14.39	
26 05 36 00-1941 EA 30"-12" Reducer, Vented Bottom, Steel Cable Tray	243.58	105.08
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-15.60	
26 05 36 00-1942 EA 30"-18" Reducer, Vented Bottom, Steel Cable Tray	244.60	105.01
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-15.71	
26 05 36 00-1943 EA 36"-12" Reducer, Vented Bottom, Steel Cable Tray	266.32	115.88
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-16.98	
26 05 36 00-1944 EA 36"-18" Reducer, Vented Bottom, Steel Cable Tray	267.52	115.88
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-17.10	
26 05 36 00-1945 EA 36"-24" Reducer, Vented Bottom, Steel Cable Tray	269.15	116.16
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-17.24	
26 05 36 00-1946 Dropout Or End Plate <small>(26 05 36 00-1805)</small>		
26 05 36 00-1947 EA 6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	57.60	25.89
26 05 36 00-1948 EA 12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	68.28	30.37
26 05 36 00-1949 EA 18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	75.27	33.53
26 05 36 00-1950 EA 24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	84.62	37.39
26 05 36 00-1951 EA 30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	93.95	42.02
26 05 36 00-1952 EA 36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	110.14	50.22
26 05 36 00-1953 Vented Bottom Aluminum Cable Tray <small>(26 05 36 00-1797)</small>		
26 05 36 00-1954 LF 6" Vented Bottom Aluminum Cable Tray, Straight Section	20.57	5.47
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-1.60	
26 05 36 00-1955 LF 9" Vented Bottom Aluminum Cable Tray, Straight Section	22.82	6.04
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-1.78	
26 05 36 00-1956 LF 12" Vented Bottom Aluminum Cable Tray, Straight Section	25.53	6.74
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-1.99	
26 05 36 00-1957 LF 18" Vented Bottom Aluminum Cable Tray, Straight Section	29.70	7.51
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.34	
26 05 36 00-1958 LF 24" Vented Bottom Aluminum Cable Tray, Straight Section	34.06	8.35
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.71	
26 05 36 00-1959 LF 30" Vented Bottom Aluminum Cable Tray, Straight Section	43.14	9.61
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.51	
26 05 36 00-1960 LF 36" Vented Bottom Aluminum Cable Tray, Straight Section	48.07	11.29
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.87	
26 05 36 00-1961 Vented Bottom Aluminum Cable Tray Fittings <small>(26 05 36 00-1797)</small>		
26 05 36 00-1962 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1963 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	222.62	88.66
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-14.88	
26 05 36 00-1964 EA 9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	241.84	96.24
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-16.16	
26 05 36 00-1965 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	267.42	108.38
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-17.71	
26 05 36 00-1966 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	301.12	120.09
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-20.10	
26 05 36 00-1967 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	361.45	146.54
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.93	
26 05 36 00-1968 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	425.37	168.63
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.49	
26 05 36 00-1969 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	469.41	187.22
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.34	
26 05 36 00-1970 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1971 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	264.27	93.44
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-18.64	
26 05 36 00-1972 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	320.54	116.16
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-22.38	
26 05 36 00-1973 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	362.47	129.56
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-25.45	
26 05 36 00-1974 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	434.05	160.14
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-30.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1975 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	501.94	186.58
For 4-5/8" Overall Height Instead Of 6", Deduct	-34.65	
26 05 36 00-1976 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	556.93	210.44
For 4-5/8" Overall Height Instead Of 6", Deduct	-38.16	
26 05 36 00-1977 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1978 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	317.69	98.76
For 4-5/8" Overall Height Instead Of 6", Deduct	-23.54	
26 05 36 00-1979 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	382.75	124.79
For 4-5/8" Overall Height Instead Of 6", Deduct	-27.87	
26 05 36 00-1980 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	432.74	140.50
For 4-5/8" Overall Height Instead Of 6", Deduct	-31.57	
26 05 36 00-1981 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	512.28	177.12
For 4-5/8" Overall Height Instead Of 6", Deduct	-36.47	
26 05 36 00-1982 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	541.12	171.64
For 4-5/8" Overall Height Instead Of 6", Deduct	-39.81	
26 05 36 00-1983 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	677.13	240.25
For 4-5/8" Overall Height Instead Of 6", Deduct	-47.69	
26 05 36 00-1984 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1985 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	206.27	88.73
For 4-5/8" Overall Height Instead Of 6", Deduct	-13.23	
26 05 36 00-1986 EA 9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	224.07	96.37
For 4-5/8" Overall Height Instead Of 6", Deduct	-14.38	
26 05 36 00-1987 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	248.32	108.38
For 4-5/8" Overall Height Instead Of 6", Deduct	-15.80	
26 05 36 00-1988 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	278.69	119.95
For 4-5/8" Overall Height Instead Of 6", Deduct	-17.87	
26 05 36 00-1989 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	335.31	146.33
For 4-5/8" Overall Height Instead Of 6", Deduct	-21.34	
26 05 36 00-1990 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	393.62	168.63
For 4-5/8" Overall Height Instead Of 6", Deduct	-25.31	
26 05 36 00-1991 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	434.23	186.86
For 4-5/8" Overall Height Instead Of 6", Deduct	-27.85	
26 05 36 00-1992 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1993 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	240.53	93.51
For 4-5/8" Overall Height Instead Of 6", Deduct	-16.26	
26 05 36 00-1994 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	292.60	116.16
For 4-5/8" Overall Height Instead Of 6", Deduct	-19.58	
26 05 36 00-1995 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	330.51	129.77
For 4-5/8" Overall Height Instead Of 6", Deduct	-22.24	
26 05 36 00-1996 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	397.69	160.42
For 4-5/8" Overall Height Instead Of 6", Deduct	-26.40	
26 05 36 00-1997 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	461.03	187.22
For 4-5/8" Overall Height Instead Of 6", Deduct	-30.50	
26 05 36 00-1998 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	511.57	210.44
For 4-5/8" Overall Height Instead Of 6", Deduct	-33.62	
26 05 36 00-1999 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-2000 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	284.33	98.97
For 4-5/8" Overall Height Instead Of 6", Deduct	-20.18	
26 05 36 00-2001 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	343.82	124.51
For 4-5/8" Overall Height Instead Of 6", Deduct	-24.01	
26 05 36 00-2002 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	389.04	140.50
For 4-5/8" Overall Height Instead Of 6", Deduct	-27.20	
26 05 36 00-2003 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	465.02	177.47
For 4-5/8" Overall Height Instead Of 6", Deduct	-31.72	
26 05 36 00-2004 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	529.18	198.16
For 4-5/8" Overall Height Instead Of 6", Deduct	-36.41	
26 05 36 00-2005 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	617.15	240.74
For 4-5/8" Overall Height Instead Of 6", Deduct	-41.65	
26 05 36 00-2006 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2007 EA 6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	238.52	88.38
For 4-5/8" Overall Height Instead Of 6", Deduct	-16.48	
26 05 36 00-2008 EA 9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	256.59	96.03
For 4-5/8" Overall Height Instead Of 6", Deduct	-17.66	
26 05 36 00-2009 EA 12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	278.28	108.38
For 4-5/8" Overall Height Instead Of 6", Deduct	-18.80	
26 05 36 00-2010 EA 18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	301.12	120.09
For 4-5/8" Overall Height Instead Of 6", Deduct	-20.10	
26 05 36 00-2011 EA 24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	356.02	146.54
For 4-5/8" Overall Height Instead Of 6", Deduct	-23.39	
26 05 36 00-2012 EA 30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	398.24	168.63
For 4-5/8" Overall Height Instead Of 6", Deduct	-25.77	
26 05 36 00-2013 EA 36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	429.78	186.86
For 4-5/8" Overall Height Instead Of 6", Deduct	-27.40	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2014			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2015	EA		6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	278.38	93.44
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-20.05	
26 05 36 00-2016	EA		12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	327.05	116.16
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.03	
26 05 36 00-2017	EA		18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	361.39	129.56
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-25.34	
26 05 36 00-2018	EA		24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	414.93	160.42
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.13	
26 05 36 00-2019	EA		30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	466.68	186.86
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.09	
26 05 36 00-2020	EA		36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	513.52	210.44
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.82	
26 05 36 00-2021			90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2022	EA		6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	316.61	98.76
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.43	
26 05 36 00-2023	EA		12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	370.81	124.79
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.68	
26 05 36 00-2024	EA		18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	416.46	140.50
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.94	
26 05 36 00-2025	EA		24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	492.74	177.12
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.51	
26 05 36 00-2026	EA		30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	547.31	198.16
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-38.22	
26 05 36 00-2027	EA		36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	623.95	240.25
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.38	
26 05 36 00-2028			12" Radius Horizontal Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2029	EA		6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	394.53	168.35
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-25.42	
26 05 36 00-2030	EA		9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	412.43	177.12
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.48	
26 05 36 00-2031	EA		12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	437.91	186.58
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.24	
26 05 36 00-2032	EA		18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	499.03	210.86
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.33	
26 05 36 00-2033	EA		24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	569.68	240.25
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.95	
26 05 36 00-2034	EA		30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	648.88	280.58
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-41.51	
26 05 36 00-2035	EA		36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	715.98	305.84
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.11	
26 05 36 00-2036			24" Radius Horizontal Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2037	EA		6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	485.12	186.86
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.94	
26 05 36 00-2038	EA		12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	547.55	210.02
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.25	
26 05 36 00-2039	EA		18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	617.44	240.25
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-41.73	
26 05 36 00-2040	EA		24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	737.71	279.81
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-50.45	
26 05 36 00-2041	EA		30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	855.10	337.26
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-57.41	
26 05 36 00-2042	EA		36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	965.93	374.44
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-65.39	
26 05 36 00-2043			36" Radius Horizontal Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2044	EA		6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	629.65	210.44
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.43	
26 05 36 00-2045	EA		12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	720.54	240.25
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-52.04	
26 05 36 00-2046	EA		18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	754.13	234.36
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-55.89	
26 05 36 00-2047	EA		24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	983.53	336.14
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-70.34	
26 05 36 00-2048	EA		30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,154.66	422.56
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-80.25	
26 05 36 00-2049	EA		36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,321.68	480.43
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-92.13	
26 05 36 00-2050			12" Radius Vertical Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2051	EA		6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	436.86	168.35
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2052 EA 9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	452.59	177.12
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-30.50	
26 05 36 00-2053 EA 12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	480.78	186.86
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.50	
26 05 36 00-2054 EA 18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	500.64	198.16
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.55	
26 05 36 00-2055 EA 24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	524.76	210.02
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.97	
26 05 36 00-2056 EA 30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	556.24	224.32
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.93	
26 05 36 00-2057 EA 36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	620.79	258.48
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.54	
26 05 36 00-2058 24" Radius Vertical Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2059 EA 6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	532.88	186.86
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.71	
26 05 36 00-2060 EA 12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	588.79	210.02
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-41.38	
26 05 36 00-2061 EA 18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	628.95	224.32
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-44.20	
26 05 36 00-2062 EA 24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	671.70	240.25
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-47.15	
26 05 36 00-2063 EA 30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	723.90	258.48
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-50.85	
26 05 36 00-2064 EA 36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	809.71	306.75
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-55.41	
26 05 36 00-2065 36" Radius Vertical Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2066 EA 6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	691.89	210.02
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.69	
26 05 36 00-2067 EA 12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	763.95	240.25
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-56.38	
26 05 36 00-2068 EA 18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	805.29	258.48
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-58.99	
26 05 36 00-2069 EA 24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	870.44	281.35
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-63.60	
26 05 36 00-2070 EA 30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	945.37	306.75
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-68.97	
26 05 36 00-2071 EA 36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,077.67	373.11
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-76.67	
26 05 36 00-2072 12" Radius Horizontal Crosses <small>(26 05 36 00-1961)</small>		
26 05 36 00-2073 EA 6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	453.65	186.86
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.79	
26 05 36 00-2074 EA 9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	482.19	198.16
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.71	
26 05 36 00-2075 EA 12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	507.71	210.86
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.20	
26 05 36 00-2076 EA 18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	564.26	240.25
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.41	
26 05 36 00-2077 EA 24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	648.72	279.81
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-41.55	
26 05 36 00-2078 EA 30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	729.70	305.00
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-47.56	
26 05 36 00-2079 EA 36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	891.05	374.44
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-57.90	
26 05 36 00-2080 24" Radius Horizontal Crosses <small>(26 05 36 00-1961)</small>		
26 05 36 00-2081 EA 6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	606.47	210.86
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-43.08	
26 05 36 00-2082 EA 12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	679.30	240.25
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-47.91	
26 05 36 00-2083 EA 18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	767.01	279.81
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-53.38	
26 05 36 00-2084 EA 24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	907.56	336.14
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-62.74	
26 05 36 00-2085 EA 30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	996.27	373.11
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-68.53	
26 05 36 00-2086 EA 36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,224.01	480.43
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-82.36	
26 05 36 00-2087 36" Radius Horizontal Crosses <small>(26 05 36 00-1961)</small>		
26 05 36 00-2088 EA 6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	818.21	240.25
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-61.80	
26 05 36 00-2089 EA 12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	913.85	281.35
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-67.94	
26 05 36 00-2090 EA 18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,043.22	336.14
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-76.31	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2091 EA 24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,263.19 -91.11	422.56
26 05 36 00-2092 EA 30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,412.18 -101.00	482.67
26 05 36 00-2093 EA 36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,638.22 -117.18	559.69
26 05 36 00-2094 Straight Reducers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2095 EA 9"-6" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	163.04 -11.63	56.12
26 05 36 00-2096 EA 12"-9" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	171.23 -12.20	59.14
26 05 36 00-2097 EA 18"-12" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	194.97 -13.66	70.08
26 05 36 00-2098 EA 24"-18" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	216.92 -15.02	80.03
26 05 36 00-2099 EA 30"-24" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	241.62 -16.37	93.51
26 05 36 00-2100 EA 36"-30" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	264.00 -17.65	105.01
26 05 36 00-2101 Reducers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2102 EA 12"-6" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	171.06 -12.19	59.00
26 05 36 00-2103 EA 18"-6" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	194.89 -13.65	70.08
26 05 36 00-2104 EA 18"-9" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	194.89 -13.65	70.08
26 05 36 00-2105 EA 24"-6" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	217.02 -15.03	80.10
26 05 36 00-2106 EA 24"-9" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	217.02 -15.03	80.10
26 05 36 00-2107 EA 24"-12" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	217.23 -15.04	80.17
26 05 36 00-2108 EA 30"-12" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	243.65 -16.58	93.44
26 05 36 00-2109 EA 30"-18" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	241.34 -16.35	93.37
26 05 36 00-2110 EA 36"-12" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	264.00 -17.65	105.01
26 05 36 00-2111 EA 36"-18" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	264.00 -17.65	105.01
26 05 36 00-2112 EA 36"-24" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	264.35 -17.67	105.22
26 05 36 00-2113 Dropout Or End Plate <small>(26 05 36 00-1961)</small>		
26 05 36 00-2114 EA 6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	57.36	25.89
26 05 36 00-2115 EA 9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	62.58	28.26
26 05 36 00-2116 EA 12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	67.40	30.37
26 05 36 00-2117 EA 18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	76.13	33.53
26 05 36 00-2118 EA 24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	86.78	37.39
26 05 36 00-2119 EA 30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	96.12	42.02
26 05 36 00-2120 EA 36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	110.03	48.12
26 05 36 00-2121 Covers And Dividers <small>(26 05 36 00-0001)</small>		
26 05 36 00-2122 Galvanized Steel Covers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2123 Ventilated Straight Sections <small>(26 05 36 00-2122)</small>		
26 05 36 00-2124 LF 6" Steel Cable Tray Cover, Straight Section	5.92	1.26
26 05 36 00-2125 LF 9" Steel Cable Tray Cover, Straight Section	7.14	1.47
26 05 36 00-2126 LF 12" Steel Cable Tray Cover, Straight Section	8.38	1.68
26 05 36 00-2127 LF 18" Steel Cable Tray Cover, Straight Section	11.36	2.25
26 05 36 00-2128 LF 24" Steel Cable Tray Cover, Straight Section	14.42	3.02
26 05 36 00-2129 LF 30" Steel Cable Tray Cover, Straight Section	17.50	3.72
26 05 36 00-2130 LF 36" Steel Cable Tray Cover, Straight Section	83.19	42.16
26 05 36 00-2131 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2132 EA 6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	35.71	4.49
26 05 36 00-2133 EA 9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	39.96	5.26
26 05 36 00-2134 EA 12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	43.36	6.25
26 05 36 00-2135 EA 18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	58.91	8.00
26 05 36 00-2136 EA 24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	72.18	10.17
26 05 36 00-2137 EA 30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	87.16	11.29
26 05 36 00-2138 EA 36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	105.26	13.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2139 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2140 EA 6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	55.06	4.98
26 05 36 00-2141 EA 9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	57.67	5.83
26 05 36 00-2142 EA 12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	65.11	7.02
26 05 36 00-2143 EA 18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	80.79	8.90
26 05 36 00-2144 EA 24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	99.12	11.22
26 05 36 00-2145 EA 30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	127.16	12.90
26 05 36 00-2146 EA 36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	147.93	15.29
26 05 36 00-2147 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2148 EA 6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	77.69	5.61
26 05 36 00-2149 EA 9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	86.39	6.46
26 05 36 00-2150 EA 12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	93.74	8.00
26 05 36 00-2151 EA 18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	118.78	9.32
26 05 36 00-2152 EA 24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	143.97	12.97
26 05 36 00-2153 EA 30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	169.59	14.66
26 05 36 00-2154 EA 36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	198.39	16.83
26 05 36 00-2155 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2156 EA 6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	27.56	4.49
For 60 Degree Bend, Deduct	-7.37	
For 30 Degree Bend, Deduct	-12.53	
26 05 36 00-2157 EA 9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	32.76	5.26
For 60 Degree Bend, Deduct	-8.80	
For 30 Degree Bend, Deduct	-14.95	
26 05 36 00-2158 EA 12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	36.76	6.25
For 60 Degree Bend, Deduct	-9.75	
For 30 Degree Bend, Deduct	-16.59	
26 05 36 00-2159 EA 18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	44.54	7.65
For 60 Degree Bend, Deduct	-11.77	
For 30 Degree Bend, Deduct	-20.04	
26 05 36 00-2160 EA 24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	51.99	8.84
For 60 Degree Bend, Deduct	-13.76	
For 30 Degree Bend, Deduct	-23.42	
26 05 36 00-2161 EA 30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	60.79	10.17
For 60 Degree Bend, Deduct	-16.15	
For 30 Degree Bend, Deduct	-27.48	
26 05 36 00-2162 EA 36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	67.90	11.22
For 60 Degree Bend, Deduct	-18.10	
For 30 Degree Bend, Deduct	-30.80	
26 05 36 00-2163 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2164 EA 6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	37.68	4.98
For 60 Degree Bend, Deduct	-10.53	
For 30 Degree Bend, Deduct	-17.83	
26 05 36 00-2165 EA 9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	42.68	5.83
For 60 Degree Bend, Deduct	-11.86	
For 30 Degree Bend, Deduct	-20.09	
26 05 36 00-2166 EA 12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	48.92	7.02
For 60 Degree Bend, Deduct	-13.45	
For 30 Degree Bend, Deduct	-22.80	
26 05 36 00-2167 EA 18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	56.65	8.42
For 60 Degree Bend, Deduct	-15.46	
For 30 Degree Bend, Deduct	-26.24	
26 05 36 00-2168 EA 24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	65.25	9.61
For 60 Degree Bend, Deduct	-17.84	
For 30 Degree Bend, Deduct	-30.27	
26 05 36 00-2169 EA 30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	81.14	11.22
For 60 Degree Bend, Deduct	-22.46	
For 30 Degree Bend, Deduct	-38.06	
26 05 36 00-2170 EA 36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	90.00	12.97
For 60 Degree Bend, Deduct	-24.73	
For 30 Degree Bend, Deduct	-41.94	
26 05 36 00-2171 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2172 EA 6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	51.92	5.61
For 60 Degree Bend, Deduct	-14.99	
For 30 Degree Bend, Deduct	-25.29	
26 05 36 00-2173 EA 9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	58.79	6.46
For 60 Degree Bend, Deduct	-16.92	
For 30 Degree Bend, Deduct	-28.55	
26 05 36 00-2174 EA 12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	66.11	8.00
For 60 Degree Bend, Deduct	-18.75	
For 30 Degree Bend, Deduct	-31.70	
26 05 36 00-2175 EA 18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	75.41	8.90
For 60 Degree Bend, Deduct	-21.48	
For 30 Degree Bend, Deduct	-36.29	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2176 EA 24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	91.91 -26.16 -44.21	10.87
26 05 36 00-2177 EA 30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	102.00 -28.69 -48.54	12.97
26 05 36 00-2178 EA 36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	120.59 -34.41 -58.13	14.03
26 05 36 00-2179 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2180 EA 6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	31.01	4.49
26 05 36 00-2181 EA 9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	32.76	5.26
26 05 36 00-2182 EA 12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	36.16	6.25
26 05 36 00-2183 EA 18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	42.15	7.65
26 05 36 00-2184 EA 24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	46.50	9.89
26 05 36 00-2185 EA 30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	51.77	11.29
26 05 36 00-2186 EA 36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	65.02	13.47
26 05 36 00-2187 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2188 EA 6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	37.07	4.98
26 05 36 00-2189 EA 9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	41.48	5.83
26 05 36 00-2190 EA 12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	44.72	7.02
26 05 36 00-2191 EA 18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	57.82	8.42
26 05 36 00-2192 EA 24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	67.29	10.87
26 05 36 00-2193 EA 30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	77.37	12.97
26 05 36 00-2194 EA 36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	89.13	15.29
26 05 36 00-2195 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2196 EA 6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	42.90	5.61
26 05 36 00-2197 EA 9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	53.40	6.46
26 05 36 00-2198 EA 12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	61.34	8.00
26 05 36 00-2199 EA 18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	75.41	8.90
26 05 36 00-2200 EA 24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	87.92	12.41
26 05 36 00-2201 EA 30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	104.80	14.66
26 05 36 00-2202 EA 36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	122.80	16.83
26 05 36 00-2203 12" Radius Horizontal Tees <small>(26 05 36 00-2122)</small>		
26 05 36 00-2204 EA 6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	54.80	7.30
26 05 36 00-2205 EA 9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	57.82	8.42
26 05 36 00-2206 EA 12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	65.64	9.89
26 05 36 00-2207 EA 18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	78.74	11.22
26 05 36 00-2208 EA 24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	97.20	12.97
26 05 36 00-2209 EA 30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	119.91	18.66
26 05 36 00-2210 EA 36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	144.12	22.38
26 05 36 00-2211 24" Radius Horizontal Tees <small>(26 05 36 00-2122)</small>		
26 05 36 00-2212 EA 6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	79.94	7.65
26 05 36 00-2213 EA 9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	91.60	8.90
26 05 36 00-2214 EA 12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	96.71	10.52
26 05 36 00-2215 EA 18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	122.05	12.06
26 05 36 00-2216 EA 24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	179.30	14.03
26 05 36 00-2217 EA 30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	212.68	21.05
26 05 36 00-2218 EA 36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	238.72	25.89
26 05 36 00-2219 36" Radius Horizontal Tees <small>(26 05 36 00-2122)</small>		
26 05 36 00-2220 EA 6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	134.52	8.00
26 05 36 00-2221 EA 9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	139.16	9.32
26 05 36 00-2222 EA 12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	155.51	11.22
26 05 36 00-2223 EA 18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	182.42	12.97
26 05 36 00-2224 EA 24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	236.72	15.29
26 05 36 00-2225 EA 30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	269.36	24.13
26 05 36 00-2226 EA 36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	311.23	30.51
26 05 36 00-2227 12" Radius Horizontal Crosses <small>(26 05 36 00-2122)</small>		
26 05 36 00-2228 EA 6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	80.07	9.89
26 05 36 00-2229 EA 9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	84.73	10.52
26 05 36 00-2230 EA 12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	93.74	11.22
26 05 36 00-2231 EA 18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	110.40	12.97
26 05 36 00-2232 EA 24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	139.08	18.66
26 05 36 00-2233 EA 30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	160.88	22.38
26 05 36 00-2234 EA 36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	184.04	24.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2235	24" Radius Horizontal Crosses <small>(26 05 36 00-2122)</small>	
26 05 36 00-2236 EA 6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	138.75	10.52
26 05 36 00-2237 EA 9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	150.71	11.22
26 05 36 00-2238 EA 12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	161.64	12.06
26 05 36 00-2239 EA 18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	192.50	14.03
26 05 36 00-2240 EA 24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	241.45	21.05
26 05 36 00-2241 EA 30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	275.85	25.89
26 05 36 00-2242 EA 36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	308.23	27.98
26 05 36 00-2243	36" Radius Horizontal Crosses <small>(26 05 36 00-2122)</small>	
26 05 36 00-2244 EA 6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	221.51	11.22
26 05 36 00-2245 EA 9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	230.04	12.06
26 05 36 00-2246 EA 12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	242.41	12.97
26 05 36 00-2247 EA 18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	279.91	15.29
26 05 36 00-2248 EA 24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	364.12	24.06
26 05 36 00-2249 EA 30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	399.05	30.65
26 05 36 00-2250 EA 36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	428.08	33.67
26 05 36 00-2251	Reducers <small>(26 05 36 00-2122)</small>	
26 05 36 00-2252 EA 9"-6" Reducer, Steel Cable Tray Covers.....	35.77	5.26
26 05 36 00-2253 EA 12"-6" Reducer, Steel Cable Tray Covers.....	38.58	6.25
26 05 36 00-2254 EA 12"-9" Reducer, Steel Cable Tray Covers.....	38.58	6.25
26 05 36 00-2255 EA 18"-6" Reducer, Steel Cable Tray Covers.....	42.75	7.65
26 05 36 00-2256 EA 18"-12" Reducer, Steel Cable Tray Covers.....	42.75	7.65
26 05 36 00-2257 EA 24"-12" Reducer, Steel Cable Tray Covers.....	52.43	8.42
26 05 36 00-2258 EA 24"-18" Reducer, Steel Cable Tray Covers.....	56.03	8.42
26 05 36 00-2259 EA 30"-12" Reducer, Steel Cable Tray Covers.....	54.44	9.61
26 05 36 00-2260 EA 30"-18" Reducer, Steel Cable Tray Covers.....	58.04	9.61
26 05 36 00-2261 EA 30"-24" Reducer, Steel Cable Tray Covers.....	60.43	9.61
26 05 36 00-2262 EA 36"-12" Reducer, Steel Cable Tray Covers.....	63.09	10.52
26 05 36 00-2263 EA 36"-18" Reducer, Steel Cable Tray Covers.....	64.29	10.52
26 05 36 00-2264 EA 36"-24" Reducer, Steel Cable Tray Covers.....	65.49	10.52
26 05 36 00-2265 EA 36"-30" Reducer, Steel Cable Tray Covers.....	66.09	10.52
26 05 36 00-2266	Aluminum Covers <small>(26 05 36 00-2121)</small>	
26 05 36 00-2267	Ventilated Straight Sections <small>(26 05 36 00-2266)</small>	
26 05 36 00-2268 LF 6" Aluminum Cable Tray Cover, Straight Section.....	5.45	1.26
26 05 36 00-2269 LF 9" Aluminum Cable Tray Cover, Straight Section.....	6.48	1.47
26 05 36 00-2270 LF 12" Aluminum Cable Tray Cover, Straight Section.....	7.58	1.68
26 05 36 00-2271 LF 18" Aluminum Cable Tray Cover, Straight Section.....	10.09	2.25
26 05 36 00-2272 LF 24" Aluminum Cable Tray Cover, Straight Section.....	13.04	3.02
26 05 36 00-2273 LF 30" Aluminum Cable Tray Cover, Straight Section.....	14.96	3.72
26 05 36 00-2274 LF 36" Aluminum Cable Tray Cover, Straight Section.....	19.57	4.21
26 05 36 00-2275	90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>	
26 05 36 00-2276 EA 6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	32.47	4.49
26 05 36 00-2277 EA 9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	34.81	5.26
26 05 36 00-2278 EA 12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	38.58	6.25
26 05 36 00-2279 EA 18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	50.22	8.00
26 05 36 00-2280 EA 24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	63.66	10.17
26 05 36 00-2281 EA 30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	74.66	11.29
26 05 36 00-2282 EA 36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	90.84	13.47
26 05 36 00-2283	90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>	
26 05 36 00-2284 EA 6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	42.46	4.98
26 05 36 00-2285 EA 9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	52.01	5.83
26 05 36 00-2286 EA 12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	58.39	7.02
26 05 36 00-2287 EA 18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	70.15	8.90
26 05 36 00-2288 EA 24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	87.10	11.22
26 05 36 00-2289 EA 30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	105.14	12.90
26 05 36 00-2290 EA 36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	128.64	15.29
26 05 36 00-2291	90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>	
26 05 36 00-2292 EA 6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	67.91	5.61
26 05 36 00-2293 EA 9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	74.83	6.46
26 05 36 00-2294 EA 12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	86.06	8.00
26 05 36 00-2295 EA 18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	102.41	9.32
26 05 36 00-2296 EA 24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	126.85	12.97
26 05 36 00-2297 EA 30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	145.96	14.66
26 05 36 00-2298 EA 36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	170.18	16.83

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2299			45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2300	EA		6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	25.97	4.49
			<i>For 60 Degree Bend, Deduct</i>	-6.84	
			<i>For 30 Degree Bend, Deduct</i>	-11.65	
26 05 36 00-2301	EA		9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	27.75	5.26
			<i>For 60 Degree Bend, Deduct</i>	-7.14	
			<i>For 30 Degree Bend, Deduct</i>	-12.20	
26 05 36 00-2302	EA		12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	31.63	6.25
			<i>For 60 Degree Bend, Deduct</i>	-8.06	
			<i>For 30 Degree Bend, Deduct</i>	-13.77	
26 05 36 00-2303	EA		18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	37.16	7.65
			<i>For 60 Degree Bend, Deduct</i>	-9.33	
			<i>For 30 Degree Bend, Deduct</i>	-15.98	
26 05 36 00-2304	EA		24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	41.92	8.84
			<i>For 60 Degree Bend, Deduct</i>	-10.43	
			<i>For 30 Degree Bend, Deduct</i>	-17.88	
26 05 36 00-2305	EA		30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	51.19	10.17
			<i>For 60 Degree Bend, Deduct</i>	-12.98	
			<i>For 30 Degree Bend, Deduct</i>	-22.20	
26 05 36 00-2306	EA		36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	59.95	11.22
			<i>For 60 Degree Bend, Deduct</i>	-15.48	
			<i>For 30 Degree Bend, Deduct</i>	-26.42	
26 05 36 00-2307			45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2308	EA		6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	29.71	4.98
			<i>For 60 Degree Bend, Deduct</i>	-7.90	
			<i>For 30 Degree Bend, Deduct</i>	-13.44	
26 05 36 00-2309	EA		9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	36.81	5.83
			<i>For 60 Degree Bend, Deduct</i>	-9.92	
			<i>For 30 Degree Bend, Deduct</i>	-16.86	
26 05 36 00-2310	EA		12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	39.94	7.02
			<i>For 60 Degree Bend, Deduct</i>	-10.48	
			<i>For 30 Degree Bend, Deduct</i>	-17.87	
26 05 36 00-2311	EA		18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	48.24	8.42
			<i>For 60 Degree Bend, Deduct</i>	-12.69	
			<i>For 30 Degree Bend, Deduct</i>	-21.61	
26 05 36 00-2312	EA		24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	58.39	9.61
			<i>For 60 Degree Bend, Deduct</i>	-15.57	
			<i>For 30 Degree Bend, Deduct</i>	-26.49	
26 05 36 00-2313	EA		30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	67.59	11.22
			<i>For 60 Degree Bend, Deduct</i>	-17.99	
			<i>For 30 Degree Bend, Deduct</i>	-30.61	
26 05 36 00-2314	EA		36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	78.04	12.97
			<i>For 60 Degree Bend, Deduct</i>	-20.78	
			<i>For 30 Degree Bend, Deduct</i>	-35.36	
26 05 36 00-2315			45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2316	EA		6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	46.22	5.61
			<i>For 60 Degree Bend, Deduct</i>	-13.11	
			<i>For 30 Degree Bend, Deduct</i>	-22.16	
26 05 36 00-2317	EA		9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	50.96	6.46
			<i>For 60 Degree Bend, Deduct</i>	-14.33	
			<i>For 30 Degree Bend, Deduct</i>	-24.25	
26 05 36 00-2318	EA		12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	55.65	8.00
			<i>For 60 Degree Bend, Deduct</i>	-15.30	
			<i>For 30 Degree Bend, Deduct</i>	-25.95	
26 05 36 00-2319	EA		18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	65.83	8.90
			<i>For 60 Degree Bend, Deduct</i>	-18.32	
			<i>For 30 Degree Bend, Deduct</i>	-31.02	
26 05 36 00-2320	EA		24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	79.98	10.87
			<i>For 60 Degree Bend, Deduct</i>	-22.23	
			<i>For 30 Degree Bend, Deduct</i>	-37.65	
26 05 36 00-2321	EA		30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	92.15	12.97
			<i>For 60 Degree Bend, Deduct</i>	-25.44	
			<i>For 30 Degree Bend, Deduct</i>	-43.12	
26 05 36 00-2322	EA		36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	103.71	14.03
			<i>For 60 Degree Bend, Deduct</i>	-28.84	
			<i>For 30 Degree Bend, Deduct</i>	-48.85	
26 05 36 00-2323			90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-2266)</small>		
26 05 36 00-2324	EA		6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	28.76	4.49
26 05 36 00-2325	EA		9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	30.19	5.26
26 05 36 00-2326	EA		12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	33.69	6.25
26 05 36 00-2327	EA		18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	39.88	7.65
26 05 36 00-2328	EA		24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	44.72	9.89
26 05 36 00-2329	EA		30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	47.53	11.29
26 05 36 00-2330	EA		36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	57.15	13.47
26 05 36 00-2331			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-2266)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2332 EA 6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	32.69	4.98
26 05 36 00-2333 EA 9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	36.27	5.83
26 05 36 00-2334 EA 12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	40.48	7.02
26 05 36 00-2335 EA 18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	48.76	8.42
26 05 36 00-2336 EA 24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	56.08	10.87
26 05 36 00-2337 EA 30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	70.42	12.97
26 05 36 00-2338 EA 36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	78.72	15.29
26 05 36 00-2339 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-2266)</small>		
26 05 36 00-2340 EA 6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	37.52	5.61
26 05 36 00-2341 EA 9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	45.53	6.46
26 05 36 00-2342 EA 12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	53.51	8.00
26 05 36 00-2343 EA 18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	63.66	8.90
26 05 36 00-2344 EA 24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	78.25	12.41
26 05 36 00-2345 EA 30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	97.12	14.66
26 05 36 00-2346 EA 36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	106.15	16.83
26 05 36 00-2347 12" Radius Horizontal Tees <small>(26 05 36 00-2266)</small>		
26 05 36 00-2348 EA 6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	46.93	7.30
26 05 36 00-2349 EA 9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	50.93	8.42
26 05 36 00-2350 EA 12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	57.69	9.89
26 05 36 00-2351 EA 18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	67.59	11.22
26 05 36 00-2352 EA 24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	83.47	12.97
26 05 36 00-2353 EA 30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	103.83	18.66
26 05 36 00-2354 EA 36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	125.24	22.38
26 05 36 00-2355 24" Radius Horizontal Tees <small>(26 05 36 00-2266)</small>		
26 05 36 00-2356 EA 6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	69.18	7.65
26 05 36 00-2357 EA 9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	77.76	8.90
26 05 36 00-2358 EA 12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	88.06	10.52
26 05 36 00-2359 EA 18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	102.54	12.06
26 05 36 00-2360 EA 24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	154.64	14.03
26 05 36 00-2361 EA 30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	180.53	21.05
26 05 36 00-2362 EA 36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	204.85	25.89
26 05 36 00-2363 36" Radius Horizontal Tees <small>(26 05 36 00-2266)</small>		
26 05 36 00-2364 EA 6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	116.43	8.00
26 05 36 00-2365 EA 9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	120.84	9.32
26 05 36 00-2366 EA 12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	134.85	11.22
26 05 36 00-2367 EA 18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	152.96	12.97
26 05 36 00-2368 EA 24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	192.67	15.29
26 05 36 00-2369 EA 30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	227.94	24.13
26 05 36 00-2370 EA 36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	262.49	30.51
26 05 36 00-2371 12" Radius Horizontal Crosses <small>(26 05 36 00-2266)</small>		
26 05 36 00-2372 EA 6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	69.66	9.89
26 05 36 00-2373 EA 9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	73.97	10.52
26 05 36 00-2374 EA 12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	81.70	11.22
26 05 36 00-2375 EA 18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	97.58	12.97
26 05 36 00-2376 EA 24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	119.00	18.66
26 05 36 00-2377 EA 30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	141.48	22.38
26 05 36 00-2378 EA 36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	160.53	24.06
26 05 36 00-2379 24" Radius Horizontal Crosses <small>(26 05 36 00-2266)</small>		
26 05 36 00-2380 EA 6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	121.75	10.52
26 05 36 00-2381 EA 9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	130.51	11.22
26 05 36 00-2382 EA 12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	140.53	12.06
26 05 36 00-2383 EA 18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	163.32	14.03
26 05 36 00-2384 EA 24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	202.20	21.05
26 05 36 00-2385 EA 30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	238.43	25.89
26 05 36 00-2386 EA 36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	258.29	27.98
26 05 36 00-2387 36" Radius Horizontal Crosses <small>(26 05 36 00-2266)</small>		
26 05 36 00-2388 EA 6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	185.86	11.22
26 05 36 00-2389 EA 9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	194.79	12.06
26 05 36 00-2390 EA 12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	209.39	12.97
26 05 36 00-2391 EA 18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	231.74	15.29
26 05 36 00-2392 EA 24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	295.20	24.06
26 05 36 00-2393 EA 30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	344.12	30.65
26 05 36 00-2394 EA 36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	376.28	33.67

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2395			Reducers <small>(26 05 36 00-2266)</small>		
26 05 36 00-2396	EA		9"-6" Reducer, Aluminum Cable Tray Covers.....	35.36	5.26
26 05 36 00-2397	EA		12"-6" Reducer, Aluminum Cable Tray Covers.....	38.05	6.25
26 05 36 00-2398	EA		12"-9" Reducer, Aluminum Cable Tray Covers.....	38.05	6.25
26 05 36 00-2399	EA		18"-6" Reducer, Aluminum Cable Tray Covers.....	43.14	7.65
26 05 36 00-2400	EA		18"-12" Reducer, Aluminum Cable Tray Covers.....	43.14	7.65
26 05 36 00-2401	EA		24"-12" Reducer, Aluminum Cable Tray Covers.....	47.67	8.42
26 05 36 00-2402	EA		24"-18" Reducer, Aluminum Cable Tray Covers.....	51.99	8.42
26 05 36 00-2403	EA		30"-12" Reducer, Aluminum Cable Tray Covers.....	55.11	9.61
26 05 36 00-2404	EA		30"-18" Reducer, Aluminum Cable Tray Covers.....	56.73	9.61
26 05 36 00-2405	EA		30"-24" Reducer, Aluminum Cable Tray Covers.....	57.84	9.61
26 05 36 00-2406	EA		36"-12" Reducer, Aluminum Cable Tray Covers.....	60.91	10.52
26 05 36 00-2407	EA		36"-18" Reducer, Aluminum Cable Tray Covers.....	62.00	10.52
26 05 36 00-2408	EA		36"-24" Reducer, Aluminum Cable Tray Covers.....	62.54	10.52
26 05 36 00-2409	EA		36"-30" Reducer, Aluminum Cable Tray Covers.....	63.08	10.52
26 05 36 00-2410			Galvanized Steel Dividers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2411			Straight Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2412	LF		3" Deep Galvanized Steel Divider Strip, Straight.....	6.11	1.68
26 05 36 00-2413	LF		4" Deep Galvanized Steel Divider Strip, Straight.....	7.18	1.82
26 05 36 00-2414	LF		6" Deep Galvanized Steel Divider Strip, Straight.....	8.85	2.11
26 05 36 00-2415			3" Deep Vertical Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2416	EA		Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	36.26	12.06
26 05 36 00-2417	EA		Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	41.10	12.48
26 05 36 00-2418	EA		Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray.....	43.21	12.97
26 05 36 00-2419	EA		Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray.....	49.45	13.47
26 05 36 00-2420	EA		Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray.....	47.05	13.47
26 05 36 00-2421	EA		Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray.....	50.96	14.03
26 05 36 00-2422	EA		Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray.....	59.21	14.66
26 05 36 00-2423	EA		Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray.....	72.93	15.29
26 05 36 00-2424	EA		Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable.....	58.54	15.29
26 05 36 00-2425	EA		Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray.....	65.12	16.06
26 05 36 00-2426	EA		Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray.....	73.04	16.83
26 05 36 00-2427	EA		Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray.....	91.92	17.75
26 05 36 00-2428			4" Deep Vertical Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2429	EA		Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	41.40	12.48
26 05 36 00-2430	EA		Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	45.61	12.97
26 05 36 00-2431	EA		Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray.....	49.45	13.47
26 05 36 00-2432	EA		Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray.....	56.36	14.03
26 05 36 00-2433	EA		Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray.....	56.36	14.03
26 05 36 00-2434	EA		Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray.....	65.81	14.66
26 05 36 00-2435	EA		Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray.....	72.33	15.29
26 05 36 00-2436	EA		Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray.....	89.11	16.06
26 05 36 00-2437	EA		Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray.....	62.81	14.66
26 05 36 00-2438	EA		Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray.....	69.33	15.29
26 05 36 00-2439	EA		Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray.....	81.91	16.06
26 05 36 00-2440	EA		Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray.....	103.04	16.83
26 05 36 00-2441			6" Deep Vertical Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2442	EA		Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	45.86	14.03
26 05 36 00-2443	EA		Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	49.61	14.66
26 05 36 00-2444	EA		Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray.....	54.34	15.29
26 05 36 00-2445	EA		Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray.....	62.72	16.06
26 05 36 00-2446	EA		Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray.....	57.41	14.66
26 05 36 00-2447	EA		Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray.....	66.94	15.29
26 05 36 00-2448	EA		Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray.....	74.11	16.06
26 05 36 00-2449	EA		Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray.....	90.44	16.83
26 05 36 00-2450	EA		Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray.....	63.94	15.29
26 05 36 00-2451	EA		Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray.....	74.11	16.06
26 05 36 00-2452	EA		Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray.....	90.44	16.83
26 05 36 00-2453	EA		Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray.....	109.92	17.75
26 05 36 00-2454			Horizontal Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2455	EA		3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray.....	40.07	10.17
26 05 36 00-2456	EA		4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray.....	44.53	11.22
26 05 36 00-2457	EA		6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray.....	53.76	12.48
26 05 36 00-2458			Aluminum Dividers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2459			Straight Dividers <small>(26 05 36 00-2458)</small>		
26 05 36 00-2460	LF		3" Deep Aluminum Divider Strip, Straight.....	5.65	1.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2461 LF 4" Deep Aluminum Divider Strip, Straight	6.64	1.75
26 05 36 00-2462 LF 6" Deep Aluminum Divider Strip, Straight	8.13	1.97
26 05 36 00-2463 3" Deep Vertical Dividers (26 05 36 00-2458)		
26 05 36 00-2464 EA Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray.....	31.79	11.64
26 05 36 00-2465 EA Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray.....	34.71	12.06
26 05 36 00-2466 EA Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray.....	37.91	12.48
26 05 36 00-2467 EA Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray.....	43.32	12.97
26 05 36 00-2468 EA Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray.....	42.23	12.97
26 05 36 00-2469 EA Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray.....	46.33	13.47
26 05 36 00-2470 EA Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray.....	53.21	14.03
26 05 36 00-2471 EA Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray.....	65.11	14.66
26 05 36 00-2472 EA Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray.....	55.88	14.66
26 05 36 00-2473 EA Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray.....	66.24	15.29
26 05 36 00-2474 EA Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray.....	79.36	16.06
26 05 36 00-2475 EA Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray.....	96.97	16.83
26 05 36 00-2476 4" Deep Vertical Dividers (26 05 36 00-2458)		
26 05 36 00-2477 EA Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray.....	37.59	12.06
26 05 36 00-2478 EA Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray.....	41.11	12.48
26 05 36 00-2479 EA Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray.....	44.94	12.97
26 05 36 00-2480 EA Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray.....	50.12	13.47
26 05 36 00-2481 EA Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray.....	49.58	13.47
26 05 36 00-2482 EA Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray.....	57.00	14.03
26 05 36 00-2483 EA Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray.....	64.02	14.66
26 05 36 00-2484 EA Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray.....	79.80	15.29
26 05 36 00-2485 EA Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray.....	65.69	14.03
26 05 36 00-2486 EA Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray.....	78.67	14.66
26 05 36 00-2487 EA Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray.....	91.74	15.29
26 05 36 00-2488 EA Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray.....	110.29	16.06
26 05 36 00-2489 6" Deep Vertical Dividers (26 05 36 00-2458)		
26 05 36 00-2490 EA Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray.....	41.66	13.47
26 05 36 00-2491 EA Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray.....	46.15	14.03
26 05 36 00-2492 EA Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray.....	48.29	14.66
26 05 36 00-2493 EA Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray.....	53.76	15.29
26 05 36 00-2494 EA Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray.....	51.58	14.03
26 05 36 00-2495 EA Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray.....	62.94	14.66
26 05 36 00-2496 EA Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray.....	67.87	15.29
26 05 36 00-2497 EA Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray.....	84.24	16.06
26 05 36 00-2498 EA Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray.....	67.28	14.66
26 05 36 00-2499 EA Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray.....	83.06	15.29
26 05 36 00-2500 EA Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray.....	94.55	16.06
26 05 36 00-2501 EA Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray.....	109.45	16.83
26 05 36 00-2502 Horizontal Dividers (26 05 36 00-2458)		
26 05 36 00-2503 EA 3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	35.81	9.61
26 05 36 00-2504 EA 4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	39.25	10.52
26 05 36 00-2505 EA 6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	48.12	11.64
26 05 36 00-2506 Wall Brackets (26 05 36 00-0001)		
26 05 36 00-2507 Wall Brackets (26 05 36 00-2506)		
26 05 36 00-2508 EA 6" Wide Tray Wall Bracket	39.24	14.03
26 05 36 00-2509 EA 9" Wide Tray Wall Bracket	40.74	14.66
26 05 36 00-2510 EA 12" Wide Tray Wall Bracket	44.14	15.29
26 05 36 00-2511 EA 18" Wide Tray Wall Bracket	46.68	16.06
26 05 36 00-2512 EA 24" Wide Tray Wall Bracket	50.28	16.83
26 05 36 00-2513 EA 30" Wide Tray Wall Bracket	58.11	17.75
26 05 36 00-2514 EA 36" Wide Tray Wall Bracket	67.85	18.94
26 05 39 Underfloor Raceways for Electrical Systems (26 05)		
26 05 39 00-0001 Underfloor Ducts (26 05 39)		
26 05 39 00-0002 Straight Duct Sections 10' Long, 14 Gauge Steel (26 05 39 00-0001)		
26 05 39 00-0003 Standard Ducts, 3.8 Square Inches (26 05 39 00-0002)		
26 05 39 00-0004 EA Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches.....	61.34	12.34
26 05 39 00-0005 EA Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches.....	77.31	14.45
26 05 39 00-0006 Large Capacity Ducts, 8.9 Square Inches (26 05 39 00-0002)		
26 05 39 00-0007 EA Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches	102.59	15.64

26 Electrical**26 05 Common Work Results For Electrical****26 05 39 Underfloor Raceways for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 39 00-0008	EA	Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches.....	117.56		17.33
26 05 39 00-0009		Junction Boxes (26 05 39 00-0001)			
26 05 39 00-0010		One Level Junction Boxes (26 05 39 00-0009)			
26 05 39 00-0011	EA	1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box.....	156.33		24.55
26 05 39 00-0012	EA	1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box.....	177.10		26.31
26 05 39 00-0013	EA	1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box..... Note: Isolate each duct and form a continuous raceway through the box in both directions.	286.27		24.55
26 05 39 00-0014	EA	1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box.....	194.05		26.31
26 05 39 00-0015	EA	1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box.....	308.55		34.58
26 05 39 00-0016	EA	1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct.....	433.80		37.60
26 05 39 00-0017		Two Level Junction Boxes (26 05 39 00-0009)			
26 05 39 00-0018	EA	2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level..... Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.	663.47		24.84
26 05 39 00-0019	EA	2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts.....	763.55		26.31
26 05 39 00-0020		Elbow Fittings (26 05 39 00-0001)			
26 05 39 00-0021		90 Degree Horizontal Elbow (26 05 39 00-0020)			
26 05 39 00-0022	EA	Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree.....	76.58		9.04
26 05 39 00-0023	EA	Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree.....	78.90		9.04
26 05 39 00-0024		90 Degree Vertical Elbow (26 05 39 00-0020)			
26 05 39 00-0025	EA	Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree.....	42.68		9.04
26 05 39 00-0026	EA	Underfloor Large Duct Vertical Elbow Fitting, 90 Degree.....	43.61		9.04
26 05 39 00-0027		Offset Elbow (26 05 39 00-0020)			
		Note: Two elbows required for crossover or crossunder.			
26 05 39 00-0028	EA	Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under.....	42.68		10.52
26 05 39 00-0029	EA	Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under.....	43.61		10.52
26 05 39 00-0030		Couplings (26 05 39 00-0001)			
26 05 39 00-0031		Sleeve Couplings (26 05 39 00-0030)			
26 05 39 00-0032	EA	Underfloor Standard Duct Sleeve Coupling.....	27.30		14.03
26 05 39 00-0033	EA	Underfloor Large Duct Sleeve Coupling.....	42.42		14.03
26 05 39 00-0034		Expansion Couplings (26 05 39 00-0030)			
26 05 39 00-0035	EA	Underfloor Standard Duct Expansion Coupling.....	61.09		14.03
26 05 39 00-0036	EA	Underfloor Large Duct Expansion Coupling.....	62.25		14.80
26 05 39 00-0037		Reducing Couplings (26 05 39 00-0030)			
26 05 39 00-0038	EA	Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling.....	59.79		2.11
26 05 39 00-0039		Duct Supports (26 05 39 00-0001)			
26 05 39 00-0040		Combination Support And Coupling (26 05 39 00-0039)			
		Note: Includes leveling legs and anchoring feet.			
26 05 39 00-0041	EA	1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet.....	62.58		29.46
26 05 39 00-0042	EA	2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet.....	69.75		29.46
26 05 39 00-0043	EA	3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet.....	76.98		29.46
26 05 39 00-0044	EA	1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet.....	69.75		32.97
26 05 39 00-0045	EA	2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet.....	84.37		32.97
26 05 39 00-0046	EA	1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	76.98		35.07
26 05 39 00-0047	EA	2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	76.98		35.07
26 05 39 00-0048	EA	1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	84.37		35.07
26 05 39 00-0049		Duct Support Only (26 05 39 00-0039)			
		Note: Includes leveling legs and anchoring feet.			
26 05 39 00-0050	EA	1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet.....	56.43		25.96
26 05 39 00-0051	EA	2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet.....	66.40		25.96
26 05 39 00-0052	EA	3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet.....	77.13		25.96
26 05 39 00-0053		Underfloor Duct Accessories (26 05 39 00-0001)			
26 05 39 00-0054		Plugs For Unused Junction Box Openings And Duct Ends (26 05 39 00-0053)			
26 05 39 00-0055	EA	Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends.....	5.55		2.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0056 EA Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends	5.91	2.11
26 05 39 00-0057 Conduit Adapters <small>(26 05 39 00-0053)</small>		
26 05 39 00-0058 EA One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	22.80	3.51
26 05 39 00-0059 EA Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	24.22	3.51
26 05 39 00-0060 EA One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	23.52	3.51
26 05 39 00-0061 EA Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter	24.26	3.51
26 05 39 00-0062 Holders And Caps <small>(26 05 39 00-0053)</small>		
26 05 39 00-0063 EA Tile Holder, Underfloor Duct Accessories	147.12	29.46
26 05 39 00-0064 EA Terrazzo Holder, Underfloor Duct Accessories	281.41	29.46
26 05 39 00-0065 EA Closing Caps For Inserts, Underfloor Duct Accessories	1.91	0.70
26 05 39 00-0066 Underfloor Dust Pans <small>(26 05 39 00-0001)</small>		
26 05 39 00-0067 EA Underfloor Dust Carpet Pan.....	64.12	3.85
26 05 43 Underground Ducts And Raceways For Electrical Systems <small>(26 05)</small>		
<small>Note: Underground utilities and conduits include warning tape.</small>		
26 05 43 00-0001 Duct Bank <small>(26 05 43)</small>		
<small>Note: Installation of single or multiple configuration underground utility raceways to have 3" concrete leveling base and encased in concrete envelope. Based on 100' run, minimum 30" bury depth. Labor units include material handling, unloading at job site, layout of job, measuring, cutting and fabrication, installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations.</small>		
26 05 43 00-0002 Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank <small>(26 05 43 00-0001)</small>		
<small>Note: Includes appropriate spacers and fittings.</small>		
26 05 43 00-0003 LF 2 At 2", Rigid Galvanized Conduit Duct Bank	17.24	
26 05 43 00-0004 LF 4 At 2", Rigid Galvanized Conduit Duct Bank	34.51	
26 05 43 00-0005 LF 2 At 3", Rigid Galvanized Conduit Duct Bank	35.24	
26 05 43 00-0006 LF 4 At 3", Rigid Galvanized Conduit Duct Bank	70.67	
26 05 43 00-0007 LF 2 At 4", Rigid Galvanized Conduit Duct Bank	51.81	
26 05 43 00-0008 LF 4 At 4", Rigid Galvanized Conduit Duct Bank	104.27	
26 05 43 00-0009 LF 6 At 4", Rigid Galvanized Conduit Duct Bank	156.95	
26 05 43 00-0010 Polyvinyl Chloride (PVC), Type EB Duct Bank System <small>(26 05 43 00-0001)</small>		
<small>Note: Includes appropriate spacers and fittings.</small>		
26 05 43 00-0011 LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	4.45	
26 05 43 00-0012 LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	9.80	
26 05 43 00-0013 LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	18.78	
26 05 43 00-0014 LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	5.89	
26 05 43 00-0015 LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	11.75	
26 05 43 00-0016 LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	23.88	
26 05 43 00-0017 LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	7.84	
26 05 43 00-0018 LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	15.69	
26 05 43 00-0019 LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	31.39	
26 05 43 00-0020 LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	47.08	
26 05 43 00-0021 Polyvinyl Chloride (PVC), Type DB Duct Bank System <small>(26 05 43 00-0001)</small>		
<small>Note: Includes appropriate spacers and fittings.</small>		
26 05 43 00-0022 LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	4.94	
26 05 43 00-0023 LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	10.82	
26 05 43 00-0024 LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	20.69	
26 05 43 00-0025 LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	6.10	
26 05 43 00-0026 LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	12.19	
26 05 43 00-0027 LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	24.30	
26 05 43 00-0028 LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	8.01	
26 05 43 00-0029 LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	16.03	
26 05 43 00-0030 LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	32.07	
26 05 43 00-0031 LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	48.09	
26 05 43 00-0032 Male Or Female Adapters <small>(26 05 43 00-0001)</small>		
26 05 43 00-0033 EA 2" Adapter	24.00	
26 05 43 00-0034 EA 3" Adapter	34.33	
26 05 43 00-0035 EA 4" Adapter	44.28	
26 05 53 Identification for Electrical Systems <small>(26 05)</small>		
26 05 53 00-0001 Conduit Markers Pressure-Sensitive <small>(26 05 53)</small>		
<small>Note: Stick-on, includes arrow tape.</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 53 Identification for Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 53 00-0002	EA	1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	8.15	
26 05 53 00-0003	EA	3/4" Outside Diameter Pressure Sensitive Marker Stick-on.....	8.50	
26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on.....	9.21	
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on.....	9.35	
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	9.48	
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on.....	9.70	
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	11.53	
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on.....	11.81	
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	12.02	
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on.....	12.24	
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	12.67	
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on.....	13.14	
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on.....	13.56	
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on.....	13.98	
26 05 53 00-0016	EA	8" Outside Diameter Pressure Sensitive Marker Stick-on.....	15.43	
26 05 53 00-0017	EA	10" Outside Diameter Pressure Sensitive Marker Stick-on.....	16.20	

26 05 53 00-0018 Labeling Electrical Wires (26 05 53)

26 05 53 00-0019	EA	Labeling Wire.....	1.51	
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26 05 83 Wiring Connections (26 05)**26 05 83 00-0001 Tape Wrapped Compression Connectors** (26 05 83)

26 05 83 00-0002	EA	#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	9.96	3.16
26 05 83 00-0003	EA	#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	10.96	3.51
26 05 83 00-0004	EA	#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	11.96	3.86
26 05 83 00-0005	EA	1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	13.95	4.21
26 05 83 00-0006	EA	2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	15.01	4.56
26 05 83 00-0007	EA	3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	16.70	4.91
26 05 83 00-0008	EA	4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	17.91	5.26
26 05 83 00-0009	EA	250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	19.55	5.61
26 05 83 00-0010	EA	300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	21.61	6.32
26 05 83 00-0011	EA	350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	22.65	6.67
26 05 83 00-0012	EA	400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	25.40	7.02
26 05 83 00-0013	EA	500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	27.78	7.37
26 05 83 00-0014	EA	750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	31.13	8.07
26 05 83 00-0015	EA	1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	36.23	9.11

26 05 83 00-0016 One Hole Compression Lugs (26 05 83)

26 05 83 00-0017	EA	#22-18 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	12.35	9.11
26 05 83 00-0018	EA	#16-14 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	12.47	9.11
26 05 83 00-0019	EA	#12-10 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	14.12	9.82
26 05 83 00-0020	EA	#8 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	17.75	10.87
26 05 83 00-0021	EA	#6 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	24.79	14.03
26 05 83 00-0022	EA	#4 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	28.84	14.03
26 05 83 00-0023	EA	#2 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	33.20	14.03
26 05 83 00-0024	EA	1/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	40.72	21.05
26 05 83 00-0025	EA	2/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	47.57	21.05
26 05 83 00-0026	EA	3/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	55.61	21.05
26 05 83 00-0027	EA	4/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	66.97	28.05
26 05 83 00-0028	EA	250 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	79.40	42.09
26 05 83 00-0029	EA	300 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	90.86	42.09
26 05 83 00-0030	EA	350 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	97.59	42.09
26 05 83 00-0031	EA	400 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	106.45	49.10
26 05 83 00-0032	EA	500 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	116.45	49.10
26 05 83 00-0033	EA	750 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	126.48	56.12
26 05 83 00-0034	EA	1,000 MCM Compression Lugs, 1 Hole, Low Voltage, To 600 Volts.....	149.55	63.13

26 05 83 00-0035 Tape Wrapped Split Bolt Connectors (26 05 83)

26 05 83 00-0036	EA	#8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	37.43	28.05
26 05 83 00-0037	EA	#6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	41.16	30.16
26 05 83 00-0038	EA	#4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	46.96	31.56
26 05 83 00-0039	EA	#2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	54.75	35.07
26 05 83 00-0040	EA	1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	64.88	38.58
26 05 83 00-0041	EA	2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	73.49	42.09
26 05 83 00-0042	EA	3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	92.14	45.59
26 05 83 00-0043	EA	4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	98.88	49.10
26 05 83 00-0044	EA	250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	104.31	52.61
26 05 83 00-0045	EA	300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	120.12	57.87
26 05 83 00-0046	EA	350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	135.92	84.17
26 05 83 00-0047	EA	400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	149.25	70.15
26 05 83 00-0048	EA	500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	162.60	94.70
26 05 83 00-0049	EA	750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	182.39	98.20
26 05 83 00-0050	EA	1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	208.61	105.22



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0051 Cable Termination Lugs Handwrapped, No Stress Cone <small>(26 05 83)</small>						
	26 05 83 00-0052	EA		#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts 50.75		28.05
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.73	
	26 05 83 00-0053	EA		#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts 59.11		28.05
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.70	
	26 05 83 00-0054	EA		1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts 81.38		42.09
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.38	
	26 05 83 00-0055	EA		4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts 98.35		42.09
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.98	
	26 05 83 00-0056	EA		300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts 118.64		52.61
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.88	
	26 05 83 00-0057	EA		500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts 164.49		70.15
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.84	
26 05 83 00-0058 Parallel Gutter Tap Or Motor Connection <small>(26 05 83)</small>						
	26 05 83 00-0059	EA		#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 25.37		12.69
	26 05 83 00-0060	EA		#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 27.32		12.69
	26 05 83 00-0061	EA		#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 28.71		12.69
	26 05 83 00-0062	EA		#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 33.05		14.59
	26 05 83 00-0063	EA		1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 40.56		18.24
	26 05 83 00-0064	EA		2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 47.41		21.68
	26 05 83 00-0065	EA		3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 55.43		25.40
	26 05 83 00-0066	EA		4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 66.77		30.79
	26 05 83 00-0067	EA		250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 79.16		36.55
	26 05 83 00-0068	EA		300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 90.58		41.74
	26 05 83 00-0069	EA		350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 97.30		44.96
	26 05 83 00-0070	EA		400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 106.11		48.68
	26 05 83 00-0071	EA		500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 116.06		53.17
	26 05 83 00-0072	EA		750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap 116.41		53.17
	26 05 83 00-0073	EA		#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover 25.37		12.69
	26 05 83 00-0074	EA		#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover 27.32		12.69
	26 05 83 00-0075	EA		#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover 28.71		12.69
	26 05 83 00-0076	EA		#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover 33.05		14.59
	26 05 83 00-0077	EA		1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover 40.56		18.24
	26 05 83 00-0078	EA		2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover 47.41		21.68
	26 05 83 00-0079	EA		3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover 55.43		25.40
	26 05 83 00-0080	EA		4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover 66.77		30.79
	26 05 83 00-0081	EA		250 MCM Parallel Gutter Tap, Versitap, Insulating Cover 79.16		36.55
	26 05 83 00-0082	EA		300 MCM Parallel Gutter Tap, Versitap, Insulating Cover 90.58		41.74
	26 05 83 00-0083	EA		350 MCM Parallel Gutter Tap, Versitap, Insulating Cover 97.30		44.96
	26 05 83 00-0084	EA		400 MCM Parallel Gutter Tap, Versitap, Insulating Cover 106.11		48.68
	26 05 83 00-0085	EA		500 MCM Parallel Gutter Tap, Versitap, Insulating Cover 116.06		53.17
	26 05 83 00-0086	EA		750 MCM Parallel Gutter Tap, Versitap, Insulating Cover 116.41		53.17
26 05 83 00-0087 Copper Mechanical Lugs <small>(26 05 83)</small>						
	26 05 83 00-0088	EA		#8 Copper Mechanical Lugs 19.56		8.76
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.26	
	26 05 83 00-0089	EA		#6 Copper Mechanical Lugs 23.49		10.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.35	
	26 05 83 00-0090	EA		#4 Copper Mechanical Lugs 27.15		12.27
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.37	
	26 05 83 00-0091	EA		#2 Copper Mechanical Lugs 35.40		15.64
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.39	
	26 05 83 00-0092	EA		1/0 Copper Mechanical Lugs 47.67		21.05
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.63	
	26 05 83 00-0093	EA		2/0 Copper Mechanical Lugs 56.64		24.41
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.67	
	26 05 83 00-0094	EA		3/0 Copper Mechanical Lugs 66.07		28.05
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.84	
	26 05 83 00-0095	EA		4/0 Copper Mechanical Lugs 75.06		31.49
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.88	
	26 05 83 00-0096	EA		250 MCM Copper Mechanical Lugs 85.66		35.07
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.05	
	26 05 83 00-0097	EA		300 MCM Copper Mechanical Lugs 96.08		38.58
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.16	
	26 05 83 00-0098	EA		350 MCM Copper Mechanical Lugs 106.46		42.09
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.25	
	26 05 83 00-0099	EA		400 MCM Copper Mechanical Lugs 116.78		45.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.34	
	26 05 83 00-0100	EA		500 MCM Copper Mechanical Lugs 127.26		49.10
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.46	
	26 05 83 00-0101	EA		750 MCM Copper Mechanical Lugs 144.32		55.91
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.56	
	26 05 83 00-0102	EA		1,000 MCM Copper Mechanical Lugs 163.32		63.13
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.88	
26 05 83 00-0103 Gel Connectors <small>(26 05 83)</small>						

26 Electrical**26 05 Common Work Results For Electrical****26 05 83 Wiring Connections**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0104 EA 3 Port, #14 to 2/0, Push On Gel Stub Splice Kit.....	34.67	
Note: Kit contains connector, gel filled cap and cap clamp.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.11	
26 05 83 00-0105 EA 4 Port, #14 to 2, Gel Tap Splice Kit.....	33.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.53	
26 05 83 00-0106 Other Connections <small>(26 05 83)</small>		
26 05 83 00-0107 EA #14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	7.13	3.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.92	
26 05 83 00-0108 EA #12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	7.20	3.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.92	
26 05 83 00-0109 EA #10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	7.27	3.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.92	
26 05 83 00-0110 Motor/Equipment Connections And Terminations <small>(26 05 83)</small>		
Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors.		
26 05 83 00-0111 AC Single Phase, 230 Volt <small>(26 05 83 00-0110)</small>		
26 05 83 00-0112 EA <1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	40.77	17.54
26 05 83 00-0113 EA 1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	40.58	17.54
26 05 83 00-0114 EA 3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	47.83	21.05
26 05 83 00-0115 EA 1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	58.77	26.31
26 05 83 00-0116 EA 1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	59.16	26.31
26 05 83 00-0117 EA 2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	59.23	26.31
26 05 83 00-0118 EA 3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	60.50	26.31
26 05 83 00-0119 EA 5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	78.19	35.07
26 05 83 00-0120 EA 7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	79.61	35.07
26 05 83 00-0121 EA 10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	100.31	43.84
26 05 83 00-0122 AC Three Phase, 230 Volt <small>(26 05 83 00-0110)</small>		
26 05 83 00-0123 EA 1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	40.58	17.54
26 05 83 00-0124 EA 3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	47.83	21.05
26 05 83 00-0125 EA 1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	58.77	26.31
26 05 83 00-0126 EA 1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	59.16	26.31
26 05 83 00-0127 EA 2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	59.23	26.31
26 05 83 00-0128 EA 3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	60.50	26.31
26 05 83 00-0129 EA 5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	78.19	35.07
26 05 83 00-0130 EA 7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	79.61	35.07
26 05 83 00-0131 EA 10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	100.31	43.84
26 05 83 00-0132 EA 15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	102.23	43.84
26 05 83 00-0133 EA 20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	127.31	52.61
26 05 83 00-0134 EA 25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	130.22	52.61
26 05 83 00-0135 EA 30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	176.66	70.15
26 05 83 00-0136 EA 40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	221.30	87.68
26 05 83 00-0137 EA 50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	261.97	105.22
26 05 83 00-0138 EA 60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	310.28	122.75
26 05 83 00-0139 EA 75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	356.14	140.29
26 05 83 00-0140 EA 100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	442.79	175.36
26 05 83 00-0141 EA 125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	523.90	208.68
26 05 83 00-0142 EA 150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	618.19	243.40
26 05 83 00-0143 EA 200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	892.18	365.04
26 05 83 00-0144 AC Three Phase, 460 Volt <small>(26 05 83 00-0110)</small>		
26 05 83 00-0145 EA 1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	40.58	17.54
26 05 83 00-0146 EA 3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	47.83	21.05
26 05 83 00-0147 EA 1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	58.77	26.31
26 05 83 00-0148 EA 1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	59.16	26.31
26 05 83 00-0149 EA 2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	59.23	26.31
26 05 83 00-0150 EA 3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	60.50	26.31
26 05 83 00-0151 EA 5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	78.19	35.07
26 05 83 00-0152 EA 7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	79.61	35.07
26 05 83 00-0153 EA 10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	100.31	43.84
26 05 83 00-0154 EA 15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	102.23	43.84
26 05 83 00-0155 EA 20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	127.31	52.61
26 05 83 00-0156 EA 25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	130.22	52.61
26 05 83 00-0157 EA 30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	176.66	70.15
26 05 83 00-0158 EA 40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	221.51	87.82
26 05 83 00-0159 EA 50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	261.97	105.22
26 05 83 00-0160 EA 60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	310.28	122.75
26 05 83 00-0161 EA 75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	356.14	140.29
26 05 83 00-0162 EA 100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	442.79	175.36
26 05 83 00-0163 EA 125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	524.10	208.75
26 05 83 00-0164 EA 150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	618.46	243.54
26 05 83 00-0165 EA 200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	892.79	365.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0166 AC Single Phase, 120 Volt <small>(26 05 83 00-0110)</small>		
26 05 83 00-0167 EA 1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	40.77	17.54
26 05 83 00-0168 Motor Moisture Sensor <small>(26 05 83 00-0110)</small>		
26 05 83 00-0169 EA Motor Moisture Sensor Located In Winding.....	231.21	
 26 09 Instrumentation and Control for Electrical Systems <small>(26)</small>		
Note: Includes testing of new devices and certification.		
26 09 23 Lighting Control Devices <small>(26 09)</small>		
26 09 23 00-0001 Lighting Contactors <small>(26 09 23)</small>		
Note: Up to 600 volt.		
26 09 23 00-0002 Electrically Held, Lighting Contactors <small>(26 09 23 00-0001)</small>		
26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0005 EA 20 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	274.48	56.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	33.67	
26 09 23 00-0006 EA 30 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	338.43	63.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	37.88	
26 09 23 00-0007 EA 60 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	631.00	98.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	58.92	
26 09 23 00-0008 EA 100 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	980.18	133.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	79.97	
26 09 23 00-0009 EA 200 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,028.93	175.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	105.22	
 26 09 23 00-0010 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0011 EA 20 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	309.94	63.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	37.88	
26 09 23 00-0012 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	371.18	70.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	42.09	
26 09 23 00-0013 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	684.02	112.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	67.34	
26 09 23 00-0014 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,059.05	147.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	88.38	
26 09 23 00-0015 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,178.56	192.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	115.74	
 26 09 23 00-0016 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0017 EA 20 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	364.40	70.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	42.09	
26 09 23 00-0018 EA 30 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	436.47	77.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	46.30	
26 09 23 00-0019 EA 60 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	826.19	126.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	75.76	
26 09 23 00-0020 EA 100 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,264.96	161.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	96.80	
26 09 23 00-0021 EA 200 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,776.60	210.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	126.26	
 26 09 23 00-0022 NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0023 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0022)</small>		
26 09 23 00-0024 EA 20 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	446.95	56.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	33.67	
26 09 23 00-0025 EA 30 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	567.09	63.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	37.88	
26 09 23 00-0026 EA 60 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,086.99	98.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	58.92	
26 09 23 00-0027 EA 100 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,627.83	133.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	79.97	
26 09 23 00-0028 EA 200 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,134.36	175.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	105.22	
 26 09 23 00-0029 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0022)</small>		
26 09 23 00-0030 EA 20 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	464.38	63.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	37.88	
26 09 23 00-0031 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	599.85	70.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	42.09	
26 09 23 00-0032 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,141.34	112.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	67.34	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0033 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,706.26	147.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.38	
26 09 23 00-0034 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,283.54	192.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.74	
26 09 23 00-0035 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		
26 09 23 00-0036 EA 20 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	502.28	70.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.09	
26 09 23 00-0037 EA 30 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	665.14	77.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.30	
26 09 23 00-0038 EA 60 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,461.37	126.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.76	
26 09 23 00-0039 EA 100 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	2,090.02	161.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.80	
26 09 23 00-0040 EA 200 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	4,371.89	210.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.26	
26 09 23 00-0041 Mechanically Held, Lighting Contactors (26 09 23 00-0001)		
26 09 23 00-0042 NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0041)		
26 09 23 00-0043 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0044 EA 20 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	400.18	56.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.67	
26 09 23 00-0045 EA 30 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	455.21	63.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.88	
26 09 23 00-0046 EA 60 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	858.33	98.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.92	
26 09 23 00-0047 EA 100 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	1,195.47	133.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.97	
26 09 23 00-0048 EA 200 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	2,727.85	175.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.22	
26 09 23 00-0049 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0050 EA 20 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	428.33	63.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.88	
26 09 23 00-0051 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	488.86	70.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.09	
26 09 23 00-0052 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	912.68	112.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.34	
26 09 23 00-0053 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	1,274.79	147.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.38	
26 09 23 00-0054 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	3,066.91	192.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.74	
26 09 23 00-0055 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0056 EA 20 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	462.82	70.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.09	
26 09 23 00-0057 EA 30 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	521.61	77.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.30	
26 09 23 00-0058 EA 60 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	1,066.89	126.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.76	
26 09 23 00-0059 EA 100 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	1,493.62	161.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.80	
26 09 23 00-0060 EA 200 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	3,698.38	210.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.26	
26 09 23 00-0061 NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0041)		
26 09 23 00-0062 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)		
26 09 23 00-0063 EA 20 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor.....	594.57	56.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.67	
26 09 23 00-0064 EA 30 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor.....	683.88	63.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.88	
26 09 23 00-0065 EA 60 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor.....	1,315.66	98.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.92	
26 09 23 00-0066 EA 100 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor.....	1,843.13	133.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.97	
26 09 23 00-0067 EA 200 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor.....	3,832.39	175.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.22	
26 09 23 00-0068 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)		
26 09 23 00-0069 EA 20 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor.....	629.05	63.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0070 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	717.52 42.09	70.15
26 09 23 00-0071 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,370.01 67.34	112.24
26 09 23 00-0072 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,922.89 88.38	147.31
26 09 23 00-0073 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,172.34 115.74	192.90
26 09 23 00-0074 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0061)</small>		
26 09 23 00-0075 EA 20 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	665.98 42.09	70.15
26 09 23 00-0076 EA 30 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	750.27 46.30	77.16
26 09 23 00-0077 EA 60 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,702.07 75.76	126.26
26 09 23 00-0078 EA 100 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,318.68 96.80	161.34
26 09 23 00-0079 EA 200 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,261.14 126.26	210.44
26 09 23 00-0080 Combination Lighting Contactors <small>(26 09 23)</small> Note: Up to 600 volt.		
26 09 23 00-0081 Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0080)</small>		
26 09 23 00-0082 NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0081)</small>		
26 09 23 00-0083 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0082)</small>		
26 09 23 00-0084 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	766.10 46.30	77.16
26 09 23 00-0085 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,201.68 74.07	123.46
26 09 23 00-0086 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,932.75 97.22	162.04
26 09 23 00-0087 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,511.34 127.31	212.19
26 09 23 00-0088 NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0081)</small>		
26 09 23 00-0089 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0088)</small>		
26 09 23 00-0090 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,375.20 46.30	77.16
26 09 23 00-0091 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,140.41 74.07	123.46
26 09 23 00-0092 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,570.84 97.22	162.04
26 09 23 00-0093 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,606.75 127.31	212.19
26 09 23 00-0094 Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0080)</small>		
26 09 23 00-0095 NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0094)</small>		
26 09 23 00-0096 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0095)</small>		
26 09 23 00-0097 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	835.63 46.30	77.16
26 09 23 00-0098 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,442.38 74.07	123.46
26 09 23 00-0099 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,160.74 97.22	162.04
26 09 23 00-0100 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,159.22 127.31	212.19

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0101 NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors ^(26 09 23 00-0094)		
26 09 23 00-0102 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors ^(26 09 23 00-0101)		
26 09 23 00-0103 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch 1,445.40	77.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.30	
26 09 23 00-0104 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch 2,382.44	123.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	74.07	
26 09 23 00-0105 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch 3,799.50	162.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	97.22	
26 09 23 00-0106 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch 6,254.63	212.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	127.31	
26 09 23 00-0107 Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket ^(26 09 23)		
26 09 23 00-0108 EA Photo-Cell, 105-130 Volt Relay, Lighting Arrester, Receptacle And Bracket 87.92	18.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.96	
26 09 23 00-0109 EA Photo-Cell, 105-285 Volt Relay, Lighting Arrester, Receptacle And Bracket 96.43	18.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.96	
26 09 23 00-0110 Dimming Module System (Lutron Grafik Eye) ^(26 09 23)		
26 09 23 00-0111 EA 2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2) 893.35	70.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.09	
26 09 23 00-0112 EA 4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4) 1,149.11	70.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.09	
26 09 23 00-0113 EA 6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6) 1,409.43	70.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.09	
26 09 23 00-0114 Light Control Panels ^(26 09 23)		
26 09 23 00-0115 Lighting Control Panels (Watt Stopper) ^(26 09 23 00-0114)		
26 09 23 00-0116 Lighting Control Panels (Watt Stopper) ^(26 09 23 00-0115)		
26 09 23 00-0117 EA 4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4) 1,330.90	98.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.04	
26 09 23 00-0118 EA 8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8) 1,241.79	105.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.26	
26 09 23 00-0119 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G) 1,402.96	105.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.26	
26 09 23 00-0120 EA 8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8) 2,124.19	105.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.26	
26 09 23 00-0121 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G) 2,313.41	105.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.26	
26 09 23 00-0122 EA 4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4) 1,485.90	98.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.04	
26 09 23 00-0123 EA 8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8) 1,594.47	105.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.26	
26 09 23 00-0124 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G) 1,783.50	105.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.26	
26 09 23 00-0125 EA 8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8) 2,199.81	105.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.26	
26 09 23 00-0126 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G) 2,389.01	105.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.26	
26 09 23 00-0127 Accessories For Lighting Control Panels (Watt Stopper) ^(26 09 23 00-0115)		
26 09 23 00-0128 EA Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2) 124.99	17.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.54	
26 09 23 00-0129 EA Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W) 95.93	14.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.43	
26 09 23 00-0130 EA Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2) 47.31	14.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.43	
26 09 23 00-0131 Lighting Control Panels (Synergy) ^(26 09 23 00-0114)		
26 09 23 00-0132 Lighting Control Panels (Synergy) ^(26 09 23 00-0131)		
26 09 23 00-0133 EA 8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S) 1,416.28	105.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.26	
26 09 23 00-0134 Accessories For Lighting Control Panels (Synergy) ^(26 09 23 00-0131)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0135 EA Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL).....	345.29	17.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.54	
26 09 23 00-0136 EA Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20).....	133.79	7.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
26 09 23 00-0137 EA Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT).....	77.44	10.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.33	
26 09 23 00-0138 Lighting Switching Panels (Lutron) (26 09 23 00-0114)		
26 09 23 00-0139 Lighting Switching Panels (Lutron) (26 09 23 00-0138)		
26 09 23 00-0140 EA 8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT).....	1,157.42	105.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.26	
26 09 23 00-0141 EA 12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT).....	1,578.84	112.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.47	
26 09 23 00-0142 EA 16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT).....	2,060.50	119.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.69	
26 09 23 00-0143 Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) (26 09 23 00-0114)		
26 09 23 00-0144 EA 6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z).....	774.29	98.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.04	
26 09 23 00-0145 EA 12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z).....	879.29	98.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.04	
26 09 23 00-0146 EA 18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z).....	984.29	98.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.04	
26 09 23 00-0147 Power Filters (26 09 23 00-0114)		
26 09 23 00-0148 EA 600 Amp 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17".....	26,661.85	584.53
26 09 23 00-0149 EA 200 Amp 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17".....	15,803.96	254.14
26 09 23 00-0150 Signal Filters (26 09 23 00-0114)		
26 09 23 00-0151 EA 0.5 Amp 125 V 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case.....	12,109.67	531.43
26 09 23 00-0152 EA 0.5 Amp 125 V 200 Conductor Signal Filter With 29" X 40" X 11" Case.....	8,297.33	324.77
26 09 23 00-0153 EA 0.5 Amp 125 V 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case.....	4,625.92	188.55
26 09 23 00-0154 EA 5 Amp 24 V DC 5 V 2 - 1 Pair Conductor Signal Filter With Case.....	6,325.44	188.55
26 09 23 00-0155 Radio Controlled Devices (Lutron) (26 09 23)		
26 09 23 00-0156 Tabletop Transmitters For Radio Controlled Devices (26 09 23 00-0155)		
26 09 23 00-0157 Switched Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0156)		
26 09 23 00-0158 EA One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH).....	259.63	10.54
26 09 23 00-0159 EA Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH).....	337.08	10.54
26 09 23 00-0160 EA Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH).....	424.22	10.54
26 09 23 00-0161 Dimmable Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0156)		
26 09 23 00-0162 EA One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH).....	259.63	10.54
26 09 23 00-0163 EA Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH).....	308.04	10.54
26 09 23 00-0164 EA Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH).....	424.22	10.54
26 09 23 00-0165 EA One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH).....	259.63	10.54
26 09 23 00-0166 EA Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH).....	337.08	10.54
26 09 23 00-0167 EA Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH).....	424.22	10.54
26 09 23 00-0168 Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0156)		
26 09 23 00-0169 EA One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH).....	337.08	10.54
26 09 23 00-0170 EA Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH).....	424.22	10.54
26 09 23 00-0171 EA One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH).....	424.22	10.54
26 09 23 00-0172 Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter (26 09 23 00-0156)		
26 09 23 00-0173 EA One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH).....	259.63	10.54
26 09 23 00-0174 EA Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH).....	337.08	10.54

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0175 EA One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH)	308.04	10.54
26 09 23 00-0176 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH)	375.81	10.54
26 09 23 00-0177 EA One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH)	337.08	10.54
26 09 23 00-0178 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH)	404.86	10.54
26 09 23 00-0179 EA One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH)	337.08	10.54
26 09 23 00-0180 Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter (26 09 23 00-0156)		
26 09 23 00-0181 EA One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH)	259.63	10.54
26 09 23 00-0182 EA Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH)	337.08	10.54
26 09 23 00-0183 EA One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH)	337.08	10.54
26 09 23 00-0184 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH)	424.22	10.54
26 09 23 00-0185 EA One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH)	337.08	10.54
26 09 23 00-0186 EA One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH)	424.22	10.54
26 09 23 00-0187 Output Switch Closure Controls, Tabletop Wireless Transmitter (26 09 23 00-0156)		
26 09 23 00-0188 EA Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH)	259.63	10.54
26 09 23 00-0189 EA Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH)	337.08	10.54
26 09 23 00-0190 EA Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH)	424.22	10.54
26 09 23 00-0191 Accessories For Tabletop Wireless Transmitter (26 09 23 00-0156)		
26 09 23 00-0192 EA Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH)	56.30	10.54
26 09 23 00-0193 Wall Box Transmitters For Radio Controlled Devices (26 09 23 00-0155)		
26 09 23 00-0194 EA On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH)	240.26	10.54
26 09 23 00-0195 EA Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH)	259.63	10.54
26 09 23 00-0196 EA Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH)	259.63	10.54
26 09 23 00-0197 EA Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH)	259.63	10.54
26 09 23 00-0198 EA Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH)	259.63	10.54
26 09 23 00-0199 EA Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH)	259.63	10.54
26 09 23 00-0200 Interfaces For Radio Controlled Devices (26 09 23 00-0155)		
26 09 23 00-0201 EA Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	240.26	10.54
26 09 23 00-0202 EA Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	240.26	10.54
26 09 23 00-0203 EA Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000)	240.26	10.54
26 09 23 00-0204 EA Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8)	486.19	10.54
26 09 23 00-0205 EA RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232)	695.32	10.54
26 09 23 00-0206 EA Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI)	695.32	10.54
26 09 23 00-0207 Fluorescent Controllers For Radio Controlled Devices (26 09 23 00-0155)		
26 09 23 00-0208 EA On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW)	308.04	10.54
26 09 23 00-0209 EA Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F)	346.76	10.54
26 09 23 00-0210 EA Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC)	404.86	10.54
26 09 23 00-0211 AC Motor Group Controllers For Radio Controlled Devices (26 09 23 00-0155)		
26 09 23 00-0212 EA Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC)	453.27	10.54
26 09 23 00-0213 EA Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC)	622.71	10.54
26 09 23 00-0214 Occupancy Sensors (Watt Stopper) (26 09 23)		
Note: Includes testing of new devices and certification.		
26 09 23 00-0215 Occupancy Sensors (26 09 23 00-0214)		
Note: Exclude boxes.		
26 09 23 00-0216 Wall Switch Mounted Occupancy Sensors (26 09 23 00-0215)		
26 09 23 00-0217 Ultrasonic, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0216)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0218 EA Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100).....	93.67	7.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 09 23 00-0219 EA Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200)	111.30	7.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 09 23 00-0220 Passive Infrared, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0216)</small>		
26 09 23 00-0221 EA Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)	76.62	7.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 09 23 00-0222 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS)	71.28	7.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 09 23 00-0223 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)	81.26	7.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 09 23 00-0224 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WI-200).....	98.05	7.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 09 23 00-0225 EA Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200).....	94.74	7.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 09 23 00-0226 EA Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)	93.63	7.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 09 23 00-0227 Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0216)</small>		
26 09 23 00-0228 EA Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100).....	138.15	7.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 09 23 00-0229 EA Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200)	149.31	7.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 09 23 00-0230 Wall Switch Mounted Occupancy Sensor Accessories <small>(26 09 23 00-0216)</small>		
26 09 23 00-0231 EA Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	4.58	1.76
26 09 23 00-0232 EA One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	5.47	1.76
26 09 23 00-0233 EA Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	5.47	1.76
26 09 23 00-0234 Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0215)</small>		
26 09 23 00-0235 Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0234)</small>		
26 09 23 00-0236 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0235)</small>		
26 09 23 00-0237 EA 500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A)	119.89	15.81
26 09 23 00-0238 EA 1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A).....	139.07	15.81
26 09 23 00-0239 EA 2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A).....	158.39	15.81
26 09 23 00-0240 EA 90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H)	156.64	15.81
26 09 23 00-0241 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0235)</small>		
26 09 23 00-0242 EA 600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605)	131.24	15.81
26 09 23 00-0243 EA 1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105)	150.69	15.81
26 09 23 00-0244 EA 2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205)	169.12	15.81
26 09 23 00-0245 EA 90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255).....	172.23	15.81
26 09 23 00-0246 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0235)</small>		
26 09 23 00-0247 EA 600 SF 360 Degree Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-605).....	135.63	15.81
26 09 23 00-0248 EA 1,100 SF 360 Degree Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-1105).....	155.63	15.81
26 09 23 00-0249 EA 2,200 SF 360 Degree Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-2205).....	175.63	15.81
26 09 23 00-0250 EA 90 LF Hallway Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-2255).....	175.63	15.81
26 09 23 00-0251 EA 600 SF 360 Degree Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600)	142.87	15.81
26 09 23 00-0252 EA 1,100 SF 360 Degree Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100)	162.80	15.81
26 09 23 00-0253 EA 2,200 SF 360 Degree Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200)	182.66	15.81
26 09 23 00-0254 EA 90 LF Hallway Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250).....	188.38	15.81
26 09 23 00-0255 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0235)</small>		
26 09 23 00-0256 EA 500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1).....	136.86	15.81
26 09 23 00-0257 EA 1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2).....	160.10	15.81
26 09 23 00-0258 EA 2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3).....	179.56	15.81

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0259 EA 500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1).....	128.30	15.81
26 09 23 00-0260 EA 1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2).....	157.59	15.81
26 09 23 00-0261 EA 2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3).....	167.07	15.81
26 09 23 00-0262 EA 500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1).....	138.07	15.81
26 09 23 00-0263 EA 1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2).....	154.93	15.81
26 09 23 00-0264 EA 2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3).....	175.76	15.81
26 09 23 00-0265 Passive Infrared, Ceiling Mounted Occupancy Sensors (26 09 23 00-0234)		
26 09 23 00-0266 EA 30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR).....	97.51	15.81
26 09 23 00-0267 EA HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24).....	99.77	15.81
26 09 23 00-0268 EA Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205).....	105.14	15.81
26 09 23 00-0269 EA Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355).....	119.53	15.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	9.49	
26 09 23 00-0270 EA Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305).....	121.27	15.81
26 09 23 00-0271 EA Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200).....	128.81	15.81
26 09 23 00-0272 EA Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300).....	140.86	15.81
26 09 23 00-0273 Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0234)		
26 09 23 00-0274 EA 1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355).....	168.95	15.81
26 09 23 00-0275 EA 1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300).....	194.45	15.81
26 09 23 00-0276 EA 1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305).....	163.54	15.81
26 09 23 00-0277 Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0215)		
26 09 23 00-0278 Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0277)		
26 09 23 00-0279 EA 120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3).....	209.73	15.81
26 09 23 00-0280 EA 2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100).....	209.73	15.81
26 09 23 00-0281 Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0277)		
26 09 23 00-0282 EA 2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200).....	194.45	15.81
26 09 23 00-0283 Occupancy Sensor Power Packs (26 09 23 00-0214)		
26 09 23 00-0284 Single Voltage, Occupancy Sensor Power Packs (26 09 23 00-0283)		
26 09 23 00-0285 EA 220 - 240 Volt AC, 20 Amp, Occupancy Sensor Power Pack (Watt Stopper B230E-P).....	63.77	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	8.43	
26 09 23 00-0286 EA 347 Volt AC, 15 Amp, Occupancy Sensor Power Pack (Watt Stopper B347D-P).....	57.29	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	8.43	
26 09 23 00-0287 Auxiliary, Occupancy Sensor Power Packs (26 09 23 00-0283)		
26 09 23 00-0288 EA 120, 277 Or 347 Volt AC, 20 Amp, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P).....	51.95	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	8.43	
26 09 23 00-0289 Universal Voltage, Power Packs For Occupancy Sensors (26 09 23 00-0283)		
26 09 23 00-0290 EA 120/277 Volt AC, 20 Amp, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100).....	71.48	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	8.43	
26 09 23 00-0291 Form C, Occupancy Sensor Power Packs (26 09 23 00-0283)		
26 09 23 00-0292 EA 120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P).....	64.06	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	8.43	
26 09 23 00-0293 EA 277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P).....	64.12	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	8.43	
26 09 23 00-0294 Two Relay, Occupancy Sensor Power Packs (26 09 23 00-0283)		
26 09 23 00-0295 EA 120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P).....	82.83	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	8.43	
26 09 23 00-0296 EA 277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P).....	84.12	14.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	8.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0297 Occupancy Sensor Power Supplies <small>(26 09 23 00-0283)</small>		
26 09 23 00-0298 EA 120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-120) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.98 8.43	14.05
26 09 23 00-0299 EA 277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	177.75 8.43	14.05
26 09 23 00-0300 Intelligent, Occupancy Sensor Power Packs <small>(26 09 23 00-0283)</small>		
26 09 23 00-0301 EA 120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100)	237.95	14.05
26 09 23 00-0302 DIN Rail Mounted, Occupancy Sensor Power Packs <small>(26 09 23 00-0283)</small>		
26 09 23 00-0303 EA 120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100)	70.75	14.05
26 09 23 00-0304 Occupancy Sensor Accessories <small>(26 09 23 00-0214)</small>		
26 09 23 00-0305 Protective Cages For Occupancy Sensors <small>(26 09 23 00-0304)</small>		
26 09 23 00-0306 EA Protective Cage For Occupancy Sensors (Watt Stopper WC)	42.34	5.27
26 09 23 00-0307 Mounting Brackets For Occupancy Sensors <small>(26 09 23 00-0304)</small>		
26 09 23 00-0308 EA Mounting Bracket For Occupancy Sensor (Watt Stopper MB) Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	30.27	8.78
26 09 23 00-0309 Occupancy/Lighting Logger <small>(26 09 23 00-0304)</small>		
26 09 23 00-0310 EA Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200)	320.01	29.87
26 09 23 00-0311 Remove And Reinstall Occupancy Sensors <small>(26 09 23 00-0304)</small>		
26 09 23 00-0312 EA Removal And Reinstallation Of Surface Mounted Occupancy Sensor	47.44	
26 09 23 00-0313 EA Removal And Reinstallation Of Wall Switch Mounted Occupancy Sensor	21.09	
26 09 23 00-0314 Digital Time Light Switches <small>(26 09 23 00-0214)</small>		
26 09 23 00-0315 EA Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400)	68.75	7.03
26 09 23 00-0316 Occupancy Sensors (Sensor Switch) <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
26 09 23 00-0317 Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0316)</small>		
Note: Exclude boxes		
26 09 23 00-0318 Wall Switch Mount Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0317)</small>		
26 09 23 00-0319 Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0318)</small>		
26 09 23 00-0320 EA Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV)	96.55	7.03
<i>For Low Temp/High Humidity Option, Add</i>		
<i>For Low Voltage Relay Option, Add</i>		
26 09 23 00-0321 EA Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL)	69.05	7.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0322 EA Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)	66.03	7.03
<i>For Low Temp/High Humidity Option, Add</i>		
<i>For Photocell (Inhibit Mode Only) Option, Add</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0323 EA Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA)	66.03	7.03
<i>For Low Temp/High Humidity Option, Add</i>		
<i>For Photocell (Inhibit Mode Only) Option, Add</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0324 EA 2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)	82.80	7.03
<i>For Low Temp/High Humidity Option, Add</i>		
<i>For Photocell (Inhibit Mode Only) Option, Add</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0325 EA Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS)	82.80	7.03
<i>For Low Temp/High Humidity Option, Add</i>		
<i>For Photocell (Inhibit Mode Only) Option, Add</i>		
26 09 23 00-0326 EA 2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P)	99.99	7.03
<i>For Low Temp/High Humidity Option, Add</i>		
<i>For Photocell (Inhibit Mode Only) Option, Add</i>		
26 09 23 00-0327 EA Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD)	82.80	7.03
<i>For Low Temp/High Humidity Option, Add</i>		
<i>For Photocell (Inhibit Mode Only) Option, Add</i>		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0328 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0318)</small> Note: Includes passive infrared and microphonics detection		
26 09 23 00-0329 EA Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV).....	124.05	7.03
For Low Temp/High Humidity Option, Add	6.25	
For Low Voltage Relay Option, Add	7.50	
26 09 23 00-0330 EA Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL).....	96.55	7.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
26 09 23 00-0331 EA Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT).....	94.49	7.03
For Low Temp/High Humidity Option, Add	6.25	
For Photocell (Inhibit Mode Only) Option, Add	7.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
26 09 23 00-0332 EA Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA).....	94.49	7.03
For Low Temp/High Humidity Option, Add	6.25	
For Photocell (Inhibit Mode Only) Option, Add	7.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
26 09 23 00-0333 EA 2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P).....	110.30	7.03
For Low Temp/High Humidity Option, Add	6.25	
For Photocell (Inhibit Mode Only) Option, Add	7.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
26 09 23 00-0334 EA Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT).....	110.30	7.03
For Low Temp/High Humidity Option, Add	6.25	
For Photocell (Inhibit Mode Only) Option, Add	7.50	
26 09 23 00-0335 EA 2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P).....	118.55	7.03
For Low Temp/High Humidity Option, Add	6.25	
For Photocell (Inhibit Mode Only) Option, Add	7.50	
26 09 23 00-0336 Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch) <small>(26 09 23 00-0318)</small>		
26 09 23 00-0337 EA One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX).....	9.02	1.76
26 09 23 00-0338 EA One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX).....	9.02	1.76
26 09 23 00-0339 EA Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3).....	17.27	1.76
26 09 23 00-0340 EA Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3).....	17.27	1.76
26 09 23 00-0341 360 Degree View Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0317)</small>		
26 09 23 00-0342 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0341)</small> Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0343 EA Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9).....	114.13	15.81
For Low Temp/High Humidity Option, Add	6.25	
For Low Voltage Relay Option, Add	7.50	
For Photocell (Inhibit Mode Only) Option, Add	7.50	
For Occupancy Controlled Dimming Option, Add	12.50	
For Photocell Option With Dimming Capability, Add	18.75	
26 09 23 00-0344 EA Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9).....	114.13	15.81
For Low Temp/High Humidity Option, Add	6.25	
For Low Voltage Relay Option, Add	7.50	
For Photocell (Inhibit Mode Only) Option, Add	7.50	
For Occupancy Controlled Dimming Option, Add	12.50	
For Photocell Option With Dimming Capability, Add	18.75	
26 09 23 00-0345 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9).....	114.13	15.81
For Low Temp/High Humidity Option, Add	6.25	
For Low Voltage Relay Option, Add	7.50	
For Photocell (Inhibit Mode Only) Option, Add	7.50	
For Occupancy Controlled Dimming Option, Add	12.50	
For Photocell Option With Dimming Capability, Add	18.75	
26 09 23 00-0346 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9).....	121.01	15.81
For Low Temp/High Humidity Option, Add	6.25	
For Photocell (Inhibit Mode Only) Option, Add	7.50	
For Occupancy Controlled Dimming Option, Add	12.50	
For Photocell Option With Dimming Capability, Add	18.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.49	
26 09 23 00-0347 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9).....	121.01	15.81
For Low Temp/High Humidity Option, Add	6.25	
For Photocell (Inhibit Mode Only) Option, Add	7.50	
For Occupancy Controlled Dimming Option, Add	12.50	
For Photocell Option With Dimming Capability, Add	18.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.49	
26 09 23 00-0348 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9).....	99.01	15.81
For Low Temp/High Humidity Option, Add	6.25	
For Photocell (Inhibit Mode Only) Option, Add	7.50	
For Occupancy Controlled Dimming Option, Add	12.50	
For Photocell Option With Dimming Capability, Add	18.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0349 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P).....	148.51	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0350 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P).....	148.51	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0351 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P).....	126.51	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0352 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10).....	114.13	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0353 EA Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10).....	114.13	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0354 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10).....	114.13	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0355 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10).....	121.01	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0356 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10).....	121.01	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0357 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10).....	99.01	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0358 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P).....	148.51	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0359 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P).....	148.51	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0360 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P).....	126.51	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	

26 09 23 00-0361 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch)^(26 09 23 00-0341)
 Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0362	EA		Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9)	141.63	15.81
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0363	EA		Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9)	141.63	15.81
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0364	EA		Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9)	141.63	15.81
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0365	EA		Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9)	134.75	15.81
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0366	EA		Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9)	134.75	15.81
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0367	EA		Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9)	112.75	15.81
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0368	EA		2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P)	162.25	15.81
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Photozell Option With Dual Zone On/Off, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0369	EA		2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P)	162.25	15.81
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Photozell Option With Dual Zone On/Off, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0370	EA		2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P)	140.25	15.81
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Photozell Option With Dual Zone On/Off, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0371	EA		Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10)	141.63	15.81
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0372	EA		Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10)	141.63	15.81
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0373	EA		Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10)	141.63	15.81
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0374 EA Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10).....	134.75	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0375 EA Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10).....	134.75	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0376 EA Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10).....	112.75	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0377 EA 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P).....	162.25	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0378 EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P).....	162.25	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0379 EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P).....	140.25	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0380 Wide View And Hallway Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0317)</small>		
26 09 23 00-0381 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0380)</small>		
26 09 23 00-0382 EA Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16).....	114.13	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Ceiling Mount, Add</i>	12.50	
26 09 23 00-0383 EA Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13).....	127.88	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Ceiling Mount, Add</i>	12.50	
26 09 23 00-0384 EA Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13).....	155.38	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Ceiling Mount, Add</i>	12.50	
26 09 23 00-0385 EA Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16).....	148.51	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Ceiling Mount, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0386 EA 2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P).....	176.01	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Ceiling Mount, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0387 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0380)</small>		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0388 EA Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16).....	141.63	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Ceiling Mount, Add</i>	12.50	
26 09 23 00-0389 EA Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16).....	162.25	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Ceiling Mount, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0390 EA 2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P)	189.75	15.81
For Low Temp/High Humidity Option, Add	6.25	
For Photozell (Inhibit Mode Only) Option, Add	7.50	
For Ceiling Mount, Add	12.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.49	
26 09 23 00-0391 High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0317)		
26 09 23 00-0392 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0391)		
26 09 23 00-0393 EA Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6)	114.13	15.81
For Low Temp/High Humidity Option, Add	6.25	
For Low Voltage Relay Option, Add	7.50	
For Photozell Option, Add	12.50	
For Occupancy Controlled Dimming Option, Add	12.50	
26 09 23 00-0394 EA Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6)	114.13	15.81
For Low Temp/High Humidity Option, Add	6.25	
For Low Voltage Relay Option, Add	7.50	
For Photozell Option, Add	12.50	
For Occupancy Controlled Dimming Option, Add	12.50	
26 09 23 00-0395 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6)	114.13	15.81
For Low Temp/High Humidity Option, Add	6.25	
For Low Voltage Relay Option, Add	7.50	
For Photozell Option, Add	12.50	
For Occupancy Controlled Dimming Option, Add	12.50	
26 09 23 00-0396 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6)	99.01	15.81
For Low Temp/High Humidity Option, Add	6.25	
For Start To High, HID Option, Add	7.50	
For Photozell Option, Add	12.50	
For Occupancy Controlled Dimming Option, Add	12.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.49	
26 09 23 00-0397 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6)	99.01	15.81
For Low Temp/High Humidity Option, Add	6.25	
For Start To High, HID Option, Add	7.50	
For Photozell Option, Add	12.50	
For Occupancy Controlled Dimming Option, Add	12.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.49	
26 09 23 00-0398 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6)	99.01	15.81
For Low Temp/High Humidity Option, Add	6.25	
For Start To High, HID Option, Add	7.50	
For Photozell Option, Add	12.50	
For Occupancy Controlled Dimming Option, Add	12.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.49	
26 09 23 00-0399 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P)	126.51	15.81
For Low Temp/High Humidity Option, Add	6.25	
For Photozell Option, Add	12.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.49	
26 09 23 00-0400 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P)	126.51	15.81
For Low Temp/High Humidity Option, Add	6.25	
For Photozell Option, Add	12.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.49	
26 09 23 00-0401 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P)	126.51	15.81
For Low Temp/High Humidity Option, Add	6.25	
For Photozell Option, Add	12.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.49	
26 09 23 00-0402 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208)	108.63	15.81
For Low Temp/High Humidity Option, Add	6.25	
For Photozell Option, Add	12.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.49	
26 09 23 00-0403 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208)	108.63	15.81
For Low Temp/High Humidity Option, Add	6.25	
For Photozell Option, Add	12.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.49	
26 09 23 00-0404 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208)	108.63	15.81
For Low Temp/High Humidity Option, Add	6.25	
For Photozell Option, Add	12.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.49	
26 09 23 00-0405 EA 480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480)	108.63	15.81
For Low Temp/High Humidity Option, Add	6.25	
For Photozell Option, Add	12.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0406 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480).....	108.63	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0407 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480).....	108.63	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0408 EA Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50).....	127.88	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
26 09 23 00-0409 EA Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50).....	127.88	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
26 09 23 00-0410 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50).....	127.88	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell Option, Add</i>	12.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
26 09 23 00-0411 EA Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50).....	154.01	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Start To High, HID Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0412 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50).....	154.01	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Start To High, HID Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0413 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50).....	154.01	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Start To High, HID Option, Add</i>	7.50	
<i>For Photocell Option, Add</i>	12.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0414 EA 2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P).....	136.13	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0415 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P).....	136.13	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0416 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208).....	115.51	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0417 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208).....	115.51	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0418 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480).....	115.51	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0419 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480).....	115.51	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0420 EA Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10).....	127.88	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
26 09 23 00-0421 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10).....	127.88	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0422	EA		Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10)	154.01	15.81
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Start To High, HID Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0423	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10)	154.01	15.81
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Start To High, HID Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0424	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P)	148.51	15.81
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0425	EA		480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480)	134.75	15.81
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0426	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208)	134.75	15.81
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0427			Occupancy Sensor Power Packs (Sensor Switch) <small>(26 09 23 00-0316)</small>		
26 09 23 00-0428	EA		Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20)	66.61	14.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.43	
26 09 23 00-0429	EA		2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P)	94.11	14.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.43	
26 09 23 00-0430	EA		Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20)	52.86	14.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.43	
26 09 23 00-0431	EA		2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20)	48.73	14.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.43	
26 09 23 00-0432	EA		20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20)	62.49	14.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.43	
26 09 23 00-0433	EA		120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH)	96.86	14.05
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.43	
26 09 23 00-0434	EA		120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR)	96.86	14.05
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.43	
26 09 23 00-0435	EA		120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM)	96.86	14.05
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.43	
26 09 23 00-0436			Occupancy Sensor Accessories (Sensor Switch) <small>(26 09 23 00-0316)</small>		
26 09 23 00-0437			Remove And Reinstall Occupancy Sensors <small>(26 09 23 00-0436)</small>		
26 09 23 00-0438	EA		Removal And Reinstallation Of Wall Switch Mounted Occupancy Sensor	21.09	
			Note: Includes storing and cleaning.		
26 09 23 00-0439	EA		Removal And Reinstallation Of Surface Mounted Occupancy Sensor	47.44	
			Note: Includes storing and cleaning.		
26 09 23 00-0440			Daylighting Control (Sensor Switch) <small>(26 09 23 00-0316)</small>		
26 09 23 00-0441	EA		Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC)	100.38	15.81
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Dual Zone Option, Add</i>	18.75	
26 09 23 00-0442	EA		Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC)	100.38	15.81
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Dual Zone Option, Add</i>	18.75	
26 09 23 00-0443	EA		Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC)	100.38	15.81
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Dual Zone Option, Add</i>	18.75	
26 09 23 00-0444	EA		Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC)	100.38	15.81
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For 480 Volt AC Option, Add</i>	8.75	
			<i>For Dual Zone Option, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0445	EA		Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC)	100.38	15.81
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For 480 Volt AC Option, Add</i>	8.75	
			<i>For Dual Zone Option, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0446 EA Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC)	100.38	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For 480 Volt AC Option, Add</i>	8.75	
<i>For Dual Zone Option, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0447 EA Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC).....	100.38	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Dual Zone Option, Add</i>	18.75	
26 09 23 00-0448 EA Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC).....	100.38	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Dual Zone Option, Add</i>	18.75	
26 09 23 00-0449 EA Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC).....	100.38	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Dual Zone Option, Add</i>	18.75	
26 09 23 00-0450 EA Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC).....	100.38	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Dual Zone Option, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0451 EA Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC).....	100.38	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Dual Zone Option, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0452 EA Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC).....	100.38	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Dual Zone Option, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0453 EA Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC).....	141.63	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Dual Zone Option, Add</i>	18.75	
26 09 23 00-0454 EA Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC).....	141.63	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Dual Zone Option, Add</i>	18.75	
26 09 23 00-0455 EA Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC).....	141.63	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Dual Zone Option, Add</i>	18.75	
26 09 23 00-0456 EA Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC).....	141.63	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Dual Zone Option, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0457 EA Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC).....	141.63	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Dual Zone Option, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0458 EA Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC).....	141.63	15.81
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Dual Zone Option, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 09 23 00-0459 Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
26 09 23 00-0460 Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0459)</small>		
Note: Excludes boxes.		
26 09 23 00-0461 Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0460)</small>		
26 09 23 00-0462 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0461)</small>		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0463 EA Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX).....	171.64	7.03
26 09 23 00-0464 360 Degree View Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0460)</small>		
26 09 23 00-0465 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0464)</small>		
Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0466 EA Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9).....	204.80	15.81
26 09 23 00-0467 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10).....	204.80	15.81
26 09 23 00-0468 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC)	204.80	15.81
26 09 23 00-0469 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0464)</small>		
Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0470 EA Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9).....	239.43	15.81
26 09 23 00-0471 EA Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10).....	239.43	15.81
26 09 23 00-0472 EA 2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P).....	248.08	15.81
26 09 23 00-0473 Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0460)		
26 09 23 00-0474 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0473)		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0475 EA Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16).....	239.43	15.81
26 09 23 00-0476 High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0460)		
26 09 23 00-0477 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0476)		
26 09 23 00-0478 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6).....	204.80	15.81
26 09 23 00-0479 Occupancy Sensor Power Packs (Sensor Switch nLight®) (26 09 23 00-0459)		
26 09 23 00-0480 EA 150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150).....	71.40	14.05
26 09 23 00-0481 EA 250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250).....	88.73	14.05
26 09 23 00-0482 EA 30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO).....	118.16	14.05
26 09 23 00-0483 EA System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16).....	118.16	14.05
26 09 23 00-0484 Occupancy Sensor Accessories (Sensor Switch nLight®) (26 09 23 00-0459)		
26 09 23 00-0485 EA RS232 AV Integrator (Sensor Switch nLight® nIO X).....	248.08	15.81
26 09 23 00-0486 EA 8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT).....	334.69	15.81
26 09 23 00-0487 Daylighting Controls (Sensor Switch nLight®) (26 09 23 00-0459)		
26 09 23 00-0488 EA Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC).....	170.16	15.81
26 09 23 00-0489 Controls (Sensor Switch nLight®) (26 09 23 00-0459)		
26 09 23 00-0490 EA On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX).....	113.02	15.81
26 09 23 00-0491 EA 1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB).....	161.52	15.81
26 09 23 00-0492 EA On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM).....	369.31	15.81
26 09 23 00-0493 EA 3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX).....	369.31	15.81
26 09 23 00-0494 EA 3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2).....	1,373.68	15.81
26 09 23 00-0495 Occupancy Sensors (Lutron) (26 09 23)		
Note: Includes testing of new devices and certification.		
26 09 23 00-0496 Wireless Occupancy Sensors (26 09 23 00-0495)		
26 09 23 00-0497 EA Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH).....	84.33	15.81
26 09 23 00-0498 EA Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH).....	85.17	15.81
26 09 23 00-0499 EA Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH).....	89.85	15.81
26 09 23 00-0500 EA Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH).....	86.22	15.81
26 09 23 00-0501 EA Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH).....	89.85	15.81
26 09 23 00-0502 EA Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH).....	84.33	15.81
26 09 23 00-0503 EA Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH).....	86.22	15.81
26 09 23 00-0504 EA Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V).....	85.17	15.81
26 09 23 00-0505 EA Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH).....	129.27	15.81
26 09 23 00-0506 EA Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH).....	137.67	15.81
26 09 23 00-0507 EA Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH).....	156.57	15.81
26 09 23 00-0508 EA Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH).....	164.97	15.81
26 09 23 00-0509 EA Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH).....	169.17	15.81
26 09 23 00-0510 EA Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH).....	177.57	15.81
26 09 23 00-0511 EA Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH).....	102.81	15.81
26 09 23 00-0512 EA Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH).....	108.27	15.81



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0513	EA			Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH).....	126.12	15.81
26 09 23 00-0514	EA			Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH).....	139.77	15.81
26 09 23 00-0515	EA			Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH).....	150.27	15.81
26 09 23 00-0516	EA			Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH).....	130.32	15.81
26 09 23 00-0517				Nodes And Modules <small>(26 09 23 00-0495)</small>		
26 09 23 00-0518	EA			0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C).....	134.52	15.81
26 09 23 00-0519	EA			0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J).....	134.52	15.81
26 09 23 00-0520	EA			4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C).....	169.17	15.81
26 09 23 00-0521	EA			4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J).....	169.17	15.81
26 09 23 00-0522	EA			120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH).....	215.73	17.57
26 09 23 00-0523	EA			120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH).....	215.73	17.57
26 09 23 00-0524	EA			120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH).....	260.88	17.57
26 09 23 00-0525	EA			120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH).....	267.18	17.57
26 09 23 00-0526	EA			120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH).....	329.13	17.57
26 09 23 00-0527	EA			120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH).....	349.08	17.57
26 09 23 00-0528	EA			120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH).....	369.03	17.57
26 09 23 00-0529	EA			1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2).....	993.35	28.11
26 09 23 00-0530	EA			2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4).....	976.75	31.63
26 09 23 00-0531	EA			3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6).....	1,430.03	35.14
26 09 23 00-0532				Other Accessories <small>(26 09 23 00-0495)</small>		
26 09 23 00-0533	EA			Pico® Wireless Control Wallplate Adapter (Lutron® PJ).....	22.90	
26 09 23 00-0534	EA			Pico® Wireless Control (Lutron® PJ).....	27.20	
26 09 23 00-0535	EA			4-Scene Wireless Remote Control (Lutron® GRX-IT-WH).....	76.30	
26 09 23 00-0536	EA			8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH).....	148.75	
26 09 23 00-0537	EA			4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL).....	163.11	15.81
26 09 23 00-0538	EA			seeTouch® QS Wallstation (Lutron® QSWS2).....	205.67	15.81
26 09 23 00-0539	EA			seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2).....	205.67	15.81
26 09 23 00-0540	EA			120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S).....	335.43	17.57
26 09 23 00-0541	EA			120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S).....	458.28	17.57
26 09 23 00-0542	EA			Control Interface (Lutron® QSE-CI-NWK-E).....	550.32	15.81
26 09 23 00-0543	EA			1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S).....	546.13	15.81
26 09 23 00-0544	EA			2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S).....	729.88	15.81
26 09 23 00-0545	MLF			5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S).....	1,297.03	491.02
26 09 23 00-0546	MLF			5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S).....	1,717.03	491.02
26 09 23 00-0547				Fixture Mounted Occupancy Sensors (Leviton) <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.						
26 09 23 00-0548	EA			120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW).....	80.97	15.81
26 09 23 00-0549	EA			480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-14W).....	71.31	15.81
26 09 23 00-0550	EA			120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW).....	88.95	15.81
26 09 23 00-0551	EA			480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W).....	71.31	15.81
26 09 23 00-0552				Wireless Enabled Communication Devices For Streetlights <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.						
26 09 23 00-0553				Wireless Enabled Communication Devices For Streetlights (Roam®) <small>(26 09 23 00-0552)</small>		
26 09 23 00-0554				Wireless Enabled Communication Nodes For Streetlights (Roam®) <small>(26 09 23 00-0553)</small>		
Note: 2.4GHz wireless enabled communication node for wireless remote on/off, group scheduling, photocontrol and diagnostics.						
26 09 23 00-0555	EA			120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1).....	175.74	
26 09 23 00-0556	EA			480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1).....	245.00	
26 09 23 00-0557				Wireless Enabled Communication Devices For Streetlights (Roam®) <small>(26 09 23 00-0553)</small>		
26 09 23 00-0558	EA			Retrofit Receptacle Kit (Roam® DUR103).....	32.02	
Note: For adapting light fixtures for use with a NEMA locking type photocontrol.						
26 09 23 00-0559	EA			Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127).....	7,006.23	39.75
26 09 23 00-0560				Consoles <small>(26 09 23)</small>		
26 09 23 00-0561	EA			20" x 24" Type 12, Oil Tight Consolets, Counter Mounted (Schaefer's SPCL-20C24).....	360.42	87.68

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0562 Lighting Controls (Daintree Networks) <small>(26 09 23)</small> Note: Includes testing of new devices and certification.		
26 09 23 00-0563 Wireless Sensors <small>(26 09 23 00-0562)</small>		
26 09 23 00-0564 EA Battery Powered, Passive Infrared, Ceiling Mount, 500 SF Coverage, 360 Degree View, Wireless Occupancy Sensor (Daintree Networks WOS2-CM-S).....	100.90	15.81
26 09 23 00-0565 EA Battery Powered, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View, Wireless Occupancy Sensor (Daintree Networks WOS2-CM-E).....	100.90	15.81
26 09 23 00-0566 EA Battery Powered, Passive Infrared, Wall Mount, Long-Range Lens, Wireless Occupancy Sensor (Daintree Networks WOS2-WM-L)..... Note: 8' to 12' install height.	100.90	15.81
26 09 23 00-0567 EA Battery Powered, Passive Infrared, Wall Mount, Wide-Angle Lens, Wireless Occupancy Sensor (Daintree Networks WOS2-WM-W)..... Note: 8' to 12' install height.	100.90	15.81
26 09 23 00-0568 EA Battery Powered, Wireless Photosensor (Daintree Networks WPS1)..... Note: 8' to 12' install height.	87.04	15.81
26 09 23 00-0569 Wireless Adaptors <small>(26 09 23 00-0562)</small>		
26 09 23 00-0570 EA Line Voltage, Wireless Adapter (Daintree Networks WA100)..... Note: Includes on/off, 0-10V dimming and alternate/bi-level switching. Includes inputs for occupancy controller and photo sensor, and mounting bracket.	118.36	21.09
26 09 23 00-0571 EA Line Voltage, Wireless Adapter With Power Monitoring (Daintree Networks WA100-PM)..... Note: Includes on/off, 0-10V dimming and alternate/bi-level switching. Includes inputs for occupancy controller and photo sensor, power monitoring, and mounting bracket.	132.22	21.09
26 09 23 00-0572 EA Line Voltage, Wireless Fixture Adapter (Daintree Networks WFA100)..... Note: Includes on/off and 0-10V dimming.	93.43	21.09
26 09 23 00-0573 EA Line Voltage, Wireless Fixture Adapter With Sensor Inputs (Daintree Networks WFA100-SN)..... Note: Includes on/off and 0-10V dimming. Includes inputs for occupancy controller and photo sensor.	100.35	21.09
26 09 23 00-0574 EA Line Voltage, Wireless General Purpose Adapter (Daintree Networks WGA100)..... Note: Includes mounting bracket.	146.07	21.09
26 09 23 00-0575 Controllers <small>(26 09 23 00-0562)</small>		
26 09 23 00-0576 EA Site System Controller (Daintree Networks SC51)..... Note: For single facility up to 1,000 wireless nodes. Excludes node licenses. Does not support CS-MFM.	1,441.77	35.14
26 09 23 00-0577 EA Enterprise System Controller (Daintree Networks SC71)..... Note: For single or multiple facilities up to 10,000 wireless nodes. Excludes node licenses. Up to 4,000 zones per facility. Single facility included, additional facilities require purchase of CS-MFM per facility. Includes rack rails.	2,411.51	35.14
26 09 23 00-0578 EA Wireless Area Controller (Daintree Networks WAC50)..... Note: Maximum capacity of 100 wireless nodes. Excludes node licenses.	575.42	
26 09 23 00-0579 EA BACnet Server (Daintree Networks CS-BAC)..... Note: Requires purchase of additional CS-BAC-5 licenses for systems with more than 1,000 nodes.	2,827.11	35.14
26 09 23 00-0580 Other Accessories <small>(26 09 23 00-0562)</small>		
26 09 23 00-0581 EA 10 To 30 Volt AC, Wireless Thermostat (Daintree Networks WTS10).....	236.52	35.14
26 09 23 00-0582 EA Battery Powered, Wireless Wall Dimmer (Daintree Networks WWD1).....	104.51	21.09
26 09 23 00-0583 EA SafePlug Model 1203 Wireless Plug Load Controller, Dual Receptacle (Daintree Networks RSP-1203)..... Note: ControlScope interoperable version is 9916 003 ZB HA or later.	152.58	7.03
26 09 23 00-0584 EA SafePlug 1621 Reset Link Key (Daintree Networks RSP-1621)..... Note: Required to reset a Safeplug 1203 to default settings.	9.70	
26 09 23 00-0585 Software And Support <small>(26 09 23 00-0562)</small>		
26 09 23 00-0586 EA Regular Node License Bundle (25 Regular Wireless Nodes) (Daintree Networks N25)..... Note: Includes 1 year of SUS.	955.89	
26 09 23 00-0587 EA Software Updates and Support - 1 Year Extension (5 Wireless Nodes) (Daintree Networks SUS1-5)..... Note: Node total must match the number of wireless node licenses purchased or installed on the system.	62.34	
26 09 23 00-0588 EA Software Updates and Support - 3 Year Extension (5 Wireless Nodes) (Daintree Networks SUS3-5)..... Note: Node total must match the number of wireless node licenses purchased or installed on the system.	152.39	
26 09 23 00-0589 EA Thermostat Node License Bundle (5 Thermostat Wireless Nodes) (Daintree Networks T5)..... Note: Includes 1 year of SUS.	817.35	
26 09 23 00-0590 EA BACnet Supplemental Node License Bundle (5 Additional Wireless Nodes) (Daintree Networks CS-BAC-5)..... Note: Requires CS-BAC; Supports additional wireless nodes above 1,000. Node total must match the number of wireless node licenses purchased or installed on the system.	13.85	
26 09 23 00-0591 EA Multi-Facility Management (per additional facility) (Daintree Networks CS-MFM)..... Note: Requires SC71.	540.28	
26 09 23 00-0592 HR Engineering Assistance (Daintree Networks EAH1).....	207.80	
26 09 23 00-0593 DAY Engineering Assistance (Daintree Networks EA1).....	1,662.41	
26 09 23 00-0594 EA 2-Year Hardware Warranty Extension (Daintree Networks HWE2-SC51)..... Note: Extends total hardware warranty to 3 years. Can be purchased before expiry of the included 1-year warranty.	443.31	
26 09 23 00-0595 EA 2-Year Hardware Warranty Extension (Daintree Networks HWE2-SC71)..... Note: Extends total hardware warranty to 3 years. Can be purchased before expiry of the included 1-year warranty.	817.35	
26 09 23 00-0596 Emergency Lighting Controls <small>(26 09 23)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0597	Emergency Lighting Control Units (Watt Stopper ELCU) <small>(26 09 23 00-0596)</small>	
	Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.	
26 09 23 00-0598 EA	DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100)	158.00 17.57
26 09 23 00-0599 EA	1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200)	158.00 17.57
26 09 23 00-0600	Emergency Shunt Relays (Lighting Control & Design GR 2001™) <small>(26 09 23 00-0596)</small>	
	Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.	
26 09 23 00-0601 EA	1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	205.63 24.60
26 09 23 00-0602 EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	279.63 28.11
26 09 23 00-0603 EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual)	376.11 31.63
	Note: Controls normal and emergency lighting from single-pole wall switch.	
26 09 23 00-0604	Photocells <small>(26 09 23)</small>	
26 09 23 00-0605 EA	Plug-In Photocell For Lighting Fixtures	52.62
26 09 23 00-0606 EA	Wired Photocell For Lighting Fixtures	123.34
26 09 63	Energy Usage Controls <small>(26 09)</small>	
26 09 63 00-0001	Vending Machine Energy Usage Controls <small>(26 09 63)</small>	
26 09 63 00-0002 EA	Wallmount VendingMiser® With PIR Occupany Sensor (Energy Miser VM150)	218.80 7.03
26 09 63 00-0003 EA	Wallmount VendingMiser® With 14' Data Cable (Energy Miser VM151)	192.78 3.52
26 09 63 00-0004 EA	Weatherproof Wallmount VendingMiser® With PIR Occupany Sensor (Energy Miser VM151)	229.35 7.03
26 09 63 00-0005 EA	Weatherproof Wallmount VendingMiser® With 14' Data Cable (Energy Miser VM161)	203.34 3.52
26 09 63 00-0006 EA	Velcro Mounted Easy-Install VendingMiser® With PIR Occupany Sensor (Energy Miser VM170)	211.77 5.63
26 09 63 00-0007 EA	Velcro Mounted Easy-Install VendingMiser® With 14' Data Cable (Energy Miser VM171)	189.26 2.81
26 09 63 00-0008 EA	Weatherproof Velcro Mounted Easy-Install VendingMiser® With PIR Occupany Sensor (Energy Miser VM180)	222.32 5.63
26 09 63 00-0009 EA	Weatherproof Velcro Mounted Easy-Install VendingMiser® With 14' Data Cable (Energy Miser VM181)	199.82 2.81
26 09 63 00-0010 EA	Wallmount CoolerMiser With PIR Occupany Sensor (Energy Miser CM150)	198.74 7.03
26 09 63 00-0011 EA	Wallmount CoolerMiser With 14' Data Cable (Energy Miser CM151)	172.73 3.52
26 09 63 00-0012 EA	Velcro Mounted Easy-Install CoolerMiser With PIR Occupany Sensor (Energy Miser CM170)	191.71 5.63
26 09 63 00-0013 EA	Velcro Mounted Easy-Install CoolerMiser With 14' Data Cable (Energy Miser CM171)	169.21 2.81
26 09 63 00-0014 EA	Wallmount SnackMiser With PIR Occupany Sensor (Energy Miser SM150)	198.74 7.03
26 09 63 00-0015 EA	Wallmount SnackMiser With 14' Data Cable (Energy Miser SM151)	172.73 3.52
26 09 63 00-0016 EA	Velcro Mounted Easy-Install SnackMiser With PIR Occupany Sensor (Energy Miser SM170)	191.71 5.63
26 09 63 00-0017 EA	Velcro Mounted Easy-Install SnackMiser With 14' Data Cable (Energy Miser SM171)	169.21 2.81
26 09 63 00-0018 EA	1200 Watt, Multi Plug Load, Wallmount PlugMiser With PIR Occupany Sensor (Energy Miser PM150)	198.74 7.03
26 09 63 00-0019 EA	1200 Watt, Multi Plug Load, Wallmount PlugMiser With 14' Data Cable (Energy Miser PM151)	172.73 3.52
26 09 63 00-0020 EA	1200 Watt, Multi Plug Load, Table Leg Mount PlugMiser With PIR Occupany Sensor (Energy Miser PM190)	198.74 7.03
26 09 63 00-0021 EA	Wattsup Line Logger (Energy Miser 60500)	152.98 10.54
26 09 63 00-0022 EA	Wattsup Pro Line Logger (Energy Miser 60501)	189.93 10.54
26 09 63 00-0023 EA	Test Drive Kit And Wallmount VendingMiser® With PIR Occupany Sensor (Energy Miser TD150)	359.49 14.05
26 09 63 00-0024 EA	Test Drive Kit And Velcro Mounted Easy-Install VendingMiser® With PIR Occupany Sensor (Energy Miser TD170)	352.46 12.65
26 09 63 00-0025	Work Station Energy Usage Controls <small>(26 09 63)</small>	
26 09 63 00-0026 EA	Power Strip With Personal Sensor (Wattstopper IDP-3050-A)	93.87 7.03
26 20	Low-Voltage Electrical Distribution <small>(26)</small>	
26 21	Low-Voltage Electrical Service Entrance <small>(26 20)</small>	
	See CSI section 26 05 13 00-0000 for wire and cables.	
26 21 13	Low-Voltage Overhead Electrical Service Entrance <small>(26 21)</small>	
26 21 13 00-0001	Service Drop Cable And Weatherheads <small>(26 21 13)</small>	
26 21 13 00-0002	600 Volt Insulated Stranded Conductors <small>(26 21 13 00-0001)</small>	
26 21 13 00-0003	Weather Proof Conduit Hubs <small>(26 21 13 00-0002)</small>	
26 21 13 00-0004 EA	1/2" Weatherproof Conduit Hubs	32.56 12.34
26 21 13 00-0005 EA	3/4" Weatherproof Conduit Hubs	37.15 14.03
26 21 13 00-0006 EA	1" Weatherproof Conduit Hubs	43.19 15.71
26 21 13 00-0007 EA	1-1/4" Weatherproof Conduit Hubs	60.31 21.05
26 21 13 00-0008 EA	1-1/2" Weatherproof Conduit Hubs	66.34 22.73
26 21 13 00-0009 EA	2" Weatherproof Conduit Hubs	85.92 26.37
26 21 13 00-0010 EA	2-1/2" Weatherproof Conduit Hubs	113.17 29.74
26 21 13 00-0011 EA	3" Weatherproof Conduit Hubs	146.36 35.07
26 21 13 00-0012 EA	4" Weatherproof Conduit Hubs	258.70 70.15

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 21 Low-Voltage Electrical Service Entrance**MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

26 21 13 00-0013 Service Entrance Cap, Threaded Weatherhead, Galvanized ^(26 21 13 00-0002)			
26 21 13 00-0014	EA	1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service.....	38.50 12.34
26 21 13 00-0015	EA	3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service.....	44.29 14.03
26 21 13 00-0016	EA	1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	51.05 15.71
26 21 13 00-0017	EA	1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	68.66 21.05
26 21 13 00-0018	EA	1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	78.69 22.73
26 21 13 00-0019	EA	2" Galvanized Threaded Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service.....	106.79 26.37
26 21 13 00-0020	EA	2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service.....	193.93 29.74
26 21 13 00-0021	EA	3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service.....	219.58 35.07
26 21 13 00-0022	EA	4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service.....	348.86 70.15

26 21 13 00-0023 Service Entrance Cap, Clamp-On Weatherhead, Aluminum ^(26 21 13 00-0002)			
26 21 13 00-0024	EA	1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service.....	36.83 12.34
26 21 13 00-0025	EA	3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service.....	41.48 14.03
26 21 13 00-0026	EA	1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	47.25 15.64
26 21 13 00-0027	EA	1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	62.67 21.05
26 21 13 00-0028	EA	1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	70.59 22.73
26 21 13 00-0029	EA	2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service.....	83.64 26.37
26 21 13 00-0030	EA	2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service.....	150.51 29.74
26 21 13 00-0031	EA	3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service.....	197.73 35.07
26 21 13 00-0032	EA	3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 Thru 500 MCM Cable Service.....	275.24 52.61
26 21 13 00-0033	EA	4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service.....	322.87 70.15

26 21 13 00-0034 Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC) ^(26 21 13 00-0002)			
26 21 13 00-0035	EA	1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service.....	36.12 12.34
26 21 13 00-0036	EA	3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service.....	41.52 14.03
26 21 13 00-0037	EA	1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	47.58 15.64
26 21 13 00-0038	EA	1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	63.17 21.05
26 21 13 00-0039	EA	1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	69.18 22.73
26 21 13 00-0040	EA	2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service.....	87.77 26.37
26 21 13 00-0041	EA	2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service.....	174.91 29.74
26 21 13 00-0042	EA	3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service.....	192.58 35.07
26 21 13 00-0043	EA	3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 Thru 500 MCM Cable Service.....	345.94 52.61
26 21 13 00-0044	EA	4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service.....	484.45 70.15

26 22 Low-Voltage Transformers ^(26 20)**26 22 13 Low-Voltage Distribution Transformers ^(26 22)**

26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers ^(26 22 13)			
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.			
26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers ^(26 22 13 00-0001)			
Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.			
26 22 13 00-0003	EA	1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	518.59 181.51
26 22 13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	672.46 217.81
26 22 13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	792.48 227.24
26 22 13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	913.46 235.96
26 22 13 00-0007	EA	10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,200.34 254.10
26 22 13 00-0008	EA	15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,394.16 272.26
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	42.48
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	63.72
26 22 13 00-0009	EA	25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,518.61 290.40
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	46.89
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	70.33
26 22 13 00-0010	EA	37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,527.63 326.71
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	43.71
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	65.57
26 22 13 00-0011	EA	50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,789.77 363.01
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	53.19
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	79.78
26 22 13 00-0012	EA	75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,313.14 435.61
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	72.10
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	108.14
26 22 13 00-0013	EA	100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,881.34 508.22
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	93.25
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	139.87
26 22 13 00-0014	EA	167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	4,400.14 653.42
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	154.67
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	232.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0015 EA 250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	7,465.55	798.62
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	293.42	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	440.12	
26 22 13 00-0016 EA 333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	11,282.68	907.53
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	473.38	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	710.07	
26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers <small>(26 22 13 00-0001)</small>		
Note: 1-10 Percent x 2-5 percent FCBN taps.		
26 22 13 00-0018 EA 3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	600.05	217.81
26 22 13 00-0019 EA 5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	676.46	226.88
26 22 13 00-0020 EA 7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	783.77	235.96
26 22 13 00-0021 EA 10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	895.36	254.10
26 22 13 00-0022 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers <small>(26 22 13 00-0001)</small>		
Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.		
26 22 13 00-0023 EA 15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,394.16	272.26
26 22 13 00-0024 EA 25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,518.61	290.40
26 22 13 00-0025 1 Phase Mounting Brackets <small>(26 22 13 00-0001)</small>		
26 22 13 00-0026 EA 1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA.....	354.32	128.26
26 22 13 00-0027 1 Phase Weathershields <small>(26 22 13 00-0001)</small>		
Note: Use with types DT-3 and DS-3.		
26 22 13 00-0028 EA 37.5 KVA 1 Phase Weathershields, Set Of 2.....	30.61	
26 22 13 00-0029 EA 50 KVA 1 Phase Weathershields, Set Of 2.....	39.01	
26 22 13 00-0030 EA 75 KVA 1 Phase Weathershields, Set Of 2.....	46.52	
26 22 13 00-0031 EA 100 KVA 1 Phase Weathershields, Set Of 2.....	55.50	
26 22 13 00-0032 EA 167 KVA 1 Phase Weathershields, Set Of 2.....	75.09	
26 22 13 00-0033 EA 250 KVA 1 Phase Weathershields, Set Of 2.....	89.78	
26 22 13 00-0034 EA 333 KVA 1 Phase Weathershields, Set Of 2.....	110.18	
26 22 13 00-0035 Packaged Power Supply <small>(26 22 13 00-0001)</small>		
Note: 2-5 Percent FCBN taps.		
26 22 13 00-0036 EA 5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amp Breakers.....	903.74	226.88
26 22 13 00-0037 EA 7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amp Breakers.....	998.05	235.96
26 22 13 00-0038 EA 10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amp Breakers.....	1,079.73	254.10
26 22 13 00-0039 EA 15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amp Breakers.....	1,286.28	272.26
26 22 13 00-0040 EA 25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amp Breakers.....	1,687.21	290.40
26 22 13 00-0041 240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade <small>(26 22 13 00-0001)</small>		
26 22 13 00-0042 EA 0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	665.42	163.35
26 22 13 00-0043 EA 1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	889.44	181.51
26 22 13 00-0044 EA 2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,043.66	217.81
26 22 13 00-0045 EA 5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,139.36	226.88
26 22 13 00-0046 EA 7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,263.60	235.96
26 22 13 00-0047 EA 10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,577.41	254.10
26 22 13 00-0048 EA 15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,987.52	272.26
26 22 13 00-0049 1 Phase, 208/600 Volt, Dry General Purpose Transformer <small>(26 22 13 00-0001)</small>		
26 22 13 00-0050 EA 15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	2,381.19	272.26
26 22 13 00-0051 EA 25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	2,478.37	290.40
26 22 13 00-0052 EA 30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	2,582.02	308.56
26 22 13 00-0053 EA 37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	3,322.78	326.71
26 22 13 00-0054 EA 45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	3,468.52	344.86
26 22 13 00-0055 EA 50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	4,510.36	363.01
26 22 13 00-0056 3 Phase General Purpose "Dry Type" Transformer <small>(26 22 13 00-0001)</small>		
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0057 Packaged Power Supply <small>(26 22 13 00-0056)</small>		
Note: 2-5 Percent FCBN taps.		
26 22 13 00-0058 EA 15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amp Breakers.....	3,717.73	780.47
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	107.84	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	161.76	
26 22 13 00-0059 EA 22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amp Breakers.....	4,342.55	834.92
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	133.64	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	200.45	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0060	EA		30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amp Breakers.....	5,094.43	907.53
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	163.97	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	245.95	
26 22 13 00-0061			480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN		
			Taps <small>(26 22 13 00-0056)</small>		
26 22 13 00-0062	EA		30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,673.35	399.31
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	93.74	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	140.60	
			<i>For K4 Factor Rating, Add</i>	1,312.31	
			<i>For K13 Factor Rating, Add</i>	1,874.73	
			<i>For K20 Factor Rating, Add</i>	2,437.15	
26 22 13 00-0063	EA		37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,188.49	435.61
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	115.86	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	173.80	
			<i>For K4 Factor Rating, Add</i>	1,622.09	
			<i>For K13 Factor Rating, Add</i>	2,317.27	
			<i>For K20 Factor Rating, Add</i>	3,012.45	
26 22 13 00-0064	EA		45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,347.43	471.91
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	120.18	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	180.27	
			<i>For K4 Factor Rating, Add</i>	1,682.52	
			<i>For K13 Factor Rating, Add</i>	2,403.60	
			<i>For K20 Factor Rating, Add</i>	3,124.68	
26 22 13 00-0065	EA		50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,301.61	508.22
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	164.26	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	246.39	
			<i>For K4 Factor Rating, Add</i>	2,299.63	
			<i>For K13 Factor Rating, Add</i>	3,285.18	
			<i>For K20 Factor Rating, Add</i>	4,270.73	
26 22 13 00-0066	EA		75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,278.45	544.52
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	159.47	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	239.21	
			<i>For K4 Factor Rating, Add</i>	2,232.59	
			<i>For K13 Factor Rating, Add</i>	3,189.42	
			<i>For K20 Factor Rating, Add</i>	4,146.25	
26 22 13 00-0067	EA		112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	5,305.14	653.42
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	199.92	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	299.87	
			<i>For K4 Factor Rating, Add</i>	2,798.82	
			<i>For K13 Factor Rating, Add</i>	3,998.31	
			<i>For K20 Factor Rating, Add</i>	5,197.80	
26 22 13 00-0068	EA		150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	6,784.40	726.02
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	266.62	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	399.93	
			<i>For K4 Factor Rating, Add</i>	3,732.65	
			<i>For K13 Factor Rating, Add</i>	5,332.36	
			<i>For K20 Factor Rating, Add</i>	6,932.07	
26 22 13 00-0069	EA		225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	9,182.70	907.53
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	368.38	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	552.57	
			<i>For K4 Factor Rating, Add</i>	5,157.36	
			<i>For K13 Factor Rating, Add</i>	7,367.65	
			<i>For K20 Factor Rating, Add</i>	9,577.95	
26 22 13 00-0070	EA		300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	11,209.17	1,125.34
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	447.93	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	671.89	
			<i>For K4 Factor Rating, Add</i>	6,270.96	
			<i>For K13 Factor Rating, Add</i>	8,958.51	
			<i>For K20 Factor Rating, Add</i>	11,646.06	
26 22 13 00-0071	EA		500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	15,877.17	1,379.44
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	655.91	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	983.87	
			<i>For K4 Factor Rating, Add</i>	9,182.80	
			<i>For K13 Factor Rating, Add</i>	13,118.29	
			<i>For K20 Factor Rating, Add</i>	17,053.78	
26 22 13 00-0072	EA		750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	35,338.22	1,654.00
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,599.93	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	2,399.89	
			<i>For K4 Factor Rating, Add</i>	22,398.96	
			<i>For K13 Factor Rating, Add</i>	31,998.52	
			<i>For K20 Factor Rating, Add</i>	41,598.08	
26 22 13 00-0073	EA		1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	46,231.97	1,815.05
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	2,130.09	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	3,195.14	
			<i>For K4 Factor Rating, Add</i>	29,821.31	
			<i>For K13 Factor Rating, Add</i>	42,601.87	
			<i>For K20 Factor Rating, Add</i>	55,382.43	

26 22 13 00-0074 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN**Taps** (26 22 13 00-0056)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0075 EA 6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	1,532.08 678.59 969.42 1,260.25	281.34
26 22 13 00-0076 EA 9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	1,842.78 870.67 1,243.82 1,616.97	299.48
26 22 13 00-0077 EA 15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	2,360.09 85.33 128.00 1,194.67 1,706.67 2,218.67	326.71
26 22 13 00-0078 480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps		
(26 22 13 00-0056) 26 22 13 00-0079 EA 30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	4,367.25 178.43 267.65 2,498.04 3,568.63 4,639.22	399.31
26 22 13 00-0080 EA 45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	4,915.00 198.56 297.84 2,779.82 3,971.17 5,162.52	471.91
26 22 13 00-0081 EA 75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	7,128.71 301.98 452.98 4,227.78 6,039.68 7,851.58	544.52
26 22 13 00-0082 EA 112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	8,925.02 380.91 571.36 5,332.73 7,618.19 9,903.65	653.42
26 22 13 00-0083 EA 150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	10,700.01 462.40 693.60 6,473.58 9,247.97 12,022.36	726.02
26 22 13 00-0084 EA 225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	13,696.90 594.09 891.14 8,317.30 11,881.85 15,446.41	907.53
26 22 13 00-0085 EA 300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	16,671.40 721.04 1,081.56 10,094.52 14,420.74 18,746.96	1,125.34
26 22 13 00-0086 EA 500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	26,444.18 1,184.27 1,776.40 16,579.71 23,685.30 30,790.89	1,379.44
26 22 13 00-0087 3 Phase 60 Hz K20 Dry Type Transformers (26 22 13 00-0056)		
26 22 13 00-0088 3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise (26 22 13 00-0087) Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0089 EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	2,222.89	326.71
26 22 13 00-0090 EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	3,284.75	399.31
26 22 13 00-0091 EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	4,729.56	471.91
26 22 13 00-0092 EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	5,996.45	544.52
26 22 13 00-0093 EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	8,876.78	653.42
26 22 13 00-0094 EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	10,742.22	726.02
26 22 13 00-0095 EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	12,543.54	907.53
26 22 13 00-0096 EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	19,670.13	1,125.34
26 22 13 00-0097 3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise (26 22 13 00-0087) Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0098 EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	2,537.99	326.71
26 22 13 00-0099 EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	3,782.27	399.31

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 22	Low-Voltage Transformers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0100 EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	5,486.40	471.91
26 22 13 00-0101 EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	6,976.43	544.52
26 22 13 00-0102 EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	10,390.47	653.42
26 22 13 00-0103 EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	12,601.17	726.02
26 22 13 00-0104 EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	14,688.94	907.53
26 22 13 00-0105 EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	23,154.33	1,125.34
26 22 13 00-0106 NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0056)		
26 22 13 00-0107 Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0106)		
Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0108 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0107)		
26 22 13 00-0109 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	2,746.79	323.61
26 22 13 00-0110 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,350.16	395.53
26 22 13 00-0111 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,044.50	467.43
26 22 13 00-0112 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,484.89	539.35
26 22 13 00-0113 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,384.05	647.21
26 22 13 00-0114 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,238.92	719.13
26 22 13 00-0115 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	12,283.01	898.91
26 22 13 00-0116 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	17,384.24	1,114.65
26 22 13 00-0117 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0107)		
26 22 13 00-0118 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,378.50	323.61
26 22 13 00-0119 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,115.34	395.53
26 22 13 00-0120 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,977.60	467.43
26 22 13 00-0121 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,806.96	539.35
26 22 13 00-0122 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,748.63	647.21
26 22 13 00-0123 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	11,579.11	719.13
26 22 13 00-0124 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	15,428.77	898.91
26 22 13 00-0125 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	21,930.72	1,114.65
26 22 13 00-0126 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0107)		
26 22 13 00-0127 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,007.66	323.61
26 22 13 00-0128 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,882.66	395.53
26 22 13 00-0129 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,910.71	467.43
26 22 13 00-0130 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,126.91	539.35
26 22 13 00-0131 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	10,470.29	647.21
26 22 13 00-0132 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	13,919.30	719.13
26 22 13 00-0133 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	18,574.54	898.91
26 22 13 00-0134 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	26,477.21	1,114.65
26 22 13 00-0135 Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0106)		
Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0136 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0135)		
26 22 13 00-0137 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	3,797.22	323.61
26 22 13 00-0138 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,627.60	395.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0139 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,598.25	467.43
26 22 13 00-0140 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,686.92	539.35
26 22 13 00-0141 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	10,495.80	647.21
26 22 13 00-0142 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	13,220.01	719.13
26 22 13 00-0143 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	17,632.93	898.91
26 22 13 00-0144 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	25,119.00	1,114.65
26 22 13 00-0145 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0135)		
26 22 13 00-0146 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,426.38	323.61
26 22 13 00-0147 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,394.91	395.53
26 22 13 00-0148 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,531.36	467.43
26 22 13 00-0149 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	9,009.00	539.35
26 22 13 00-0150 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	13,845.62	647.21
26 22 13 00-0151 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	17,526.30	719.13
26 22 13 00-0152 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	22,385.59	898.91
26 22 13 00-0153 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	33,512.67	1,114.65
26 22 13 00-0154 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0135)		
26 22 13 00-0155 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,057.66	323.61
26 22 13 00-0156 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,162.22	395.53
26 22 13 00-0157 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,464.46	467.43
26 22 13 00-0158 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	10,328.94	539.35
26 22 13 00-0159 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	16,536.52	647.21
26 22 13 00-0160 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	21,430.88	719.13
26 22 13 00-0161 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	27,136.12	898.91
26 22 13 00-0162 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	40,216.54	1,114.65
26 22 13 00-0163 3 Phase Weathershields (26 22 13 00-0056) Note: Use with type DT-3 and DS-3.		
26 22 13 00-0164 EA 45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	414.61	
26 22 13 00-0165 EA 150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	704.08	
26 22 13 00-0166 EA 500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	704.08	
26 22 13 00-0167 Three Phase Mounting Brackets (26 22 13 00-0056)		
26 22 13 00-0168 EA 3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA	477.84	128.26
26 24 Switchboards And Panelboards (26 20)		
26 24 13 Switchboards (26 24)		
Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.		
26 24 13 00-0001 Fusible Switch Type 240 Volt, 3 Phase, 3 Wire (26 24 13)		
26 24 13 00-0002 Incoming Service Section Main Device Only (26 24 13 00-0001)		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0003 EA 400 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	2,722.00	613.56
26 24 13 00-0004 EA 600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	3,025.26	648.99
26 24 13 00-0005 EA 800 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	5,017.92	736.18
26 24 13 00-0006 EA 1,200 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	5,406.96	789.21
26 24 13 00-0007 EA 1,600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	8,855.00	841.46
26 24 13 00-0008 EA 2,000 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	9,893.35	894.71
26 24 13 00-0009 EA 400 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	3,350.08	613.56

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0010 EA 600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	4,348.95	648.99
26 24 13 00-0011 EA 800 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	6,132.68	736.81
26 24 13 00-0012 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	8,481.13	789.21
26 24 13 00-0013 EA 1,600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	8,855.00	842.31
26 24 13 00-0014 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	9,893.35	894.71
26 24 13 00-0015 EA 2,500 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	11,950.25	935.39
26 24 13 00-0016 EA 3,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	13,568.07	1,002.10
26 24 13 00-0017 EA 4,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	16,061.00	1,080.24
26 24 13 00-0018 EA 400 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	1,793.74	543.63
26 24 13 00-0019 EA 600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	1,992.00	578.77
26 24 13 00-0020 EA 800 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,280.19	666.24
26 24 13 00-0021 EA 1,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,467.04	694.23
26 24 13 00-0022 EA 1,200 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,636.25	719.27
26 24 13 00-0023 EA 1,600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,896.37	771.18
26 24 13 00-0024 EA 2,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	3,133.49	824.07
26 24 13 00-0025 Branch Breaker Units <small>(26 24 13 00-0001)</small>		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0026 EA 15 - 60 Amp MC Branch Breaker, 240 Volt.....	246.63	21.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	12.84	
26 24 13 00-0027 EA 70 - 100 Amp MC Branch Breaker, 240 Volt.....	360.36	33.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	20.20	
26 24 13 00-0028 EA 125 - 225 Amp MC Branch Breaker, 240 Volt.....	980.15	61.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	36.83	
26 24 13 00-0029 EA 100 - 400 Amp MC Branch Breaker, 240 Volt.....	1,752.43	79.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	47.98	
26 24 13 00-0030 EA 300 - 600 Amp MC Branch Breaker, 240 Volt.....	3,098.73	196.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	117.83	
26 24 13 00-0031 EA 400 - 800 Amp MC Branch Breaker, 240 Volt.....	5,011.01	196.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	117.83	
26 24 13 00-0032 EA 600 - 1,200 Amp MC Branch Breaker, 240 Volt.....	8,110.92	350.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	210.02	
26 24 13 00-0033 Fusible Switch Type 480 Volt, 3 Phase, 3 Wire <small>(26 24 13)</small>		
26 24 13 00-0034 Incoming Service Section Main Device Only <small>(26 24 13 00-0033)</small>		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0035 EA 400 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	3,865.53	796.16
26 24 13 00-0036 EA 600 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	4,335.65	796.16
26 24 13 00-0037 EA 800 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	6,564.58	1,034.65
26 24 13 00-0038 EA 1,200 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	7,464.58	1,034.65
26 24 13 00-0039 Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire <small>(26 24 13)</small>		
26 24 13 00-0040 Incoming Service Section Main Device Only <small>(26 24 13 00-0039)</small>		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0041 EA 200/400 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,452.91	543.63
26 24 13 00-0042 EA 600 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,742.38	578.77
26 24 13 00-0043 EA 800 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,294.60	666.24
26 24 13 00-0044 EA 1,200 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,668.28	718.71
26 24 13 00-0045 EA 200/400 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,049.14	543.63
26 24 13 00-0046 EA 600 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,896.62	578.77
26 24 13 00-0047 EA 800 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	5,532.93	666.24
26 24 13 00-0048 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	8,045.66	718.71
26 24 13 00-0049 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	9,461.14	806.67
26 24 13 00-0050 EA 200/400 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	1,678.16	473.41
26 24 13 00-0051 EA 600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	1,889.88	508.62
26 24 13 00-0052 EA 800 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,218.99	596.10
26 24 13 00-0053 EA 1,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,396.02	624.08
26 24 13 00-0054 EA 1,200 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,568.21	648.99
26 24 13 00-0055 EA 1,600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,791.15	694.23
26 24 13 00-0056 EA 2,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,010.12	736.18
26 24 13 00-0057 EA 2,500 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,737.58	911.89
26 24 13 00-0058 EA 3,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,192.13	999.57
26 24 13 00-0059 EA 4,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,973.96	1,078.49
26 24 13 00-0060 Branch Breaker Units <small>(26 24 13 00-0039)</small>		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0061 EA 15 - 60 Amp MC Branch Breaker, 120 / 240 Volt.....	129.67	18.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	11.15	
26 24 13 00-0062 EA 70 - 100 Amp MC Branch Breaker, 120 / 240 Volt.....	205.43	30.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	18.52	
26 24 13 00-0063 EA 125 - 225 Amp MC Branch Breaker, 120 / 240 Volt.....	646.84	43.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	25.88	
26 24 13 00-0064 EA 100 - 400 Amp MC Branch Breaker, 120 / 240 Volt.....	1,888.06	55.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	33.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0065 EA 300 - 600 Amp MC Branch Breaker, 120 / 240 Volt..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,954.36 81.01	135.03
26 24 13 00-0066 EA 400 - 800 Amp MC Branch Breaker, 120 / 240 Volt..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,223.27 81.01	135.03
26 24 13 00-0067 EA 600 - 1,200 Amp MC Branch Breaker, 120 / 240 Volt..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,949.33 154.69	257.78
26 24 13 00-0068 Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire (26 24 13)		
26 24 13 00-0069 Incoming Service Section Main Device Only (26 24 13 00-0068)		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0070 EA 400 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,722.85	613.56
26 24 13 00-0071 EA 600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,024.30	648.99
26 24 13 00-0072 EA 800 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	5,016.67	736.18
26 24 13 00-0073 EA 1,200 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	5,405.53	789.21
26 24 13 00-0074 EA 1,600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	8,851.76	841.46
26 24 13 00-0075 EA 2,000 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	9,893.35	894.71
26 24 13 00-0076 EA 400 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,350.93	613.56
26 24 13 00-0077 EA 600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,347.99	648.99
26 24 13 00-0078 EA 800 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	6,132.67	736.81
26 24 13 00-0079 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	8,479.70	789.21
26 24 13 00-0080 EA 1,600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	8,853.38	842.31
26 24 13 00-0081 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	9,893.35	894.71
26 24 13 00-0082 EA 400 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	1,893.62	543.63
26 24 13 00-0083 EA 600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,129.58	578.77
26 24 13 00-0084 EA 800 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,486.80	666.24
26 24 13 00-0085 EA 1,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,685.40	694.23
26 24 13 00-0086 EA 1,200 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,878.20	719.27
26 24 13 00-0087 EA 1,600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,128.47	771.18
26 24 13 00-0088 EA 2,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,382.08	824.07
26 24 13 00-0089 EA 2,500 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,032.51	936.45
26 24 13 00-0090 EA 3,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,476.42	1,002.03
26 24 13 00-0091 EA 4,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	5,330.74	1,076.74
26 24 13 00-0092 Branch Breaker Units (26 24 13 00-0068)		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0093 EA 15 - 60 Amp MC Branch Breaker, 120/208 Volt.....	246.63	21.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.84	
26 24 13 00-0094 EA 70 - 100 Amp MC Branch Breaker, 120/208 Volt.....	360.36	33.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.20	
26 24 13 00-0095 EA 125 - 225 Amp MC Branch Breaker, 120/208 Volt.....	980.15	61.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.83	
26 24 13 00-0096 EA 100 - 400 Amp MC Branch Breaker, 120/208 Volt.....	1,752.43	79.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.98	
26 24 13 00-0097 EA 300 - 600 Amp MC Branch Breaker, 120/208 Volt.....	3,098.73	196.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.83	
26 24 13 00-0098 EA 400 - 800 Amp MC Branch Breaker, 120/208 Volt.....	5,011.01	196.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.83	
26 24 13 00-0099 EA 600 - 1,200 Amp MC Branch Breaker, 120/208 Volt.....	8,110.92	350.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	210.02	
26 24 13 00-0100 Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire (26 24 13)		
26 24 13 00-0101 Incoming Service Section Main Device Only (26 24 13 00-0100)		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0102 EA 400 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,509.87	841.46
26 24 13 00-0103 EA 600 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,864.77	894.71
26 24 13 00-0104 EA 800 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	5,614.20	998.66
26 24 13 00-0105 EA 1,200 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	6,146.59	1,069.30
26 24 13 00-0106 EA 400 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	4,576.21	841.46
26 24 13 00-0107 EA 600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	6,254.80	894.71
26 24 13 00-0108 EA 800 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	7,093.05	999.78
26 24 13 00-0109 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	9,039.85	1,069.30
26 24 13 00-0110 EA 1,600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	9,449.22	1,140.22
26 24 13 00-0111 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	10,526.08	1,211.06
26 24 13 00-0112 EA 400 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	1,893.62	543.63
26 24 13 00-0113 EA 600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,129.58	578.77
26 24 13 00-0114 EA 800 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,486.80	666.24
26 24 13 00-0115 EA 1,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,685.40	694.23
26 24 13 00-0116 EA 1,200 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,878.20	719.27
26 24 13 00-0117 EA 1,600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,128.47	771.18
26 24 13 00-0118 EA 2,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,382.08	824.07
26 24 13 00-0119 Branch Breaker Units (26 24 13 00-0100)		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0120 EA 15 - 60 Amp MC Branch Breaker, 480 / 277 Volt.....	520.54	21.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.84	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0121 EA 70 - 100 Amp MC Branch Breaker, 480 / 277 Volt.....	596.05	33.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.20	
26 24 13 00-0122 EA 125 - 225 Amp MC Branch Breaker, 480 / 277 Volt.....	1,080.80	61.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.83	
26 24 13 00-0123 EA 100 - 400 Amp MC Branch Breaker, 480 / 277 Volt.....	1,752.43	79.96
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.98	
26 24 13 00-0124 EA 300 - 600 Amp MC Branch Breaker, 480 / 277 Volt.....	4,196.92	196.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.83	
26 24 13 00-0125 EA 400 - 800 Amp MC Branch Breaker, 480 / 277 Volt.....	4,295.02	196.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.83	
26 24 13 00-0126 EA 600 - 1,200 Amp MC Branch Breaker, 480 / 277 Volt.....	6,876.41	350.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	210.02	
26 24 13 00-0127 Fusible Branch Circuit Switch <small>(26 24 13)</small>		
Note: Includes switch fuses, and portion of distribution section occupied by that branch device.		
26 24 13 00-0128 240 Volt, 2 Pole Twin Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0129 EA 30/30 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	521.85	55.07
For Electrical Interlock Kit, Add	222.72	
26 24 13 00-0130 EA 30/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	519.94	55.07
For Electrical Interlock Kit, Add	222.72	
26 24 13 00-0131 EA 60/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	519.94	55.07
For Electrical Interlock Kit, Add	222.72	
26 24 13 00-0132 EA 60/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	822.09	72.60
For Electrical Interlock Kit, Add	222.72	
26 24 13 00-0133 EA 100/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	822.09	72.60
For Electrical Interlock Kit, Add	222.72	
26 24 13 00-0134 240 Volt, 2 Pole Single Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0135 EA 100 Amp, 240 Volt, 2 Pole Single Branch Switch Unit.....	600.88	54.01
For Electrical Interlock Kit, Add	213.36	
26 24 13 00-0136 EA 200 Amp, 240 Volt, 2 Pole Single Branch Switch Unit.....	886.99	54.01
For Electrical Interlock Kit, Add	213.36	
26 24 13 00-0137 EA 400 Amp, 240 Volt, 2 Pole Single Branch Switch Unit.....	2,276.87	145.55
26 24 13 00-0138 240 Volt, 3 Pole Twin Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0139 EA 30/30 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit.....	672.46	62.07
For Electrical Interlock Kit, Add	222.72	
26 24 13 00-0140 EA 30/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit.....	670.56	62.07
For Electrical Interlock Kit, Add	222.72	
26 24 13 00-0141 EA 60/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit.....	670.56	62.07
For Electrical Interlock Kit, Add	222.72	
26 24 13 00-0142 EA 60/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,014.67	83.12
For Electrical Interlock Kit, Add	222.72	
26 24 13 00-0143 EA 100/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,014.67	83.12
For Electrical Interlock Kit, Add	222.72	
26 24 13 00-0144 240 Volt, 3 Pole Single Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0145 EA 100 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	729.67	61.03
For Electrical Interlock Kit, Add	222.72	
26 24 13 00-0146 EA 200 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	1,196.07	61.03
For Electrical Interlock Kit, Add	213.36	
26 24 13 00-0147 EA 400 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	3,063.46	162.95
26 24 13 00-0148 EA 600 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	4,385.30	208.75
26 24 13 00-0149 EA 800 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	8,208.64	282.83
26 24 13 00-0150 600 Volt, 3 Pole Twin Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0151 EA 30/30 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	961.28	62.07
For Electrical Interlock Kit, Add	222.72	
26 24 13 00-0152 EA 30/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	959.34	62.07
For Electrical Interlock Kit, Add	222.72	
26 24 13 00-0153 EA 60/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	961.28	62.07
For Electrical Interlock Kit, Add	222.72	
26 24 13 00-0154 EA 60/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,450.45	83.12
For Electrical Interlock Kit, Add	222.72	
26 24 13 00-0155 EA 100/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,482.70	83.12
For Electrical Interlock Kit, Add	222.72	
26 24 13 00-0156 EA 200/200 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	3,187.00	108.73
For Electrical Interlock Kit, Add	222.72	
26 24 13 00-0157 600 Volt, 3 Pole, Single Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0158 EA 100 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	1,040.73	61.03
For Electrical Interlock Kit, Add	222.72	
26 24 13 00-0159 EA 200 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	1,590.98	61.03
For Electrical Interlock Kit, Add	213.36	
26 24 13 00-0160 EA 400 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	3,864.50	162.95
For Electrical Interlock Kit, Add	213.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0161 EA 600 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	4,688.50	208.75
26 24 13 00-0162 EA 800 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	8,208.64	282.83
26 24 13 00-0163 Service And Distribution Structures (26 24 13)		
26 24 13 00-0164 Switchboard Sections (26 24 13 00-0163)		
26 24 13 00-0165 EA 600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	3,039.84	584.53
26 24 13 00-0166 EA 800 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	3,331.29	635.38
26 24 13 00-0167 EA 1,200 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	4,172.29	811.87
26 24 13 00-0168 EA 1,600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	4,563.93	885.66
26 24 13 00-0169 EA 2,000 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	4,868.01	942.82
26 24 13 00-0170 EA 400 Amp Switchboard Incoming For Switch Circuit Section 480 Volt.....	3,682.54	512.77
26 24 13 00-0171 EA Distribution Section Subfeeder Lug-Rated At 200 Amp.....	2,026.21	487.09
26 24 13 00-0172 EA Distribution Section Subfeeder Lug-Rated At 400 Amp.....	2,249.34	528.20
26 24 13 00-0173 EA Distribution Section Aluminum Bus 120/208 Or 277/480 Volt, 4 Wire.....	2,698.34	584.53
26 24 13 00-0174 EA 800 Amp Switchboard Distribution Section Aluminum Bus Less Breaker.....	2,926.17	586.07
26 24 13 00-0175 EA 1,000 Amp Switchboard Distribution Section Aluminum Bus Less Breaker.....	3,225.89	654.32
26 24 13 00-0176 EA 15 To 60 Amp, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame.....	110.44	35.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.42	
26 24 13 00-0177 EA 70 To 100 Amp, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame.....	135.31	35.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.31	
26 24 13 00-0178 EA 70 To 225 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame.....	664.31	42.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.52	
26 24 13 00-0179 EA 125 To 400 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame.....	1,109.80	90.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.92	
26 24 13 00-0180 EA 100 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase.....	433.52	126.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.84	
26 24 13 00-0181 EA 225 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase.....	1,266.22	73.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.52	
26 24 13 00-0182 Switchboard, Structure Per Section Copper 480 V (26 24 13 00-0163)		
26 24 13 00-0183 EA 225 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	1,575.32	304.43
26 24 13 00-0184 EA 400 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	2,248.63	411.69
26 24 13 00-0185 EA 600 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	2,508.44	501.04
26 24 13 00-0186 EA 800 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	3,138.21	701.45
26 24 13 00-0187 EA 1,200 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	3,886.05	876.82
26 24 13 00-0188 EA 1,600 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	4,315.57	876.82
26 24 13 00-0189 EA 2,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	5,296.20	1,169.11
26 24 13 00-0190 EA 2,500 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	6,119.78	1,169.11
26 24 13 00-0191 EA 3,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	7,190.18	1,391.76
26 24 13 00-0192 EA 4,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	8,705.66	1,391.76
26 24 13 00-0193 Main Devices (26 24 13)		
26 24 13 00-0194 Power Circuit Breakers (26 24 13 00-0193)		
26 24 13 00-0195 DSL Breaker With Current Limiters And Amptector (26 24 13 00-0194)		
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0196 EA 50 - 800 Amp DSL-206, Main Breaker With Current Limiter, Amptector Static Trip.....	5,650.95	736.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	440.98	
26 24 13 00-0197 EA 50 - 1,600 Amp DSL-416, Main Breaker With Current Limiter, Amptector Static Trip.....	10,354.04	1,227.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	735.79	
26 24 13 00-0198 EA 1,200 - 3,200 Amp DSL-632, Main Breaker With Current Limiter, Amptector Static Trip.....	23,585.25	2,062.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,226.32	
26 24 13 00-0199 EA 4,000 Amp DSL-840, Main Breaker With Current Limiter, Amptector Static Trip.....	37,955.44	3,338.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,039.11	
26 24 13 00-0200 EA Ground-Fault Trip All Power Breakers - Factory Installed.....	2,062.40	
26 24 13 00-0201 EA Key Interlock All Power Breakers - Factory Installed.....	266.35	
26 24 13 00-0202 EA Short Time Delay Selective Trip - Factory Installed.....	349.44	
26 24 13 00-0203 EA Shunt Trip Manually Open Breakers - Factory Installed.....	251.69	
26 24 13 00-0204 DSL Breaker Electrical Operated And Amptector (26 24 13 00-0194)		
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0205 EA 50 - 800 Amp DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip.....	6,652.77	771.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	465.16	
26 24 13 00-0206 EA 50 - 1,600 Amp DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip.....	12,413.30	1,297.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	774.80	
26 24 13 00-0207 EA 1,200 - 3,200 Amp DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip.....	26,550.82	2,139.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,289.44	
26 24 13 00-0208 EA 4,000 Amp DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip.....	40,903.89	3,507.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,156.11	
26 24 13 00-0209 DS Breakers With Amptector Static Trip, Manually Operated (26 24 13 00-0194)		
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0210 EA 50 - 800 Amp DS-206, Main Breaker With Groundfault, Amptector Static Trip.....	4,464.55	673.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	404.69	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0211 EA 50 - 1,600 Amp DS-416, Main Breaker With Groundfault, Amptector Static Trip.....	8,209.42	1,129.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	674.48	
26 24 13 00-0212 EA 2,000 Amp DS-420, Main Breaker With Groundfault, Amptector Static Trip.....	12,090.78	1,893.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,124.13	
26 24 13 00-0213 EA 1,200 - 3,200 AMP DS-632, Main Breaker With Groundfault, Amptector Static Trip.....	20,908.44	3,051.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,872.21	
26 24 13 00-0214 EA 4,000 Amp DS-840, Main Breaker With Groundfault, Amptector Static Trip.....	33,984.21	4,980.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,112.97	
26 24 13 00-0215 DS Breakers With Amptector Static Trip, Electrically Operated (26 24 13 00-0194)		
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0216 EA 50 - 800 Amp DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	5,323.43	645.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	385.98	
26 24 13 00-0217 EA 50 - 1,600 Amp DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	9,982.89	1,080.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	643.14	
26 24 13 00-0218 EA 2,000 Amp DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	14,118.12	1,795.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,073.66	
26 24 13 00-0219 EA 1,200 - 3,200 Amp DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	23,289.91	2,925.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,789.43	
26 24 13 00-0220 EA 4,000 Amp DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	36,302.24	5,015.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,989.16	
26 24 13 00-0221 Molded Case Circuit Breakers Conventional (26 24 13 00-0194)		
26 24 13 00-0222 EA 70 - 225 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	1,792.38	589.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	339.41	
26 24 13 00-0223 EA 125 - 400 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	2,700.45	589.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	369.19	
26 24 13 00-0224 EA 300 - 600 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	2,998.38	701.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	404.69	
26 24 13 00-0225 EA 400 - 800 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	3,590.96	701.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	438.41	
26 24 13 00-0226 EA 600 - 1,200 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	5,435.51	841.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	480.45	
26 24 13 00-0227 EA 1,000 - 2,000 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	8,937.22	841.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	531.41	
26 24 13 00-0228 EA Shunt Trip, Factory Installed.....	263.91	
26 24 13 00-0229 EA Groundfault Trip Complete Interrupting Circuit, Factory Installed.....	61.09	
26 24 13 00-0230 Switchboard Branch Breaker 480 Volt (26 24 13 00-0193)		
26 24 13 00-0231 EA 60 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	398.47	50.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.50	
26 24 13 00-0232 EA 100 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	467.17	67.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.47	
26 24 13 00-0233 EA 225 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	1,386.42	101.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.96	
26 24 13 00-0234 EA 400 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	1,835.20	127.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.47	
26 24 13 00-0235 EA 600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,214.91	170.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.55	
26 24 13 00-0236 EA 800 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,670.09	219.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	131.52	
26 24 13 00-0237 EA 1,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	4,301.76	334.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	200.42	
26 24 13 00-0238 EA 1,200 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	4,301.76	334.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	200.42	
26 24 13 00-0239 EA 1,600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	6,033.80	467.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	280.58	
26 24 13 00-0240 EA 2,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	7,484.06	701.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	420.87	
26 24 13 00-0241 Switchboard 277/480 Volt Main Breaker (26 24 13 00-0193)		
26 24 13 00-0242 EA 400 Amp, Switchboard 277/480 Volt Main Breaker.....	4,914.23	304.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	182.67	
26 24 13 00-0243 EA 600 Amp, Switchboard 277/480 Volt Main Breaker.....	4,972.11	333.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	200.03	
26 24 13 00-0244 EA 800 Amp, Switchboard 277/480 Volt Main Breaker.....	5,307.41	501.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	300.62	
26 24 13 00-0245 EA 1,200 Amp, Switchboard 277/480 Volt Main Breaker.....	9,137.31	701.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	420.87	
26 24 13 00-0246 EA 1,600 Amp, Switchboard 277/480 Volt Main Breaker.....	9,286.29	775.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	465.57	
26 24 13 00-0247 EA 2,000 Amp, Switchboard 277/480 Volt Main Breaker.....	12,119.53	1,391.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	835.07	
26 24 13 00-0248 Branch Or Distribution Devices (26 24 13)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0249				3 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0248) Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0250	EA			15 - 60 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker 330.41		25.26
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 16.84		
26 24 13 00-0251	EA			70 - 100 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker 334.84		31.56
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 21.05		
26 24 13 00-0252	EA			125 - 150 Amp, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker 798.48		37.88
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 25.25		
26 24 13 00-0253	EA			70 - 225 Amp, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker 1,156.73		49.10
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 32.62		
26 24 13 00-0254	EA			125 - 400 Amp, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker 1,629.25		60.61
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 40.40		
26 24 13 00-0255	EA			300 - 600 Amp, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker 2,132.33		70.85
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 47.35		
26 24 13 00-0256	EA			900 - 1,000 Amp, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker 3,249.70		79.96
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 53.45		
26 24 13 00-0257				2 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0248) Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0258	EA			15 - 60 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker 227.96		18.94
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 12.63		
26 24 13 00-0259	EA			70 - 100 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker 293.06		25.26
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 16.84		
26 24 13 00-0260	EA			125 - 150 Amp, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker 794.49		31.56
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 21.05		
26 24 13 00-0261	EA			70 - 225 Amp, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker 1,255.87		35.07
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 23.15		
26 24 13 00-0262	EA			125 - 400 Amp, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker 1,328.84		45.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 30.51		
26 24 13 00-0263	EA			900 - 1,000 Amp, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker 3,004.54		66.29
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 44.19		
26 24 13 00-0264				Meter Devices And Instrumentation (26 24 13) Note: Factory installed accessories.		
26 24 13 00-0265				Instrument Transformers And Metering Compartments (26 24 13 00-0264)		
26 24 13 00-0266	EA			800 Amp And Below Primary Current Transformer, With Compartment 318.89		
26 24 13 00-0267	EA			1,000 - 1,500 Amp Primary Current Transformer, With Compartment 460.62		
26 24 13 00-0268	EA			2,000 - 6,000 Amp Primary Current Transformer, With Compartment 542.48		
26 24 13 00-0269	EA			Potential Transformer With 200 VA Max 390.98		
26 24 13 00-0270	EA			5 To 800 Amp, Three Current Transformers 1,273.34		
26 24 13 00-0271	EA			1,000 To 1,500 Amp, Three Current Transformers 2,280.16		
26 24 13 00-0272	EA			2,000 To 4,000 Amp, Three Current Transformers 2,967.08		
26 24 13 00-0273				Instruments (26 24 13 00-0264)		
26 24 13 00-0274	EA			AC Voltmeter 434.96		
26 24 13 00-0275	EA			AC Ammeter 434.96		
26 24 13 00-0276	EA			AC Wattmeter 1,161.93		
26 24 13 00-0277	EA			Variometer 1,312.22		
26 24 13 00-0278	EA			Power Factor Meter 1,048.31		
26 24 13 00-0279	EA			Frequency Meter 1,157.05		
26 24 13 00-0280	EA			AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block 1,472.27		
26 24 13 00-0281	EA			AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2 2,463.15		
26 24 13 00-0282	EA			Weatherproof, Modify Meter 2,296.89		
26 24 13 00-0283	EA			Control Switch Resistor Type 130 V 51.76		
26 24 13 00-0284	EA			Metering Instrument Volt, Amp And Watt Hour 2,971.18		
26 24 16				Panelboards (26 24)		
26 24 16 00-0001				Branch Circuit Panelboard (26 24 16) Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.		
26 24 16 00-0002				Assembled Lighting And Power Panelboards (26 24 16 00-0001) Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
26 24 16 00-0003				120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0004	EA			100 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity 727.25		199.92
				<i>For NEMA 3R Panelboard, Add</i> 758.59		
26 24 16 00-0005	EA			100 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity 833.47		199.92
				<i>For NEMA 3R Panelboard, Add</i> 758.59		
26 24 16 00-0006	EA			100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity 945.36		277.07
				<i>For NEMA 3R Panelboard, Add</i> 758.59		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0007 EA 100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,052.50	277.07
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0008 EA 100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,160.09	347.22
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0009 EA 100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	1,273.06	347.22
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0010 EA 100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	1,374.74	399.83
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0011 EA 225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	1,637.97	512.06
<i>For NEMA 3R Panelboard, Add</i>	834.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0012 EA 225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	1,745.37	512.06
<i>For NEMA 3R Panelboard, Add</i>	834.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0013 EA 225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,200.51	585.72
<i>For NEMA 3R Panelboard, Add</i>	834.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0014 EA 225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	2,363.31	585.72
<i>For NEMA 3R Panelboard, Add</i>	985.44	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0015 EA 225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	2,465.64	659.36
<i>For NEMA 3R Panelboard, Add</i>	985.44	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0016 EA 225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	2,613.54	659.36
<i>For NEMA 3R Panelboard, Add</i>	985.44	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0017 EA 225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	2,709.48	729.51
<i>For NEMA 3R Panelboard, Add</i>	985.44	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0018 EA 225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	2,861.60	729.51
<i>For NEMA 3R Panelboard, Add</i>	985.44	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0019 EA 225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,031.50	806.67
<i>For NEMA 3R Panelboard, Add</i>	985.44	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0020 EA 225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	3,085.25	806.67
<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0021 EA 225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	3,289.40	806.67
<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0022 120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0022)</small>		
26 24 16 00-0023 EA 50 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	801.17	192.90
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0024 EA 50 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	908.93	192.90
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0025 EA 100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	1,191.63	329.68
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0026 EA 100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	1,301.02	329.68
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0027 EA 100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	1,409.62	403.34
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0028 EA 100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	1,526.08	403.34
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0029 EA 100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	1,624.54	484.00
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0030 EA 225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity.....	2,303.69	484.00
<i>For NEMA 3R Panelboard, Add</i>	834.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0031	EA			225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity.....	2,402.72	592.73
				<i>For NEMA 3R Panelboard, Add</i>	<i>834.24</i>	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>60.96</i>	
26 24 16 00-0032	EA			225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity.....	2,509.70	592.73
				<i>For NEMA 3R Panelboard, Add</i>	<i>834.24</i>	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>60.96</i>	
26 24 16 00-0033	EA			225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	2,626.24	666.38
				<i>For NEMA 3R Panelboard, Add</i>	<i>985.44</i>	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>104.11</i>	
26 24 16 00-0034	EA			225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	2,722.00	666.38
				<i>For NEMA 3R Panelboard, Add</i>	<i>985.44</i>	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>104.11</i>	
26 24 16 00-0035	EA			225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	2,823.67	729.51
				<i>For NEMA 3R Panelboard, Add</i>	<i>985.44</i>	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>104.11</i>	
26 24 16 00-0036	EA			225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	2,932.12	729.51
				<i>For NEMA 3R Panelboard, Add</i>	<i>985.44</i>	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>104.11</i>	
26 24 16 00-0037	EA			225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	3,048.50	862.79
				<i>For NEMA 3R Panelboard, Add</i>	<i>985.44</i>	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>104.11</i>	
26 24 16 00-0038	EA			225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	3,174.12	862.79
				<i>For NEMA 3R Panelboard, Add</i>	<i>985.44</i>	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>104.11</i>	
26 24 16 00-0039	EA			225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity.....	3,310.69	862.79
				<i>For NEMA 3R Panelboard, Add</i>	<i>1,025.64</i>	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>133.06</i>	
26 24 16 00-0040	EA			225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity.....	3,396.91	911.89
				<i>For NEMA 3R Panelboard, Add</i>	<i>1,025.64</i>	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>133.06</i>	
26 24 16 00-0041				120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0042	EA			100 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity.....	1,004.06	227.97
				<i>For NEMA 3R Panelboard, Add</i>	<i>758.59</i>	
26 24 16 00-0043	EA			100 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,123.38	227.97
				<i>For NEMA 3R Panelboard, Add</i>	<i>758.59</i>	
26 24 16 00-0044	EA			100 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,259.53	305.14
				<i>For NEMA 3R Panelboard, Add</i>	<i>758.59</i>	
26 24 16 00-0045	EA			100 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,403.57	305.14
				<i>For NEMA 3R Panelboard, Add</i>	<i>758.59</i>	
26 24 16 00-0046	EA			100 Amp Rating, 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,532.05	375.28
				<i>For NEMA 3R Panelboard, Add</i>	<i>758.59</i>	
26 24 16 00-0047	EA			100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	1,668.96	375.28
				<i>For NEMA 3R Panelboard, Add</i>	<i>758.59</i>	
26 24 16 00-0048	EA			100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	1,798.50	445.43
				<i>For NEMA 3R Panelboard, Add</i>	<i>758.59</i>	
26 24 16 00-0049	EA			100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	1,930.32	445.43
				<i>For NEMA 3R Panelboard, Add</i>	<i>834.24</i>	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>60.96</i>	
26 24 16 00-0050	EA			100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,055.19	522.58
				<i>For NEMA 3R Panelboard, Add</i>	<i>834.24</i>	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>60.96</i>	
26 24 16 00-0051	EA			100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,199.05	522.58
				<i>For NEMA 3R Panelboard, Add</i>	<i>834.24</i>	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>60.96</i>	
26 24 16 00-0052	EA			100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,343.63	603.26
				<i>For NEMA 3R Panelboard, Add</i>	<i>834.24</i>	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>60.96</i>	
26 24 16 00-0053	EA			100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,487.46	603.26
				<i>For NEMA 3R Panelboard, Add</i>	<i>834.24</i>	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>60.96</i>	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0054 EA 225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	2,768.59	729.51
For NEMA 3R Panelboard, Add	985.44	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0055 EA 225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	2,862.27	729.51
For NEMA 3R Panelboard, Add	985.44	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0056 EA 225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,031.20	810.18
For NEMA 3R Panelboard, Add	985.44	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0057 EA 225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,181.32	810.18
For NEMA 3R Panelboard, Add	985.44	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0058 EA 225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	3,290.30	883.84
For NEMA 3R Panelboard, Add	1,025.64	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0059 EA 225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	3,437.03	883.84
For NEMA 3R Panelboard, Add	1,025.64	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0060 EA 400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,381.19	784.22
For NEMA 3R Panelboard, Add	985.44	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0061 EA 400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,484.70	824.21
For NEMA 3R Panelboard, Add	985.44	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0062 EA 400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,660.66	868.06
For NEMA 3R Panelboard, Add	985.44	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0063 EA 400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,821.22	918.91
For NEMA 3R Panelboard, Add	985.44	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0064 EA 400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	3,936.20	946.96
For NEMA 3R Panelboard, Add	1,025.64	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0065 EA 400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	4,116.67	1,004.84
For NEMA 3R Panelboard, Add	1,025.64	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0066 120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0067 EA 50 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	1,212.97	220.95
For NEMA 3R Panelboard, Add	758.59	
26 24 16 00-0068 EA 50 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	1,333.70	220.95
For NEMA 3R Panelboard, Add	758.59	
26 24 16 00-0069 EA 50 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	1,479.12	291.10
For NEMA 3R Panelboard, Add	758.59	
26 24 16 00-0070 EA 50 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	1,687.91	291.10
For NEMA 3R Panelboard, Add	758.59	
26 24 16 00-0071 EA 100 Amp Rating 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	1,973.08	438.41
For NEMA 3R Panelboard, Add	758.59	
26 24 16 00-0072 EA 100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	2,099.12	438.41
For NEMA 3R Panelboard, Add	758.59	
26 24 16 00-0073 EA 100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	2,234.50	512.06
For NEMA 3R Panelboard, Add	758.59	
26 24 16 00-0074 EA 100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	2,345.83	512.06
For NEMA 3R Panelboard, Add	834.24	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0075 EA 100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	2,498.39	592.73
For NEMA 3R Panelboard, Add	834.24	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0076 EA 100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	2,599.94	592.73
For NEMA 3R Panelboard, Add	834.24	
For Door-In-Door (Hinged) Trim Front, Add	60.96	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0077	EA		100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity .....2,770.91		666.38
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0078	EA		100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity .....2,919.22		666.38
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0079	EA		225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity .....3,889.23		771.60
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0080	EA		225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity .....4,053.23		813.69
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0081	EA		225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity .....4,118.34		813.69
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0082	EA		225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity .....4,299.98		918.91
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0083	EA		225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity .....4,433.89		918.91
			<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0084	EA		225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity .....4,511.52		918.91
			<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0085	EA		400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity .....4,630.91		845.26
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0086	EA		400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity .....4,807.97		894.35
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0087	EA		400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity .....4,874.73		918.91
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0088	EA		400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity .....5,069.37		975.02
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0089	EA		400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity .....5,201.99		1,003.08
			<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0090	EA		400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity .....5,319.22		1,038.16
			<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0091			480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0092	EA		100 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity .....1,144.80		224.46
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0093	EA		100 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity .....1,304.28		224.46
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0094	EA		100 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity .....1,457.74		308.64
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0095	EA		100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity .....1,617.19		308.64
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0096	EA		100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity .....1,766.82		385.80
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0097	EA		100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity .....1,923.76		385.80
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0098	EA		100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity .....2,086.93		466.46
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0099	EA		100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity .....2,237.63		466.46
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0100	EA		100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,401.94	554.15
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0101	EA		100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,561.04	554.15
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0102	EA		100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,708.42	631.31
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0103	EA		100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,865.36	631.31
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0104	EA		225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,195.18	768.09
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0105	EA		225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,351.96	768.09
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0106	EA		225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,517.97	841.75
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0107	EA		225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,642.85	841.75
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0108	EA		225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	3,826.05	929.43
			<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0109	EA		225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	3,960.72	929.43
			<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0110			480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0111	EA		50 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	1,463.41	238.49
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0112	EA		50 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	1,619.56	259.54
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0113	EA		50 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	1,777.28	322.67
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0114	EA		100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	2,367.12	392.82
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0115	EA		100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	2,527.78	434.90
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0116	EA		100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	2,676.13	469.97
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0117	EA		100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	2,837.43	512.06
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0118	EA		100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	2,993.47	554.15
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0119	EA		100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	3,138.05	589.22
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0120	EA		100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	3,291.59	624.29
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0121	EA		100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	3,455.99	666.38
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0122	EA		100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	3,633.70	718.99
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0123 EA 225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,657.34 985.44 104.11	799.65
26 24 16 00-0124 EA 225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,828.61 985.44 104.11	848.76
26 24 16 00-0125 EA 225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,956.45 985.44 104.11	869.80
26 24 16 00-0126 EA 225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,146.48 985.44 104.11	925.92
26 24 16 00-0127 EA 225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,285.07 1,025.64 133.06	960.99
26 24 16 00-0128 EA 225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,428.01 1,025.64 133.06	991.15
26 24 16 00-0129 277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0130 EA 100 Amp Rating, 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	1,687.78 758.59	245.51
26 24 16 00-0131 EA 100 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	1,975.27 758.59	245.51
26 24 16 00-0132 EA 100 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,258.49 758.59	326.17
26 24 16 00-0133 EA 100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,543.02 758.59	326.17
26 24 16 00-0134 EA 100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,830.20 758.59	403.34
26 24 16 00-0135 EA 100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	3,113.96 758.59	403.34
26 24 16 00-0136 EA 100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	3,400.37 758.59	484.00
26 24 16 00-0137 EA 100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,686.08 834.24 60.96	484.00
26 24 16 00-0138 EA 100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,986.90 834.24 60.96	568.18
26 24 16 00-0139 EA 100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,258.80 834.24 60.96	568.18
26 24 16 00-0140 EA 100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,539.17 834.24 60.96	571.68
26 24 16 00-0141 EA 100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,829.69 834.24 60.96	571.68
26 24 16 00-0142 EA 225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,305.04 985.44 104.11	792.65
26 24 16 00-0143 EA 225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,596.22 985.44 104.11	792.65
26 24 16 00-0144 EA 225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,848.35 985.44 104.11	834.73
26 24 16 00-0145 EA 225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,155.30 985.44 104.11	890.85

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24	16 00-0146	EA	225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	6,416.39	890.85
			<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24	16 00-0147	EA	225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	6,743.90	975.02
			<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24	16 00-0148		277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24	16 00-0149	EA	50 Amp Rating, 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	2,052.94	301.63
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24	16 00-0150	EA	50 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	2,344.32	301.63
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24	16 00-0151	EA	50 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	2,629.35	399.83
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24	16 00-0152	EA	100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	3,156.08	399.83
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24	16 00-0153	EA	100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	3,447.62	505.05
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24	16 00-0154	EA	100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	3,738.91	505.05
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24	16 00-0155	EA	100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	4,024.93	578.70
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24	16 00-0156	EA	100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	4,299.50	578.70
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24	16 00-0157	EA	100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	4,583.03	659.36
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24	16 00-0158	EA	100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	4,877.41	659.36
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24	16 00-0159	EA	100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	5,149.46	729.51
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24	16 00-0160	EA	100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	5,428.30	729.51
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24	16 00-0161	EA	225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	7,290.34	862.79
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24	16 00-0162	EA	225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	7,597.29	862.79
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24	16 00-0163	EA	225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	7,858.38	943.45
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24	16 00-0164	EA	225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	8,185.89	943.45
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24	16 00-0165	EA	225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity.....	8,458.81	1,031.14
			<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24	16 00-0166	EA	225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity.....	8,242.85	1,031.14
			<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24	16 00-0167	EA	400 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity.....	10,136.05	1,148.29
			<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24	16 00-0168	EA	600 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >400 To 600 Amp Main Breaker, 54 Circuit Capacity.....	12,373.91	1,378.35
			<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0169 Unassembled Lighting And Power Panelboards <small>(26 24 16 00-0001)</small> <small>Note: Listed panelboards include the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device).</small>		
26 24 16 00-0170 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0169)</small> <small>Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.</small>		
26 24 16 00-0171 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0172 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	458.41	
26 24 16 00-0173 EA 100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	525.84	
26 24 16 00-0174 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	709.00	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0175 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	816.94	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0176 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	923.11	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0177 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,029.23	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0178 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,116.15	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0179 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,220.75	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0180 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,302.22	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0181 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,387.98	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0182 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,512.12	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0184 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	679.92	
26 24 16 00-0185 EA 100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	767.71	
26 24 16 00-0186 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,224.70	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0187 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,356.65	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0188 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,479.31	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0189 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,610.43	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0190 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,751.88	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0191 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,881.48	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0193 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	945.59	
26 24 16 00-0194 EA 100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,007.46	
26 24 16 00-0195 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,179.02	
26 24 16 00-0196 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,284.64	
26 24 16 00-0197 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,381.99	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0198 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,578.13	
26 24 16 00-0199 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,659.01	
26 24 16 00-0200 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,758.05	
26 24 16 00-0201 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,882.21	
26 24 16 00-0202 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,964.76	
26 24 16 00-0203 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,080.30	
26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0205 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,161.53	
26 24 16 00-0206 EA 100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,243.30	
26 24 16 00-0207 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,784.73	
26 24 16 00-0208 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,905.55	
26 24 16 00-0209 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,019.85	
26 24 16 00-0210 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,139.38	
26 24 16 00-0211 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,275.26	
26 24 16 00-0212 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,403.47	
26 24 16 00-0213 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0169)</small>		
Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers		
26 24 16 00-0214 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0215 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	515.36	
26 24 16 00-0216 EA 100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	604.85	
26 24 16 00-0217 EA 100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	678.44	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0218 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	763.01	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0219 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	877.37	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0220 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	970.36	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0221 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,118.10	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0222 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,203.32	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0223 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,296.60	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0224 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,401.31	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0225 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,549.64	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0226 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,841.95	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0227 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0228 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	798.62	
26 24 16 00-0229 EA 100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	899.80	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0230	EA	100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,021.07	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0231	EA	225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,524.72	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0232	EA	225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,649.48	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0233	EA	225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,761.92	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0234	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,453.77	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0235	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,583.83	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0236	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,692.36	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0237		Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0238	EA	100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,002.55	
26 24 16 00-0239	EA	100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,086.47	
26 24 16 00-0240	EA	100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,154.03	
26 24 16 00-0241	EA	225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,233.03	
26 24 16 00-0242	EA	225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,345.07	
26 24 16 00-0243	EA	225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,429.24	
26 24 16 00-0244	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,666.99	
26 24 16 00-0245	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,746.18	
26 24 16 00-0246	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,833.90	
26 24 16 00-0247	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,981.29	
26 24 16 00-0248	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,118.95	
26 24 16 00-0249	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,411.26	
26 24 16 00-0250		Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0251	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,280.23	
26 24 16 00-0252	EA	100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,375.39	
26 24 16 00-0253	EA	100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,493.41	
26 24 16 00-0254	EA	225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,084.75	
26 24 16 00-0255	EA	225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,198.37	
26 24 16 00-0256	EA	225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,302.46	
26 24 16 00-0257	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,469.16	
26 24 16 00-0258	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,604.04	
26 24 16 00-0259	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,720.74	
26 24 16 00-0260		480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small>		
		Note: As manufactured by Square D or equal.		
26 24 16 00-0261		Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0262	EA	125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	748.31	
26 24 16 00-0263	EA	125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	818.32	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0264	EA		250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,124.90	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0265	EA		250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,251.84	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0266	EA		250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,361.38	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0267	EA		400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,348.51	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0268	EA		400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,418.14	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0269	EA		400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,538.85	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0270	EA		600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,597.78	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0271	EA		600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,712.31	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0272	EA		600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,867.67	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0273			Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0274	EA		100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,549.98	
26 24 16 00-0275	EA		100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,599.06	
26 24 16 00-0276	EA		125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,734.89	
26 24 16 00-0277	EA		125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,824.82	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0278	EA		125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,997.34	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0279	EA		250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,597.73	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0280	EA		250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,708.14	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0281	EA		250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,848.98	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0282	EA		400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,925.50	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0283	EA		400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,066.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0284	EA		400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,195.46	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0285			Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0286	EA		125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,218.79	
26 24 16 00-0287	EA		125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,288.80	
26 24 16 00-0288	EA		250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,584.24	
26 24 16 00-0289	EA		250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,791.92	
26 24 16 00-0290	EA		250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,892.18	
26 24 16 00-0291	EA		400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,879.32	
26 24 16 00-0292	EA		400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,935.02	
26 24 16 00-0293	EA		400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,035.78	
26 24 16 00-0294	EA		600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,141.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0295 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,244.23	
26 24 16 00-0296 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,375.07	
26 24 16 00-0297 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0298 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,120.69	
26 24 16 00-0299 EA 100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,169.77	
26 24 16 00-0300 EA 125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,198.41	
26 24 16 00-0301 EA 125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,284.17	
26 24 16 00-0302 EA 125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,537.42	
26 24 16 00-0303 EA 250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,128.53	
26 24 16 00-0304 EA 250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,225.02	
26 24 16 00-0305 EA 250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,345.91	
26 24 16 00-0306 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,422.43	
26 24 16 00-0307 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,550.22	
26 24 16 00-0308 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,677.59	
26 24 16 00-0309 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small>		
Note: As manufactured by Square D or equal.		
26 24 16 00-0310 Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0311 EA 125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	779.86	
26 24 16 00-0312 EA 125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	850.33	
26 24 16 00-0313 EA 125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	982.35	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0314 EA 250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,171.32	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0315 EA 250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,299.26	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0316 EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,407.90	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0317 EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,409.94	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0318 EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,494.24	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0319 EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,614.06	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0320 EA 600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,673.20	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0321 EA 600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,788.13	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0322 EA 600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,944.02	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0323 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0324 EA 100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,712.38	
26 24 16 00-0325 EA 100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,761.92	
26 24 16 00-0326 EA 100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,908.01	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0327 EA 125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,958.12	
26 24 16 00-0328 EA 125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,048.44	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0329 EA 125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,220.48	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0330 EA 250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,859.63	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0331 EA 250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,971.38	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0332 EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	3,110.73	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0333 EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	3,239.33	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0334 EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	3,381.33	
For Door-In-Door (Hinged) Trim Front, Add	104.11	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0335	EA	400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,510.55 133.06	
26 24 16 00-0336		Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0337	EA	125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	1,250.34	
26 24 16 00-0338	EA	125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	1,320.81	
26 24 16 00-0339	EA	125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	1,445.88	
26 24 16 00-0340	EA	250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	1,630.66	
26 24 16 00-0341	EA	250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	1,839.34	
26 24 16 00-0342	EA	250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	1,938.70	
26 24 16 00-0343	EA	400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	1,942.14	
26 24 16 00-0344	EA	400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	2,011.12	
26 24 16 00-0345	EA	400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	2,110.99	
26 24 16 00-0346	EA	600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	2,216.53	
26 24 16 00-0347	EA	600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	2,319.86	
26 24 16 00-0348	EA	600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	2,450.70	
26 24 16 00-0349		Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0350	EA	100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	2,171.73	
26 24 16 00-0351	EA	100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	2,221.27	
26 24 16 00-0352	EA	100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	2,448.09	
26 24 16 00-0353	EA	125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	2,421.64	
26 24 16 00-0354	EA	125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	2,507.79	
26 24 16 00-0355	EA	125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	2,760.56	
26 24 16 00-0356	EA	250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,390.43	
26 24 16 00-0357	EA	250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,488.26	
26 24 16 00-0358	EA	250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,607.65	
26 24 16 00-0359	EA	400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,736.26	
26 24 16 00-0360	EA	400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,865.27	
26 24 16 00-0361	EA	400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,992.17	
26 24 16 00-0362		600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small> Note: Square D I-Line or equal.		
26 24 16 00-0363		Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0362)</small>		
26 24 16 00-0364	EA	400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,285.39 125.25	208.74
26 24 16 00-0365	EA	400 Amp Rating, 45" Breaker Mounted Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,518.00 125.21	208.67
26 24 16 00-0366	EA	400 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,693.14 125.21	208.67
26 24 16 00-0367	EA	600 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,894.00 205.62	342.70
26 24 16 00-0368	EA	600 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,029.55 205.62	342.70
26 24 16 00-0369	EA	600 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,178.30 205.62	342.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0370 EA 800 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,323.02	455.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	273.33	
26 24 16 00-0371 EA 800 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,452.95	456.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	274.16	
26 24 16 00-0372 EA 800 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,506.55	455.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	273.33	
26 24 16 00-0373 EA 800 Amp Rating, 99" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,936.61	455.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	273.33	
26 24 16 00-0374 EA 1,200 Amp Rating, 27" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,794.60	685.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	411.25	
26 24 16 00-0375 EA 1,200 Amp Rating, 45" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,087.30	685.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	411.25	
26 24 16 00-0376 EA 1,200 Amp Rating, 63" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,326.62	685.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	411.25	
26 24 16 00-0377 EA 1,200 Amp Rating, 99" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,618.72	685.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	411.25	
26 24 16 00-0378 Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0362)</small>		
26 24 16 00-0379 EA 225 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,551.97	213.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.89	
26 24 16 00-0380 EA 400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,363.77	241.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.07	
26 24 16 00-0381 EA 400 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,532.92	241.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.07	
26 24 16 00-0382 EA 400 Amp Rating, 81" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,030.75	241.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.07	
26 24 16 00-0383 EA 600 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,228.16	396.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	237.80	
26 24 16 00-0384 EA 600 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,507.38	397.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	238.44	
26 24 16 00-0385 EA 600 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,737.99	396.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	237.80	
26 24 16 00-0386 EA 800 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,600.02	529.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	317.92	
26 24 16 00-0387 EA 800 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,931.57	527.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	316.79	
26 24 16 00-0388 EA 800 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,261.46	527.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	316.79	
26 24 16 00-0389 Branch Circuit Breakers <small>(26 24 16 00-0001)</small>		
<i>Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.</i>		
26 24 16 00-0390 Branch Circuit Breakers 10,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
<i>Note: Includes connection of electrical wire.</i>		
26 24 16 00-0391 EA 1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	34.09	12.62
<i>For Bolt-On, Add</i>	9.17	
<i>For Installation In New Panelboard, Deduct</i>	-7.01	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.42	
26 24 16 00-0392 EA 1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	34.09	12.62
<i>For Bolt-On, Add</i>	9.17	
<i>For Installation In New Panelboard, Deduct</i>	-7.01	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.42	
26 24 16 00-0393 EA 1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	49.01	15.78
<i>For Bolt-On, Add</i>	12.26	
<i>For Installation In New Panelboard, Deduct</i>	-8.77	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.52	
26 24 16 00-0394 EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	71.57	15.43
<i>For Bolt-On, Add</i>	14.84	
<i>For Installation In New Panelboard, Deduct</i>	-8.42	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.10	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0395	EA		1 Pole GFI, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amp Interrupting Capacity.....	98.97	15.43
			<i>For Bolt-On, Add</i>	18.26	
			<i>For Installation In New Panelboard, Deduct</i>	-8.42	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.10	
26 24 16 00-0396	EA		1 Pole GFI, 120/240 Volt, 15-30 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity.....	114.59	15.43
			<i>For Bolt-On, Add</i>	20.22	
			<i>For Installation In New Panelboard, Deduct</i>	-8.42	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.10	
26 24 16 00-0397	EA		1 Pole GFI, 120/240 Volt, 15-20 Amp, "Arc Fault" Circuit Breaker, 10,000 Amp Interrupting Capacity.....	56.47	15.43
			<i>For Bolt-On, Add</i>	12.95	
			<i>For Installation In New Panelboard, Deduct</i>	-8.42	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.10	
26 24 16 00-0398	EA		2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	56.03	18.94
			<i>For Bolt-On, Add</i>	14.37	
			<i>For Installation In New Panelboard, Deduct</i>	-10.52	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.63	
26 24 16 00-0399	EA		2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	56.03	18.94
			<i>For Bolt-On, Add</i>	14.37	
			<i>For Installation In New Panelboard, Deduct</i>	-10.52	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.63	
26 24 16 00-0400	EA		2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	84.00	25.26
			<i>For Bolt-On, Add</i>	20.32	
			<i>For Installation In New Panelboard, Deduct</i>	-14.03	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.84	
26 24 16 00-0401	EA		2 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	137.53	31.56
			<i>For Bolt-On, Add</i>	29.47	
			<i>For Installation In New Panelboard, Deduct</i>	-17.54	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.05	
26 24 16 00-0402	EA		2 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	161.72	35.07
			<i>For Bolt-On, Add</i>	33.72	
			<i>For Installation In New Panelboard, Deduct</i>	-19.29	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.15	
26 24 16 00-0403	EA		2 Pole GFI, 120/240 Volt, 15-50 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	136.09	22.45
			<i>For Bolt-On, Add</i>	25.85	
			<i>For Installation In New Panelboard, Deduct</i>	-12.63	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.15	
26 24 16 00-0404	EA		2 Pole, GFI, 120/240 Volt, 15-50 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity.....	180.91	22.45
			<i>For Bolt-On, Add</i>	31.45	
			<i>For Installation In New Panelboard, Deduct</i>	-12.63	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.15	
26 24 16 00-0405	EA		3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	104.90	25.26
			<i>For Bolt-On, Add</i>	22.93	
			<i>For Installation In New Panelboard, Deduct</i>	-14.03	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.84	
26 24 16 00-0406	EA		3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	104.90	25.26
			<i>For Bolt-On, Add</i>	22.93	
			<i>For Installation In New Panelboard, Deduct</i>	-14.03	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.84	
26 24 16 00-0407	EA		3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	137.26	31.56
			<i>For Bolt-On, Add</i>	29.43	
			<i>For Installation In New Panelboard, Deduct</i>	-17.54	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.05	
26 24 16 00-0408	EA		3 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	206.09	37.88
			<i>For Bolt-On, Add</i>	40.49	
			<i>For Installation In New Panelboard, Deduct</i>	-21.04	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.25	
26 24 16 00-0409	EA		3 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	262.29	44.19
			<i>For Bolt-On, Add</i>	49.97	
			<i>For Installation In New Panelboard, Deduct</i>	-24.55	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.46	

26 24 16 00-0410 Branch Circuit Breakers 14,000 Amp Interrupting Capacity, Plug-On (26 24 16 00-0389)
 Note: Includes connection of electrical wire.



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0411	EA	1 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		.....	48.29	12.62
		<i>For Bolt-On, Add</i>			10.95	
		<i>For Installation In New Panelboard, Deduct</i>			-7.01	
		<i>Note: Also for use with new interiors in panelboards.</i>				
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>			8.42	
26 24 16 00-0412	EA	1 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		.....	48.29	12.62
		<i>For Bolt-On, Add</i>			10.95	
		<i>For Installation In New Panelboard, Deduct</i>			-7.01	
		<i>Note: Also for use with new interiors in panelboards.</i>				
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>			8.42	
26 24 16 00-0413	EA	1 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		.....	85.30	15.78
		<i>For Bolt-On, Add</i>			16.80	
		<i>For Installation In New Panelboard, Deduct</i>			-8.77	
		<i>Note: Also for use with new interiors in panelboards.</i>				
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>			10.52	
26 24 16 00-0414	EA	1 Pole GFI, 277/480 Volt, 15-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		.....	129.97	15.43
		<i>For Bolt-On, Add</i>			22.14	
		<i>For Installation In New Panelboard, Deduct</i>			-8.42	
		<i>Note: Also for use with new interiors in panelboards.</i>				
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>			10.10	
26 24 16 00-0415	EA	2 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		.....	93.40	18.94
		<i>For Bolt-On, Add</i>			19.04	
		<i>For Installation In New Panelboard, Deduct</i>			-10.52	
		<i>Note: Also for use with new interiors in panelboards.</i>				
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>			12.63	
26 24 16 00-0416	EA	2 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		.....	93.40	18.94
		<i>For Bolt-On, Add</i>			19.04	
		<i>For Installation In New Panelboard, Deduct</i>			-10.52	
		<i>Note: Also for use with new interiors in panelboards.</i>				
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>			12.63	
26 24 16 00-0417	EA	2 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		.....	182.20	25.26
		<i>For Bolt-On, Add</i>			32.60	
		<i>For Installation In New Panelboard, Deduct</i>			-14.03	
		<i>Note: Also for use with new interiors in panelboards.</i>				
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>			16.84	
26 24 16 00-0418	EA	2 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		.....	247.81	31.56
		<i>For Bolt-On, Add</i>			43.25	
		<i>For Installation In New Panelboard, Deduct</i>			-17.54	
		<i>Note: Also for use with new interiors in panelboards.</i>				
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>			21.05	
26 24 16 00-0419	EA	2 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		.....	362.45	35.07
		<i>For Bolt-On, Add</i>			58.81	
		<i>For Installation In New Panelboard, Deduct</i>			-19.29	
		<i>Note: Also for use with new interiors in panelboards.</i>				
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>			23.15	
26 24 16 00-0420	EA	3 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		.....	148.27	25.26
		<i>For Bolt-On, Add</i>			28.35	
		<i>For Installation In New Panelboard, Deduct</i>			-14.03	
		<i>Note: Also for use with new interiors in panelboards.</i>				
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>			16.84	
26 24 16 00-0421	EA	3 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		.....	148.27	25.26
		<i>For Bolt-On, Add</i>			28.35	
		<i>For Installation In New Panelboard, Deduct</i>			-14.03	
		<i>Note: Also for use with new interiors in panelboards.</i>				
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>			16.84	
26 24 16 00-0422	EA	3 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		.....	220.84	31.56
		<i>For Bolt-On, Add</i>			39.88	
		<i>For Installation In New Panelboard, Deduct</i>			-17.54	
		<i>Note: Also for use with new interiors in panelboards.</i>				
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>			21.05	
26 24 16 00-0423	EA	3 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		.....	313.15	37.88
		<i>For Bolt-On, Add</i>			53.87	
		<i>For Installation In New Panelboard, Deduct</i>			-21.04	
		<i>Note: Also for use with new interiors in panelboards.</i>				
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>			25.25	
26 24 16 00-0424	EA	3 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		.....	482.80	44.19
		<i>For Bolt-On, Add</i>			77.54	
		<i>For Installation In New Panelboard, Deduct</i>			-24.55	
		<i>Note: Also for use with new interiors in panelboards.</i>				
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>			29.46	
26 24 16 00-0425	EA	3 Pole, 277/480 Volt, 175 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		.....	556.64	47.35
		<i>For Bolt-On, Add</i>			87.99	
		<i>For Installation In New Panelboard, Deduct</i>			-26.31	
		<i>Note: Also for use with new interiors in panelboards.</i>				
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>			31.57	
26 24 16 00-0426	EA	3 Pole, 277/480 Volt, 200 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		.....	597.96	50.50
		<i>For Bolt-On, Add</i>			94.39	
		<i>For Installation In New Panelboard, Deduct</i>			-28.06	
		<i>Note: Also for use with new interiors in panelboards.</i>				
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>			33.67	
26 24 16 00-0427	EA	3 Pole, 277/480 Volt, 225 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		.....	706.69	53.66
		<i>For Bolt-On, Add</i>			109.21	
		<i>For Installation In New Panelboard, Deduct</i>			-29.81	
		<i>Note: Also for use with new interiors in panelboards.</i>				
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>			35.78	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0428 Branch Circuit Breakers 18,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0429 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	57.62	12.62
For Bolt-On, Add	12.11	
For Installation In New Panelboard, Deduct	-7.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.42	
26 24 16 00-0430 EA 1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	57.62	12.62
For Bolt-On, Add	12.11	
For Installation In New Panelboard, Deduct	-7.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.42	
26 24 16 00-0431 EA 1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	94.52	15.78
For Bolt-On, Add	17.95	
For Installation In New Panelboard, Deduct	-8.77	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.52	
26 24 16 00-0432 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	117.72	18.94
For Bolt-On, Add	22.08	
For Installation In New Panelboard, Deduct	-10.52	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.63	
26 24 16 00-0433 EA 2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	117.72	18.94
For Bolt-On, Add	22.08	
For Installation In New Panelboard, Deduct	-10.52	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.63	
26 24 16 00-0434 EA 2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	205.52	25.26
For Bolt-On, Add	35.51	
For Installation In New Panelboard, Deduct	-14.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.84	
26 24 16 00-0435 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	522.70	31.56
For Bolt-On, Add	77.61	
For Installation In New Panelboard, Deduct	-17.54	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.05	
26 24 16 00-0436 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	188.40	25.26
For Bolt-On, Add	33.37	
For Installation In New Panelboard, Deduct	-14.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.84	
26 24 16 00-0437 EA 3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	188.40	25.26
For Bolt-On, Add	33.37	
For Installation In New Panelboard, Deduct	-14.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.84	
26 24 16 00-0438 EA 3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	250.05	31.56
For Bolt-On, Add	43.53	
For Installation In New Panelboard, Deduct	-17.54	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.05	
26 24 16 00-0439 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	646.90	37.88
For Bolt-On, Add	95.59	
For Installation In New Panelboard, Deduct	-21.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.25	
26 24 16 00-0440 Branch Circuit Breakers 22,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0441 EA 1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	65.54	12.62
For Bolt-On, Add	13.10	
For Installation In New Panelboard, Deduct	-7.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.42	
26 24 16 00-0442 EA 1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	65.54	12.62
For Bolt-On, Add	13.10	
For Installation In New Panelboard, Deduct	-7.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.42	
26 24 16 00-0443 EA 1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	77.37	15.78
For Bolt-On, Add	15.81	
For Installation In New Panelboard, Deduct	-8.77	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.52	
26 24 16 00-0444 EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	128.91	15.43
For Bolt-On, Add	22.01	
For Installation In New Panelboard, Deduct	-8.42	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0445 EA 2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	138.39	18.94
For Bolt-On, Add	24.66	
For Installation In New Panelboard, Deduct	-10.52	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.63	
26 24 16 00-0446 EA 2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	138.39	18.94
For Bolt-On, Add	24.66	
For Installation In New Panelboard, Deduct	-10.52	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.63	
26 24 16 00-0447 EA 2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	168.07	25.26
For Bolt-On, Add	30.83	
For Installation In New Panelboard, Deduct	-14.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.84	
26 24 16 00-0448 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	241.77	31.56
For Bolt-On, Add	42.50	
For Installation In New Panelboard, Deduct	-17.54	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.05	
26 24 16 00-0449 EA 2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	312.07	35.07
For Bolt-On, Add	52.51	
For Installation In New Panelboard, Deduct	-19.29	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.15	
26 24 16 00-0450 EA 2 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	389.38	41.04
For Bolt-On, Add	64.63	
For Installation In New Panelboard, Deduct	-22.80	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.36	
26 24 16 00-0451 EA 2 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	420.44	47.35
For Bolt-On, Add	70.97	
For Installation In New Panelboard, Deduct	-26.31	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.57	
26 24 16 00-0452 EA 3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	168.41	25.26
For Bolt-On, Add	30.87	
For Installation In New Panelboard, Deduct	-14.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.84	
26 24 16 00-0453 EA 3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	168.41	25.26
For Bolt-On, Add	30.87	
For Installation In New Panelboard, Deduct	-14.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.84	
26 24 16 00-0454 EA 3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	197.75	31.56
For Bolt-On, Add	37.00	
For Installation In New Panelboard, Deduct	-17.54	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.05	
26 24 16 00-0455 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	299.47	37.88
For Bolt-On, Add	52.16	
For Installation In New Panelboard, Deduct	-21.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.25	
26 24 16 00-0456 EA 3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	392.99	49.10
For Bolt-On, Add	68.15	
For Installation In New Panelboard, Deduct	-27.18	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.62	
26 24 16 00-0457 EA 3 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	485.15	56.82
For Bolt-On, Add	82.74	
For Installation In New Panelboard, Deduct	-31.57	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.88	
26 24 16 00-0458 EA 3 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	515.90	60.33
For Bolt-On, Add	87.81	
For Installation In New Panelboard, Deduct	-33.32	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.98	
26 24 16 00-0459 Branch Circuit Breakers 25,000 Amp Interrupting Capacity, Plug-On (26 24 16 00-0389)		
Note: Includes connection of electrical wire.		
26 24 16 00-0460 EA 2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	143.55	18.94
For Bolt-On, Add	25.31	
For Installation In New Panelboard, Deduct	-10.52	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.63	
26 24 16 00-0461 EA 2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	143.55	18.94
For Bolt-On, Add	25.31	
For Installation In New Panelboard, Deduct	-10.52	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.63	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0462 EA 2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	217.99	25.26
For Bolt-On, Add	37.07	
For Installation In New Panelboard, Deduct	-14.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.84	
26 24 16 00-0463 EA 2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	353.33	31.56
For Bolt-On, Add	56.44	
For Installation In New Panelboard, Deduct	-17.54	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.05	
26 24 16 00-0464 EA 2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	549.60	39.28
For Bolt-On, Add	84.04	
For Installation In New Panelboard, Deduct	-21.92	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.30	
26 24 16 00-0465 EA 2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	622.68	41.04
For Bolt-On, Add	93.79	
For Installation In New Panelboard, Deduct	-22.80	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.36	
26 24 16 00-0466 EA 2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	680.60	47.35
For Bolt-On, Add	103.49	
For Installation In New Panelboard, Deduct	-26.31	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.57	
26 24 16 00-0467 EA 3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	206.14	25.26
For Bolt-On, Add	35.59	
For Installation In New Panelboard, Deduct	-14.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.84	
26 24 16 00-0468 EA 3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	206.14	25.26
For Bolt-On, Add	35.59	
For Installation In New Panelboard, Deduct	-14.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.84	
26 24 16 00-0469 EA 3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	259.65	31.56
For Bolt-On, Add	44.73	
For Installation In New Panelboard, Deduct	-17.54	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.05	
26 24 16 00-0470 EA 3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	439.42	37.88
For Bolt-On, Add	69.66	
For Installation In New Panelboard, Deduct	-21.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.25	
26 24 16 00-0471 EA 3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	641.71	49.10
For Bolt-On, Add	99.24	
For Installation In New Panelboard, Deduct	-27.18	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.62	
26 24 16 00-0472 EA 3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	757.92	56.82
For Bolt-On, Add	116.84	
For Installation In New Panelboard, Deduct	-31.57	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.88	
26 24 16 00-0473 EA 3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	819.87	60.33
For Bolt-On, Add	125.81	
For Installation In New Panelboard, Deduct	-33.32	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.98	
26 24 16 00-0474 Branch Circuit Breakers 30,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0475 EA 2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	148.69	18.94
For Bolt-On, Add	25.95	
For Installation In New Panelboard, Deduct	-10.52	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.63	
26 24 16 00-0476 EA 2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	148.69	18.94
For Bolt-On, Add	25.95	
For Installation In New Panelboard, Deduct	-10.52	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.63	
26 24 16 00-0477 EA 2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	265.36	25.26
For Bolt-On, Add	42.99	
For Installation In New Panelboard, Deduct	-14.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.84	
26 24 16 00-0478 EA 2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	484.69	31.56
For Bolt-On, Add	72.86	
For Installation In New Panelboard, Deduct	-17.54	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.05	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0479	EA		2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	766.74	39.28
			<i>For Bolt-On, Add</i>	111.19	
			<i>For Installation In New Panelboard, Deduct</i>	-21.92	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.30	
26 24 16 00-0480	EA		2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	872.42	41.04
			<i>For Bolt-On, Add</i>	125.01	
			<i>For Installation In New Panelboard, Deduct</i>	-22.80	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.36	
26 24 16 00-0481	EA		2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	950.09	47.35
			<i>For Bolt-On, Add</i>	137.17	
			<i>For Installation In New Panelboard, Deduct</i>	-26.31	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.57	
26 24 16 00-0482	EA		3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	241.68	25.26
			<i>For Bolt-On, Add</i>	40.03	
			<i>For Installation In New Panelboard, Deduct</i>	-14.03	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.84	
26 24 16 00-0483	EA		3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	241.68	25.26
			<i>For Bolt-On, Add</i>	40.03	
			<i>For Installation In New Panelboard, Deduct</i>	-14.03	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.84	
26 24 16 00-0484	EA		3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	321.24	31.56
			<i>For Bolt-On, Add</i>	52.43	
			<i>For Installation In New Panelboard, Deduct</i>	-17.54	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.05	
26 24 16 00-0485	EA		3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	589.51	37.88
			<i>For Bolt-On, Add</i>	88.42	
			<i>For Installation In New Panelboard, Deduct</i>	-21.04	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.25	
26 24 16 00-0486	EA		3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	744.89	49.10
			<i>For Bolt-On, Add</i>	112.14	
			<i>For Installation In New Panelboard, Deduct</i>	-27.18	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.62	
26 24 16 00-0487	EA		3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	1,186.70	56.82
			<i>For Bolt-On, Add</i>	170.43	
			<i>For Installation In New Panelboard, Deduct</i>	-31.57	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.88	
26 24 16 00-0488	EA		3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	1,263.83	60.33
			<i>For Bolt-On, Add</i>	181.30	
			<i>For Installation In New Panelboard, Deduct</i>	-33.32	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.98	
26 24 16 00-0489			Branch Circuit Breakers 35,000 Amp Interrupting Capacity, Plug-On (26 24 16 00-0389)		
			<i>Note: Includes connection of electrical wire.</i>		
26 24 16 00-0490	EA		1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	78.47	12.62
			<i>For Bolt-On, Add</i>	14.72	
			<i>For Installation In New Panelboard, Deduct</i>	-7.01	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.42	
26 24 16 00-0491	EA		1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	78.47	12.62
			<i>For Bolt-On, Add</i>	14.72	
			<i>For Installation In New Panelboard, Deduct</i>	-7.01	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.42	
26 24 16 00-0492	EA		1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	135.29	15.78
			<i>For Bolt-On, Add</i>	23.05	
			<i>For Installation In New Panelboard, Deduct</i>	-8.77	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.52	
26 24 16 00-0493	EA		2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	169.70	18.94
			<i>For Bolt-On, Add</i>	28.58	
			<i>For Installation In New Panelboard, Deduct</i>	-10.52	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.63	
26 24 16 00-0494	EA		2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	169.70	18.94
			<i>For Bolt-On, Add</i>	28.58	
			<i>For Installation In New Panelboard, Deduct</i>	-10.52	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.63	
26 24 16 00-0495	EA		2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	308.85	25.26
			<i>For Bolt-On, Add</i>	48.43	
			<i>For Installation In New Panelboard, Deduct</i>	-14.03	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.84	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0496 EA 2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	571.55	31.56
For Bolt-On, Add	83.72	
For Installation In New Panelboard, Deduct	-17.54	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.05	
26 24 16 00-0497 EA 2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	1,109.80	39.28
For Bolt-On, Add	154.07	
For Installation In New Panelboard, Deduct	-21.92	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.30	
26 24 16 00-0498 EA 3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	279.59	25.26
For Bolt-On, Add	44.77	
For Installation In New Panelboard, Deduct	-14.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.84	
26 24 16 00-0499 EA 3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	279.59	25.26
For Bolt-On, Add	44.77	
For Installation In New Panelboard, Deduct	-14.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.84	
26 24 16 00-0500 EA 3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	373.92	31.56
For Bolt-On, Add	59.02	
For Installation In New Panelboard, Deduct	-17.54	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.05	
26 24 16 00-0501 EA 3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	704.01	37.88
For Bolt-On, Add	102.73	
For Installation In New Panelboard, Deduct	-21.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.25	
26 24 16 00-0502 EA 3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	1,379.85	49.10
For Bolt-On, Add	191.51	
For Installation In New Panelboard, Deduct	-27.18	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.62	
26 24 16 00-0503 Branch Circuit Breakers 42,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0504 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	114.91	12.62
For Bolt-On, Add	19.27	
For Installation In New Panelboard, Deduct	-7.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.42	
26 24 16 00-0505 EA 1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	114.91	12.62
For Bolt-On, Add	19.27	
For Installation In New Panelboard, Deduct	-7.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.42	
26 24 16 00-0506 EA 1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	174.04	15.78
For Bolt-On, Add	27.89	
For Installation In New Panelboard, Deduct	-8.77	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.52	
26 24 16 00-0507 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	211.85	18.94
For Bolt-On, Add	33.85	
For Installation In New Panelboard, Deduct	-10.52	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.63	
26 24 16 00-0508 EA 2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	211.85	18.94
For Bolt-On, Add	33.85	
For Installation In New Panelboard, Deduct	-10.52	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.63	
26 24 16 00-0509 EA 2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	399.60	25.26
For Bolt-On, Add	59.77	
For Installation In New Panelboard, Deduct	-14.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.84	
26 24 16 00-0510 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	725.52	31.56
For Bolt-On, Add	102.97	
For Installation In New Panelboard, Deduct	-17.54	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.05	
26 24 16 00-0511 EA 2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	1,447.12	35.07
For Bolt-On, Add	194.39	
For Installation In New Panelboard, Deduct	-19.29	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.15	
26 24 16 00-0512 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	364.06	25.26
For Bolt-On, Add	55.33	
For Installation In New Panelboard, Deduct	-14.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0513 EA 3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	364.06	25.26
For Bolt-On, Add	55.33	
For Installation In New Panelboard, Deduct	-14.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.84	
26 24 16 00-0514 EA 3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	504.43	31.56
For Bolt-On, Add	75.33	
For Installation In New Panelboard, Deduct	-17.54	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.05	
26 24 16 00-0515 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	818.50	37.88
For Bolt-On, Add	117.04	
For Installation In New Panelboard, Deduct	-21.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.25	
26 24 16 00-0516 EA 3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	1,826.11	49.10
For Bolt-On, Add	247.29	
For Installation In New Panelboard, Deduct	-27.18	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.62	
26 24 16 00-0517 Branch Circuit Breakers 65,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0518 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	52.02	12.62
For Bolt-On, Add	11.41	
For Installation In New Panelboard, Deduct	-7.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.42	
26 24 16 00-0519 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	109.63	18.94
For Bolt-On, Add	21.07	
For Installation In New Panelboard, Deduct	-10.52	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.63	
26 24 16 00-0520 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	173.77	25.26
For Bolt-On, Add	31.54	
For Installation In New Panelboard, Deduct	-14.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.84	
26 24 16 00-0521 EA 1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	108.66	12.62
For Bolt-On, Add	18.49	
For Installation In New Panelboard, Deduct	-7.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.42	
26 24 16 00-0522 EA 1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	108.66	12.62
For Bolt-On, Add	18.49	
For Installation In New Panelboard, Deduct	-7.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.42	
26 24 16 00-0523 EA 1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	216.41	25.26
For Bolt-On, Add	36.87	
For Installation In New Panelboard, Deduct	-14.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.84	
26 24 16 00-0524 EA 2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	246.58	18.94
For Bolt-On, Add	38.19	
For Installation In New Panelboard, Deduct	-10.52	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.63	
26 24 16 00-0525 EA 2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	246.58	18.94
For Bolt-On, Add	38.19	
For Installation In New Panelboard, Deduct	-10.52	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.63	
26 24 16 00-0526 EA 2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	477.85	25.26
For Bolt-On, Add	69.55	
For Installation In New Panelboard, Deduct	-14.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.84	
26 24 16 00-0527 EA 2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	812.37	31.56
For Bolt-On, Add	113.82	
For Installation In New Panelboard, Deduct	-17.54	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.05	
26 24 16 00-0528 EA 2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	1,791.73	39.28
For Bolt-On, Add	239.31	
For Installation In New Panelboard, Deduct	-21.92	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.30	
26 24 16 00-0529 EA 3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	413.74	25.26
For Bolt-On, Add	61.54	
For Installation In New Panelboard, Deduct	-14.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.84	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0530 EA 3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	413.74	25.26
<i>For Bolt-On, Add</i>	61.54	
<i>For Installation In New Panelboard, Deduct</i>	-14.03	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.84	
26 24 16 00-0531 EA 3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	576.54	31.56
<i>For Bolt-On, Add</i>	84.34	
<i>For Installation In New Panelboard, Deduct</i>	-17.54	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.05	
26 24 16 00-0532 EA 3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	881.67	37.88
<i>For Bolt-On, Add</i>	124.94	
<i>For Installation In New Panelboard, Deduct</i>	-21.04	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.25	
26 24 16 00-0533 EA 3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	2,227.98	49.10
<i>For Bolt-On, Add</i>	297.53	
<i>For Installation In New Panelboard, Deduct</i>	-27.18	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.62	
26 24 16 00-0534 Residential Lighting And Power Panelboards (26 24 16 00-0001)		
26 24 16 00-0535 Residential Type Unassembled Load Center (26 24 16 00-0534)		
<i>Note: Interior box and cover, includes ground bar kit.</i>		
26 24 16 00-0536 Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC (26 24 16 00-0535)		
<i>Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta.</i>		
26 24 16 00-0537 EA 60 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	142.85	38.58
26 24 16 00-0538 EA 125 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	266.99	42.09
26 24 16 00-0539 Main Lug Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof (26 24 16 00-0535)		
26 24 16 00-0540 EA 40 Amp, 2 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	145.54	38.58
26 24 16 00-0541 EA 70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	162.72	42.09
26 24 16 00-0542 EA 100 Amp, 8 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	548.66	200.27
26 24 16 00-0543 EA 150 Amp, 30 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	1,243.79	455.95
26 24 16 00-0544 Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC (26 24 16 00-0535)		
<i>Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.</i>		
26 24 16 00-0545 EA 60 A, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	183.77	38.58
26 24 16 00-0546 EA 125 A, 20 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled	1,210.56	420.94
26 24 16 00-0547 Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase (26 24 16 00-0535)		
26 24 16 00-0548 EA 125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	1,315.65	420.94
26 24 16 00-0549 EA 150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	1,428.48	455.95
26 24 16 00-0550 EA 300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	5,394.34	701.45
26 24 16 00-0551 Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC (26 24 16 00-0535)		
<i>Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V Delta.</i>		
26 24 16 00-0552 EA 125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	1,994.56	420.94
26 24 16 00-0553 EA 150 Amp, 40 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	2,176.95	455.95
26 24 16 00-0554 EA 300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	5,965.59	701.45
26 24 16 00-0555 Main Breaker Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof (26 24 16 00-0535)		
26 24 16 00-0556 EA 125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	1,391.63	420.94
26 24 16 00-0557 EA 150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	1,558.23	455.95
26 24 16 00-0558 Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC (26 24 16 00-0535)		
<i>Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.</i>		
26 24 16 00-0559 EA 125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled	2,120.57	420.94
26 24 16 00-0560 EA 155 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled	2,190.62	455.95
26 24 16 00-0561 Residential Type Assembled Load Center (26 24 16 00-0534)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0562 Main Lug Load Center, 4 Wire, 20 Amp, 120/208 V <small>(26 24 16 00-0561)</small>		
<i>Note: Includes 1 pole plug-in breaker.</i>		
26 24 16 00-0563 EA 125 Amp Main Lugs, Indoor, 12 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	672.45	233.94
26 24 16 00-0564 EA 125 Amp Main Lugs, Indoor, 18 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,001.86	350.73
26 24 16 00-0565 EA 125 Amp Main Lugs, Rainproof, 12 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	711.03	233.94
26 24 16 00-0566 EA 125 Amp Main Lugs, Rainproof, 18 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,036.93	350.73
26 24 16 00-0567 EA 200 Amp Main Lugs, Indoor, 24 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,272.56	431.74
26 24 16 00-0568 EA 200 Amp Main Lugs, Indoor, 30 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,391.15	467.66
26 24 16 00-0569 EA 200 Amp Main Lugs, Indoor, 36 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,707.15	561.37
26 24 16 00-0570 EA 200 Amp Main Lugs, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,039.98	701.45
26 24 16 00-0571 EA 200 Amp Main Lugs, Rainproof, 24 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,313.47	431.74
26 24 16 00-0572 EA 200 Amp Main Lugs, Rainproof, 30 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,437.41	467.38
26 24 16 00-0573 EA 200 Amp Main Lugs, Rainproof, 36 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,864.24	560.95
26 24 16 00-0574 EA 200 Amp Main Lugs, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,197.78	701.45
26 24 16 00-0575 EA 400 Amp Main Lugs, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,523.16	779.39
26 24 16 00-0576 EA 400 Amp Main Lugs, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,663.43	779.39
26 24 16 00-0577 Main Breaker Load Center, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase <small>(26 24 16 00-0561)</small>		
<i>Note: Includes 1 pole plug-in breaker.</i>		
26 24 16 00-0578 EA 125 Amp Main Breaker, Indoor, 12 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	667.78	233.94
26 24 16 00-0579 EA 125 Amp Main Breaker, Indoor, 18 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	985.50	350.73
26 24 16 00-0580 EA 200 Amp Main Breaker, Indoor, 20 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,151.74	374.23
26 24 16 00-0581 EA 200 Amp Main Breaker, Indoor, 24 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,319.74	431.95
26 24 16 00-0582 EA 200 Amp Main Breaker, Indoor, 30 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,455.44	467.66
26 24 16 00-0583 EA 200 Amp Main Breaker, Indoor, 40 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,925.23	623.59
26 24 16 00-0584 EA 200 Amp Main Breaker, Rainproof, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,163.43	374.23
26 24 16 00-0585 EA 200 Amp Main Breaker, Rainproof, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,342.69	431.74
26 24 16 00-0586 EA 200 Amp Main Breaker, Rainproof, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,460.79	467.38
26 24 16 00-0587 EA 200 Amp Main Breaker, Rainproof, 40 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,860.94	623.59
26 24 16 00-0588 EA 400 Amp Main Breaker, Indoor, 42 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	3,692.09	779.39
26 24 16 00-0589 EA 400 Amp Main Breaker, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	3,925.87	779.39
26 24 16 00-0590 Main Breaker Load Center, 4 Wire, 20 Amp, 120/208 V <small>(26 24 16 00-0561)</small>		
<i>Note: Includes 1 pole plug-in breaker.</i>		
26 24 16 00-0591 EA 200 Amp Main Breaker, Indoor, 30 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,782.74	467.66
26 24 16 00-0592 EA 200 Amp Main Breaker, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,414.03	701.45
26 24 16 00-0593 EA 200 Amp Main Breaker, Rainproof, 30 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,852.38	467.38
26 24 16 00-0594 EA 200 Amp Main Breaker, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,484.17	701.45
26 24 16 00-0595 Panel Mounted Accessories And Fuseholders <small>(26 24 16 00-0001)</small>		
26 24 16 00-0596 Midget Finger-Safe Fuse Holders <small>(26 24 16 00-0595)</small>		
<i>Note: 30 Amp capacity. Excludes fuse.</i>		
26 24 16 00-0597 EA 1 Pole Midget Finger-Safe Fuse Holder	42.74	12.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
EA 1 Pole With Indicator Midget Finger-Safe Fuse Holder	8.42	
26 24 16 00-0598 EA 1 Pole With Indicator Midget Finger-Safe Fuse Holder	49.70	12.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
EA 2 Pole Midget Finger-Safe Fuse Holder	68.55	18.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
EA 2 Pole With Indicators Midget Finger-Safe Fuse Holder	12.63	
26 24 16 00-0600 EA 2 Pole With Indicators Midget Finger-Safe Fuse Holder	86.72	18.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
EA 3 Pole Midget Finger-Safe Fuse Holder	12.63	
26 24 16 00-0601 EA 3 Pole Midget Finger-Safe Fuse Holder	99.99	25.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
EA 3 Pole With Indicators Midget Finger-Safe Fuse Holder	16.84	
26 24 16 00-0602 EA 3 Pole With Indicators Midget Finger-Safe Fuse Holder	124.12	25.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	16.84	
26 24 16 00-0603 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	144.30	25.26
<i>Note: With indicators.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	16.84	
26 24 16 00-0604 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	117.55	25.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
EA 4 Pole Midget Finger-Safe Fuse Holder	16.84	
26 24 16 00-0605 EA 4 Pole Midget Finger-Safe Fuse Holder	125.86	31.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
EA 4 Pole With Indicator Midget Finger-Safe Fuse Holder	21.05	
26 24 16 00-0606 EA 4 Pole With Indicator Midget Finger-Safe Fuse Holder	152.36	31.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
EA 12 To 24 Volt DC Midget Finger-Safe Fuse Holder	21.05	
26 24 16 00-0607 EA 12 To 24 Volt DC Midget Finger-Safe Fuse Holder	49.73	12.62
<i>Note: With indicator.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
EA 20 To 24 Volt DC Midget Finger-Safe Fuse Holder	8.42	
26 24 16 00-0608 EA 20 To 24 Volt DC Midget Finger-Safe Fuse Holder	53.42	12.62
<i>Note: With indicator.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
EA 35 To 48 Volt DC Midget Finger-Safe Fuse Holder	8.42	
26 24 16 00-0609 EA 35 To 48 Volt DC Midget Finger-Safe Fuse Holder	50.41	12.62
<i>Note: With indicator.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
EA 35 To 48 Volt DC Midget Finger-Safe Fuse Holder	8.42	
26 24 16 00-0610 Removal And Reinstallation Of Panelboards <small>(26 24 16 00-0001)</small>		
<i>Note: Includes storage, cleaning and supply materials.</i>		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0611 EA Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers.....	881.53	
Note: Includes removal and reinstallation of main wiring to panelboard.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	263.05	
26 24 16 00-0612 EA Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage.....	46.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.68	
26 24 16 00-0613 EA Panelboard Filler Plate, Fits 1" Opening.....	3.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.66	
26 24 19 Motor-Control Centers (26 24)		
26 24 19 00-0001 Combination Starters With Molded Case Circuit Breakers (26 24 19)		
Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.		
26 24 19 00-0002 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)		
Note: 1-Speed non-reversing.		
26 24 19 00-0003 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit	1,886.06	64.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.48	
26 24 19 00-0004 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit	2,239.99	67.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.40	
26 24 19 00-0005 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit	3,355.14	70.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.32	
26 24 19 00-0006 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	6,114.96	83.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.02	
26 24 19 00-0007 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	12,368.31	96.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.72	
26 24 19 00-0008 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	20,833.49	128.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.96	
26 24 19 00-0009 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)		
Note: 1-Speed non-reversing.		
26 24 19 00-0010 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit	1,886.06	64.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.48	
26 24 19 00-0011 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit	2,239.99	67.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.40	
26 24 19 00-0012 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	3,355.14	70.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.32	
26 24 19 00-0013 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	6,114.96	83.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.02	
26 24 19 00-0014 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	12,368.31	96.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.72	
26 24 19 00-0015 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit	20,833.49	128.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.96	
26 24 19 00-0016 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)		
Note: 1-Speed reversing.		
26 24 19 00-0017 EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit.....	2,753.93	64.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.48	
26 24 19 00-0018 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit	3,683.37	67.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.40	
26 24 19 00-0019 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit	5,298.65	70.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.32	
26 24 19 00-0020 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	9,299.60	83.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.02	
26 24 19 00-0021 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	18,353.30	96.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.72	
26 24 19 00-0022 EA 230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	31,656.12	128.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.96	
26 24 19 00-0023 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)		
Note: 1-Speed reversing.		
26 24 19 00-0024 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit	2,753.93	64.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.48	
26 24 19 00-0025 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit	3,683.37	67.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.40	
26 24 19 00-0026 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	5,298.65	70.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.32	
26 24 19 00-0027 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	9,299.60	83.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.02	
26 24 19 00-0028 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	18,353.30	96.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.72	
26 24 19 00-0029 EA 480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit	31,656.12	128.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.96	
26 24 19 00-0030 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)		
Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	3,332.84	102.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0032 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,607.02 65.41	109.02
26 24 19 00-0033 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,815.26 69.26	115.43
26 24 19 00-0034 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,232.91 78.88	131.47
26 24 19 00-0035 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,311.11 92.35	153.91
26 24 19 00-0036 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,332.84 61.56	102.60
26 24 19 00-0038 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,607.02 65.41	109.02
26 24 19 00-0039 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,815.26 69.26	115.43
26 24 19 00-0040 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,232.91 78.88	131.47
26 24 19 00-0041 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,311.11 92.35	153.91
26 24 19 00-0042 230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,888.42 38.48	64.12
26 24 19 00-0044 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,807.08 40.40	67.33
26 24 19 00-0045 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,964.78 42.32	70.54
26 24 19 00-0046 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,997.75 50.02	83.36
26 24 19 00-0047 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,018.87 57.72	96.19
26 24 19 00-0048 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,888.42 38.48	64.12
26 24 19 00-0050 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,807.08 40.40	67.33
26 24 19 00-0051 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,964.78 42.32	70.54
26 24 19 00-0052 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,997.75 50.02	83.36
26 24 19 00-0053 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,018.87 57.72	96.19
26 24 19 00-0054 230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0055 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit.....	5,770.31	67.33
26 24 19 00-0056 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit.....	8,855.62	73.74
26 24 19 00-0057 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit.....	14,955.46	83.36
26 24 19 00-0058 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit.....	23,157.84	96.19
26 24 19 00-0059 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit.....	39,643.46	128.26
26 24 19 00-0060 480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0061 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit.....	5,770.31	67.33
26 24 19 00-0062 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit.....	8,855.62	73.74
26 24 19 00-0063 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit.....	14,955.46	83.36
26 24 19 00-0064 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit.....	23,157.84	96.19
26 24 19 00-0065 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit.....	39,643.46	128.26
26 24 19 00-0066 230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, part winding.		
26 24 19 00-0067 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,901.00 61.56	102.60
26 24 19 00-0068 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,049.17 71.18	118.64
26 24 19 00-0069 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,932.43 78.88	131.47
26 24 19 00-0070 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,269.33 96.19	160.33
26 24 19 00-0071 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,987.41 123.13	205.21

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0072 480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small>		
Note: Reducing volt, part winding.		
26 24 19 00-0073 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit.....	3,901.00	102.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.56	
26 24 19 00-0074 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit.....	5,049.17	118.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.18	
26 24 19 00-0075 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit.....	8,932.43	131.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.88	
26 24 19 00-0076 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit.....	15,269.33	160.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.19	
26 24 19 00-0077 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit.....	20,987.41	205.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	123.13	
26 24 19 00-0078 230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small>		
Note: Reducing volt, energy saver.		
26 24 19 00-0079 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit.....	16,358.39	83.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.02	
26 24 19 00-0080 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit.....	17,343.79	102.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.56	
26 24 19 00-0081 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit.....	19,148.37	118.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.18	
26 24 19 00-0082 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit.....	29,025.82	131.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.88	
26 24 19 00-0083 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit.....	39,599.10	160.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.19	
26 24 19 00-0084 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit.....	53,747.65	205.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	123.13	
26 24 19 00-0085 480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small>		
Note: Reducing volt, energy saver.		
26 24 19 00-0086 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit.....	16,358.39	83.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.02	
26 24 19 00-0087 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit.....	17,343.79	102.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.56	
26 24 19 00-0088 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit.....	19,148.37	118.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.18	
26 24 19 00-0089 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit.....	29,025.82	131.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.88	
26 24 19 00-0090 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit.....	39,599.10	160.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.19	
26 24 19 00-0091 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit.....	53,747.65	205.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	123.13	
26 24 19 00-0092 Combination Starters With Current Limiting Circuit Breakers <small>(26 24 19)</small>		
Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.		
26 24 19 00-0093 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0094 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	2,538.80	64.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.48	
26 24 19 00-0095 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit.....	2,892.73	67.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.40	
26 24 19 00-0096 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit.....	4,496.98	70.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.32	
26 24 19 00-0097 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	8,319.57	83.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.02	
26 24 19 00-0098 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	14,931.46	96.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.72	
26 24 19 00-0099 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	24,358.29	128.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.96	
26 24 19 00-0100 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit.....	2,538.80	64.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.48	
26 24 19 00-0102 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit.....	2,892.73	67.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.40	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0103	EA			480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	4,496.98	70.54
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.32	
26 24 19 00-0104	EA			480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	8,319.57	83.36
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.02	
26 24 19 00-0105	EA			480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	14,931.46	96.19
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.72	
26 24 19 00-0106	EA			480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit.....	24,358.29	128.26
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.96	
26 24 19 00-0107				230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
				Note: Full volt, 1-speed reversing.		
26 24 19 00-0108	EA			230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	3,401.16	64.12
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.48	
26 24 19 00-0109	EA			230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit.....	4,323.24	67.33
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.40	
26 24 19 00-0110	EA			230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit.....	6,414.75	70.54
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.32	
26 24 19 00-0111	EA			230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	11,474.79	83.36
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.02	
26 24 19 00-0112	EA			230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	20,864.97	96.19
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.72	
26 24 19 00-0113				480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
				Note: Full volt, 1-speed reversing.		
26 24 19 00-0114	EA			480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit.....	3,401.16	64.12
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.48	
26 24 19 00-0115	EA			480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit.....	4,323.24	67.33
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.40	
26 24 19 00-0116	EA			480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	6,414.75	70.54
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.32	
26 24 19 00-0117	EA			480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	11,474.79	83.36
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.02	
26 24 19 00-0118	EA			480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	20,864.97	96.19
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.72	
26 24 19 00-0119				230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
				Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120	EA			230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	3,969.03	102.60
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.56	
26 24 19 00-0121	EA			230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit.....	5,234.02	109.02
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.41	
26 24 19 00-0122	EA			230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit.....	7,912.97	115.43
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.26	
26 24 19 00-0123	EA			230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit.....	14,382.36	131.47
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.88	
26 24 19 00-0124	EA			230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit.....	22,802.56	153.91
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.35	
26 24 19 00-0125				480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
				Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126	EA			480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit.....	3,969.03	102.60
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.56	
26 24 19 00-0127	EA			480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit.....	5,234.02	109.02
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.41	
26 24 19 00-0128	EA			480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit.....	7,912.97	115.43
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.26	
26 24 19 00-0129	EA			480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit.....	14,382.36	131.47
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.88	
26 24 19 00-0130	EA			480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit.....	22,802.56	153.91
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.35	
26 24 19 00-0131				230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
				Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132	EA			230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	4,588.74	96.19
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.72	
26 24 19 00-0133	EA			230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit.....	6,493.58	102.60
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.56	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0134 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	9,133.92	109.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.41	
26 24 19 00-0135 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	17,204.82	125.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.03	
26 24 19 00-0136 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	28,563.29	147.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.50	
26 24 19 00-0137 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0138 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	4,588.74	96.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.72	
26 24 19 00-0139 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	6,493.58	102.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.56	
26 24 19 00-0140 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	9,133.92	109.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.41	
26 24 19 00-0141 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	17,204.82	125.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.03	
26 24 19 00-0142 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	28,563.29	147.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.50	
26 24 19 00-0143 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Reduced volt, auto-transformer.		
26 24 19 00-0144 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit	6,388.11	67.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.40	
26 24 19 00-0145 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit	10,311.87	73.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.25	
26 24 19 00-0146 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	17,457.94	83.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.02	
26 24 19 00-0147 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	26,469.35	96.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.72	
26 24 19 00-0148 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	43,572.78	128.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.96	
26 24 19 00-0149 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Reduced volt, auto-transformer.		
26 24 19 00-0150 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit	6,388.11	67.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.40	
26 24 19 00-0151 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	10,311.87	73.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.25	
26 24 19 00-0152 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	17,457.94	83.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.02	
26 24 19 00-0153 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	26,469.35	96.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.72	
26 24 19 00-0154 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit	43,572.78	128.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.96	
26 24 19 00-0155 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Reduced volt, part winding.		
26 24 19 00-0156 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit	4,537.19	102.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.56	
26 24 19 00-0157 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit	5,672.49	118.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.18	
26 24 19 00-0158 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit	10,022.79	131.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.88	
26 24 19 00-0159 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	17,803.07	160.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.19	
26 24 19 00-0160 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	26,286.56	205.21
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.13	
26 24 19 00-0161 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Reduced volt, part winding.		
26 24 19 00-0162 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit	4,537.19	102.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.56	
26 24 19 00-0163 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit	5,672.49	118.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.18	
26 24 19 00-0164 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	10,022.79	131.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.88	
26 24 19 00-0165 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	17,803.07	160.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.19	
26 24 19 00-0166 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit	26,286.56	205.21
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0167 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Reduced volt, energy saving		
26 24 19 00-0168 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit.....	16,886.10	83.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.02	
26 24 19 00-0169 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit.....	17,865.98	102.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.56	
26 24 19 00-0170 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit.....	19,652.18	118.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.18	
26 24 19 00-0171 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit.....	29,443.21	131.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.88	
26 24 19 00-0172 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit.....	39,922.71	160.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.19	
26 24 19 00-0173 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit.....	55,966.97	205.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	123.13	
26 24 19 00-0174 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Reduced volt, energy saving		
26 24 19 00-0175 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit.....	16,886.13	83.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.03	
26 24 19 00-0176 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit.....	17,865.98	102.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.56	
26 24 19 00-0177 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit.....	19,652.18	118.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.18	
26 24 19 00-0178 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit.....	29,443.21	131.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.88	
26 24 19 00-0179 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit.....	39,922.71	160.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.19	
26 24 19 00-0180 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit.....	55,966.97	205.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	123.13	
26 24 19 00-0181 Combination Starters With Fusible Switch <small>(26 24 19)</small> Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
26 24 19 00-0182 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0183 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	1,672.77	64.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.48	
26 24 19 00-0184 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,322.73	67.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.40	
26 24 19 00-0185 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	3,947.20	70.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.32	
26 24 19 00-0186 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	6,992.02	83.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.02	
26 24 19 00-0187 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	11,379.08	96.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.72	
26 24 19 00-0188 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	20,327.85	128.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.96	
26 24 19 00-0189 480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0190 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	1,672.77	64.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.48	
26 24 19 00-0191 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,322.73	67.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.40	
26 24 19 00-0192 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	3,947.20	70.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.32	
26 24 19 00-0193 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	6,992.02	83.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.02	
26 24 19 00-0194 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	11,379.08	96.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.72	
26 24 19 00-0195 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	20,327.85	128.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.96	
26 24 19 00-0196 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 1-Speed reversing.		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0197 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	2,730.03	64.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.48	
26 24 19 00-0198 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	4,087.89	67.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.40	
26 24 19 00-0199 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	6,567.36	70.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.32	
26 24 19 00-0200 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	10,726.43	83.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.02	
26 24 19 00-0201 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	16,525.62	96.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.72	
26 24 19 00-0202 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	28,116.61	128.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.96	
26 24 19 00-0203 480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)		
Note: 1-Speed reversing.		
26 24 19 00-0204 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	2,730.03	64.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.48	
26 24 19 00-0205 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	4,087.89	67.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.40	
26 24 19 00-0206 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	6,567.36	70.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.32	
26 24 19 00-0207 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	10,726.43	83.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.02	
26 24 19 00-0208 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	16,525.62	96.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.72	
26 24 19 00-0209 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	28,116.61	128.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.96	
26 24 19 00-0210 230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)		
Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211 EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	3,178.39	102.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.56	
26 24 19 00-0212 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,393.73	109.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	65.41	
26 24 19 00-0213 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	6,953.16	115.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.26	
26 24 19 00-0214 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	12,471.94	131.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.88	
26 24 19 00-0215 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	19,908.44	153.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.35	
26 24 19 00-0216 480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)		
Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	3,178.39	102.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.56	
26 24 19 00-0218 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,393.73	109.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	65.41	
26 24 19 00-0219 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	6,953.16	115.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.26	
26 24 19 00-0220 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	12,471.94	131.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.88	
26 24 19 00-0221 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	19,908.44	153.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.35	
26 24 19 00-0222 230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)		
Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	3,664.09	64.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.48	
26 24 19 00-0224 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	5,608.50	67.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.40	
26 24 19 00-0225 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	8,093.49	70.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.32	
26 24 19 00-0226 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	16,354.72	83.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.02	
26 24 19 00-0227 480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)		
Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	3,664.09	64.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.48	
26 24 19 00-0229 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	5,608.50	67.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.40	
26 24 19 00-0230 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	8,093.49	70.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.32	
26 24 19 00-0231 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	16,354.72	83.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.02	
26 24 19 00-0232 230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)		
Note: Auto-transformer.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0233 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,569.89 40.40	67.33
26 24 19 00-0234 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,865.07 44.25	73.74
26 24 19 00-0235 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,463.20 50.02	83.36
26 24 19 00-0236 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,992.10 57.72	96.19
26 24 19 00-0237 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36,969.98 76.96	128.26
26 24 19 00-0238 480 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Auto-transformer.		
26 24 19 00-0239 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,569.89 40.40	67.33
26 24 19 00-0240 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,865.07 44.25	73.74
26 24 19 00-0241 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,463.20 50.02	83.36
26 24 19 00-0242 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,992.10 57.72	96.19
26 24 19 00-0243 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36,969.98 76.96	128.26
26 24 19 00-0244 230 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Part winding.		
26 24 19 00-0245 EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,924.90 61.56	102.60
26 24 19 00-0246 EA 25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,207.29 71.18	118.64
26 24 19 00-0247 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,329.34 78.88	131.47
26 24 19 00-0248 EA 75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,672.26 96.19	160.33
26 24 19 00-0249 480 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Part winding.		
26 24 19 00-0250 EA 15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,924.90 61.56	102.60
26 24 19 00-0251 EA 40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,207.29 71.18	118.64
26 24 19 00-0252 EA 75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,329.34 78.88	131.47
26 24 19 00-0253 EA 150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,672.26 96.19	160.33
26 24 19 00-0254 230 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Energy saver.		
26 24 19 00-0255 EA 7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,356.55 50.02	83.36
26 24 19 00-0256 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,343.79 61.56	102.60
26 24 19 00-0257 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,148.37 71.18	118.64
26 24 19 00-0258 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,025.82 78.88	131.47
26 24 19 00-0259 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,599.10 96.19	160.33
26 24 19 00-0260 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53,747.65 123.13	205.21
26 24 19 00-0261 480 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Energy saver.		
26 24 19 00-0262 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,356.55 50.02	83.36
26 24 19 00-0263 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,343.79 61.56	102.60
26 24 19 00-0264 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,148.37 71.18	118.64

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0265	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	29,025.82	131.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.88	
26 24 19 00-0266	EA		200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	39,599.10	160.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.19	
26 24 19 00-0267	EA		400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	53,747.65	205.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.13	
26 24 19 00-0268			Starter Accessories <small>(26 24 19)</small>		
26 24 19 00-0269			Starter Modifications <small>(26 24 19 00-0268)</small>		
26 24 19 00-0270	EA		Control Circuit Transformer 60 Hertz, Size 1, 2, 50 VA Standard.....	94.27	
26 24 19 00-0271	EA		Control Circuit Transformer 60 Hertz, Size 3, 4, 150 VA Standard.....	286.84	
26 24 19 00-0272	EA		Control Circuit Transformer 60 Hertz, Size 5, 6, 50 VA.....	410.03	
26 24 19 00-0273	EA		Control Circuit Transformer 60 Hertz, All Sizes, Extra 50 VA.....	102.97	
26 24 19 00-0274	EA		Control Circuit Transformer 60 Hertz, All Sizes, Extra 100 VA.....	145.26	
26 24 19 00-0275	EA		Control Circuit Transformer 60 Hertz, All Sizes, Extra 150 VA.....	244.55	
26 24 19 00-0276	EA		Overload Relay Heater Elements, 3 Per Starter.....	60.68	
26 24 19 00-0277	EA		N.O. Overload Relay Alarm.....	51.48	
26 24 19 00-0278	EA		Control Circuit Fuses, Primary/Secondary.....	33.69	
26 24 19 00-0279	EA		Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton.....	41.65	
26 24 19 00-0280	EA		Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton.....	81.46	
26 24 19 00-0281	EA		Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select.....	41.65	
26 24 19 00-0282	EA		Control Devices Type PB2 Mount On Device, Individual Light Full V.....	47.78	
26 24 19 00-0283	EA		Control Devices Type PB2 Mount On Device, Individual Light Transformer.....	57.58	
26 24 19 00-0284	EA		Control Devices Type PB2 Mount On Device, Individual Light Push To.....	67.99	
26 24 19 00-0285	EA		Blank Devices Panel.....	12.86	
26 24 19 00-0286	EA		Oversize Or Special Color Starter.....	20.21	
26 24 19 00-0287	EA		Mini Voltmeter/Ammeter With Current Transformer.....	187.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.77	
26 24 19 00-0288	EA		Mini Elapsed Time Meters, Non Resettable.....	171.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.77	
26 24 19 00-0289	EA		Panel Elapsed Time Meter, Resettable.....	238.88	
26 24 19 00-0290	EA		Terminal Blocks, Side Mounted, Press Connection, Plug-In Press.....	20.21	
26 24 19 00-0291	EA		Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw.....	28.79	
26 24 19 00-0292	EA		Terminal Blocks, Front Mounted, Press Connection, Standard.....	20.21	
26 24 19 00-0293	EA		Terminal Blocks, Front Mounted, Press Connection, Plug-In.....	28.79	
26 24 19 00-0294	EA		Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility.....	28.79	
26 24 19 00-0295	EA		Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type.....	41.65	
26 24 19 00-0296	EA		MOR - A Solid State Modular Overload Relay.....	103.51	
26 24 19 00-0297	EA		Heater Module.....	39.88	
26 24 19 00-0298	EA		LAM - Long Acceleration Module.....	247.76	
26 24 19 00-0299	EA		JAM - Jam Protection Module.....	284.02	
26 24 19 00-0300	EA		PUM - Phase Unbalance Module.....	539.03	
26 24 19 00-0301	EA		ULM - Underload Module.....	258.64	
26 24 19 00-0302	EA		Wiring To Common Control Circuit Transformer.....	56.80	
26 24 19 00-0303	EA		Handle Operator Separable Source Control Circuit.....	106.36	
26 24 19 00-0304	EA		Type SIS Control Wire.....	44.72	
26 24 19 00-0305	EA		Ring Or Spade Terminals Control.....	56.80	
26 24 19 00-0306	EA		Ring Terminals Power.....	56.80	
26 24 19 00-0307	EA		14 Gauge Control Wire.....	44.72	
26 24 19 00-0308	EA		Wiremakers.....	56.80	
26 24 19 00-0309	EA		Wiring Diagram On Door.....	33.84	
26 24 19 00-0310	EA		Special Color Or Type Control Wire.....	41.09	
26 24 19 00-0311	EA		Current Transformer 12.5 VA.....	322.69	
26 24 19 00-0312	EA		Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4.....	1,030.92	
26 24 19 00-0313	EA		Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6.....	1,160.24	
26 24 19 00-0314			Control Relays And Special Components <small>(26 24 19 00-0268)</small>		
26 24 19 00-0315	EA		Control Relays, 600 Volt, 2 Pole.....	282.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.77	
26 24 19 00-0316	EA		Control Relays, 600 Volt, 4 Pole.....	335.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.62	
26 24 19 00-0317	EA		Control Relays, 600 Volt, 6 Pole.....	394.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.39	
26 24 19 00-0318	EA		Control Relays, 600 Volt, 8 Pole.....	439.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.24	
26 24 19 00-0319	EA		Control Relays, Pneumatic Timer.....	371.92	
26 24 19 00-0320	EA		Control Relays, Motor Driven Timer.....	969.15	
26 24 19 00-0321	EA		Control Relays, 7 Day Time Switch.....	1,219.81	
26 24 19 00-0322	EA		Control Relays, 24 Hour Time Switch.....	342.05	
26 24 19 00-0323	EA		Control Relays, Phase Voltage.....	581.85	
26 24 19 00-0324	EA		Control Relays, Two Circuit Alternator.....	814.41	
26 24 19 00-0325	EA		Control Relays, Manual 120 Volt.....	79.63	
26 24 19 00-0326	EA		Control Relays, Over-Current Relay.....	2,305.98	
26 24 19 00-0327	EA		Control Relays, UV-Relay.....	1,953.08	
26 24 19 00-0328	EA		Control Relays, Over-Current Relay.....	1,953.08	
26 24 19 00-0329	EA		Control Relays, Teleductor.....	599.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0330 EA Control Relays, Current Transducer	1,613.44	
26 24 19 00-0331 EA Control Relays, Watt Transducer.....	3,226.89	
26 24 19 00-0332 EA Control Relays, Blank, Add For Each 1x.....	109.49	
26 24 19 00-0333 EA Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway.....	163.79	
26 24 19 00-0334 EA Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway.....	184.60	
26 24 19 00-0335 EA Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway.....	205.41	
26 24 19 00-0336 EA Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway.....	184.60	
26 24 19 00-0337 EA Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway.....	205.41	
26 24 19 00-0338 EA Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway.....	216.27	
26 24 19 00-0339 Circuit Breaker Modifications/Accessories (26 24 19 00-0268)		
26 24 19 00-0340 EA Circuit Breaker, Shunt Trip.....	235.40	
26 24 19 00-0341 EA Circuit Breaker, Auxiliary Switch.....	81.31	
26 24 19 00-0342 EA Circuit Breaker, Key Interlock	292.44	
26 24 19 00-0343 EA Circuit Breaker, GFR Ground Fault.....	1,348.11	
26 24 19 00-0344 EA Circuit Breaker, Seltronic Breaker.....	780.93	
26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers (26 24 19 00-0268)		
26 24 19 00-0346 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100	991.97	41.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.01	
26 24 19 00-0347 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150	1,720.45	64.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.48	
26 24 19 00-0348 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100	1,664.22	41.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.01	
26 24 19 00-0349 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150	2,391.29	64.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.48	
26 24 19 00-0350 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150	3,076.28	64.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.48	
26 24 19 00-0351 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250	1,889.16	83.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.03	
26 24 19 00-0352 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400	3,076.67	89.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.88	
26 24 19 00-0353 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600	4,059.09	115.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.23	
26 24 19 00-0354 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800	4,764.24	176.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.85	
26 24 19 00-0355 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200	6,742.94	266.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	159.81	
26 24 19 00-0356 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000	14,842.02	352.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	211.44	
26 24 19 00-0357 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500	22,199.64	442.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	265.24	
26 24 19 00-0358 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000	37,095.31	512.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	308.09	
26 24 19 00-0359 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	1,194.35	41.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.01	
26 24 19 00-0360 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150	1,917.17	64.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.48	
26 24 19 00-0361 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	1,194.35	41.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.01	
26 24 19 00-0362 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50	1,917.17	64.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.48	
26 24 19 00-0363 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150.....	2,039.27	41.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.01	
26 24 19 00-0364 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150.....	2,790.40	64.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.48	
26 24 19 00-0365 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	3,466.90	64.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.48	
26 24 19 00-0366 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100	1,819.52	64.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.48	
26 24 19 00-0367 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400	4,605.73	176.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.85	
26 24 19 00-0368 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225	4,605.73	176.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.85	
26 24 19 00-0369 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400	6,215.55	192.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	115.38	
26 24 19 00-0370 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600	7,765.70	224.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	134.61	
26 24 19 00-0371 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800	8,933.79	266.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	159.81	
26 24 19 00-0372 Incoming Line And Feeder Fusible Switches (26 24 19 00-0268)		
26 24 19 00-0373 EA Incoming Line And Feeder Fusible Switches, 30 Or 60 Amps.....	981.52	64.12
26 24 19 00-0374 EA Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual	1,512.09	64.12
26 24 19 00-0375 EA Incoming Line And Feeder Fusible Switches, 100 Amps	1,714.30	80.16
26 24 19 00-0376 EA Incoming Line And Feeder Fusible Switches, 200 Amps	2,795.12	96.19
26 24 19 00-0377 EA Incoming Line And Feeder Fusible Switches, 400 Amps.....	5,524.15	121.85
26 24 19 00-0378 EA Incoming Line And Feeder Fusible Switches, 600 Amps	7,750.85	160.33
26 24 19 00-0379 EA Incoming Line And Feeder Fusible Switches, 800 Amps	18,888.84	214.83
26 24 19 00-0380 EA Incoming Line And Feeder Fusible Switches, 1,200 Amps.....	21,299.18	298.20

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 24 19 00-0381	Dry Type Distribution Transformers (26 24 19 00-0268)	
26 24 19 00-0382	EA 500 VA, Phase 1, Dry Type Distribution Transformers	965.22
26 24 19 00-0383	EA 750 VA, Phase 1, Dry Type Distribution Transformers	996.36
26 24 19 00-0384	EA 1,000 VA, Phase 1, Dry Type Distribution Transformers	1,028.91
26 24 19 00-0385	EA 1,500 VA, Phase 1, Dry Type Distribution Transformers	1,180.34
26 24 19 00-0386	EA 2,000 VA, Phase 1, Dry Type Distribution Transformers	1,279.41
26 24 19 00-0387	EA 3,000 VA, Phase 1, Dry Type Distribution Transformers	1,296.81
26 24 19 00-0388	EA 5,000 VA, Phase 1, Dry Type Distribution Transformers	1,740.79
26 24 19 00-0389	EA 7,500 VA, Phase 1, Dry Type Distribution Transformers	1,961.58
26 24 19 00-0390	EA 9,000 VA, Phase 3, Dry Type Distribution Transformers	4,560.03
26 24 19 00-0391	EA 10,000 VA, Phase 1, Dry Type Distribution Transformers	2,420.13
26 24 19 00-0392	EA 15,000 VA, Phase 1, Dry Type Distribution Transformers	3,352.79
26 24 19 00-0393	EA 15,000 VA, Phase 3, Dry Type Distribution Transformers	5,225.21
26 24 19 00-0394	EA 20,000 VA, Phase 1, Dry Type Distribution Transformers	4,838.84
26 24 19 00-0395	EA 30,000 VA, Phase 1, Dry Type Distribution Transformers	6,705.59
26 24 19 00-0396	EA 30,000 VA, Phase 3, Dry Type Distribution Transformers	6,200.05
26 24 19 00-0397	EA 45,000 VA, Phase 1, Dry Type Distribution Transformers	8,588.22
26 24 19 00-0398	Metering Equipment (26 24 19 00-0268)	
26 24 19 00-0399	EA Metering Equipment, Voltmeter, Panel Type	197.23
26 24 19 00-0400	EA Metering Equipment, Voltmeter, Switchboard Type	431.21
26 24 19 00-0401	EA Metering Equipment, Ammeter, Panel	177.63
26 24 19 00-0402	EA Metering Equipment, Ammeter, Switchboard Type	431.21
26 24 19 00-0403	EA Metering Equipment, Voltmeter/Ammeter, Switch	239.49
26 24 19 00-0404	EA Metering Equipment, Control Switch, 4 Circuits	254.19
26 24 19 00-0405	EA Add For Additional Circuits	66.47
26 24 19 00-0406	EA Metering Equipment, Indicating Wattmeter	889.37
26 24 19 00-0407	EA Metering Equipment, Indicating Power Factor	931.64
26 24 19 00-0408	EA Metering Equipment, Integrating Watt-hour	821.38
26 24 19 00-0409	EA Add For Demand Attachment	435.09
26 24 19 00-0410	EA Metering Equipment, Current Transformer, 800 Amp	245.62
26 24 19 00-0411	EA Metering Equipment, Current Transformer, 1,000 Amp	423.86
26 24 19 00-0412	EA Metering Equipment, Current Transformer, 2,000 Amp	493.69
26 24 19 00-0413	EA Metering Equipment, Potential Transformer	411.61
26 24 19 00-0414	EA Metering Equipment, Surge Arrester	442.85
26 24 19 00-0415	EA Metering Equipment, Ground Detector System	338.72
26 24 19 00-0416	Current Limiting Reactors (26 24 19 00-0268)	
26 24 19 00-0417	EA Current Limiting Reactors, 600 Amps	17,468.77
26 24 19 00-0418	EA Current Limiting Reactors, 800 Amps	25,439.62
26 24 19 00-0419	EA Current Limiting Reactors, 1,000 Amps	33,428.86
26 24 19 00-0420	EA Current Limiting Reactors, 1,200 Amps	50,884.90
26 24 19 00-0421	Incoming Line Cable Space Requirements, Main Lugs Only (26 24 19 00-0268)	
26 24 19 00-0422	EA Incoming Line Cable Space Requirement, 350 MCC, 2 Screw	399.00
26 24 19 00-0423	EA Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	399.00
26 24 19 00-0424	EA Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	551.61
26 24 19 00-0425	EA Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	1,009.45
26 24 19 00-0426	EA Incoming Line Cable Space Requirement, 600 MCC, 2 Screw	551.61
26 24 19 00-0427	EA Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	704.22
26 24 19 00-0428	EA Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	704.22
26 24 19 00-0429	EA Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	1,007.61
26 24 19 00-0430	EA Incoming Line Cable Space Requirement, 750 MCC, 2 Screw	704.22
26 24 19 00-0431	EA Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	1,007.61
26 24 19 00-0432	EA Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	856.84
26 24 19 00-0433	EA Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	2,778.29
26 24 19 00-0434	EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw	856.84
26 24 19 00-0435	EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	1,007.61
26 24 19 00-0436	EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw	2,778.29
26 24 19 00-0437	EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp	2,778.29
26 24 19 00-0438	EA Bus Duct Transition Pull Box	911.24
26 24 19 00-0439	EA Throat And Transition To Substation	1,759.13
26 24 19 00-0440	EA Service Entrance Label	380.96
26 24 19 00-0441	EA Type W To 5 Star - 10" Transition	796.32
26 24 19 00-0442	EA 600 Ampere Sub Feed Lugs On Main Bus	288.85
26 24 19 00-0443	Standard Structures And Structure Options/Modifications (26 24 19 00-0268)	
26 24 19 00-0444	EA Standard Structure Add For Each Additional 4" Of Structure Width	251.56
26 24 19 00-0445	EA Standard Structure Add For 8" Vertical Wireway In Lieu Of 4"	251.56
26 24 19 00-0446	EA Standard Structure Single Corner Section "L", 16" Depth	778.22
26 24 19 00-0447	EA Standard Structure Single Corner Section "L", 21" Depth	877.76
26 24 19 00-0448	EA Standard Structure Unused Space/Future Space	75.11
26 24 19 00-0449	EA Standard Structure NEMA 12 Dustproof	202.70
26 24 19 00-0450	EA Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure	42.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0451 EA Standard Structure 150 Watt Space	182.79	
26 24 19 00-0452 EA Standard Structure Thermostat For Space Heater Control	351.70	
26 24 19 00-0453 EA Standard Structure Rear Hinged Structure Door, 72" High	182.79	
26 24 19 00-0454 EA Standard Structure NEMA 2 Drip Shield On Top Of MCC	227.21	
26 24 19 00-0455 EA Standard Structure NEMA 3R N-Walk In Front Mounted	3,241.43	
26 24 19 00-0456 EA Standard Structure NEMA 3R N-Walk In Back-to-back	3,746.62	
26 24 19 00-0457 EA Standard Structure NEMA 3R Walk-In Aisle Front Mounted.....	3,750.25	
26 24 19 00-0458 Installation Hours For Vertical Sections (26 24 19 00-0268)		
26 24 19 00-0459 EA Install Vertical Section, 230/480 Volt, 1 Section, 600 Amps	384.76	192.38
26 24 19 00-0460 EA Install Vertical Section, 230/480 Volt, 2 Section, 600 Amps	577.13	288.58
26 24 19 00-0461 EA Install Vertical Section, 230/480 Volt, 3 Section, 600 Amps	641.29	320.64
26 24 19 00-0462 EA Install Vertical Section, 230/480 Volt, 4 Section, 600 Amps	769.62	384.78
26 24 19 00-0463 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 600 Amps	64.12	32.07
26 24 19 00-0464 EA Install Vertical Section, 230/480 Volt, 1 Section, 800 Amps	384.76	192.38
26 24 19 00-0465 EA Install Vertical Section, 230/480 Volt, 2 Section, 800 Amps	577.13	288.58
26 24 19 00-0466 EA Install Vertical Section, 230/480 Volt, 3 Section, 800 Amps	641.29	320.64
26 24 19 00-0467 EA Install Vertical Section, 230/480 Volt, 4 Section, 800 Amps	769.62	384.78
26 24 19 00-0468 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 800 Amps	64.12	32.07
26 24 19 00-0469 EA Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amps.....	448.91	224.45
26 24 19 00-0470 EA Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amps.....	577.13	288.58
26 24 19 00-0471 EA Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amps.....	769.62	384.78
26 24 19 00-0472 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amps.....	897.69	448.84
26 24 19 00-0473 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,200 Amps	96.19	48.10
26 24 19 00-0474 EA Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amps.....	513.03	256.52
26 24 19 00-0475 EA Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amps.....	705.48	352.71
26 24 19 00-0476 EA Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amps.....	897.69	448.84
26 24 19 00-0477 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amps.....	1,025.88	512.97
26 24 19 00-0478 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,600 Amps	128.26	64.12
26 24 19 00-0479 EA Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amps.....	513.03	256.52
26 24 19 00-0480 EA Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amps.....	769.62	384.78
26 24 19 00-0481 EA Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amps.....	961.83	480.90
26 24 19 00-0482 EA Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amps.....	1,090.26	545.17
26 24 19 00-0483 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 2,000 Amps.....	128.26	64.12
26 24 19 00-0484 Motor Control Centers (26 24 19)		
26 24 19 00-0485 2.4 KV Motor Control Centers (26 24 19 00-0484)		
26 24 19 00-0486 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp	11,371.58	128.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.96	
26 24 19 00-0487 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp	11,371.58	128.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.96	
26 24 19 00-0488 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp	11,371.58	128.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.96	
26 24 19 00-0489 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp	11,403.66	144.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	86.58	
26 24 19 00-0490 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp	12,108.72	160.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.19	
26 24 19 00-0491 EA 2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp	12,140.78	176.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.81	
26 24 19 00-0492 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp	12,172.84	192.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	115.43	
26 24 19 00-0493 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp	12,236.99	224.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	134.67	
26 24 19 00-0494 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp	12,301.11	256.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	153.91	
26 24 19 00-0495 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp	20,754.19	288.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	173.14	
26 24 19 00-0496 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp	22,273.16	320.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	192.39	
26 24 19 00-0497 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp	16,889.00	128.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.96	
26 24 19 00-0498 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp	17,593.49	137.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	82.73	
26 24 19 00-0499 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp	19,989.00	150.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	90.42	
26 24 19 00-0500 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp	22,251.63	160.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.19	
26 24 19 00-0501 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp	24,206.46	185.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	111.59	
26 24 19 00-0502 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp	26,523.09	198.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.28	
26 24 19 00-0503 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp	28,838.34	211.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	126.97	
26 24 19 00-0504 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp	31,583.90	230.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	138.52	
26 24 19 00-0505 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp	36,756.95	256.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	153.91	
26 24 19 00-0506 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp	39,825.14	272.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	163.54	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24	19 00-0507	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp.....	60,846.15	320.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	192.39	
26 24	19 00-0508	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp.....	64,826.10	352.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	211.64	
26 24	19 00-0509	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp.....	68,289.34	384.78
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	230.89	
26 24	19 00-0510	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp.....	74,360.43	416.91
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	250.15	
26 24	19 00-0511	EA	2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp.....	15,933.17	128.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.96	
26 24	19 00-0512	EA	2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp.....	15,965.25	144.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.58	
26 24	19 00-0513	EA	2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp.....	15,997.29	160.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.19	
26 24	19 00-0514	EA	2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp.....	16,029.35	176.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.81	
26 24	19 00-0515	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp.....	16,064.13	192.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.43	
26 24	19 00-0516	EA	2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP.....	16,096.23	208.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.06	
26 24	19 00-0517	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp.....	16,128.28	224.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.67	
26 24	19 00-0518	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp.....	16,256.50	288.58
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.14	
26 24	19 00-0519	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp.....	27,745.71	320.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	192.39	
26 24	19 00-0520	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp.....	27,809.90	352.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	211.64	
26 24	19 00-0521	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp.....	29,320.70	384.78
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	230.89	
26 24	19 00-0522	EA	Add For Reversing Starters, 100 To 700 HP.....	6,260.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.48	
26 24	19 00-0523	EA	Add For Reversing Starters, 1,000 To 1,500 Hp.....	6,450.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.48	
26 24	19 00-0524	EA	Add For Reversing Starters, 1,750 To 2,500 HP.....	9,883.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.48	
26 24	19 00-0525		4.8 KV Motor Control Centers (26 24 19 00-0484)		
26 24	19 00-0526	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP.....	12,363.19	192.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.43	
26 24	19 00-0527	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP.....	12,395.29	208.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.06	
26 24	19 00-0528	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP.....	12,427.34	224.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.67	
26 24	19 00-0529	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP.....	12,459.42	240.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.30	
26 24	19 00-0530	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP.....	13,157.68	256.52
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	153.91	
26 24	19 00-0531	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP.....	13,189.79	272.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	163.54	
26 24	19 00-0532	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP.....	13,221.78	288.58
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.14	
26 24	19 00-0533	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP.....	13,253.91	304.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.78	
26 24	19 00-0534	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP.....	13,285.94	320.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	192.39	
26 24	19 00-0535	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP.....	22,540.47	416.91
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	250.15	
26 24	19 00-0536	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP.....	22,604.34	448.84
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	269.31	
26 24	19 00-0537	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP.....	24,116.50	480.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	288.55	
26 24	19 00-0538	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP.....	24,180.55	512.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	307.76	
26 24	19 00-0539	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP.....	17,210.30	192.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.43	
26 24	19 00-0540	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP.....	17,432.75	208.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.06	
26 24	19 00-0541	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP.....	20,333.65	224.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.67	
26 24	19 00-0542	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP.....	22,602.33	240.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.30	
26 24	19 00-0543	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP.....	24,537.87	256.52
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	153.91	
26 24	19 00-0544	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP.....	26,860.97	272.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	163.54	
26 24	19 00-0545	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP.....	29,041.19	288.58
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.14	
26 24	19 00-0546	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP.....	31,921.77	304.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.78	
26 24	19 00-0547	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP.....	36,984.47	320.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	192.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0548 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40,423.79 202.01	336.67
26 24 19 00-0549 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43,895.21 221.26	368.74
26 24 19 00-0550 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46,767.60 230.89	384.78
26 24 19 00-0551 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49,476.72 240.48	400.81
26 24 19 00-0552 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53,268.34 250.15	416.91
26 24 19 00-0553 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84,473.78 307.76	512.97
26 24 19 00-0554 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93,946.87 327.08	545.17
26 24 19 00-0555 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112,943.87 346.28	577.16
26 24 19 00-0556 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119,476.94 346.28	577.16
26 24 19 00-0557 EA 4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,986.21 134.67	224.45
26 24 19 00-0558 EA 4.8 KV CL 14-202, Synchronous Motor Control, 700 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,018.29 144.30	240.48
26 24 19 00-0559 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,050.33 153.91	256.52
26 24 19 00-0560 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,082.44 163.54	272.55
26 24 19 00-0561 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,547.49 173.14	288.58
26 24 19 00-0562 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,579.62 182.78	304.61
26 24 19 00-0563 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,611.65 192.39	320.64
26 24 19 00-0564 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,643.72 202.01	336.67
26 24 19 00-0565 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,675.84 211.64	352.71
26 24 19 00-0566 EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,868.05 269.31	448.84
26 24 19 00-0567 EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,547.60 288.55	480.90
26 24 19 00-0568 EA 4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,052.86 307.76	512.97
26 24 19 00-0569 EA 4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,052.86 307.76	512.97
26 24 19 00-0570 EA Add For Reversing Starters, 100 To 1,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,420.83 38.48	
26 24 19 00-0571 EA Add For Reversing Starters, 1,500 To 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,678.25 38.48	
26 24 19 00-0572 EA Add For Reversing Starters, 3,000 To 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,320.98 38.48	
26 24 19 00-0573 2.4/4.8 KV Motor Control Centers, Accessories (26 24 19 00-0484)		
26 24 19 00-0574 EA 2.4/4.8 KV Load Break Disconnect Switch 600 Amp.....	10,921.02	128.26
26 24 19 00-0575 EA 2.4/4.8 KV Load Break Disconnect Switch 1,200 Amp.....	13,092.06	192.38
26 24 19 00-0576 EA 2.4/4.8 KV NEMA 3 Weather Resistant.....	4,341.19	
26 24 19 00-0577 EA 2.4/4.8 KV Space Heaters.....	157.04	9.62
26 24 19 00-0578 EA 2.4/4.8 KV Potential Transformer Fused.....	1,257.68	
26 24 19 00-0579 EA 2.4/4.8 KV Current Transformer 600 Volt, 5 KVA.....	674.81	
26 24 19 00-0580 EA 2.4/4.8 KV Control Transformer 4 KVA Max.....	2,009.71	
26 24 19 00-0581 EA 2.4/4.8 KV Pushbuttons Each.....	128.71	
26 24 19 00-0582 EA 2.4/4.8 KV Selector Switch Each.....	426.58	
26 24 19 00-0583 EA 2.4/4.8 KV Indicating Light.....	128.71	
26 24 19 00-0584 EA 2.4/4.8 KV Push To Test Light.....	389.81	
26 24 19 00-0585 EA 2.4/4.8 KV AC Voltmeter, Switchboard Type.....	1,037.03	
26 24 19 00-0586 EA 2.4/4.8 KV AC Ammeter, Switchboard Type.....	1,037.03	
26 24 19 00-0587 EA 2.4/4.8 KV Power Factor Meter.....	3,101.90	
26 24 19 00-0588 EA 2.4/4.8 KV Watt Hr Meter, 2 Element Drawout.....	2,138.42	
26 24 19 00-0589 EA 2.4/4.8 KV Operation Counter.....	409.05	9.62
26 24 19 00-0590 EA 2.4/4.8 KV Phase Failure Protection.....	2,972.95	32.07
26 24 19 00-0591 EA 2.4/4.8 KV Ground Protection.....	5,717.35	16.03
26 24 19 00-0592 EA 2.4/4.8 KV Synchronous Motor DC Protection.....	1,886.62	16.03
26 24 19 00-0593 EA 2.4/4.8 KV Lightning Arresters.....	2,669.67	9.62
26 24 19 00-0594 EA 2.4/4.8 KV Portable Lifting Mechanism.....	3,863.54	
26 24 19 00-0595 EA 2.4/4.8 KV Auxiliary Timing Relay.....	344.64	32.07
26 24 19 00-0596 EA 2.4/4.8 KV Auxiliary Control Relay.....	249.63	32.07
26 24 19 00-0597 Incoming Section And Feeder Air Circuit Breakers (26 24 19 00-0484)		
26 24 19 00-0598 EA Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amp, 14,000 Amp IC, 3-Pole, With Structure Included.....	799.40	192.20
26 24 19 00-0599 EA Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amp, 22,000 Amp IC, 3-Pole, With Structure Included.....	1,384.55	340.21
26 24 19 00-0600 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 30,000 Amp IC, 3-Pole, With Structure Included.....	1,641.54	435.60

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0601 EA Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amp, 30,000 Amp IC, 3-Pole, With Structure Included.....	2,644.26	701.45
26 24 19 00-0602 EA Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amp, 30,000 Amp IC, 3-Pole, With Structure Included.....	3,124.16	771.60
26 24 19 00-0603 EA Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amp, 30,000 Amp IC, 3-Pole, With Structure Included.....	4,092.58	855.77
26 24 19 00-0604 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 45,000 Amp IC, 3-Pole, With Structure Included.....	4,759.76	1,003.08
26 24 19 00-0605 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 100,000 Amp IC, 3-Pole, With Structure Included.....	8,487.15	1,168.62
26 24 19 00-0606 Main Lugs Only (26 24 19 00-0484)		
26 24 19 00-0607 EA 600 Amp Incoming Section, Main Lugs.....	600.24	245.51
26 24 19 00-0608 EA 800 Amp Incoming Section, Main Lugs.....	649.90	245.51
26 24 19 00-0609 EA 1,200 Amp Incoming Section, Main Lugs.....	901.74	385.80
26 24 19 00-0610 EA 2,000 Amp Incoming Section, Main Lugs.....	2,322.39	701.45
26 24 19 00-0611 EA 3,000 Amp Incoming Section, Main Lugs.....	3,547.96	1,017.11
26 24 19 00-0612 EA 4,000 Amp Incoming Section, Main Lugs.....	5,094.94	1,402.91
26 24 19 00-0613 Incoming Main Circuit Breaker Structure (26 24 19 00-0484)		
Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24 19 00-0614 EA 225 Amp, Main Circuit Breaker Section	4,565.37	339.44
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0615 EA 400 Amp, Main Circuit Breaker Section	9,809.54	436.02
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0616 EA 600 Amp, Main Circuit Breaker Section	10,091.06	679.15
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0617 EA 800 Amp, Main Circuit Breaker Section	14,456.78	679.15
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0618 EA 1,200 Amp, Main Circuit Breaker Section	21,013.77	768.44
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0619 Incoming Fusible Main Disconnect Section (26 24 19 00-0484)		
Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24 19 00-0620 EA 200 Amp, Fusible Main Disconnect Section.....	3,945.40	339.86
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0621 EA 400 Amp, Fusible Main Disconnect Section.....	5,461.25	436.23
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0622 EA 600 Amp, Fusible Main Disconnect Section.....	10,740.92	679.71
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0623 EA 800 Amp, Fusible Main Disconnect Section.....	12,531.82	679.71
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0624 EA 1,200 Amp, Fusible Main Disconnect Section.....	17,727.77	769.14
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0625 Circuit Breaker Combination Starters <small>(26 24 19 00-0484)</small>		
26 24 19 00-0626 Class I, Type A <small>(26 24 19 00-0625)</small>		
26 24 19 00-0627 EA Size 1, Class I, Type A Circuit Breaker Combination Starter	676.50	142.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.19	
26 24 19 00-0628 EA Size 2, Class I, Type A Circuit Breaker Combination Starter	789.70	142.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	89.93	
26 24 19 00-0629 EA Size 3, Class I, Type A Circuit Breaker Combination Starter	1,152.29	202.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	120.94	
26 24 19 00-0630 EA Size 4, Class I, Type A Circuit Breaker Combination Starter	1,899.36	265.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	159.42	
26 24 19 00-0631 EA Size 5, Class I, Type A Circuit Breaker Combination Starter	3,455.60	332.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	199.28	
26 24 19 00-0632 Class I, Type B <small>(26 24 19 00-0625)</small>		
26 24 19 00-0633 EA Size 1, Class I, Type B Circuit Breaker Combination Starter	644.35	124.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.15	
26 24 19 00-0634 EA Size 2, Class I, Type B Circuit Breaker Combination Starter	753.25	124.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.99	
26 24 19 00-0635 EA Size 3, Class I, Type B Circuit Breaker Combination Starter	1,108.87	179.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	107.92	
26 24 19 00-0636 EA Size 4, Class I, Type B Circuit Breaker Combination Starter	1,855.07	243.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	146.14	
26 24 19 00-0637 EA Size 5, Class I, Type B Circuit Breaker Combination Starter	3,419.88	310.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	188.56	
26 24 19 00-0638 Class I, Type C <small>(26 24 19 00-0625)</small>		
26 24 19 00-0639 EA Size 1, Class I, Type C Circuit Breaker Combination Starter	685.20	115.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.54	
26 24 19 00-0640 EA Size 2, Class I, Type C Circuit Breaker Combination Starter	800.13	115.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	74.63	
26 24 19 00-0641 EA Size 3, Class I, Type C Circuit Breaker Combination Starter	1,193.39	171.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	103.16	
26 24 19 00-0642 EA Size 4, Class I, Type C Circuit Breaker Combination Starter	1,943.58	237.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	142.57	
26 24 19 00-0643 EA Size 5, Class I, Type C Circuit Breaker Combination Starter	3,503.62	305.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	182.67	
26 24 19 00-0644 Class II, Type B <small>(26 24 19 00-0625)</small>		
26 24 19 00-0645 EA Size 1, Class II, Type B Circuit Breaker Combination Starter	669.40	170.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.35	
26 24 19 00-0646 EA Size 2, Class II, Type B Circuit Breaker Combination Starter	938.46	170.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	107.59	
26 24 19 00-0647 EA Size 3, Class II, Type B Circuit Breaker Combination Starter	1,338.64	227.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	135.94	
26 24 19 00-0648 EA Size 4, Class II, Type B Circuit Breaker Combination Starter	2,210.21	291.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	175.37	
26 24 19 00-0649 EA Size 5, Class II, Type B Circuit Breaker Combination Starter	4,040.59	355.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	213.86	
26 24 19 00-0650 Class II, Type C <small>(26 24 19 00-0625)</small>		
26 24 19 00-0651 EA Size 1, Class II, Type C Circuit Breaker Combination Starter	850.03	161.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.30	
26 24 19 00-0652 EA Size 2, Class II, Type C Circuit Breaker Combination Starter	978.72	161.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	100.79	
26 24 19 00-0653 EA Size 3, Class II, Type C Circuit Breaker Combination Starter	1,426.89	220.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	131.85	
26 24 19 00-0654 EA Size 4, Class II, Type C Circuit Breaker Combination Starter	2,293.56	284.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	170.26	
26 24 19 00-0655 EA Size 5, Class II, Type C Circuit Breaker Combination Starter	4,133.88	350.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	211.28	
26 24 19 00-0656 Fused Disconnect Combination Starter <small>(26 24 19 00-0484)</small>		
26 24 19 00-0657 Class I, Type A <small>(26 24 19 00-0656)</small>		
26 24 19 00-0658 EA Size 1, Class I, Type A Fused Disconnect Combination Starter	615.06	131.18
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.99	
26 24 19 00-0659 EA Size 2, Class I, Type A Fused Disconnect Combination Starter	932.47	179.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	107.59	
26 24 19 00-0660 EA Size 3, Class I, Type A Fused Disconnect Combination Starter	1,495.47	233.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	140.29	
26 24 19 00-0661 EA Size 4, Class I, Type A Fused Disconnect Combination Starter	2,043.53	327.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	197.04	
26 24 19 00-0662 EA Size 5, Class I, Type A Fused Disconnect Combination Starter	3,621.42	417.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	250.52	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0663			Class I, Type B <small>(26 24 19 00-0656)</small>		
26 24 19 00-0664	EA		Size 1, Class I, Type B Fused Disconnect Combination Starter 630.87	630.87	117.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 70.15	70.15	
26 24 19 00-0665	EA		Size 2, Class I, Type B Fused Disconnect Combination Starter 848.82	848.82	160.63
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 96.35	96.35	
26 24 19 00-0666	EA		Size 3, Class I, Type B Fused Disconnect Combination Starter 1,261.86	1,261.86	214.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 128.95	128.95	
26 24 19 00-0667	EA		Size 4, Class I, Type B Fused Disconnect Combination Starter 2,123.58	2,123.58	310.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 186.56	186.56	
26 24 19 00-0668	EA		Size 5, Class I, Type B Fused Disconnect Combination Starter 3,691.92	3,691.92	394.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 236.98	236.98	
26 24 19 00-0669			Class I, Type C <small>(26 24 19 00-0656)</small>		
26 24 19 00-0670	EA		Size 1, Class I, Type C Fused Disconnect Combination Starter 671.42	671.42	109.43
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 65.68	65.68	
26 24 19 00-0671	EA		Size 2, Class I, Type C Fused Disconnect Combination Starter 901.80	901.80	148.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 89.93	89.93	
26 24 19 00-0672	EA		Size 3, Class I, Type C Fused Disconnect Combination Starter 1,378.09	1,378.09	206.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 125.26	125.26	
26 24 19 00-0673	EA		Size 4, Class I, Type C Fused Disconnect Combination Starter 2,239.16	2,239.16	305.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 182.67	182.67	
26 24 19 00-0674	EA		Size 5, Class I, Type C Fused Disconnect Combination Starter 3,488.32	3,488.32	390.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 233.82	233.82	
26 24 19 00-0675			Class II, Type B <small>(26 24 19 00-0656)</small>		
26 24 19 00-0676	EA		Size 1, Class II, Type B Fused Disconnect Combination Starter 791.38	791.38	164.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 98.52	98.52	
26 24 19 00-0677	EA		Size 2, Class II, Type B Fused Disconnect Combination Starter 1,024.35	1,024.35	204.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 122.63	122.63	
26 24 19 00-0678	EA		Size 3, Class II, Type B Fused Disconnect Combination Starter 1,493.95	1,493.95	263.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 157.99	157.99	
26 24 19 00-0679	EA		Size 4, Class II, Type B Fused Disconnect Combination Starter 2,451.35	2,451.35	355.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 213.86	213.86	
26 24 19 00-0680	EA		Size 5, Class II, Type B Fused Disconnect Combination Starter 4,247.65	4,247.65	444.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 265.70	265.70	
26 24 19 00-0681			Class II, Type C <small>(26 24 19 00-0656)</small>		
26 24 19 00-0682	EA		Size 1, Class II, Type C Fused Disconnect Combination Starter 826.06	826.06	154.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 92.30	92.30	
26 24 19 00-0683	EA		Size 2, Class II, Type C Fused Disconnect Combination Starter 1,077.09	1,077.09	193.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 116.13	116.13	
26 24 19 00-0684	EA		Size 3, Class II, Type C Fused Disconnect Combination Starter 1,593.02	1,593.02	251.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 151.18	151.18	
26 24 19 00-0685	EA		Size 4, Class II, Type C Fused Disconnect Combination Starter 2,556.14	2,556.14	347.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 208.77	208.77	
26 24 19 00-0686	EA		Size 5, Class II, Type C Fused Disconnect Combination Starter 4,350.13	4,350.13	429.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 257.89	257.89	
26 24 19 00-0687			Space Complete With Bus And Hardware <small>(26 24 19 00-0484)</small>		
26 24 19 00-0688			Circuit Breaker Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0689	EA		Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware 187.94	187.94	47.70
26 24 19 00-0690	EA		Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware 187.94	187.94	47.70
26 24 19 00-0691	EA		Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware 279.69	279.69	69.44
26 24 19 00-0692	EA		Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware 329.06	329.06	91.19
26 24 19 00-0693	EA		Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware 557.21	557.21	138.89
26 24 19 00-0694			Fused Disconnect Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0695	EA		Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware 187.94	187.94	47.70
26 24 19 00-0696	EA		Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware 247.09	247.09	69.44
26 24 19 00-0697	EA		Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware 345.01	345.01	91.19
26 24 19 00-0698	EA		Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware 601.73	601.73	138.89
26 24 19 00-0699	EA		Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware 836.07	836.07	202.01
26 24 19 00-0700			Blank Space For Future Expansion <small>(26 24 19 00-0687)</small>		
			Note: Factory modified no labor costs.		
26 24 19 00-0701	EA		Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs 92.89	92.89	
26 24 19 00-0702	EA		Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs 92.89	92.89	
26 24 19 00-0703	EA		Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs 140.84	140.84	
26 24 19 00-0704	EA		Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs 140.84	140.84	
26 24 19 00-0705	EA		Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs 280.18	280.18	
26 24 19 00-0706			Structure Combination Of Starters To 72" High <small>(26 24 19 00-0687)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0707 EA Structure Combination Of Starters To 72" High	2,248.49	369.18
26 24 19 00-0708 Motor Control Center Basic Distribution Section <small>(26 24 19 00-0484)</small>		
26 24 19 00-0709 EA 20" Wide Basic Section With Vertical Wireway	3,655.25	961.41
For 20" Cabinet Depth, Add	108.00	
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amp Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0710 EA 25"-35" Wide Basic Section (No Vertical Wireway).....	3,655.25	961.41
For 20" Cabinet Depth, Add	108.00	
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amp Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0711 EA 25" Wide Basic Section With 9" Wide Vertical Wireway	4,063.47	961.41
For 20" Cabinet Depth, Add	108.00	
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amp Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0712 EA Corner Section.....	4,063.47	961.41
For 20" Cabinet Depth, Add	108.00	
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amp Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0713 Motor Control Center Starters With HMCP Circuit Breaker <small>(26 24 19 00-0484)</small>		
Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0714 FVNR Starters With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		
26 24 19 00-0715 EA Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker	980.35	135.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.01	
26 24 19 00-0716 EA Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker	1,091.32	149.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	89.85	
26 24 19 00-0717 EA Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker	1,908.25	201.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	120.80	
26 24 19 00-0718 EA Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker	2,775.25	265.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	159.28	
26 24 19 00-0719 EA Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker	6,402.83	331.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	199.05	
26 24 19 00-0720 EA Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker	15,099.29	331.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	199.05	
26 24 19 00-0721 EA Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker	995.21	116.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.07	
26 24 19 00-0722 EA Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker	1,122.48	131.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.91	
26 24 19 00-0723 EA Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker	1,958.36	179.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	107.74	
26 24 19 00-0724 EA Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker	2,783.21	243.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	146.06	
26 24 19 00-0725 EA Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker	6,419.89	314.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	188.56	
26 24 19 00-0726 EA Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker	15,209.93	314.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	188.56	
26 24 19 00-0727 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		
26 24 19 00-0728 EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	1,583.34	168.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	101.36	
26 24 19 00-0729 EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	1,948.17	186.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	112.17	
26 24 19 00-0730 EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	3,226.48	251.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	150.74	
26 24 19 00-0731 EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	5,578.48	332.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	199.28	
26 24 19 00-0732 EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	10,125.78	415.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	249.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0733 EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	1,615.29	145.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.54	
26 24 19 00-0734 EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	1,996.91	164.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	98.70	
26 24 19 00-0735 EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	3,293.30	224.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	134.90	
26 24 19 00-0736 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	5,601.16	304.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	182.67	
26 24 19 00-0737 EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	10,159.09	393.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	235.91	
26 24 19 00-0738 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker (26 24 19 00-0713)		
26 24 19 00-0739 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	1,739.42	168.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	101.36	
26 24 19 00-0740 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	2,490.26	186.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	112.17	
26 24 19 00-0741 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	4,727.90	251.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	150.74	
26 24 19 00-0742 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	6,441.04	332.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	199.28	
26 24 19 00-0743 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	12,981.92	415.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	249.33	
26 24 19 00-0744 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	1,771.36	145.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.54	
26 24 19 00-0745 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	2,539.00	164.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	98.70	
26 24 19 00-0746 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	4,794.72	224.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	134.90	
26 24 19 00-0747 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	6,463.72	304.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	182.67	
26 24 19 00-0748 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	13,015.22	393.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	235.91	
26 24 19 00-0749 Motor Control Center Starters With Fusible Disconnect (26 24 19 00-0484)		
Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0750 FVNR Starters With Fusible Disconnect (26 24 19 00-0749)		
26 24 19 00-0751 EA Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect.....	784.59	131.66
26 24 19 00-0752 EA Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect.....	1,020.68	178.94
26 24 19 00-0753 EA Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect.....	1,720.18	233.17
26 24 19 00-0754 EA Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect.....	2,918.82	328.42
26 24 19 00-0755 EA Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect.....	5,932.42	417.50
26 24 19 00-0756 EA Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect.....	15,217.72	417.50
26 24 19 00-0757 EA Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect.....	805.43	116.72
26 24 19 00-0758 EA Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect.....	1,051.01	160.28
26 24 19 00-0759 EA Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect.....	1,777.25	214.93
26 24 19 00-0760 EA Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect.....	2,935.89	310.95
26 24 19 00-0761 EA Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect.....	5,939.30	394.98
26 24 19 00-0762 EA Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect.....	15,318.25	394.98
26 24 19 00-0763 Two Speed 2-Winding (TS2W) With Fusible Disconnect (26 24 19 00-0749)		
26 24 19 00-0764 EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,369.08	164.85
26 24 19 00-0765 EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,909.23	223.69
26 24 19 00-0766 EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,971.56	291.31
26 24 19 00-0767 EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	6,284.83	411.69
26 24 19 00-0768 EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	10,277.98	481.76
26 24 19 00-0769 EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,408.58	145.91
26 24 19 00-0770 EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,955.91	200.20
26 24 19 00-0771 EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	3,046.53	268.94
26 24 19 00-0772 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	6,315.49	387.98
26 24 19 00-0773 EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	10,301.10	454.33
26 24 19 00-0774 Two Speed 1-Winding (TS1W) With Fusible Disconnect (26 24 19 00-0749)		
26 24 19 00-0775 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	1,604.23	164.85
26 24 19 00-0776 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,459.65	223.69
26 24 19 00-0777 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	4,488.59	291.31
26 24 19 00-0778 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	6,601.13	411.69
26 24 19 00-0779 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	12,553.53	481.76
26 24 19 00-0780 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	1,644.42	145.91
26 24 19 00-0781 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,506.33	200.20
26 24 19 00-0782 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	4,563.56	268.94
26 24 19 00-0783 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	6,631.80	387.98
26 24 19 00-0784 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	12,576.64	454.33
26 24 19 00-0785 Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit (26 24 19 00-0484)		
Note: Per section. Labor is included in basic distribution section.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0786 EA 600 Amp Horizontal Tin Plated Copper Bus Kit.....	175.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
26 24 19 00-0787 EA 800 Amp Horizontal Tin Plated Copper Bus Kit.....	215.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
26 24 19 00-0788 EA 1,200 Amp Horizontal Tin Plated Copper Bus Kit.....	259.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.33	
26 24 19 00-0789 EA 1,600 Amp Horizontal Tin Plated Copper Bus Kit.....	338.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.33	
26 24 19 00-0790 EA 2,000 Amp Horizontal Tin Plated Copper Bus Kit.....	569.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 24 19 00-0791 EA 1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit.....	100.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
26 24 19 00-0792 Disconnect Switch For Motor Control Centers (26 24 19 00-0484)		
26 24 19 00-0793 3 Pole Circuit Breaker Disconnect For Motor Control Center (26 24 19 00-0792)		
Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0794 EA 150 Amp Rating, 15 To 100 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	539.91	101.36
26 24 19 00-0795 EA 150 Amp Rating, 125 To 150 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	935.51	112.24
26 24 19 00-0796 EA 225 Amp Rating, 70 To 225 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,143.34	151.16
26 24 19 00-0797 EA 400 Amp Rating, 125 To 400 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,889.76	199.22
26 24 19 00-0798 EA 600 Amp Rating, 300 To 600 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	3,251.33	249.02
26 24 19 00-0799 EA 800 Amp Rating, 400 To 800 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	3,703.94	249.02
26 24 19 00-0800 EA 1,200 Amp Rating, 600 To 1,200 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	7,601.92	311.79
26 24 19 00-0801 Fusible Disconnect Switch For Motor Control Center (26 24 19 00-0792)		
Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0802 EA 30 Amp Switch Rating, Fusible Disconnect Switch With 30 Amp Fuse Clips.....	540.46	98.55
26 24 19 00-0803 EA 60 Amp Switch Rating, Fusible Disconnect Switch With 60 Amp Fuse Clips.....	632.84	134.33
26 24 19 00-0804 EA 100 Amp Switch Rating, Fusible Disconnect Switch With 100 Amp Fuse Clips.....	870.21	171.85
26 24 19 00-0805 EA 200 Amp Switch Rating, Fusible Disconnect Switch With 200 Amp Fuse Clips.....	1,640.11	246.21
26 24 19 00-0806 EA 400 Amp Switch Rating, Fusible Disconnect Switch With 400 Amp Fuse Clips.....	2,943.46	313.13
26 24 19 00-0807 EA 600 Amp Switch Rating, Fusible Disconnect Switch With 600 Amp Fuse Clips.....	6,855.70	313.13
26 24 19 00-0808 EA 800 Amp Switch Rating, Fusible Disconnect Switch With 800 Amp Fuse Clips.....	8,474.15	391.42
26 24 19 00-0809 EA 1,200 Amp Switch Rating, Fusible Disconnect Switch With 1,200 Amp Fuse Clips.....	12,569.51	391.42
26 24 19 00-0810 Control Circuit Transformer (26 24 19 00-0484)		
26 24 19 00-0811 EA Control Circuit Transformer, Size 1 Factory Installed.....	49.56	
26 24 19 00-0812 EA Control Circuit Transformer, Size 2 Factory Installed.....	49.56	
26 24 19 00-0813 EA Control Circuit Transformer, Size 3 Factory Installed.....	95.45	
26 24 19 00-0814 EA Control Circuit Transformer, Size 4 Factory Installed.....	95.45	
26 24 19 00-0815 EA Control Circuit Transformer, Size 5 Factory Installed.....	132.60	
26 24 19 00-0816 EA Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay.....	34.57	7.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
26 24 19 00-0817 Cover Mounted Control Devices (26 24 19 00-0484)		
26 24 19 00-0818 EA Control Device, 2 Unit Push Button Station Cover Mounted.....	78.79	14.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.77	
26 24 19 00-0819 EA Control Device, 2-3 Unit Selector Switch Cover Mounted.....	87.93	14.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.96	
26 24 19 00-0820 EA Control Device, Pilot Light Cover Mounted.....	75.13	14.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.57	
26 24 19 00-0821 EA Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light.....	198.61	47.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.75	
26 24 19 00-0822 EA Auxiliary Contact Add Per Starter.....	249.69	18.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.91	
26 24 19 00-0823 Extra Interlocks (26 24 19 00-0484)		
Note: Per contact.		
26 24 19 00-0824 EA Extra Interlocks, Class I, Type A Per Contact.....	50.91	9.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.57	
26 24 19 00-0825 EA Extra Interlocks, Class I, Type B Per Contact.....	71.63	9.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.57	
26 24 19 00-0826 EA Extra Interlocks, Class I, Type C Per Contact.....	80.42	9.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.48	
26 24 19 00-0827 EA Extra Interlocks, Class II, Type B Per Contact.....	72.63	9.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.39	
26 24 19 00-0828 EA Extra Interlocks, Class II, Type C Per Contact.....	77.33	9.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.31	
26 24 19 00-0829 Special Cabinet Provisions (26 24 19 00-0484)		
26 24 19 00-0830 EA Provisions For Bus Duct Entrance Special Cabinet Provisions.....	620.40	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 24 19 00-0831	Nameplate Requirements <small>(26 24 19 00-0484)</small>		
26 24 19 00-0832	EA Special Cabinet Nameplate Requirements	22.03	
26 24 19 00-0833	Auxiliary Relays <small>(26 24 19 00-0484)</small>		
26 24 19 00-0834	EA Industrial Control Relay, 10 Amp Class A600 With 2 Contacts.....	116.72	17.57
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 24 19 00-0835	EA Timing Relay, Solid State, DPDT 0,1-10 Sec Variable, Off-Delay.....	110.09	15.81
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 24 19 00-0836	EA General Purpose Control Relay, 240 Volt AC, 10 Amp, With Base.....	60.63	15.81
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 24 19 00-0837	Motor Control Center Accessories <small>(26 24 19 00-0484)</small>		
26 24 19 00-0838	Lighting Transformer With Circuit Breaker <small>(26 24 19 00-0837)</small>		
	Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839	EA 1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	3,539.73	226.88
26 24 19 00-0840	EA 1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	3,680.24	235.96
26 24 19 00-0841	EA 1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,027.56	254.10
26 24 19 00-0842	EA 1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,073.82	272.26
26 24 19 00-0843	EA 1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	6,839.41	290.40
26 24 19 00-0844	EA 1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	8,408.47	326.71
26 24 19 00-0845	EA 1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	11,063.53	363.01
26 24 19 00-0846	EA 3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	6,442.01	299.48
26 24 19 00-0847	EA 3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	6,998.62	326.71
26 24 19 00-0848	EA 3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	8,006.89	363.01
26 24 19 00-0849	EA 3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	8,491.21	399.31
26 24 19 00-0850	EA 3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	10,255.29	435.61
26 24 19 00-0851	EA 3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	10,576.45	471.91
26 24 19 00-0852	Bolt-On Lighting Panel <small>(26 24 19 00-0837)</small>		
	Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0853	EA 18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	1,403.09	365.04
26 24 19 00-0854	EA 30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,165.56	635.38
26 24 19 00-0855	EA 42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,872.83	859.63
26 24 19 00-0856	EA 18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	1,462.95	394.98
26 24 19 00-0857	EA 30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	2,138.53	621.84
26 24 19 00-0858	EA 42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	2,980.28	913.37
26 24 19 00-0859	EA 18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	2,432.44	423.40
26 24 19 00-0860	EA 30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	3,200.01	679.71
26 24 19 00-0861	EA 42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	3,977.07	913.37
26 24 19 00-0862	EA 18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	2,499.04	456.65
26 24 19 00-0863	EA 30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	3,200.01	679.71
26 24 19 00-0864	EA 42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	4,036.00	942.82
26 24 19 00-0865	Factory Installed Bolt-On Branch Circuit Breaker <small>(26 24 19 00-0837)</small>		
	Note: For MCC lighting panel only.		
26 24 19 00-0866	EA 15 A / 1 Pole - 30 A / 1 Pole Bolt-On Branch Circuit Breaker.....	13.52	
26 24 19 00-0867	EA 15 A / 1 Pole - 30 A / 1 Pole (GFI) Bolt-On Branch Circuit Breaker	191.20	
26 24 19 00-0868	EA 15 A / 2 Pole - 50 A / 2 Pole Bolt-On Branch Circuit Breaker.....	26.43	
26 24 19 00-0869	EA 60 A / 2 Pole - 100 A / 2 Pole Bolt-On Branch Circuit Breaker.....	60.86	
26 24 19 00-0870	EA 15 A / 3 Pole - 50 A / 3 Pole Bolt-On Branch Circuit Breaker.....	71.31	
26 24 19 00-0871	EA 60 A / 3 Pole - 100 A / 3 Pole Bolt-On Branch Circuit Breaker.....	108.19	
26 24 19 00-0872	Blank Unit Door (BUD) <small>(26 24 19 00-0837)</small>		
	Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0873	EA 6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	50.99	
26 24 19 00-0874	EA 12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	61.18	
26 24 19 00-0875	EA 18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	91.78	
26 24 19 00-0876	EA 24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	122.37	
26 24 19 00-0877	EA 30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	183.55	
26 24 19 00-0878	EA 48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	214.14	
26 24 19 00-0879	EA 72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	244.74	
26 25	Enclosed Bus Assemblies <small>(26 20)</small>		
26 25 00 00-0001	Bus Ducts <small>(26 25)</small>		
26 25 00 00-0002	Plug-In Bus Duct <small>(26 25 00 00-0001)</small>		
	Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 00 00-0003	600 Volt, 3-Phase, 3-Wire, Copper Conductors <small>(26 25 00 00-0002)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0004 LF 225 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	226.73	21.05
<i>For Up To 25, Add</i>	56.68	
<i>For >25 To 50, Add</i>	34.01	
<i>For >50 To 100, Add</i>	17.00	
26 25 00 00-0005 LF 400 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	325.72	21.05
<i>For Up To 25, Add</i>	81.43	
<i>For >25 To 50, Add</i>	48.86	
<i>For >50 To 100, Add</i>	24.43	
26 25 00 00-0006 LF 600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	414.61	28.05
<i>For Up To 25, Add</i>	103.65	
<i>For >25 To 50, Add</i>	62.19	
<i>For >50 To 100, Add</i>	31.10	
26 25 00 00-0007 LF 800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	578.19	28.05
<i>For Up To 25, Add</i>	144.55	
<i>For >25 To 50, Add</i>	86.73	
<i>For >50 To 100, Add</i>	43.36	
26 25 00 00-0008 LF 1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	609.60	35.07
<i>For Up To 25, Add</i>	152.40	
<i>For >25 To 50, Add</i>	91.44	
<i>For >50 To 100, Add</i>	45.72	
26 25 00 00-0009 LF 1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	856.09	35.07
<i>For Up To 25, Add</i>	214.02	
<i>For >25 To 50, Add</i>	128.41	
<i>For >50 To 100, Add</i>	64.21	
26 25 00 00-0010 LF 1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,005.28	36.83
<i>For Up To 25, Add</i>	251.32	
<i>For >25 To 50, Add</i>	150.79	
<i>For >50 To 100, Add</i>	75.40	
26 25 00 00-0011 LF 2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,229.06	37.88
<i>For Up To 25, Add</i>	307.27	
<i>For >25 To 50, Add</i>	184.36	
<i>For >50 To 100, Add</i>	92.18	
26 25 00 00-0012 LF 2,500 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,521.73	39.99
<i>For Up To 25, Add</i>	380.43	
<i>For >25 To 50, Add</i>	228.26	
<i>For >50 To 100, Add</i>	114.13	
26 25 00 00-0013 LF 3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,756.74	46.64
<i>For Up To 25, Add</i>	439.19	
<i>For >25 To 50, Add</i>	263.51	
<i>For >50 To 100, Add</i>	131.76	
26 25 00 00-0014 LF 4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,035.26	50.85
<i>For Up To 25, Add</i>	508.82	
<i>For >25 To 50, Add</i>	305.29	
<i>For >50 To 100, Add</i>	152.64	
26 25 00 00-0015 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors <small>(26 25 00 00-0002)</small>		
26 25 00 00-0016 LF 225 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	382.12	21.05
<i>For Up To 25, Add</i>	95.53	
<i>For >25 To 50, Add</i>	57.32	
<i>For >50 To 100, Add</i>	28.66	
26 25 00 00-0017 LF 400 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	556.11	21.05
<i>For Up To 25, Add</i>	139.03	
<i>For >25 To 50, Add</i>	83.42	
<i>For >50 To 100, Add</i>	41.71	
26 25 00 00-0018 LF 600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	628.82	28.05
<i>For Up To 25, Add</i>	157.21	
<i>For >25 To 50, Add</i>	94.32	
<i>For >50 To 100, Add</i>	47.16	
26 25 00 00-0019 LF 800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	802.59	28.05
<i>For Up To 25, Add</i>	200.65	
<i>For >25 To 50, Add</i>	120.39	
<i>For >50 To 100, Add</i>	60.19	
26 25 00 00-0020 LF 1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	981.71	35.07
<i>For Up To 25, Add</i>	245.43	
<i>For >25 To 50, Add</i>	147.26	
<i>For >50 To 100, Add</i>	73.63	
26 25 00 00-0021 LF 1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,277.39	35.07
<i>For Up To 25, Add</i>	319.35	
<i>For >25 To 50, Add</i>	191.61	
<i>For >50 To 100, Add</i>	95.80	
26 25 00 00-0022 LF 1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,655.33	36.34
<i>For Up To 25, Add</i>	413.83	
<i>For >25 To 50, Add</i>	248.30	
<i>For >50 To 100, Add</i>	124.15	
26 25 00 00-0023 LF 2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,997.89	37.88
<i>For Up To 25, Add</i>	499.47	
<i>For >25 To 50, Add</i>	299.68	
<i>For >50 To 100, Add</i>	149.84	
26 25 00 00-0024 LF 2,500 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,482.85	39.63
<i>For Up To 25, Add</i>	620.71	
<i>For >25 To 50, Add</i>	372.43	
<i>For >50 To 100, Add</i>	186.21	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 25	Enclosed Bus Assemblies



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0025 LF 3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors..... <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i> <i>For >50 To 100, Add</i>	2,865.76 716.44 429.86 214.93	46.64
26 25 00 00-0026 LF 4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors..... <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i> <i>For >50 To 100, Add</i>	3,324.29 831.07 498.64 249.32	50.85
26 25 00 00-0027 Cable Tap Boxes <small>(26 25 00 00-0002)</small>		
26 25 00 00-0028 600 Volt, 3-Phase, 3-Wire, Copper Conductors <small>(26 25 00 00-0027)</small>		
26 25 00 00-0029 EA 225 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	1,926.62	98.20
26 25 00 00-0030 EA 400 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	1,978.00	98.20
26 25 00 00-0031 EA 600 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,130.27	133.27
26 25 00 00-0032 EA 800 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,257.99	133.27
26 25 00 00-0033 EA 1,000 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,415.09	175.36
26 25 00 00-0034 EA 1,350 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,643.57	175.36
26 25 00 00-0035 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors <small>(26 25 00 00-0027)</small>		
26 25 00 00-0036 EA 225 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	1,978.00	192.90
26 25 00 00-0037 EA 400 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,138.31	192.90
26 25 00 00-0038 EA 600 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,273.37	263.05
26 25 00 00-0039 EA 800 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,552.65	263.05
26 25 00 00-0040 EA 1,000 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,673.18	350.73
26 25 00 00-0041 EA 1,350 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,045.35	350.73
26 25 00 00-0042 Bus Duct Plug-In Circuit Breaker <small>(26 25 00 00-0002)</small>		
26 25 00 00-0043 240 Volt, 3-Phase <small>(26 25 00 00-0042)</small>		
26 25 00 00-0044 EA 60 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker	848.68	70.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.37	
26 25 00 00-0045 EA 100 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker	1,726.69	70.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.26	
26 25 00 00-0046 600 Volt, 3-Phase <small>(26 25 00 00-0042)</small>		
26 25 00 00-0047 EA 60 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker	1,690.41	70.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.37	
26 25 00 00-0048 EA 100 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker	2,190.09	70.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.26	
26 25 00 00-0049 120/208 Volt, 3-Phase, 4-Wire <small>(26 25 00 00-0042)</small>		
26 25 00 00-0050 EA 60 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	977.79	84.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.84	
26 25 00 00-0051 EA 100 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,164.68	84.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.80	
26 25 00 00-0052 277/480 Volt, 3-Phase, 4-Wire <small>(26 25 00 00-0042)</small>		
26 25 00 00-0053 EA 60 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,128.15	84.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.84	
26 25 00 00-0054 EA 100 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,753.43	84.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.80	
26 25 00 00-0055 EA 225 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	2,496.33	291.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.16	
26 25 00 00-0056 EA 400 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	5,996.42	291.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	274.01	
26 25 00 00-0057 EA 600 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	6,593.33	841.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	381.23	
26 25 00 00-0058 EA 800 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	7,970.02	841.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	674.48	
26 25 00 00-0059 Bus Duct Plug-In Fusible Switch <small>(26 25 00 00-0002)</small>		
26 25 00 00-0060 240 Volt, 3-Pole, 3-Fuse <small>(26 25 00 00-0059)</small>		
26 25 00 00-0061 EA 30 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	846.61	70.15
26 25 00 00-0062 EA 60 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	923.99	70.15
26 25 00 00-0063 EA 100 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	1,285.19	84.17
26 25 00 00-0064 EA 200 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	2,162.05	168.35
26 25 00 00-0065 EA 400 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	5,513.58	378.78
26 25 00 00-0066 EA 600 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	8,149.97	659.36
26 25 00 00-0067 600 Volt, 3-Pole, 3-Fuse <small>(26 25 00 00-0059)</small>		
26 25 00 00-0068 EA 30 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	887.47	77.16
26 25 00 00-0069 EA 60 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	962.54	77.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0070 EA 100 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	1,301.47	77.16
26 25 00 00-0071 EA 200 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	2,225.17	161.34
26 25 00 00-0072 EA 400 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	5,494.84	364.75
26 25 00 00-0073 EA 600 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	8,282.82	701.45
26 25 00 00-0074 EA 800 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	13,790.96	911.89
26 25 00 00-0075 120/208 Volt, 4-pole, 3 Fuse <small>(26 25 00 00-0059)</small>		
26 25 00 00-0076 EA 30 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	982.30	91.19
26 25 00 00-0077 EA 60 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,046.21	91.19
26 25 00 00-0078 EA 100 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,415.62	91.19
26 25 00 00-0079 EA 200 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	2,402.36	189.39
26 25 00 00-0080 EA 400 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	6,033.76	420.87
26 25 00 00-0081 EA 600 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	8,760.12	645.34
26 25 00 00-0082 277/480 Volt, 4-pole, 3-Fuse <small>(26 25 00 00-0059)</small>		
26 25 00 00-0083 EA 30 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,016.87	91.19
26 25 00 00-0084 EA 60 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,080.79	77.37
26 25 00 00-0085 EA 100 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,515.62	105.22
26 25 00 00-0086 EA 200 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	2,508.75	189.39
26 25 00 00-0087 EA 400 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	6,033.76	420.87
26 25 00 00-0088 EA 600 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	8,760.12	645.34
26 25 00 00-0089 EA 800 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	14,023.58	855.77
26 25 00 00-0090 Feeder Bus Duct <small>(26 25 00 00-0001)</small>		
Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 00 00-0091 600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance <small>(26 25 00 00-0090)</small>		
Note: Copper conductors.		
26 25 00 00-0092 LF 800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	703.40	29.46
For Up To 25, Add	175.85	
For >25 To 50, Add	105.51	
For >50 To 100, Add	52.76	
26 25 00 00-0093 LF 1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	711.51	29.46
For Up To 25, Add	177.88	
For >25 To 50, Add	106.73	
For >50 To 100, Add	53.36	
26 25 00 00-0094 LF 1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	936.07	29.46
For Up To 25, Add	234.02	
For >25 To 50, Add	140.41	
For >50 To 100, Add	70.21	
26 25 00 00-0095 LF 1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	1,127.31	29.46
For Up To 25, Add	281.83	
For >25 To 50, Add	169.10	
For >50 To 100, Add	84.55	
26 25 00 00-0096 LF 2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	1,379.92	29.46
For Up To 25, Add	344.98	
For >25 To 50, Add	206.99	
For >50 To 100, Add	103.49	
26 25 00 00-0097 LF 3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	1,881.90	70.15
For Up To 25, Add	470.48	
For >25 To 50, Add	282.29	
For >50 To 100, Add	141.14	
26 25 00 00-0098 LF 4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	2,607.55	70.15
For Up To 25, Add	651.89	
For >25 To 50, Add	391.13	
For >50 To 100, Add	195.57	
26 25 00 00-0099 LF 5,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	3,084.82	70.15
For Up To 25, Add	771.21	
For >25 To 50, Add	462.72	
For >50 To 100, Add	231.36	
26 25 00 00-0100 LF 6,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	3,804.46	70.15
For Up To 25, Add	951.12	
For >25 To 50, Add	570.67	
For >50 To 100, Add	285.33	
26 25 00 00-0101 277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated <small>(26 25 00 00-0090)</small>		
Note: Low impedance, copper conductors.		
26 25 00 00-0102 LF 800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	809.47	31.56
For Up To 25, Add	202.37	
For >25 To 50, Add	121.42	
For >50 To 100, Add	60.71	
26 25 00 00-0103 LF 1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	819.73	31.56
For Up To 25, Add	204.93	
For >25 To 50, Add	122.96	
For >50 To 100, Add	61.48	
26 25 00 00-0104 LF 1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	1,059.18	31.56
For Up To 25, Add	264.80	
For >25 To 50, Add	158.88	
For >50 To 100, Add	79.44	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 25 Enclosed Bus Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0105	LF		1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	1,255.93	31.56
			<i>For Up To 25, Add</i>	313.98	
			<i>For >25 To 50, Add</i>	188.39	
			<i>For >50 To 100, Add</i>	94.19	
26 25 00 00-0106	LF		2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	1,518.78	31.56
			<i>For Up To 25, Add</i>	379.70	
			<i>For >25 To 50, Add</i>	227.82	
			<i>For >50 To 100, Add</i>	113.91	
26 25 00 00-0107	LF		3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	2,339.34	54.01
			<i>For Up To 25, Add</i>	584.84	
			<i>For >25 To 50, Add</i>	350.90	
			<i>For >50 To 100, Add</i>	175.45	
26 25 00 00-0108	LF		4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	2,934.91	54.01
			<i>For Up To 25, Add</i>	733.73	
			<i>For >25 To 50, Add</i>	440.24	
			<i>For >50 To 100, Add</i>	220.12	
26 25 00 00-0109	LF		5,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	3,471.64	100.31
			<i>For Up To 25, Add</i>	867.91	
			<i>For >25 To 50, Add</i>	520.75	
			<i>For >50 To 100, Add</i>	260.37	
26 25 00 00-0110	LF		6,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	4,288.01	100.31
			<i>For Up To 25, Add</i>	1,072.00	
			<i>For >25 To 50, Add</i>	643.20	
			<i>For >50 To 100, Add</i>	321.60	

26 26 Power Distribution Units (26 20)

Note: Includes wiring connections and testing.

26 26 00 00-0001 Liebert Precision Power Center (26 26)

Note: With K20 Trans Spike Suppression Modules Lighting/ Surge Arrestors. Includes start-up.

26 26 00 00-0002	EA		PDU 15 KVA 480-208/120 (Liebert PPA01C)	11,083.37	215.70
26 26 00 00-0003	EA		PDU 15 KVA 208-208/120 (Liebert PPC015C)	10,709.47	215.70
26 26 00 00-0004	EA		PDU 30 KVA 480-208/120 (Liebert PPA030C)	12,490.61	233.80
26 26 00 00-0005	EA		PDU 30 KVA 208-208/120 (Liebert PPC030C)	12,926.82	233.80
26 26 00 00-0006	EA		PDU 50 KVA 480-208/120 (Liebert PPA050C)	14,120.70	259.54
26 26 00 00-0007	EA		PDU 50 KVA 208-208/120 (Liebert PPC050C)	14,730.99	259.54
26 26 00 00-0008	EA		PDU 75 KVA 480-208/120 (Liebert PPA075C)	15,575.30	280.58
26 26 00 00-0009	EA		PDU 75 KVA 208-208/120 (Liebert PPC075C)	16,946.27	280.58
26 26 00 00-0010	EA		PDU 100 KVA 480-208/120 (Liebert PPA100C)	16,941.15	350.73
26 26 00 00-0011	EA		PDU 100 KVA 208-208/120 (Liebert PPC100C)	18,499.07	350.73
26 26 00 00-0012	EA		PDU 125 KVA 480-208/120 (Liebert PPA125C)	19,013.27	420.87
26 26 00 00-0013	EA		PDU 125 KVA 208-208/120 (Liebert PPC125C)	20,758.13	420.87
26 26 00 00-0014	EA		PDU 150 KVA 480-208/120 (Liebert PPA150C)	23,017.19	491.02
26 26 00 00-0015	EA		PDU 150 KVA 208-208/120 (Liebert PPC150C)	23,951.93	491.02
26 26 00 00-0016	EA		PDU 200 KVA 480-208/120 (Liebert PPA200C)	25,333.44	561.16
26 26 00 00-0017	EA		PDU 225 KVA 480-208/120 (Liebert PPA225C)	26,621.32	631.31
26 26 00 00-0018	EA		Ex Panelboard 10-30 KVA	958.71	70.15
26 26 00 00-0019	EA		Ex Panelboard 50-125 KVA	1,430.00	87.68
26 26 00 00-0020	EA		Ex Panelboard 150-220 KVA	3,209.95	105.22
26 26 00 00-0021	EA		Removal And Reinstallation Of Power Distribution Unit	1,122.33	
			Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.		
26 26 00 00-0022	EA		Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	841.75	

26 27 Low-Voltage Distribution Equipment (26 20)

26 27 13 Electricity Metering (26 27)

26 27 13 00-0001 Revenue Metering (26 27 13)

26 27 13 00-0002 Meter Socket Base (26 27 13 00-0001)

Note: NEMA 3R.

26 27 13 00-0003	EA		100 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	152.57	45.59
26 27 13 00-0004	EA		100 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	161.35	45.59
26 27 13 00-0005	EA		200 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	208.80	56.12
26 27 13 00-0006	EA		200 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	211.30	56.12
26 27 13 00-0007	EA		200 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	400.41	63.13
26 27 13 00-0008	EA		320 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release	530.02	70.15
26 27 13 00-0009	EA		400 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release	1,292.51	77.16
26 27 13 00-0010	EA		Combination Motor And Current Transformer Cabinet, 15-30 A, 13 Terminal, Underground, With Test Switch And Transformer - Socket Base	1,530.77	350.73

26 27 13 00-0011 Meter Device (26 27 13 00-0001)

Note: Direct read, with 15 minute demand.

26 27 13 00-0012	EA		100 To 200 Amp, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	146.93	14.03
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.63	
26 27 13 00-0013	EA		200 Amp, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	409.28	14.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.78	

26 27 13 00-0014 Current Transformer Enclosure (26 27 13 00-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0015 EA Current Transformer Cover, Screwed, 18" x 24" x 9", NEMA 3R.....	317.73	91.19
26 27 13 00-0016 120/240 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)		
26 27 13 00-0017 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max., 2 Pole (26 27 13 00-0016)		
26 27 13 00-0018 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	570.57	43.84
26 27 13 00-0019 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	750.02	52.61
26 27 13 00-0020 EA 5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	928.51	61.38
26 27 13 00-0021 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,075.77	70.15
26 27 13 00-0022 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,398.19	78.91
26 27 13 00-0023 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,510.40	87.68
26 27 13 00-0024 EA 10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,763.26	105.22
26 27 13 00-0025 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max., 2 Pole (26 27 13 00-0016)		
26 27 13 00-0026 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,043.99	43.84
26 27 13 00-0027 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,373.98	52.61
26 27 13 00-0028 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,891.95	70.15
26 27 13 00-0029 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	2,098.85	78.91
26 27 13 00-0030 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	2,637.14	87.68
26 27 13 00-0031 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0016)		
26 27 13 00-0032 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	872.65	61.38
26 27 13 00-0033 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,143.94	70.15
26 27 13 00-0034 EA 5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,398.19	78.91
26 27 13 00-0035 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,642.96	87.68
26 27 13 00-0036 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,067.64	96.46
26 27 13 00-0037 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,170.40	105.22
26 27 13 00-0038 EA 10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,688.35	122.75
26 27 13 00-0039 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0016)		
26 27 13 00-0040 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,344.17	61.38
26 27 13 00-0041 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,759.38	70.15
26 27 13 00-0042 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,476.18	87.68
26 27 13 00-0043 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,654.68	96.46
26 27 13 00-0044 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,391.79	105.22
26 27 13 00-0045 120/208 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)		
26 27 13 00-0046 800 Amp Bus, 5 Jaw Sockets, 125 A Max., 2 Pole (26 27 13 00-0045)		
26 27 13 00-0047 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	622.19	52.61
26 27 13 00-0048 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	812.05	61.38
26 27 13 00-0049 EA 5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,000.97	70.15
26 27 13 00-0050 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,161.48	78.91
26 27 13 00-0051 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,425.19	87.68
26 27 13 00-0052 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,537.41	96.46
26 27 13 00-0053 EA 10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,894.41	113.98
26 27 13 00-0054 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole (26 27 13 00-0045)		
26 27 13 00-0055 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,099.40	52.61
26 27 13 00-0056 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,448.33	61.38
26 27 13 00-0057 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,089.38	78.91
26 27 13 00-0058 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,296.28	87.68
26 27 13 00-0059 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,777.79	96.46
26 27 13 00-0060 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0045)		
26 27 13 00-0061 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	924.28	70.15
26 27 13 00-0062 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,199.37	78.91
26 27 13 00-0063 EA 5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,482.02	87.68
26 27 13 00-0064 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,726.80	96.46
26 27 13 00-0065 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,170.42	105.22
26 27 13 00-0066 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,273.15	113.98
26 27 13 00-0067 EA 10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,829.01	131.53
26 27 13 00-0068 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0045)		
26 27 13 00-0069 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,409.06	70.15
26 27 13 00-0070 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,852.69	78.91
26 27 13 00-0071 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,654.70	96.46
26 27 13 00-0072 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,776.38	105.22
26 27 13 00-0073 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,522.98	113.98
26 27 13 00-0074 120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing (26 27 13 00-0001)		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0075 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0076 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	570.57	43.84
26 27 13 00-0077 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	750.02	52.61
26 27 13 00-0078 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,075.77	70.15
26 27 13 00-0079 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,398.19	78.91
26 27 13 00-0080 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,728.17	87.68
26 27 13 00-0081 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0082 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,043.99	43.84
26 27 13 00-0083 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,373.98	52.61
26 27 13 00-0084 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,986.62	70.15
26 27 13 00-0085 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,193.53	78.91
26 27 13 00-0086 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,637.14	87.68
26 27 13 00-0087 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0088 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	872.65	61.38
26 27 13 00-0089 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,143.94	70.15
26 27 13 00-0090 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,642.96	87.68
26 27 13 00-0091 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,067.64	96.46
26 27 13 00-0092 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,170.40	105.22
26 27 13 00-0093 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0094 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,344.18	61.38
26 27 13 00-0095 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,759.38	70.15
26 27 13 00-0096 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,476.18	87.68
26 27 13 00-0097 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,654.68	96.46
26 27 13 00-0098 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,391.82	105.22
26 27 13 00-0099 120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0100 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0101 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	622.19	52.61
26 27 13 00-0102 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	812.05	61.38
26 27 13 00-0103 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,161.48	78.91
26 27 13 00-0104 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,519.87	87.68
26 27 13 00-0105 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,726.78	96.46
26 27 13 00-0106 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0107 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,099.40	52.61
26 27 13 00-0108 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,448.32	61.38
26 27 13 00-0109 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,994.69	78.91
26 27 13 00-0110 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,201.59	87.68
26 27 13 00-0111 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,777.77	96.46
26 27 13 00-0112 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0113 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	924.27	70.15
26 27 13 00-0114 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,199.35	78.91
26 27 13 00-0115 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,726.78	96.46
26 27 13 00-0116 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,170.40	105.22
26 27 13 00-0117 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,273.15	113.98
26 27 13 00-0118 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0119 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,409.05	70.15
26 27 13 00-0120 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,852.67	78.91
26 27 13 00-0121 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,654.68	96.46
26 27 13 00-0122 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,776.38	105.22
26 27 13 00-0123 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,522.98	113.98
26 27 13 00-0124 Watt/Hour Meters <small>(26 27 13)</small>		
26 27 13 00-0125 EA Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	611.62	42.09
26 27 13 00-0126 EA Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	1,847.65	84.17
26 27 13 00-0127 EA Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	986.04	63.13
26 27 13 00-0128 EA Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	1,202.28	63.13
26 27 13 00-0129 EA Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	1,017.81	63.13
26 27 13 00-0130 EA C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	687.13	58.22
26 27 13 00-0131 EA P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,175.60	105.22
26 27 13 00-0132 Watt/Hour Meter Systems <small>(26 27 13)</small>		
Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0133 Watt/Hour Meter System Without Main Breaker <small>(26 27 13 00-0132)</small>		
26 27 13 00-0134 EA 400 Amp System; 200 Amp M-90 Meter And Enclosure.....	3,036.95	420.94
26 27 13 00-0135 EA 600-800 Amp System; 200 Amp M-90 Meter And Enclosure.....	3,547.27	420.94
26 27 13 00-0136 Watt/Hour Meter System With Main Breaker <small>(26 27 13 00-0132)</small>		
26 27 13 00-0137 EA 400 Amp System; 400 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	5,277.53	420.94
26 27 13 00-0138 EA 600 Amp System; 600 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	6,390.33	420.94
26 27 13 00-0139 EA 800 Amp System; 800 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	6,862.26	420.94
26 27 16 Electrical Cabinets And Enclosures <small>(26 27)</small>		
Note: Can be used as enclosure or pull/junction boxes.		
26 27 16 00-0001 NEMA 1 Enclosures <small>(26 27 16)</small>		
26 27 16 00-0002 Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0001)</small>		
26 27 16 00-0003 4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>		
26 27 16 00-0004 EA 6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	43.28	14.03
26 27 16 00-0005 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	48.44	15.43
26 27 16 00-0006 EA 8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	53.66	16.83
26 27 16 00-0007 EA 8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	62.64	19.64
26 27 16 00-0008 EA 10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	68.12	21.05
26 27 16 00-0009 EA 10" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	73.98	22.45
26 27 16 00-0010 EA 12" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	73.79	22.45
26 27 16 00-0011 EA 12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	79.77	23.85
26 27 16 00-0012 EA 12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	86.03	25.26
26 27 16 00-0013 EA 16" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	111.84	33.67
26 27 16 00-0014 EA 16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	135.63	40.69
26 27 16 00-0015 EA 18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	129.04	39.28
26 27 16 00-0016 6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>		
26 27 16 00-0017 EA 6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	54.03	16.83
26 27 16 00-0018 EA 8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	65.35	19.64
26 27 16 00-0019 EA 10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	78.14	23.85
26 27 16 00-0020 EA 10" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	84.26	25.26
26 27 16 00-0021 EA 12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	90.50	26.65
26 27 16 00-0022 EA 12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	97.01	28.05
26 27 16 00-0023 EA 16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	123.44	36.48
26 27 16 00-0024 EA 16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	149.86	44.89
26 27 16 00-0025 EA 18" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	144.58	43.50
26 27 16 00-0026 EA 18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	188.12	56.12
26 27 16 00-0027 EA 24" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	239.20	64.53
26 27 16 00-0028 EA 24" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	272.24	70.15
26 27 16 00-0029 EA 30" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	301.94	74.36
26 27 16 00-0030 EA 36" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	328.15	77.16
26 27 16 00-0031 Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0001)</small>		
26 27 16 00-0032 3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0031)</small>		
26 27 16 00-0033 EA 4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	31.22	9.82
26 27 16 00-0034 EA 6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	44.61	14.03
26 27 16 00-0035 EA 8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	49.82	15.43
26 27 16 00-0036 4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0031)</small>		
26 27 16 00-0037 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	34.84	11.22
26 27 16 00-0038 EA 6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	43.17	14.03
26 27 16 00-0039 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	48.28	15.43
26 27 16 00-0040 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	53.48	16.83
26 27 16 00-0041 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	62.40	19.64
26 27 16 00-0042 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	67.86	21.05
26 27 16 00-0043 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	73.62	22.45
26 27 16 00-0044 EA 12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	73.40	22.45
26 27 16 00-0045 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	79.42	23.85
26 27 16 00-0046 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	85.62	25.26
26 27 16 00-0047 EA 16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	111.84	33.67
26 27 16 00-0048 EA 16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	138.52	42.09
26 27 16 00-0049 EA 18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	128.47	39.28
26 27 16 00-0050 EA 18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	166.50	50.50
26 27 16 00-0051 EA 24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	242.67	63.13
26 27 16 00-0052 6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0031)</small>		
26 27 16 00-0053 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	53.80	16.83
26 27 16 00-0054 EA 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	59.42	18.24
26 27 16 00-0055 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	68.49	21.05
26 27 16 00-0056 EA 10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	77.77	23.85

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0057 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	83.88	25.26
26 27 16 00-0058 EA 12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	90.06	26.65
26 27 16 00-0059 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	96.51	28.05
26 27 16 00-0060 EA 16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	123.44	36.48
26 27 16 00-0061 EA 16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	151.65	44.89
26 27 16 00-0062 EA 18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	143.94	43.50
26 27 16 00-0063 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	187.24	56.12
26 27 16 00-0064 EA 24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	235.15	64.53
26 27 16 00-0065 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	270.38	70.15
26 27 16 00-0066 EA 30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	292.24	74.36
26 27 16 00-0067 EA 36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	320.64	77.16
26 27 16 00-0068 8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
26 27 16 00-0069 EA 8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	77.77	23.85
26 27 16 00-0070 EA 12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	106.48	30.86
26 27 16 00-0071 EA 16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	135.35	39.28
26 27 16 00-0072 EA 16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	167.91	49.10
26 27 16 00-0073 EA 18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	160.31	47.70
26 27 16 00-0074 EA 18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	198.63	58.93
26 27 16 00-0075 EA 24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	221.13	67.34
26 27 16 00-0076 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	258.01	71.55
26 27 16 00-0077 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	298.20	77.16
26 27 16 00-0078 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	317.46	81.37
26 27 16 00-0079 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	333.83	84.17
26 27 16 00-0080 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	343.19	84.17
26 27 16 00-0081 10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
26 27 16 00-0082 EA 18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	182.12	53.31
26 27 16 00-0083 EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	240.01	68.74
26 27 16 00-0084 EA 24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	242.17	72.95
26 27 16 00-0085 EA 24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	317.91	78.57
26 27 16 00-0086 EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	366.67	86.98
26 27 16 00-0087 EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	408.47	89.79
26 27 16 00-0088 EA 36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	436.16	94.00
26 27 16 00-0089 12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
26 27 16 00-0090 EA 18" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	265.01	75.76
26 27 16 00-0091 EA 24" x 12" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	262.91	79.96
26 27 16 00-0092 EA 24" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	349.40	86.98
26 27 16 00-0093 EA 24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	400.12	95.40
26 27 16 00-0094 EA 30" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	450.72	99.60
26 27 16 00-0095 EA 36" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	475.68	103.81
26 27 16 00-0096 NEMA 12 Enclosures (26 27 16)		
Note: Dust-tight enclosures.		
26 27 16 00-0097 Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0096)		
26 27 16 00-0098 4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0097)		
26 27 16 00-0099 EA 4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	59.08	11.22
26 27 16 00-0100 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	77.17	15.43
26 27 16 00-0101 EA 8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	95.63	19.64
26 27 16 00-0102 EA 10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	103.47	21.05
26 27 16 00-0103 EA 12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	115.83	22.45
26 27 16 00-0104 EA 12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	124.68	23.85
26 27 16 00-0105 6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0097)		
26 27 16 00-0106 EA 6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	85.60	16.83
26 27 16 00-0107 EA 8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	94.21	18.24
26 27 16 00-0108 Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0096)		
26 27 16 00-0109 4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0108)		
26 27 16 00-0110 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	62.83	11.22
26 27 16 00-0111 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	78.55	15.43
26 27 16 00-0112 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	87.84	16.83
26 27 16 00-0113 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	101.10	19.64
26 27 16 00-0114 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	105.34	21.05
26 27 16 00-0115 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	120.54	22.45
26 27 16 00-0116 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	129.02	23.85
26 27 16 00-0117 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	143.77	25.26
26 27 16 00-0118 6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0108)		
26 27 16 00-0119 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	92.49	16.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0120 EA 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	103.27	18.24
26 27 16 00-0121 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	114.45	21.05
26 27 16 00-0122 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	135.95	25.26
26 27 16 00-0123 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	148.66	28.05
26 27 16 00-0124 EA 16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	202.43	36.48
26 27 16 00-0125 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	313.04	56.12
26 27 16 00-0126 EA 24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	395.61	64.53
26 27 16 00-0127 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	441.82	70.15
26 27 16 00-0128 8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0108)		
26 27 16 00-0129 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	419.36	71.55
26 27 16 00-0130 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	474.76	77.16
26 27 16 00-0131 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	516.32	81.37
26 27 16 00-0132 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	560.36	84.17
26 27 16 00-0133 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	554.51	84.17
26 27 16 00-0134 NEMA 3 Enclosures (26 27 16)		
Note: Can be used underground or encased in concrete.		
26 27 16 00-0135 2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0134)		
26 27 16 00-0136 EA 4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	191.80	49.10
26 27 16 00-0137 3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0134)		
26 27 16 00-0138 EA 4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	206.61	49.10
26 27 16 00-0139 EA 5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	266.20	50.85
26 27 16 00-0140 EA 6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	276.27	50.85
26 27 16 00-0141 EA 6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	349.16	52.61
26 27 16 00-0142 4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0134)		
26 27 16 00-0143 EA 4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	263.47	50.85
26 27 16 00-0144 EA 5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	289.82	50.85
26 27 16 00-0145 EA 6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	302.19	52.61
26 27 16 00-0146 EA 6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	383.15	52.61
26 27 16 00-0147 EA 8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	421.51	56.12
26 27 16 00-0148 EA 8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	453.86	59.63
26 27 16 00-0149 EA 10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	473.11	59.63
26 27 16 00-0150 EA 10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	564.37	61.38
26 27 16 00-0151 EA 12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	612.92	63.13
26 27 16 00-0152 EA 12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	842.21	70.15
26 27 16 00-0153 6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0134)		
26 27 16 00-0154 EA 6" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	404.89	54.36
26 27 16 00-0155 EA 8" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	511.58	61.38
26 27 16 00-0156 EA 8" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	601.08	63.13
26 27 16 00-0157 EA 10" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	694.22	64.88
26 27 16 00-0158 EA 10" x 10" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	739.63	64.88
26 27 16 00-0159 EA 12" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	841.96	70.15
26 27 16 00-0160 EA 12" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	974.34	78.91
26 27 16 00-0161 EA 16" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	917.91	75.41
26 27 16 00-0162 EA 18" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,785.84	140.29
26 27 16 00-0163 EA 18" x 18" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,107.14	175.36
26 27 16 00-0164 8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0134)		
26 27 16 00-0165 EA 8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	746.38	66.64
26 27 16 00-0166 EA 12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,124.85	87.68
26 27 16 00-0167 EA 12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,143.40	87.68
26 27 16 00-0168 EA 16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,546.58	131.53
26 27 16 00-0169 EA 18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,043.46	140.29
26 27 16 00-0170 EA 24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	5,207.22	245.51
26 27 16 00-0171 10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0134)		
26 27 16 00-0172 EA 18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,727.03	175.36
26 27 16 00-0173 12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0134)		
26 27 16 00-0174 EA 18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,205.81	210.44
26 27 16 00-0175 EA 24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,454.93	192.90
26 27 16 00-0176 NEMA 3R Enclosures (26 27 16)		
Note: Rain-tight enclosures.		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 27 16 00-0177	Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0176)		
26 27 16 00-0178	6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0177)		
26 27 16 00-0179	EA 12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	128.96	26.65
26 27 16 00-0180	EA 12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	138.82	28.05
26 27 16 00-0181	EA 16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	180.69	36.48
26 27 16 00-0182	EA 16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	217.09	44.89
26 27 16 00-0183	EA 18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	251.78	56.12
26 27 16 00-0184	8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0177)		
26 27 16 00-0185	EA 24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	371.59	71.55
26 27 16 00-0186	EA 24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	410.38	77.16
26 27 16 00-0187	EA 30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	457.62	81.37
26 27 16 00-0188	EA 30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	480.21	84.17
26 27 16 00-0189	10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0177)		
26 27 16 00-0190	EA 12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	459.39	86.98
26 27 16 00-0191	EA 12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	518.89	98.20
26 27 16 00-0192	EA 12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	574.58	108.73
26 27 16 00-0193	EA 12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	632.69	119.95
26 27 16 00-0194	EA 12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	689.07	130.47
26 27 16 00-0195	EA 18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	308.64	68.74
26 27 16 00-0196	EA 24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	459.39	86.98
26 27 16 00-0197	EA 30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	533.49	89.79
26 27 16 00-0198	EA 36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	663.13	98.20
26 27 16 00-0199	12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0177)		
26 27 16 00-0200	EA 12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	433.68	69.44
26 27 16 00-0201	EA 12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	486.53	77.87
26 27 16 00-0202	EA 12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	538.66	86.28
26 27 16 00-0203	EA 12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	595.38	95.40
26 27 16 00-0204	EA 12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	648.23	103.81
26 27 16 00-0205	EA 18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	324.11	51.91
26 27 16 00-0206	EA 18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	433.68	69.44
26 27 16 00-0207	EA 18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	486.53	77.87
26 27 16 00-0208	EA 18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	569.32	91.19
26 27 16 00-0209	EA 18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	648.23	103.81
26 27 16 00-0210	EA 30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	619.06	102.41
26 27 16 00-0211	EA 36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	648.23	103.81
26 27 16 00-0212	EA 36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	680.66	106.62
26 27 16 00-0213	EA 36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	753.04	112.24
26 27 16 00-0214	EA 42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	813.67	117.84
26 27 16 00-0215	Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0176)		
26 27 16 00-0216	4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0215)		
26 27 16 00-0217	EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	40.58	11.22
26 27 16 00-0218	EA 6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	49.17	14.03
26 27 16 00-0219	EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	54.28	15.43
26 27 16 00-0220	EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	60.13	16.83
26 27 16 00-0221	EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	69.84	19.64
26 27 16 00-0222	EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	76.03	21.05
26 27 16 00-0223	EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	82.74	22.45
26 27 16 00-0224	EA 12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	82.40	22.45
26 27 16 00-0225	EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	89.90	23.85
26 27 16 00-0226	EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	96.60	25.26
26 27 16 00-0227	EA 18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	146.21	39.28
26 27 16 00-0228	EA 18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	194.58	50.50
26 27 16 00-0229	6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0215)		
26 27 16 00-0230	EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	56.70	16.83
26 27 16 00-0231	EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	76.96	21.05
26 27 16 00-0232	EA 10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	87.19	23.85
26 27 16 00-0233	EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	94.36	25.26
26 27 16 00-0234	EA 12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	93.85	25.26
26 27 16 00-0235	EA 12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	101.44	26.65
26 27 16 00-0236	EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	109.10	28.05
26 27 16 00-0237	EA 16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	142.35	36.48
26 27 16 00-0238	EA 18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	164.21	43.50
26 27 16 00-0239	EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	218.68	56.12
26 27 16 00-0240	EA 24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	228.67	60.33
26 27 16 00-0241	EA 24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	260.41	64.53
26 27 16 00-0242	EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	292.76	70.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0243 8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0215)</small>		
26 27 16 00-0244 EA 12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	121.99	30.86
26 27 16 00-0245 EA 18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	177.33	47.70
26 27 16 00-0246 EA 18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	241.88	61.72
26 27 16 00-0247 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	288.17	71.55
26 27 16 00-0248 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	325.22	77.16
26 27 16 00-0249 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	360.36	81.37
26 27 16 00-0250 10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0215)</small>		
26 27 16 00-0251 EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	266.98	68.74
26 27 16 00-0252 EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	358.10	86.98
26 27 16 00-0253 EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	391.63	89.79
26 27 16 00-0254 12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0215)</small>		
26 27 16 00-0255 EA 24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	395.43	95.40
26 27 16 00-0256 EA 30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	544.48	103.81
26 27 16 00-0257 EA 36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	562.58	106.62
26 27 16 00-0258 EA 36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	655.26	112.24
26 27 16 00-0259 NEMA 4 Enclosures <small>(26 27 16)</small>		
Note: Water-tight enclosures.		
26 27 16 00-0260 Hinge Cover, Painted Steel NEMA 4 Enclosures <small>(26 27 16 00-0259)</small>		
26 27 16 00-0261 EA 12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	154.89	25.26
26 27 16 00-0262 EA 10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	143.03	23.85
26 27 16 00-0263 EA 12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	166.72	28.05
26 27 16 00-0264 EA 14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	196.25	32.27
26 27 16 00-0265 EA 16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	237.72	40.69
26 27 16 00-0266 NEMA 4X Enclosures <small>(26 27 16)</small>		
Note: Water-tight enclosures.		
26 27 16 00-0267 Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures <small>(26 27 16 00-0266)</small>		
26 27 16 00-0268 EA 10" x 8" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	251.54	21.05
For 316L Stainless Steel, Add		53.71
26 27 16 00-0269 EA 12" x 10" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	351.22	26.65
For 316L Stainless Steel, Add		76.84
26 27 16 00-0270 EA 14" x 12" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	436.99	32.27
For 316L Stainless Steel, Add		96.21
26 27 16 00-0271 EA 16" x 14" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	528.39	40.69
For 316L Stainless Steel, Add		115.20
26 27 16 00-0272 Screw Cover, Polycarbonate NEMA 4X Enclosures <small>(26 27 16 00-0266)</small>		
Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0273 EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	79.94	15.43
26 27 16 00-0274 EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	89.98	16.83
26 27 16 00-0275 EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	102.98	19.64
26 27 16 00-0276 EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	111.93	21.05
26 27 16 00-0277 EA 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	129.29	23.85
26 27 16 00-0278 EA 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	121.67	23.85
26 27 16 00-0279 EA 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	141.71	26.65
26 27 16 00-0280 EA 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	177.53	32.27
26 27 16 00-0281 EA 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	226.94	44.19
26 27 16 00-0282 EA 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	292.57	63.62
26 27 16 00-0283 EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	85.93	15.43
26 27 16 00-0284 EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	97.06	16.83
26 27 16 00-0285 EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	110.60	19.64
26 27 16 00-0286 EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	121.18	21.05
26 27 16 00-0287 EA 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	139.09	23.85
26 27 16 00-0288 EA 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	130.93	23.85
26 27 16 00-0289 EA 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	154.26	26.65
26 27 16 00-0290 EA 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	184.06	32.27
26 27 16 00-0291 EA 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	240.55	44.19
26 27 16 00-0292 EA 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	307.26	63.62
26 27 16 00-0293 Hinged Cover, Polycarbonate NEMA 4X Enclosures <small>(26 27 16 00-0266)</small>		
Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0294 EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	96.82	15.43
26 27 16 00-0295 EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	103.59	16.83
26 27 16 00-0296 EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	117.67	19.64
26 27 16 00-0297 EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	127.17	21.05
26 27 16 00-0298 EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	150.52	23.85
26 27 16 00-0299 EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	138.55	23.85
26 27 16 00-0300 EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	170.04	26.65
26 27 16 00-0301 EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	202.03	32.27

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0302 EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	248.17	44.19
26 27 16 00-0303 EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	320.32	63.62
26 27 16 00-0304 EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	101.17	15.43
26 27 16 00-0305 EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	111.75	16.83
26 27 16 00-0306 EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	125.29	19.64
26 27 16 00-0307 EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	135.33	21.05
26 27 16 00-0308 EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	161.40	23.85
26 27 16 00-0309 EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	147.79	23.85
26 27 16 00-0310 EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	181.47	26.65
26 27 16 00-0311 EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	207.47	32.27
26 27 16 00-0312 EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	266.13	44.19
26 27 16 00-0313 EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	339.37	63.62
26 27 16 00-0314 Breaker Enclosures <small>(26 27 16)</small> See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
26 27 16 00-0315 15 To 100 Amp, F-Frame Breaker Enclosures <small>(26 27 16 00-0314)</small>		
26 27 16 00-0316 EA NEMA 1, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	265.05	56.12
26 27 16 00-0317 EA NEMA 3R, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	516.49	56.12
26 27 16 00-0318 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	1,311.28	77.16
26 27 16 00-0319 EA NEMA 7, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure.....	1,790.20	84.17
26 27 16 00-0320 EA NEMA 9, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure.....	1,291.36	84.17
26 27 16 00-0321 EA NEMA 12, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	425.18	77.16
26 27 16 00-0322 15 To 250 Amp, H Or J-Frame Breaker Enclosures <small>(26 27 16 00-0314)</small>		
26 27 16 00-0323 EA NEMA 1, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	430.83	77.16
26 27 16 00-0324 EA NEMA 3R, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	833.47	77.16
26 27 16 00-0325 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	2,949.34	98.20
26 27 16 00-0326 EA NEMA 12, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	666.95	98.20
26 27 16 00-0327 125 To 400 Amp, L-Frame Breaker Enclosures <small>(26 27 16 00-0314)</small>		
26 27 16 00-0328 EA NEMA 1, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	653.86	154.32
26 27 16 00-0329 EA NEMA 3R, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	1,646.76	154.32
26 27 16 00-0330 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	4,979.46	196.41
26 27 16 00-0331 EA NEMA 12, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	1,122.83	196.41
26 27 16 00-0332 300 To 800 Amp, M-Frame Breaker Enclosures <small>(26 27 16 00-0314)</small>		
26 27 16 00-0333 EA NEMA 1, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	1,285.38	294.61
26 27 16 00-0334 EA NEMA 3R, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	2,334.81	294.61
26 27 16 00-0335 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	8,943.57	378.78
26 27 16 00-0336 EA NEMA 12, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	4,733.71	378.78
26 27 16 00-0337 250 To 1,200 Amp, P-Frame Breaker Enclosures <small>(26 27 16 00-0314)</small>		
26 27 16 00-0338 EA NEMA 1, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure.....	1,607.97	294.61
26 27 16 00-0339 EA NEMA 3R, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure.....	2,844.98	294.61
26 27 16 00-0340 EA NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure.....	6,011.14	378.78
26 27 16 00-0341 Legend Plates <small>(26 27 16)</small>		
26 27 16 00-0342 EA 3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters.....	9.38	3.51
26 27 16 00-0343 EA 3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters.....	11.39	3.51
26 27 23 Indoor Service Poles <small>(26 27)</small>		
26 27 23 00-0001 Communication And Power Poles <small>(26 27 23)</small> Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
26 27 23 00-0002 Steel Communication And Power Poles <small>(26 27 23 00-0001)</small>		
26 27 23 00-0003 2-1/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0002)</small>		
26 27 23 00-0004 2-1/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0003)</small>		
26 27 23 00-0005 EA 2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	204.17	31.10
26 27 23 00-0006 EA 2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	222.61	31.10
26 27 23 00-0007 EA 2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	243.94	31.10
26 27 23 00-0008 Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0003)</small> Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009 EA Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle.....	40.28	6.41
26 27 23 00-0010 EA Add-On Cover Plate For Three Duplex Receptacles.....	35.97	6.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0011 EA Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	40.98	6.41
26 27 23 00-0012 EA Add-On Cover Plate For Data And A/V Modular Devices	29.86	6.41
26 27 23 00-0013 EA Add-On Radius Control Entrance End Fitting	24.25	6.41
26 27 23 00-0014 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0015 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014)		
26 27 23 00-0016 EA 2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	267.41	31.10
26 27 23 00-0017 EA 2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	307.04	31.10
26 27 23 00-0018 EA 2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	328.43	31.10
26 27 23 00-0019 Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014)		
Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020 EA Add-On Cover Plate For One Single Receptacle.....	27.38	6.41
26 27 23 00-0021 EA Add-On Cover Plate For One Duplex Receptacle.....	24.42	6.41
26 27 23 00-0022 EA Add-On Cover Plate For Data And A/V Modular Devices	26.54	6.41
26 27 23 00-0023 3" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0024 3" Width, Steel Communication And Power Poles (26 27 23 00-0023)		
26 27 23 00-0025 EA 3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	351.40	31.10
26 27 23 00-0026 EA 3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	399.11	31.10
26 27 23 00-0027 EA 3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	430.56	31.10
26 27 23 00-0028 Additional Cover Plates For 3" Width, Steel Communication And Power Poles (26 27 23 00-0023)		
Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029 EA Add-On Cover Plate For One Single Receptacle.....	27.38	6.41
26 27 23 00-0030 EA Add-On Cover Plate For One Duplex Receptacle.....	24.42	6.41
26 27 23 00-0031 EA Add-On Cover Plate For Data And A/V Modular Devices	26.54	6.41
26 27 23 00-0032 Aluminum Communication And Power Poles (26 27 23 00-0001)		
26 27 23 00-0033 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0034 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)		
26 27 23 00-0035 EA 2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	279.82	31.10
26 27 23 00-0036 EA 2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	313.18	31.10
26 27 23 00-0037 EA 2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	350.57	31.10
26 27 23 00-0038 Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)		
26 27 23 00-0039 EA Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle	42.93	6.41
26 27 23 00-0040 EA Add-On Cover Plate For Three Duplex Receptacles	43.87	6.41
26 27 23 00-0041 EA Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	47.00	6.41
26 27 23 00-0042 EA Add-On Cover Plate For Data And A/V Modular Devices	31.62	6.41
26 27 23 00-0043 EA Add-On Radius Control Entrance End Fitting	24.25	6.41
26 27 23 00-0044 2-1/4" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0045 EA 2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	269.40	31.10
26 27 23 00-0046 EA 2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	303.61	31.10
26 27 23 00-0047 EA 2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	343.92	31.10
26 27 23 00-0048 5" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0049 EA 5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	574.12	31.10
26 27 23 00-0050 EA 5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	658.03	31.10
26 27 23 00-0051 EA 5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	752.00	31.10
26 27 23 00-0052 2" Diameter, Round Aluminum Communication And Power Pole (26 27 23 00-0032)		
26 27 23 00-0053 EA 2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	307.64	31.10
26 27 23 00-0054 EA 2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole	290.73	31.10
26 27 23 00-0055 EA 2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole.....	375.12	31.10
26 27 26 Wiring Devices (26 27)		
Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.		
26 27 26 00-0001 Receptacles (26 27 26)		
26 27 26 00-0002 General Use Receptacles (26 27 26 00-0001)		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0003			Receptacle Assemblies (26 27 26 00-0002) Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004	EA		1 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly	55.38	24.91
26 27 26 00-0005	EA		1 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly	59.30	26.65
26 27 26 00-0006	EA		2 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly	71.19	31.91
26 27 26 00-0007	EA		2 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly	79.02	35.42
26 27 26 00-0008	EA		1 Gang, 15 Amp, GFI, Duplex Receptacle Assembly	60.88	24.91
26 27 26 00-0009	EA		1 Gang, 20 Amp, GFI, Duplex Receptacle Assembly	65.09	26.65
26 27 26 00-0010			Receptacle Components (26 27 26 00-0002)		
26 27 26 00-0011	EA		15 Amp, NEMA 5-15, Single Receptacle, 125 Volt, 1 Phase	15.53	7.02
26 27 26 00-0012	EA		15 Amp, NEMA 5-15, Duplex Receptacle, 125 Volt, 1 Phase	15.21	7.02
26 27 26 00-0013	EA		15 Amp, Single Receptacle, 120/277 Volt, 3 Wire	17.10	7.02
26 27 26 00-0014	EA		15 Amp, Duplex Receptacle, 120/277 Volt, 3 Wire	18.20	7.02
26 27 26 00-0015	EA		15 Amp, NEMA 6-15, Single Receptacle, 250 Volt, 1 Phase	23.10	8.76
26 27 26 00-0016	EA		15 Amp, NEMA 6-15, Duplex Receptacle, 250 Volt, 1 Phase	26.69	8.76
26 27 26 00-0017	EA		20 Amp, NEMA 5-20, Single Receptacle, 125 Volt, 1 Phase	15.95	7.02
26 27 26 00-0018	EA		20 Amp, NEMA 5-20, Duplex Receptacle, 125 Volt, 1 Phase	15.61	7.02
26 27 26 00-0019	EA		20 Amp, Single Receptacle, 120/277 Volt	20.55	7.02
26 27 26 00-0020	EA		20 Amp, Duplex Receptacle, 120/277 Volt	17.85	7.02
26 27 26 00-0021	EA		20 Amp, NEMA 6-20, Single Receptacle, 250 Volt, 1 Phase	23.10	8.76
26 27 26 00-0022	EA		20 Amp, NEMA 6-20, Duplex Receptacle, 250 Volt, 1 Phase	26.69	8.76
26 27 26 00-0023	EA		20 Amp, NEMA 14-20, Single Receptacle, 125 Volt, 1 Phase	38.21	8.76
26 27 26 00-0024	EA		20 Amp, NEMA 15-20, Single Receptacle, 250 Volt, 3 Phase	38.21	8.76
26 27 26 00-0025	EA		25 Amp, Duplex Receptacle, 120/277 Volt	34.33	10.52
26 27 26 00-0026			Specialty Receptacles (26 27 26 00-0001)		
26 27 26 00-0027			Specialty Receptacles (26 27 26 00-0026)		
26 27 26 00-0028	EA		30 Amp, NEMA 5-30, Single Receptacle, 125 Volt, 1 Phase	32.70	12.27
26 27 26 00-0029	EA		30 Amp, NEMA 6-30, Single Receptacle, 250 Volt, 1 Phase	32.70	12.27
26 27 26 00-0030	EA		30 Amp, NEMA 10-30 Single Receptacles, 125/250 Volt	45.47	12.27
26 27 26 00-0031	EA		30 Amp, NEMA 14-30, Single Receptacle, 125/250 Volt, 1 Phase	45.22	12.27
26 27 26 00-0032	EA		30 Amp, NEMA 15-30, Single Receptacle, 250 Volt, 3 Phase	48.72	14.03
26 27 26 00-0033	EA		50 Amp, NEMA 5-50, Single Receptacle, 125 Volt, 1 Phase	45.74	14.03
26 27 26 00-0034	EA		50 Amp, NEMA 6-50, Single Receptacle, 250 Volt, 1 Phase	44.89	14.03
26 27 26 00-0035	EA		50 Amp, NEMA 7-50 Single Receptacles, 277 Volt	40.55	14.03
26 27 26 00-0036	EA		50 Amp, NEMA 10-50 Single Receptacles, 125/250 Volt	54.83	14.03
26 27 26 00-0037	EA		50 Amp, NEMA 14-50, Single Receptacle, 125/250 Volt, 1 Phase	53.32	14.03
26 27 26 00-0038	EA		50 Amp, NEMA 15-50, Single Receptacle, 250 Volt, 3 Phase	56.83	15.78
26 27 26 00-0039	EA		60 Amp, NEMA 14-60, Single Receptacle, 125/250 Volt, 1 Phase	62.63	17.54
26 27 26 00-0040	EA		60 Amp, NEMA 15-60, Single Receptacle, 250 Volt, 3 Phase	69.65	21.05
26 27 26 00-0041	EA		100 Amp, 3 Phase, 480 Volt Joy Receptacle With Box - Complete	636.44	164.85
26 27 26 00-0042	EA		400 Amp, 4 Pole Weatherproof Generator Receptacle With Box - Complete	1,419.46	201.67
26 27 26 00-0043	EA		30 Amp, Dryer Receptacle, 230 Volt	38.59	14.03
26 27 26 00-0044	EA		60 Amp, Range Receptacle, 230 Volt	56.86	21.05
26 27 26 00-0045	EA		15 Or 20 Amp, Clock Hanger Receptacle, 120/277 Volt	33.24	8.76
26 27 26 00-0046	EA		Cable Reel With 20 Amp, 120 Volt Receptacle - Complete	695.98	213.74
26 27 26 00-0047			Isolated Ground Receptacles (26 27 26 00-0026)		
26 27 26 00-0048	EA		15 Amp, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex	49.01	7.02
			Note: 2 Pole, 3 wire.		
26 27 26 00-0049	EA		20 Amp, 120 Volt Isolated Ground Receptacles, Simplex	29.15	8.76
26 27 26 00-0050	EA		20 Amp, 120 Volt Isolated Ground Receptacles, Duplex	29.06	8.76
26 27 26 00-0051	EA		30 Amp, 120 Volt Isolated Ground Receptacles, Simplex	41.65	14.03
26 27 26 00-0052	EA		Locking 15 Amp, 250 Volt Isolated Ground Receptacles	31.91	8.76
26 27 26 00-0053	EA		Locking 15 Amp, 277 Volt Isolated Ground Receptacles	29.76	8.76
26 27 26 00-0054	EA		Locking 20 Amp, 120/208 Volt Isolated Ground Receptacles	40.00	10.52
26 27 26 00-0055	EA		Locking 20 Amp, 277/480 Volt Isolated Ground Receptacles	33.30	10.52
26 27 26 00-0056	EA		Locking 20 Amp, 347/600 Volt Isolated Ground Receptacles	40.80	10.52
26 27 26 00-0057	EA		Locking 30 Amp, 120/208 Volt Isolated Ground Receptacles	48.10	10.52
26 27 26 00-0058	EA		Locking 30 Amp, 277 Volt Isolated Ground Receptacles	49.95	14.03
26 27 26 00-0059			Explosion Proof Receptacles (26 27 26 00-0026)		
26 27 26 00-0060	EA		1/2", 20 Amp, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	478.22	17.54
26 27 26 00-0061	EA		3/4", 20 Amp, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	441.19	19.29
26 27 26 00-0062	EA		3/4", 30 Amp, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	734.07	35.07
26 27 26 00-0063	EA		3/4", 30 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	923.02	35.07
26 27 26 00-0064	EA		1-1/4", 60 Amp, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,169.46	52.61
26 27 26 00-0065	EA		1-1/4", 60 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,114.75	52.61
26 27 26 00-0066			Ground Fault Circuit Interrupter (GFCI) (26 27 26 00-0026)		
26 27 26 00-0067	EA		15 Amp Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	18.95	8.76
26 27 26 00-0068	EA		20 Amp Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	28.43	10.52



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0069				Locking Receptacle <small>(26 27 26 00-0026)</small>		
	EA			Locking, 15 Amp, 250 Volt, NEMA L15-15 Power Receptacles, 2 Phase.....	39.36	8.76
	EA			Locking, 15 Amp, 250 Volt, NEMA L16-15 Power Receptacles, 2 Phase.....	40.65	8.76
	EA			Locking, 20 Amp, 125 Volt, NEMA L5-20 Power Receptacles.....	29.20	10.52
	EA			Locking, 20 Amp, 250 Volt, NEMA L6-20 Power Receptacles.....	29.25	10.52
	EA			Locking, 20 Amp, 480 Volt, NEMA L8-20 Power Receptacles.....	30.94	10.52
	EA			Locking, 20 Amp, 600 Volt, NEMA L9-20 Power Receptacles.....	34.85	10.52
	EA			Locking, 20 Amp, 125/250 Volt, NEMA L10-20 Power Receptacles.....	32.53	10.52
	EA			Locking, 20 Amp, 125/250 Volt, NEMA L14-20 Power Receptacles.....	33.12	10.52
	EA			Locking, 30 Amp, 120 Volt AC, NEMA L5-30 Power Receptacles.....	37.38	14.03
	EA			Locking, 30 Amp, 250 Volt AC, NEMA L6-30 Power Receptacles.....	37.92	14.03
	EA			Locking, 30 Amp, 250 Volt, NEMA L15-30 Power Receptacles, 3 Phase.....	43.61	14.03
26 27 26 00-0081				Weathertight Pin And Sleeve Receptacle <small>(26 27 26 00-0026)</small>		
	EA			20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W).....	158.07	35.07
	EA			20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W).....	157.71	35.07
	EA			20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W).....	164.57	35.07
	EA			20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W).....	200.66	38.58
	EA			20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W).....	201.23	38.58
	EA			20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W).....	199.91	38.58
	EA			30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W).....	239.52	43.14
	EA			30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W).....	228.37	43.14
	EA			30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W).....	245.83	43.14
	EA			30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W).....	248.41	47.35
	EA			30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W).....	248.19	47.35
	EA			30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W).....	249.78	47.35
	EA			60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W).....	349.19	56.12
	EA			60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W).....	335.69	56.12
	EA			60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W).....	344.48	56.12
	EA			60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W).....	383.61	62.43
	EA			60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W).....	383.87	62.43
	EA			60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W).....	384.13	62.43
	EA			100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W).....	426.99	70.15
	EA			100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W).....	444.30	70.15
	EA			100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W).....	478.05	77.16
	EA			100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W).....	476.75	77.16
	EA			100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W).....	479.20	77.16
26 27 26 00-0105				Corrosion Resistant Receptacle <small>(26 27 26 00-0026)</small>		
	EA			15/20 Amp, 125 Volt Corrosion Resistant, Power Receptacles.....	33.20	7.02
	EA			15/20 Amp, 250 Volt Corrosion Resistant, Power Receptacles.....	62.84	8.76
26 27 26 00-0108				Tamper Resistant Receptacle <small>(26 27 26 00-0026)</small>		
	EA			15 Amp, 125 Volt Duplex Tamper Resistant Receptacle.....	16.96	7.02
				Note: Pass & Seymour 3232-TR.		
	EA			20 Amp, 125 Volt Duplex Specification Grade Tamper Resistant Receptacle.....	18.46	7.02
				Note: Pass & Seymour TR20.		
	EA			15 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle.....	22.78	7.02
				Note: Pass & Seymour TR5251.		
	EA			20 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle.....	24.81	7.02
				Note: Pass & Seymour TR5351.		
	EA			15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle.....	36.99	7.02
				Note: Pass & Seymour S1595-TR*CC8.		
	EA			15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	39.90	7.02
				Note: Pass & Seymour 1595-TRS.		
	EA			20 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	42.67	7.02
				Note: Pass & Seymour 2095-TRS.		
26 27 26 00-0116				USB Charger/Duplex Tamper-Resistant Receptacles <small>(26 27 26 00-0026)</small>		
	EA			15 Amp, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	37.79	7.02
	EA			20 Amp, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	40.76	7.02
26 27 26 00-0119				Television Receptacle <small>(26 27 26 00-0001)</small>		
	EA			TV Receptacle With Cover (Type F) - Complete.....	40.59	16.27
26 27 26 00-0121				Switches <small>(26 27 26)</small>		
26 27 26 00-0122				Switches <small>(26 27 26 00-0121)</small>		
26 27 26 00-0123				Switch Assemblies <small>(26 27 26 00-0122)</small>		
				Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0124 EA 1 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	56.45	24.55
26 27 26 00-0125 EA 1 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	60.86	26.65
26 27 26 00-0126 EA 2 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	75.07	32.09
26 27 26 00-0127 EA 2 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	82.49	35.59
26 27 26 00-0128 EA 3 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	128.73	55.07
26 27 26 00-0129 EA 3 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	139.85	60.33
26 27 26 00-0130 EA 4 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	147.34	62.25
26 27 26 00-0131 EA 4 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	162.17	69.27
26 27 26 00-0132 Switch Components <small>(26 27 26 00-0122)</small>		
26 27 26 00-0133 EA 15 Amp, 120/277 Volt, SPST Switch.....	16.98	7.02
26 27 26 00-0134 EA 15 Amp, 120/277 Volt, 3-Way Switch.....	21.41	8.76
26 27 26 00-0135 EA 15 Amp, 120/277 Volt, 4-Way Switch.....	39.29	14.03
26 27 26 00-0136 EA 15 Amp, 120/277 Volt, DPST Switch	18.69	7.02
26 27 26 00-0137 EA 15 Amp, 120/277 Volt, Thermal Switch.....	32.19	8.76
26 27 26 00-0138 EA 20 Amp, 120/277 Volt, SPST Switch.....	20.69	8.76
26 27 26 00-0139 EA 20 Amp, 120/277 Volt, 3-Way Switch.....	25.35	10.52
26 27 26 00-0140 EA 20 Amp, 120/277 Volt, 4-Way Switch.....	49.49	14.03
26 27 26 00-0141 EA 20 Amp, 120/277 Volt, DPST Switch	23.44	8.76
26 27 26 00-0142 EA 20 Amp, 120/277 Volt, DPDT Switch	24.65	8.76
26 27 26 00-0143 EA 15 Amp, 120/277 Volt, Single Pole, Momentary Contact Switch, Toggle, Three Position, Center Off	44.71	8.78
26 27 26 00-0144 EA 15 Amp, 120/277 Volt, Momentary Contact Switch, Key Operated, Single Pole, Three Position, Center Off	56.18	8.78
26 27 26 00-0145 EA Momentary Contact Switch With Separate Neon Pilot..... Note: Neon Pilot is 125 V, 1 / 125W.	43.19	10.54
26 27 26 00-0146 EA 20 Amp, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off	30.66	12.27
Note: Or 250 VAC 10 Amp, double throw BAT handle.		
26 27 26 00-0147 EA 20 Amp, 125 Volt AC, Double Pole, Maintained Contact Switch.....	36.95	14.03
Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0148 EA 20 Amp, 125 Volt AC, Three Pole, Maintained Contact Switch.....	49.51	14.03
Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0149 EA 30 Amp, 120/277 Volt, Single Pole Local Switch	45.35	14.05
26 27 26 00-0150 EA 30 Amp, 120/277 Volt, Double Pole Local Switch.....	55.65	14.05
26 27 26 00-0151 EA 30 Amp, 120/277 Volt, Three-Way Local Switch.....	58.42	17.57
26 27 26 00-0152 EA 30 Amp, 120/277 Volt, Four-Way Local Switch.....	81.17	19.33
26 27 26 00-0153 EA 15 Amp, 120/277 Volt, Local Switch With Neon Pilot.....	39.93	11.49
26 27 26 00-0154 EA 15 Amp, 120/277 Volt, Local Switch With Separate Neon Pilot	55.64	11.49
Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.		
26 27 26 00-0155 EA 15 Amp, 120 Volt, Single Pole Lighted Toggle Switch, Clear Toggle, Lighted In On Position.....	48.87	11.49
26 27 26 00-0156 EA 15 Amp, 120 Volt, Lighted Toggle Switch, Ivory Toggle, Lighted In Off Position	46.54	11.49
26 27 26 00-0157 EA Automatic Door Switch, Door Open-Light On, 6 Amp, 125 Volt	50.41	5.70
26 27 26 00-0158 EA Automatic Door Switch, Door Closed-Light On, 6 Amp, 125 Volt.....	53.57	5.70
26 27 26 00-0159 EA 15 Amp, 120/277 Volt, Single Pole Momentary Contact Switch, Three Position, Center Off, Toggle	57.86	21.93
26 27 26 00-0160 EA Momentary Contact Switch, Three Position, Center Off, Key Operated..... Note: 15A, 120/277 V, Single Pole	69.33	21.93
26 27 26 00-0161 Specialty Switches <small>(26 27 26 00-0121)</small>		
26 27 26 00-0162 Dimmers With SPST Switch <small>(26 27 26 00-0161)</small>		
26 27 26 00-0163 EA 600 Watt Dimmers With SPST Switch.....	37.93	15.78
26 27 26 00-0164 EA 1,000 Watt Dimmers With SPST Switch	57.82	15.78
26 27 26 00-0165 EA 1,500 Watt Dimmers With SPST Switch	102.17	25.40
26 27 26 00-0166 EA 2,000 Watt Dimmers With SPST Switch	127.54	25.40
26 27 26 00-0167 EA 600 Watt Fluorescent Dimmer Switch.....	74.00	18.73
26 27 26 00-0168 EA 1,000 Watt Fluorescent Dimmer Switch	95.84	18.73
26 27 26 00-0169 EA 1,500 Watt Fluorescent Dimmer Switch.....	169.78	28.26
26 27 26 00-0170 EA Remote Speed Switch For Paddle Fan.....	60.76	23.36
26 27 26 00-0171 EA 600 Watt Combination Remote Speed Switch/Incandescent Dimmer	97.82	34.86
26 27 26 00-0172 Time Switches <small>(26 27 26 00-0161)</small>		
26 27 26 00-0173 EA 40 Amp, SPST, 125 Volt, Standard Time Switch	65.06	21.05
26 27 26 00-0174 EA 40 Amp, SPST, 277 Volt, Standard Time Switch	66.21	21.05
26 27 26 00-0175 EA 40 Amp, DPST, 125 Volt, Standard Time Switch.....	65.06	21.05
26 27 26 00-0176 EA 40 Amp, DPST, 277 Volt, Standard Time Switch.....	66.21	21.05
26 27 26 00-0177 EA 40 Amp, SPST, 125 Volt, 7-Day Time Switch	72.72	21.05
26 27 26 00-0178 EA 40 Amp, SPST, 277 Volt, 7-Day Time Switch.....	72.72	21.05
26 27 26 00-0179 EA 40 Amp, DPDT, 125 Volt, 7-Day Time Switch.....	117.89	21.05
26 27 26 00-0180 EA 40 Amp, DPDT, 277 Volt, 7-Day Time Switch.....	117.89	21.05
26 27 26 00-0181 EA 20 Amp, SPST, 125 Volt, Programmable Time Switch	103.40	21.05
26 27 26 00-0182 EA 20 Amp, SPST, 277 Volt, Programmable Time Switch	112.25	21.05
26 27 26 00-0183 EA 20 Amp, SPST, 277 Volt, Programmable Time Switch - Weatherproof	112.25	21.05
26 27 26 00-0184 EA 40 Amp, 4PST, 125 Volt, Astro Dial Time Switch.....	133.17	21.05
26 27 26 00-0185 EA 40 Amp, 4PST, 277 Volt, Astro Dial Time Switch.....	136.69	21.05
26 27 26 00-0186 EA 40 Amp, SPST, 125 Volt, Standard Time Switch - Weatherproof	65.06	21.05
26 27 26 00-0187 EA 40 Amp, SPST, 277 Volt, Standard Time Switch - Weatherproof	66.21	21.05
26 27 26 00-0188 EA 40 Amp, DPST, 125 Volt, Standard Time Switch - Weatherproof	65.06	21.05
26 27 26 00-0189 EA 40 Amp, DPST, 277 Volt, Standard Time Switch - Weatherproof	66.21	21.05
26 27 26 00-0190 EA 40 Amp, SPST, 125 Volt, 7-Day Time Switch - Weatherproof	72.72	21.05
26 27 26 00-0191 EA 40 Amp, SPST, 277 Volt, 7-Day Time Switch - Weatherproof	72.72	21.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0192 EA 40 Amp, DPDT, 125 Volt, 7-Day Time Switch - Weatherproof.....	117.89	21.05
26 27 26 00-0193 EA 40 Amp, DPDT, 277 Volt, 7-Day Time Switch - Weatherproof.....	117.89	21.05
26 27 26 00-0194 EA 40 Amp, 4PST, 125 Volt, Astro Dial Time Switch - Weatherproof.....	133.17	21.05
26 27 26 00-0195 EA 40 Amp, 4PST, 277 Volt, Astro Dial Time Switch - Weatherproof.....	136.69	21.05
26 27 26 00-0196 Low Voltage Switching <small>(26 27 26 00-0161)</small>		
26 27 26 00-0197 EA 36 Pin Male Or Female Connector	88.29	7.02
26 27 26 00-0198 Other Switches <small>(26 27 26 00-0161)</small>		
26 27 26 00-0199 EA Locking Switch, SPST Concealed Devices.....	65.97	28.05
26 27 26 00-0200 EA Locking Switch, 3-Way Concealed Devices.....	66.61	28.05
26 27 26 00-0201 EA Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard	69.99	26.23
26 27 26 00-0202 EA 15 Amp Momentary Contact Switch.....	67.48	26.23
26 27 26 00-0203 EA 20 Amp Momentary Contact Switch.....	70.12	26.23
26 27 26 00-0204 Plates And Covers <small>(26 27 26)</small>		
26 27 26 00-0205 Wall Plates <small>(26 27 26 00-0204)</small>		
26 27 26 00-0206 Nylon Wall Plates <small>(26 27 26 00-0205)</small>		
26 27 26 00-0207 EA 1 Gang Nylon Switch Plate	1.07	0.35
26 27 26 00-0208 EA 2 Gang Nylon Switch Plate	1.80	0.52
26 27 26 00-0209 EA 3 Gang Nylon Switch Plate	2.56	0.70
26 27 26 00-0210 EA 4 Gang Nylon Switch Plate	3.67	0.87
26 27 26 00-0211 EA 1 Gang Duplex Nylon Wall Plate.....	1.08	0.35
26 27 26 00-0212 EA 2 Gang Duplex Nylon Wall Plate.....	1.85	0.52
26 27 26 00-0213 Plastic Wall Plates <small>(26 27 26 00-0205)</small>		
26 27 26 00-0214 EA 1 Gang Plastic Switch Plate.....	1.00	0.35
26 27 26 00-0215 EA 2 Gang Plastic Switch Plate.....	1.65	0.52
26 27 26 00-0216 EA 3 Gang Plastic Switch Plate.....	2.32	0.70
26 27 26 00-0217 EA 4 Gang Plastic Switch Plate.....	3.67	0.87
26 27 26 00-0218 EA 1 Gang Duplex Plastic Wall Plate	1.00	0.35
26 27 26 00-0219 EA 2 Gang Duplex Plastic Wall Plate	1.66	0.52
26 27 26 00-0220 Brass Wall Plates <small>(26 27 26 00-0205)</small>		
26 27 26 00-0221 EA 1 Gang 0.04" Brass Switch Plate.....	10.23	1.58
26 27 26 00-0222 EA 2 Gang 0.04" Brass Switch Plate.....	19.01	1.83
26 27 26 00-0223 EA 3 Gang 0.04" Brass Switch Plate.....	27.70	2.04
26 27 26 00-0224 EA 4 Gang 0.04" Brass Switch Plate.....	42.95	2.21
26 27 26 00-0225 EA 5 Gang 0.04" Brass Switch Plate.....	52.26	2.35
26 27 26 00-0226 EA 6 Gang 0.04" Brass Switch Plate.....	60.44	2.46
26 27 26 00-0227 EA 1 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	10.23	1.58
26 27 26 00-0228 EA 2 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	22.23	1.83
26 27 26 00-0229 EA 3 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	31.95	2.04
26 27 26 00-0230 Stainless Steel Wall Plates <small>(26 27 26 00-0205)</small>		
26 27 26 00-0231 EA 1 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	5.58	1.58
26 27 26 00-0232 EA 2 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	8.85	1.83
26 27 26 00-0233 EA 3 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	12.28	2.04
26 27 26 00-0234 EA 4 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	17.90	2.21
26 27 26 00-0235 EA 5 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	21.04	2.35
26 27 26 00-0236 EA 6 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	25.38	2.46
26 27 26 00-0237 EA 1 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	6.09	1.58
26 27 26 00-0238 EA 2 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	10.06	1.83
26 27 26 00-0239 EA 3 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	16.27	2.04
26 27 26 00-0240 EA 4 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	19.63	2.21
26 27 26 00-0241 Chrome Wall Plates <small>(26 27 26 00-0205)</small>		
26 27 26 00-0242 EA 1 Gang 0.040" Chrome Switch Plate With Chromium Finish	20.24	1.58
26 27 26 00-0243 EA 2 Gang 0.040" Chrome Switch Plate With Chromium Finish	37.76	1.83
26 27 26 00-0244 EA 3 Gang 0.040" Chrome Switch Plate With Chromium Finish	55.24	2.04
26 27 26 00-0245 EA 1 Gang 0.040" Chrome Duplex Receptacle Wall Plate With Chromium Finish.....	20.22	1.58
26 27 26 00-0246 Weatherproof Covers <small>(26 27 26 00-0204)</small>		
26 27 26 00-0247 Stamped Metallic Weatherproof Covers <small>(26 27 26 00-0246)</small>		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0248 EA Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC).....	7.78	0.35
26 27 26 00-0249 EA Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC).....	8.43	0.35
26 27 26 00-0250 EA Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC).....	8.43	0.35
26 27 26 00-0251 EA Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC).....	8.43	0.35
26 27 26 00-0252 EA Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC).....	10.32	0.52

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0253 EA Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC).....	11.73	0.52
26 27 26 00-0254 EA Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC).....	11.88	0.52
26 27 26 00-0255 EA Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC).....	11.88	0.52
26 27 26 00-0256 EA Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC).....	16.19	0.52
26 27 26 00-0257 EA Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB).....	15.30	0.70
26 27 26 00-0258 EA Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT).....	16.74	0.70
26 27 26 00-0259 Cast Metallic Weatherproof Covers <small>(26 27 26 00-0246)</small>		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0260 EA Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC).....	9.54	0.35
26 27 26 00-0261 EA Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA).....	30.64	0.35
26 27 26 00-0262 EA Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR).....	34.37	0.35
26 27 26 00-0263 EA Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG).....	9.47	0.35
26 27 26 00-0264 EA Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT).....	25.96	0.35
26 27 26 00-0265 EA Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT).....	43.24	0.35
26 27 26 00-0266 EA Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST).....	55.06	0.35
26 27 26 00-0267 EA Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC).....	11.88	0.52
26 27 26 00-0268 EA Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST).....	86.99	0.52
26 27 26 00-0269 EA Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC).....	19.93	0.70
26 27 26 00-0270 EA Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST).....	83.07	0.70
26 27 26 00-0271 Die Cast Aluminum Weatherproof Covers <small>(26 27 26 00-0246)</small>		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0272 EA Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027).....	3.15	0.35
26 27 26 00-0273 EA Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026).....	4.05	0.35
26 27 26 00-0274 EA Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032).....	5.43	0.52
26 27 26 00-0275 EA Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041).....	5.89	0.52
26 27 26 00-0276 EA Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042).....	5.89	0.52
26 27 26 00-0277 EA Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043).....	6.56	0.52
26 27 26 00-0278 Heavy Duty Die Cast Aluminum Weatherproof Covers <small>(26 27 26 00-0246)</small>		
Note: Includes baked on lacquer finish and neoprene gasket.		
26 27 26 00-0279 EA Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510).....	32.32	0.35
26 27 26 00-0280 Polycarbonate Weatherproof Covers <small>(26 27 26 00-0246)</small>		
Note: Includes neoprene gasket.		
26 27 26 00-0281 EA Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	6.50	0.35
26 27 26 00-0282 EA Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	6.50	0.35
26 27 26 00-0283 EA Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	6.50	0.35
26 27 26 00-0284 EA Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	8.03	0.52
26 27 26 00-0285 EA Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	8.03	0.52
26 27 26 00-0286 High Impact Thermoplastic Weatherproof Covers <small>(26 27 26 00-0246)</small>		
Note: Includes neoprene gasket.		
26 27 26 00-0287 EA Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522).....	46.14	0.35
26 27 26 00-0288 Removal And Reinstallation Of Wiring Devices <small>(26 27 26)</small>		
Note: Includes storage and cleaning.		
26 27 26 00-0289 EA Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device.....	46.15	
26 27 26 00-0290 EA Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate.....	5.85	
26 27 26 00-0291 In Line Midget Fuseholders <small>(26 27 26)</small>		
See CSI section 26 28 13 00-0066 for fuses.		
26 27 26 00-0292 EA Single Pole Water Resistant In Line Midget Fuseholder.....	48.75	
26 27 26 00-0293 EA Double Pole Water Resistant In Line Midget Fuseholder.....	109.27	
26 27 26 00-0294 Limit Switches <small>(26 27 26)</small>		
26 27 26 00-0295 Heavy Duty Precision Oiltight <small>(26 27 26 00-0294)</small>		
26 27 26 00-0296 Lever Arm, Plunger, Wobble Stick Type <small>(26 27 26 00-0295)</small>		
26 27 26 00-0297 EA Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amp Rated.....	283.47	44.19
26 27 73 Door Chimes <small>(26 27)</small>		
26 27 73 00-0001 Door Bell System <small>(26 27 73)</small>		
26 27 73 00-0002 EA Door Bell, Push-button And Transformer - Complete.....	354.32	146.12
26 27 73 00-0003 EA Visual Flashing Doorbell Indicator, Wire To Existing System - Complete.....	128.41	35.07



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Distribution Equipment	26 27	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 27 73 00-0004	EA	Replacement Bell/Buzzer - Complete Note: Includes removal of existing.	54.21	17.54
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26 28 Low-Voltage Circuit Protective Devices (26 20)

26 28 13 Fuses (26 28)

26 28 13 00-0001 Class RK1, Time Delay Fuses (26 28 13)

26 28 13 00-0002 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses (26 28 13 00-0001)

26 28 13 00-0003	EA	1 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	23.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.37	
26 28 13 00-0004	EA	2 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	22.28	5.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.37	
26 28 13 00-0005	EA	3 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	23.34	5.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.37	
26 28 13 00-0006	EA	4 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	23.20	5.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.37	
26 28 13 00-0007	EA	5 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	22.15	5.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.37	
26 28 13 00-0008	EA	10 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	21.52	5.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.37	
26 28 13 00-0009	EA	15 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	19.84	5.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.37	
26 28 13 00-0010	EA	20 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	19.71	5.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.37	
26 28 13 00-0011	EA	25 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	19.85	5.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.37	
26 28 13 00-0012	EA	30 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	19.68	5.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.37	
26 28 13 00-0013	EA	35 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	26.81	5.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.37	
26 28 13 00-0014	EA	40 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	26.31	5.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.37	
26 28 13 00-0015	EA	45 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	26.69	5.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.37	
26 28 13 00-0016	EA	50 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	26.38	5.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.37	
26 28 13 00-0017	EA	60 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	25.92	5.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.37	

26 28 13 00-0018 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses (26 28 13 00-0001)

26 28 13 00-0019	EA	70 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	47.67	6.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.21	
26 28 13 00-0020	EA	80 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	47.42	6.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.21	
26 28 13 00-0021	EA	90 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	52.54	6.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.21	
26 28 13 00-0022	EA	100 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	47.02	6.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.21	
26 28 13 00-0023	EA	110 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	131.35	6.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.21	
26 28 13 00-0024	EA	125 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	96.44	6.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.21	
26 28 13 00-0025	EA	150 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	88.83	6.95
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 28 13 00-0026	EA	200 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	93.48	6.95
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 28 13 00-0027	EA	250 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	173.83	6.95
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 28 13 00-0028	EA	300 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	187.26	8.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.68	
26 28 13 00-0029	EA	350 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	201.17	8.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.68	
26 28 13 00-0030	EA	400 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	155.52	8.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.68	
26 28 13 00-0031	EA	450 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	343.84	8.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.68	
26 28 13 00-0032	EA	500 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	325.96	10.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.95	
26 28 13 00-0033	EA	600 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	254.79	10.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.95	

26 28 13 00-0034 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses (26 28 13 00-0001)

26 28 13 00-0035	EA	1 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	36.28	5.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.37	
26 28 13 00-0036	EA	2 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	33.87	5.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.37	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 28	Low-Voltage Circuit Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0037 EA 3 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	31.84	5.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 28 13 00-0038 EA 4 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	32.51	5.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 28 13 00-0039 EA 5 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	31.94	5.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 28 13 00-0040 EA 10 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	32.14	5.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 28 13 00-0041 EA 15 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	29.94	5.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 28 13 00-0042 EA 20 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	29.72	5.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 28 13 00-0043 EA 25 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	29.42	5.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 28 13 00-0044 EA 30 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	29.86	5.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 28 13 00-0045 EA 35 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	42.94	5.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 28 13 00-0046 EA 40 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	43.05	5.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 28 13 00-0047 EA 45 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	42.22	5.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 28 13 00-0048 EA 50 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	42.61	5.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 28 13 00-0049 EA 60 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	42.96	5.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 28 13 00-0050 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses <small>(26 28 13 00-0001)</small>		
26 28 13 00-0051 EA 70 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	79.97	6.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.21	
26 28 13 00-0052 EA 80 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	82.03	6.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.63	
26 28 13 00-0053 EA 90 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	81.59	6.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.63	
26 28 13 00-0054 EA 100 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	81.93	6.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.63	
26 28 13 00-0055 EA 110 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	148.98	6.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.63	
26 28 13 00-0056 EA 125 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	151.21	6.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.63	
26 28 13 00-0057 EA 150 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	149.63	8.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.68	
26 28 13 00-0058 EA 200 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	149.26	8.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.68	
26 28 13 00-0059 EA 250 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	282.88	8.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.68	
26 28 13 00-0060 EA 300 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	285.02	10.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.95	
26 28 13 00-0061 EA 350 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	321.11	10.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.95	
26 28 13 00-0062 EA 400 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	291.15	10.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.95	
26 28 13 00-0063 EA 450 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	521.12	10.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.95	
26 28 13 00-0064 EA 500 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	464.97	12.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.42	
26 28 13 00-0065 EA 600 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	405.90	12.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.42	
26 28 13 00-0066 600 Volt AC, Class CC Midget Fuses <small>(26 28 13)</small> Note: 250/300 Volt DC.		
26 28 13 00-0067 EA 1 Amp, 600 Volt AC, Class CC Midget Fuse.....	27.25	5.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 28 13 00-0068 EA 2 Amp, 600 Volt AC, Class CC Midget Fuse.....	27.65	5.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 28 13 00-0069 EA 3 Amp, 600 Volt AC, Class CC Midget Fuse.....	27.54	5.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 28 13 00-0070 EA 5 Amp, 600 Volt AC, Class CC Midget Fuse.....	27.41	5.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 28 13 00-0071 EA 6 Amp, 600 Volt AC, Class CC Midget Fuse.....	29.31	5.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 28 13 00-0072 EA 8 Amp, 600 Volt AC, Class CC Midget Fuse.....	26.27	5.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 28 13 00-0073 EA 10 Amp, 600 Volt AC, Class CC Midget Fuse.....	29.83	5.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 28 13 00-0074 EA 15 Amp, 600 Volt AC, Class CC Midget Fuse.....	27.42	5.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 28 13 00-0075 EA 20 Amp, 600 Volt AC, Class CC Midget Fuse.....	26.93	5.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 28 13 00-0076 EA 25 Amp, 600 Volt AC, Class CC Midget Fuse.....	25.79	5.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0077 EA 30 Amp, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.75 3.37	5.05
26 28 13 00-0078 200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse ^(26 28 13)		
26 28 13 00-0079 EA 1 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.52 2.11	3.51
26 28 13 00-0080 EA 3 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.78 2.11	3.51
26 28 13 00-0081 EA 6 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.19 2.53	4.21
26 28 13 00-0082 EA 10 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.18 3.16	5.26
26 28 13 00-0083 EA 15 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.81 3.16	5.26
26 28 13 00-0084 EA 20 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.25 3.16	5.26
26 28 13 00-0085 EA 25 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.58 4.21	7.02
26 28 13 00-0086 EA 30 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.28 4.21	7.02
26 28 13 00-0087 EA 35 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.82 4.21	7.02
26 28 13 00-0088 EA 40 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.71 4.21	7.02
26 28 13 00-0089 EA 45 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.58 4.21	7.02
26 28 13 00-0090 EA 50 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.76 5.26	8.76
26 28 13 00-0091 EA 60 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.89 5.26	8.76
26 28 13 00-0092 EA 70 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.98 6.32	10.52
26 28 13 00-0093 EA 80 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.80 6.32	10.52
26 28 13 00-0094 EA 90 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.57 6.32	10.52
26 28 13 00-0095 EA 100 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.30 7.37	12.27
26 28 13 00-0096 EA 110 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.10 7.37	12.27
26 28 13 00-0097 EA 125 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.57 7.37	12.27
26 28 13 00-0098 EA 150 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	128.57 8.42	14.03
26 28 13 00-0099 EA 175 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.45 8.42	14.03
26 28 13 00-0100 EA 200 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.56 8.42	14.03
26 28 13 00-0101 EA 225 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	272.26 8.42	14.03
26 28 13 00-0102 EA 250 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	251.83 8.42	14.03
26 28 13 00-0103 EA 300 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	232.17 8.42	14.03
26 28 13 00-0104 EA 350 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	253.09 8.42	14.03
26 28 13 00-0105 EA 400 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	209.40 9.47	15.78
26 28 13 00-0106 EA 450 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	442.84 9.47	15.78
26 28 13 00-0107 EA 500 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	376.33 10.52	17.54
26 28 13 00-0108 EA 600 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	280.43 10.52	17.54
26 28 13 00-0109 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses ^(26 28 13)		
26 28 13 00-0110 EA 100 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	844.93 5.26	8.76
26 28 13 00-0111 EA 150 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	846.60 5.26	8.76
26 28 13 00-0112 EA 200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	848.15 5.26	8.76
26 28 13 00-0113 EA 250 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	845.70 6.32	10.52
26 28 13 00-0114 EA 300 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	779.00 6.32	10.52
26 28 13 00-0115 EA 350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	833.69 7.37	12.27
26 28 13 00-0116 EA 400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	767.47 7.37	12.27

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 28	Low-Voltage Circuit Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0117 EA 450 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	858.15	12.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 28 13 00-0118 EA 500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	841.44	12.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 28 13 00-0119 EA 600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	748.90	14.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.42	
26 28 13 00-0120 EA 601 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	768.99	14.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.42	
26 28 13 00-0121 EA 650 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,021.59	14.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.42	
26 28 13 00-0122 EA 700 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	745.26	14.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.42	
26 28 13 00-0123 EA 750 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,143.40	15.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.47	
26 28 13 00-0124 EA 800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	659.75	15.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.47	
26 28 13 00-0125 EA 900 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	962.16	15.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.47	
26 28 13 00-0126 EA 1,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	648.70	15.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.47	
26 28 13 00-0127 EA 1,200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	667.92	15.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.47	
26 28 13 00-0128 EA 1,350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,481.41	15.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.47	
26 28 13 00-0129 EA 1,400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,460.64	15.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.47	
26 28 13 00-0130 EA 1,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,318.11	15.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.47	
26 28 13 00-0131 EA 1,600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	824.89	17.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.52	
26 28 13 00-0132 EA 1,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,744.68	17.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.52	
26 28 13 00-0133 EA 2,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,118.07	17.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.52	
26 28 13 00-0134 EA 2,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,510.34	17.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.52	
26 28 13 00-0135 EA 2,501 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,570.67	17.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.52	
26 28 13 00-0136 EA 3,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,683.66	19.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.57	
26 28 13 00-0137 EA 3,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,477.97	19.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.57	
26 28 13 00-0138 EA 3,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	4,035.08	19.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.57	
26 28 13 00-0139 EA 4,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,334.75	19.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.57	
26 28 13 00-0140 EA 5,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,682.53	19.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.57	
26 28 13 00-0141 EA 6,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	6,093.70	19.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.57	

26 28 16 Enclosed Switches And Circuit Breakers (26 28)

26 28 16 00-0001	Motor And Circuit Disconnects (26 28 16)		
	Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.		
26 28 16 00-0002	NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0001)		
26 28 16 00-0003	Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0002)		
	Note: Includes fuses and neutral bar.		
26 28 16 00-0004	240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0003)		
26 28 16 00-0005 EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	273.21	70.15
26 28 16 00-0006 EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	434.90	84.52
26 28 16 00-0007 EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	601.46	98.90
26 28 16 00-0008 EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,039.06	155.72
26 28 16 00-0009 EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,228.79	242.00
26 28 16 00-0010 EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,731.82	357.75
26 28 16 00-0011 EA	800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,105.30	420.87
26 28 16 00-0012 EA	1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,870.29	491.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0013	600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0003)</small>	
26 28 16 00-0014 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	421.97	77.94
26 28 16 00-0015 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	509.15	93.93
26 28 16 00-0016 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	818.18	109.78
26 28 16 00-0017 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,207.35	173.26
26 28 16 00-0018 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,657.81	268.80
26 28 16 00-0019 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,147.94	397.30
26 28 16 00-0020 EA 800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,159.56	467.38
26 28 16 00-0021 EA 1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,435.13	545.59
26 28 16 00-0022	240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0003)</small>	
26 28 16 00-0023 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	386.43	110.13
26 28 16 00-0024 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	572.92	146.26
26 28 16 00-0025 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	778.74	162.39
26 28 16 00-0026 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,232.44	254.27
26 28 16 00-0027 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,583.51	417.36
26 28 16 00-0028 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,222.21	584.67
26 28 16 00-0029	600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0003)</small>	
26 28 16 00-0030 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	509.65	121.70
26 28 16 00-0031 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	646.14	162.39
26 28 16 00-0032 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	964.05	182.73
26 28 16 00-0033 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,417.49	278.48
26 28 16 00-0034 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,193.11	449.63
26 28 16 00-0035 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,154.07	649.55
26 28 16 00-0036 EA 800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,256.81	771.60
26 28 16 00-0037 EA 1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,577.84	876.82
26 28 16 00-0038	240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0003)</small>	
26 28 16 00-0039 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	373.66	110.13
26 28 16 00-0040 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	556.42	146.26
26 28 16 00-0041 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	748.73	162.39
26 28 16 00-0042 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,273.72	254.27
26 28 16 00-0043 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,816.13	417.36
26 28 16 00-0044 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,572.17	584.67
26 28 16 00-0045 EA 800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,616.49	736.53
26 28 16 00-0046 EA 1,200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,405.15	841.75
26 28 16 00-0047	600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0003)</small>	
26 28 16 00-0048 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	556.49	121.70

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0049 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	703.70	162.39
26 28 16 00-0050 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,048.21	182.73
26 28 16 00-0051 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,543.48	278.48
26 28 16 00-0052 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,461.92	449.63
26 28 16 00-0053 EA 600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,628.82	649.55
26 28 16 00-0054 EA 800 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	9,045.01	771.60
26 28 16 00-0055 EA 1,200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	11,429.26	876.82
26 28 16 00-0056 Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0057 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0058 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	265.13	101.50
26 28 16 00-0059 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	414.21	141.20
26 28 16 00-0060 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	575.47	162.39
26 28 16 00-0061 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	900.80	259.82
26 28 16 00-0062 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,830.54	433.00
26 28 16 00-0063 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,009.90	590.48
26 28 16 00-0064 EA 800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,320.01	701.45
26 28 16 00-0065 EA 1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,719.92	818.66
26 28 16 00-0066 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0067 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	292.88	112.03
26 28 16 00-0068 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	469.32	158.46
26 28 16 00-0069 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	650.88	180.42
26 28 16 00-0070 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,009.94	282.41
26 28 16 00-0071 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,969.63	463.95
26 28 16 00-0072 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,329.22	649.48
26 28 16 00-0073 EA 800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,801.83	701.45
26 28 16 00-0074 EA 1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,379.75	818.66
26 28 16 00-0075 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0076 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	307.51	91.19
26 28 16 00-0077 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	473.16	126.97
26 28 16 00-0078 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	643.26	146.26
26 28 16 00-0079 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,009.82	233.94
26 28 16 00-0080 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,037.10	389.66
26 28 16 00-0081 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,302.86	531.35
26 28 16 00-0082 EA 800 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,739.04	631.31
26 28 16 00-0083 EA 1,200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,495.38	736.53
26 28 16 00-0084 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0085 EA 30 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	335.27	100.66



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0086 EA 60 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	519.78	142.75
26 28 16 00-0087 EA 100 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	700.81	162.39
26 28 16 00-0088 EA 200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,089.20	254.27
26 28 16 00-0089 EA 400 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,182.60	417.36
26 28 16 00-0090 EA 600 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,569.14	584.67
26 28 16 00-0091 EA 800 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,057.87	631.31
26 28 16 00-0092 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0096)</small>		
26 28 16 00-0093 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	359.04	100.80
26 28 16 00-0094 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	560.32	142.61
26 28 16 00-0095 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	766.73	162.39
26 28 16 00-0096 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,190.74	254.14
26 28 16 00-0097 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,324.63	417.50
26 28 16 00-0098 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,989.47	584.53
26 28 16 00-0099 EA 800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,537.65	631.31
26 28 16 00-0100 EA 1,200 Amp, 600 Volt Class, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,570.44	736.53
26 28 16 00-0101 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0096)</small>		
26 28 16 00-0102 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	535.80	91.33
26 28 16 00-0103 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	644.37	127.11
26 28 16 00-0104 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	996.39	146.12
26 28 16 00-0105 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,492.78	233.80
26 28 16 00-0106 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0096)</small>		
26 28 16 00-0107 EA 30 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	579.92	100.66
26 28 16 00-0108 EA 60 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	703.25	142.75
26 28 16 00-0109 EA 100 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,079.17	162.39
26 28 16 00-0110 EA 200 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,606.68	254.27
26 28 16 00-0111 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0096)</small>		
26 28 16 00-0112 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	646.08	100.80
26 28 16 00-0113 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	776.22	142.61
26 28 16 00-0114 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,210.39	162.39
26 28 16 00-0115 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,797.82	254.14
26 28 16 00-0116 General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0002)</small> Note: Includes fuses and neutral bar.		
26 28 16 00-0117 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0116)</small>		
26 28 16 00-0118 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	187.44	61.03
26 28 16 00-0119 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	257.18	73.44
26 28 16 00-0120 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	400.33	85.86

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 28	Low-Voltage Circuit Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0121 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	745.13	135.45
26 28 16 00-0122 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,791.79	210.09
26 28 16 00-0123 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,365.17	310.95
26 28 16 00-0124 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0116)		
26 28 16 00-0125 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	256.99	95.89
26 28 16 00-0126 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	364.21	127.11
26 28 16 00-0127 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	511.00	141.20
26 28 16 00-0128 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	917.05	221.02
26 28 16 00-0129 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,099.48	363.07
26 28 16 00-0130 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,763.28	508.27
26 28 16 00-0131 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0116)		
26 28 16 00-0132 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	287.85	95.89
26 28 16 00-0133 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	413.98	127.11
26 28 16 00-0134 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	556.29	141.20
26 28 16 00-0135 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,031.13	221.02
26 28 16 00-0136 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,294.49	363.07
26 28 16 00-0137 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,886.90	508.27
26 28 16 00-0138 General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0002)		
26 28 16 00-0139 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0138)		
26 28 16 00-0140 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	255.85	84.87
26 28 16 00-0141 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	343.21	97.57
26 28 16 00-0142 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	786.39	155.93
26 28 16 00-0143 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,699.63	259.54
26 28 16 00-0144 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,958.96	353.68
26 28 16 00-0145 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0138)		
26 28 16 00-0146 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	241.82	79.40
26 28 16 00-0147 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	331.06	110.48
26 28 16 00-0148 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	510.70	127.11
26 28 16 00-0149 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	881.68	203.35
26 28 16 00-0150 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,859.01	338.95
26 28 16 00-0151 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,176.99	461.98
26 28 16 00-0152 NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 00-0001)		
26 28 16 00-0153 Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 00-0152)		
Note: With fuses, neutral bar, and hub if required.		
26 28 16 00-0154 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 00-0153)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0155 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	404.82	82.42
26 28 16 00-0156 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	649.58	98.90
26 28 16 00-0157 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	813.36	115.03
26 28 16 00-0158 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,189.36	175.36
26 28 16 00-0159 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,646.63	280.58
26 28 16 00-0160 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,658.92	374.23
26 28 16 00-0161 EA 800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,009.46	420.87
26 28 16 00-0162 EA 1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,299.84	491.02
26 28 16 00-0163 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾		
<small>28 16 00-0153</small>		
26 28 16 00-0164 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	702.26	109.85
26 28 16 00-0165 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	835.57	134.68
26 28 16 00-0166 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,192.33	154.67
26 28 16 00-0167 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,677.46	231.97
26 28 16 00-0168 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,672.14	379.55
26 28 16 00-0169 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,783.56	521.95
26 28 16 00-0170 EA 800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,002.41	601.01
26 28 16 00-0171 EA 1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,016.12	676.55
26 28 16 00-0172 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾		
<small>28 16 00-0153</small>		
26 28 16 00-0173 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	512.12	129.77
26 28 16 00-0174 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	818.84	171.85
26 28 16 00-0175 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	990.15	188.69
26 28 16 00-0176 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,465.96	292.15
26 28 16 00-0177 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,195.45	487.16
26 28 16 00-0178 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,358.67	649.55
26 28 16 00-0179 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾		
<small>28 16 00-0153</small>		
26 28 16 00-0180 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	791.65	153.83
26 28 16 00-0181 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	943.69	188.55
26 28 16 00-0182 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,269.68	216.47
26 28 16 00-0183 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,842.65	324.77
26 28 16 00-0184 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,906.84	531.43
26 28 16 00-0185 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,096.88	730.70
26 28 16 00-0186 EA 800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,079.80	841.75
26 28 16 00-0187 EA 1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,076.48	946.96
26 28 16 00-0188 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾		
<small>28 16 00-0153</small>		
26 28 16 00-0189 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	564.46	129.77

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0190 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	820.36	171.85
26 28 16 00-0191 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,063.74	188.69
26 28 16 00-0192 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,515.05	292.15
26 28 16 00-0193 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,240.47	487.16
26 28 16 00-0194 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,853.94	649.55
26 28 16 00-0195 EA 800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,831.34	736.53
26 28 16 00-0196 EA 1,200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,268.27	841.75
26 28 16 00-0197 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 00-0153)		
26 28 16 00-0198 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	821.68	153.97
26 28 16 00-0199 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	977.45	188.69
26 28 16 00-0200 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,344.72	216.40
26 28 16 00-0201 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,891.42	324.77
26 28 16 00-0202 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,083.19	531.35
26 28 16 00-0203 EA 600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,299.49	730.56
26 28 16 00-0204 EA 800 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,717.79	841.75
26 28 16 00-0205 EA 1,200 Amp, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,917.43	946.96
26 28 16 00-0206 Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 00-0152)		
26 28 16 00-0207 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 00-0206)		
26 28 16 00-0208 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	385.41	72.18
26 28 16 00-0209 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	632.53	99.95
26 28 16 00-0210 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	834.68	114.61
26 28 16 00-0211 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,104.57	185.60
26 28 16 00-0212 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,477.93	309.62
26 28 16 00-0213 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,546.20	412.80
26 28 16 00-0214 EA 800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,345.40	491.23
26 28 16 00-0215 EA 1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,712.67	561.37
26 28 16 00-0216 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 00-0206)		
26 28 16 00-0217 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	434.24	79.54
26 28 16 00-0218 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	717.16	111.32
26 28 16 00-0219 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	943.15	125.70
26 28 16 00-0220 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,227.93	194.87
26 28 16 00-0221 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,817.05	324.77
26 28 16 00-0222 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,910.67	433.00
26 28 16 00-0223 EA 800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,835.35	514.59
26 28 16 00-0224 EA 1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,357.11	584.53
26 28 16 00-0225 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 00-0206)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0226 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	457.58	108.24
26 28 16 00-0227 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	732.44	149.90
26 28 16 00-0228 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	949.29	171.92
26 28 16 00-0229 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,290.14	278.41
26 28 16 00-0230 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,825.25	464.37
26 28 16 00-0231 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,032.82	619.04
26 28 16 00-0232 EA 800 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,919.08	736.53
26 28 16 00-0233 EA 1,200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,508.55	841.75
26 28 16 00-0234 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0206)</small>		
26 28 16 00-0235 EA 30 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	496.89	119.25
26 28 16 00-0236 EA 60 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	797.60	167.01
26 28 16 00-0237 EA 100 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,025.81	188.55
26 28 16 00-0238 EA 200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,370.37	292.29
26 28 16 00-0239 EA 400 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,006.11	487.09
26 28 16 00-0240 EA 600 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,364.40	649.48
26 28 16 00-0241 EA 800 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,449.50	771.60
26 28 16 00-0242 EA 1,200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,207.91	876.82
26 28 16 00-0243 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0206)</small>		
26 28 16 00-0244 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	258.12	119.25
26 28 16 00-0245 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	828.49	167.01
26 28 16 00-0246 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,068.87	188.55
26 28 16 00-0247 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,422.78	292.29
26 28 16 00-0248 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,141.80	487.09
26 28 16 00-0249 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,343.67	649.48
26 28 16 00-0250 EA 800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,437.89	771.60
26 28 16 00-0251 EA 1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,192.10	876.82
26 28 16 00-0252 General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0152)</small>		
Note: With fuses, neutral bar, and hub if required.		
26 28 16 00-0253 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0252)</small>		
26 28 16 00-0254 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	243.79	71.69
26 28 16 00-0255 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	346.72	86.00
26 28 16 00-0256 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	458.36	100.02
26 28 16 00-0257 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	949.51	152.49
26 28 16 00-0258 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,345.88	243.97
26 28 16 00-0259 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,177.49	325.47
26 28 16 00-0260 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0252)</small>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0261 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	326.75	113.01
26 28 16 00-0262 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	474.00	149.48
26 28 16 00-0263 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	586.03	164.00
26 28 16 00-0264 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,153.48	254.14
26 28 16 00-0265 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,706.51	423.54
26 28 16 00-0266 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,662.11	564.95
26 28 16 00-0267 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0267)</small>		
26 28 16 00-0268 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	370.01	112.94
26 28 16 00-0269 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	517.37	149.48
26 28 16 00-0270 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	725.69	164.00
26 28 16 00-0271 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,243.69	254.14
26 28 16 00-0272 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,764.46	423.61
26 28 16 00-0273 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,114.56	564.95
26 28 16 00-0274 EA 800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,339.22	640.01
26 28 16 00-0275 General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0152)</small>		
26 28 16 00-0276 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0275)</small>		
26 28 16 00-0277 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	220.34	62.78
26 28 16 00-0278 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	363.45	86.91
26 28 16 00-0279 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	380.53	99.67
26 28 16 00-0280 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	967.62	161.34
26 28 16 00-0281 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,396.91	269.22
26 28 16 00-0282 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,246.44	358.94
26 28 16 00-0283 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0275)</small>		
26 28 16 00-0284 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	345.64	94.14
26 28 16 00-0285 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	498.49	130.33
26 28 16 00-0286 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	737.37	149.48
26 28 16 00-0287 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,270.16	242.07
26 28 16 00-0288 NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0001)</small>		
26 28 16 00-0289 Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0288)</small>		
Note: With fuses and neutral bar (stainless steel).		
26 28 16 00-0290 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>		
26 28 16 00-0291 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,102.07	70.15
26 28 16 00-0292 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,323.82	84.52
26 28 16 00-0293 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,714.21	98.76
26 28 16 00-0294 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,750.56	155.86
26 28 16 00-0295 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	7,638.52	241.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0296 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,977.99	357.61
26 28 16 00-0297 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>		
26 28 16 00-0298 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,400.58	77.94
26 28 16 00-0299 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,556.19	93.86
26 28 16 00-0300 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,934.07	109.71
26 28 16 00-0301 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,143.36	173.26
26 28 16 00-0302 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,929.41	268.94
26 28 16 00-0303 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,367.53	397.30
26 28 16 00-0304 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>		
26 28 16 00-0305 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,232.67	110.27
26 28 16 00-0306 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,543.57	146.12
26 28 16 00-0307 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,965.92	162.39
26 28 16 00-0308 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,211.88	254.14
26 28 16 00-0309 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,226.56	417.50
26 28 16 00-0310 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,742.04	584.53
26 28 16 00-0311 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>		
26 28 16 00-0312 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,492.14	121.77
26 28 16 00-0313 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,697.44	162.39
26 28 16 00-0314 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,088.40	182.66
26 28 16 00-0315 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,365.34	278.34
26 28 16 00-0316 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,492.56	449.63
26 28 16 00-0317 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,082.79	649.48
26 28 16 00-0318 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>		
26 28 16 00-0319 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,477.40	110.27
26 28 16 00-0320 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,849.51	146.12
26 28 16 00-0321 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,578.10	162.39
26 28 16 00-0322 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,049.01	254.14
26 28 16 00-0323 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,874.14	417.50
26 28 16 00-0324 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,006.20	584.53
26 28 16 00-0325 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>		
26 28 16 00-0326 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,781.32	121.77
26 28 16 00-0327 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,025.36	162.39
26 28 16 00-0328 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,713.28	182.66
26 28 16 00-0329 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,209.46	278.34
26 28 16 00-0330 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,162.37	449.63

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0331 EA 600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,377.83	649.48
26 28 16 00-0332 Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0288)</small>		
26 28 16 00-0333 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		
26 28 16 00-0334 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,056.91	70.15
26 28 16 00-0335 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,284.31	97.57
26 28 16 00-0336 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,430.13	112.24
26 28 16 00-0337 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,367.57	179.29
26 28 16 00-0338 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,135.76	298.54
26 28 16 00-0339 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,791.54	406.71
26 28 16 00-0340 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		
26 28 16 00-0341 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,202.37	77.37
26 28 16 00-0342 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,463.50	109.43
26 28 16 00-0343 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,770.17	124.72
26 28 16 00-0344 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,828.59	194.87
26 28 16 00-0345 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,971.33	320.71
26 28 16 00-0346 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,015.83	448.93
26 28 16 00-0347 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		
26 28 16 00-0348 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,099.29	91.33
26 28 16 00-0349 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,325.94	127.11
26 28 16 00-0350 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,381.38	146.12
26 28 16 00-0351 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,673.29	233.80
26 28 16 00-0352 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,788.34	389.73
26 28 16 00-0353 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,303.69	531.43
26 28 16 00-0354 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		
26 28 16 00-0355 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,249.12	100.80
26 28 16 00-0356 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,529.84	142.61
26 28 16 00-0357 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,845.50	162.39
26 28 16 00-0358 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,947.11	254.14
26 28 16 00-0359 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,896.62	417.50
26 28 16 00-0360 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,587.24	584.53
26 28 16 00-0361 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		
26 28 16 00-0362 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,517.67	91.33
26 28 16 00-0363 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,816.68	127.11



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0364 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,112.84	146.12
26 28 16 00-0365 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,272.19	233.80
26 28 16 00-0366 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		
26 28 16 00-0367 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,727.28	100.80
26 28 16 00-0368 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,070.89	142.61
26 28 16 00-0369 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,691.12	162.39
26 28 16 00-0370 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,142.07	254.14
26 28 16 00-0371 Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0288)</small>		
26 28 16 00-0372 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0371)</small>		
26 28 16 00-0373 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,299.09	121.70
26 28 16 00-0374 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,610.41	162.39
26 28 16 00-0375 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	4,742.01	182.73
26 28 16 00-0376 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0371)</small>		
26 28 16 00-0377 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,158.11	100.66
26 28 16 00-0378 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,461.92	142.75
26 28 16 00-0379 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	4,493.55	162.39
26 28 16 00-0380 NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 00-0001)</small>		
Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 00-0381 Heavy Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 00-0380)</small>		
Note: With fuses and neutral bar.		
26 28 16 00-0382 EA 30 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	1,810.52	140.29
26 28 16 00-0383 EA 60 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	1,863.96	167.01
26 28 16 00-0384 EA 100 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	2,264.96	188.55
26 28 16 00-0385 EA 200 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	4,825.45	292.29
26 28 16 00-0386 Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0380)</small>		
26 28 16 00-0387 EA 60 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	1,395.94	167.01
26 28 16 00-0388 EA 100 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	1,634.89	188.55
26 28 16 00-0389 EA 200 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	3,015.25	292.29
26 28 16 00-0390 NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0001)</small>		
26 28 16 00-0391 Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0390)</small>		
Note: With fuses and neutral bar.		
26 28 16 00-0392 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0391)</small>		
26 28 16 00-0393 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	394.30	70.15
26 28 16 00-0394 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	516.18	84.52
26 28 16 00-0395 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	707.29	98.90
26 28 16 00-0396 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,194.87	155.72
26 28 16 00-0397 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,566.12	242.00
26 28 16 00-0398 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,647.30	357.75
26 28 16 00-0399 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0391)</small>		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 28	Low-Voltage Circuit Protective Devices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0400	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	624.89	77.87
26 28 16 00-0401	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	641.89	94.00
26 28 16 00-0402	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	929.15	109.78
26 28 16 00-0403	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,453.41	173.26
26 28 16 00-0404	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,190.59	268.66
26 28 16 00-0405	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,335.80	397.37
26 28 16 00-0406		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0391)</small>		
26 28 16 00-0407	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	545.71	110.13
26 28 16 00-0408	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	757.12	146.26
26 28 16 00-0409	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,040.22	162.39
26 28 16 00-0410	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,543.82	254.27
26 28 16 00-0411	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,045.00	417.36
26 28 16 00-0412	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,903.88	584.67
26 28 16 00-0413		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0391)</small>		
26 28 16 00-0414	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	731.33	121.70
26 28 16 00-0415	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	823.77	162.39
26 28 16 00-0416	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,224.56	182.73
26 28 16 00-0417	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,779.87	278.48
26 28 16 00-0418	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,754.58	449.63
26 28 16 00-0419	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	7,099.61	649.55
26 28 16 00-0420		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0391)</small>		
26 28 16 00-0421	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	584.53	110.13
26 28 16 00-0422	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	783.79	146.26
26 28 16 00-0423	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,123.93	162.39
26 28 16 00-0424	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,648.92	254.27
26 28 16 00-0425	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,326.42	417.36
26 28 16 00-0426	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,093.99	584.67
26 28 16 00-0427		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0391)</small>		
26 28 16 00-0428	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	776.34	121.70
26 28 16 00-0429	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	943.84	162.39
26 28 16 00-0430	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,307.11	182.73
26 28 16 00-0431	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,937.45	278.48
26 28 16 00-0432	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,009.72	449.63
26 28 16 00-0433	EA	600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	7,309.72	649.55
26 28 16 00-0434		Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0390)</small>		



Electrical	26	
Low-Voltage Electrical Distribution	26 20	26
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0435 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0434)</small>		
26 28 16 00-0436 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	413.19	101.36
26 28 16 00-0437 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	547.08	141.34
26 28 16 00-0438 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	728.68	162.39
26 28 16 00-0439 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,035.59	259.89
26 28 16 00-0440 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,295.86	433.15
26 28 16 00-0441 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,648.18	590.62
26 28 16 00-0442 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0434)</small>		
26 28 16 00-0443 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	460.72	111.89
26 28 16 00-0444 EA 60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	607.87	158.53
26 28 16 00-0445 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	812.23	180.28
26 28 16 00-0446 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,125.17	282.34
26 28 16 00-0447 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,430.08	464.02
26 28 16 00-0448 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,030.85	649.55
26 28 16 00-0449 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0434)</small>		
26 28 16 00-0450 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	531.94	91.19
26 28 16 00-0451 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	698.37	126.97
26 28 16 00-0452 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	934.87	146.26
26 28 16 00-0453 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,328.96	233.94
26 28 16 00-0454 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,821.63	389.66
26 28 16 00-0455 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,470.78	531.35
26 28 16 00-0456 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0434)</small>		
26 28 16 00-0457 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	518.24	100.66
26 28 16 00-0458 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	754.15	142.75
26 28 16 00-0459 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,000.11	162.39
26 28 16 00-0460 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,307.48	254.27
26 28 16 00-0461 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,827.40	417.36
26 28 16 00-0462 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,333.84	584.67
26 28 16 00-0463 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0434)</small>		
26 28 16 00-0464 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	643.02	91.19
26 28 16 00-0465 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	761.54	126.97
26 28 16 00-0466 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,193.64	146.26
26 28 16 00-0467 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,892.36	233.94
26 28 16 00-0468 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,449.92	298.12
26 28 16 00-0469 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0434)</small>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0470 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	666.82	100.66
26 28 16 00-0471 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	829.19	142.75
26 28 16 00-0472 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,274.01	162.39
26 28 16 00-0473 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,941.57	254.27
26 28 16 00-0474 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,653.94	392.82
26 28 16 00-0475 Double Throw Safety Switches <small>(26 28 16 00-0001)</small>		
26 28 16 00-0476 NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0475)</small>		
26 28 16 00-0477 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0476)</small>		
26 28 16 00-0478 EA 30 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	494.56	90.14
26 28 16 00-0479 EA 60 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	733.43	117.84
26 28 16 00-0480 EA 100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,030.84	153.97
26 28 16 00-0481 EA 200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,375.58	200.27
26 28 16 00-0482 EA 400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,362.02	250.42
26 28 16 00-0483 EA 600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,126.56	401.58
26 28 16 00-0484 EA 800 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	7,009.57	561.16
26 28 16 00-0485 EA 1,000 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	10,366.26	631.31
26 28 16 00-0486 EA 1,200 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	12,222.28	701.45
26 28 16 00-0487 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0476)</small>		
26 28 16 00-0488 EA 30 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	621.76	126.26
26 28 16 00-0489 EA 60 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	870.00	164.85
26 28 16 00-0490 EA 100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,315.67	215.70
26 28 16 00-0491 EA 200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,938.69	280.58
26 28 16 00-0492 EA 400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,631.80	350.73
26 28 16 00-0493 EA 600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,449.84	561.16
26 28 16 00-0494 EA 800 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	7,555.29	631.31
26 28 16 00-0495 EA 1,000 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	10,843.37	701.45
26 28 16 00-0496 EA 1,200 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	12,867.02	771.60
26 28 16 00-0497 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0476)</small>		
26 28 16 00-0498 EA 30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	827.98	157.83
26 28 16 00-0499 EA 60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,208.97	206.23
26 28 16 00-0500 EA 100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,163.39	269.36
26 28 16 00-0501 EA 200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,966.93	350.03
26 28 16 00-0502 EA 400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,028.97	438.41
26 28 16 00-0503 EA 600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,600.43	702.51
26 28 16 00-0504 EA 800 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	9,641.11	771.60
26 28 16 00-0505 EA 1,000 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	12,865.98	806.67
26 28 16 00-0506 EA 1,200 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	14,443.13	841.75
26 28 16 00-0507 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0476)</small>		
26 28 16 00-0508 EA 60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	850.45	117.84
26 28 16 00-0509 EA 100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,283.17	153.97
26 28 16 00-0510 EA 200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,896.42	200.27
26 28 16 00-0511 EA 400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,513.49	250.42
26 28 16 00-0512 EA 600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,665.61	401.58
26 28 16 00-0513 EA 800 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	7,598.29	561.16
26 28 16 00-0514 EA 1,000 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	11,276.62	631.31
26 28 16 00-0515 EA 1,200 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	13,304.22	701.45
26 28 16 00-0516 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0476)</small>		
26 28 16 00-0517 EA 60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	944.34	164.85
26 28 16 00-0518 EA 100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,406.26	215.70
26 28 16 00-0519 EA 200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,056.37	280.58
26 28 16 00-0520 EA 400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,713.95	350.73
26 28 16 00-0521 EA 600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,985.80	561.16
26 28 16 00-0522 EA 800 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	8,184.56	631.31
26 28 16 00-0523 EA 1,000 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	11,787.42	701.45
26 28 16 00-0524 EA 1,200 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	13,999.40	771.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0525 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0476)</small>		
26 28 16 00-0526 EA 60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,282.17	206.23
26 28 16 00-0527 EA 100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,269.42	269.36
26 28 16 00-0528 EA 200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,185.65	350.03
26 28 16 00-0529 EA 400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	6,495.49	438.41
26 28 16 00-0530 EA 600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,123.14	702.51
26 28 16 00-0531 EA 800 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	10,450.90	771.60
26 28 16 00-0532 EA 1,000 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	13,991.24	806.67
26 28 16 00-0533 EA 1,200 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	15,719.09	841.75
26 28 16 00-0534 NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0475)</small>		
26 28 16 00-0535 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0534)</small>		
26 28 16 00-0536 EA 100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,296.14	153.97
26 28 16 00-0537 EA 200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,003.91	200.27
26 28 16 00-0538 EA 400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	9,921.55	250.42
26 28 16 00-0539 EA 600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	17,094.16	401.58
26 28 16 00-0540 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0534)</small>		
26 28 16 00-0541 EA 100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,696.10	215.35
26 28 16 00-0542 EA 200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,752.20	280.23
26 28 16 00-0543 EA 400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	10,217.77	350.73
26 28 16 00-0544 EA 600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	11,059.65	562.22
26 28 16 00-0545 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0534)</small>		
26 28 16 00-0546 EA 30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,644.90	157.90
26 28 16 00-0547 EA 60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,037.63	206.08
26 28 16 00-0548 EA 100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,861.44	269.29
26 28 16 00-0549 EA 200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,145.79	350.17
26 28 16 00-0550 EA 400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,071.58	438.41
26 28 16 00-0551 EA 600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	8,210.49	702.58
26 28 16 00-0552 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0534)</small>		
26 28 16 00-0553 EA 60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,101.89	117.84
26 28 16 00-0554 EA 100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,682.33	153.97
26 28 16 00-0555 EA 200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,078.87	200.27
26 28 16 00-0556 EA 400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,951.74	250.42
26 28 16 00-0557 EA 600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,939.95	401.58
26 28 16 00-0558 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0534)</small>		
26 28 16 00-0559 EA 60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,241.84	164.85
26 28 16 00-0560 EA 100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,877.92	215.35
26 28 16 00-0561 EA 200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,379.77	280.23
26 28 16 00-0562 EA 400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	6,439.11	350.73
26 28 16 00-0563 EA 600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	8,635.30	562.22
26 28 16 00-0564 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0534)</small>		
26 28 16 00-0565 EA 60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,054.59	206.08
26 28 16 00-0566 EA 100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,869.21	269.29
26 28 16 00-0567 EA 200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,253.83	350.17
26 28 16 00-0568 EA 400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,058.83	438.41
26 28 16 00-0569 EA 600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	8,280.81	702.58
26 28 16 00-0570 NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0475)</small>		
26 28 16 00-0571 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0570)</small>		
26 28 16 00-0572 EA 30 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,323.78	90.21
26 28 16 00-0573 EA 60 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,496.32	117.77
26 28 16 00-0574 EA 100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,688.90	153.90
26 28 16 00-0575 EA 200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,324.09	200.13
26 28 16 00-0576 EA 400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,367.70	250.49
26 28 16 00-0577 EA 600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,398.17	401.44



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 28 16 00-0578	240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0570)</small>		
26 28 16 00-0579 EA	30 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,516.58	126.26
26 28 16 00-0580 EA	60 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,790.71	164.85
26 28 16 00-0581 EA	100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,121.00	215.35
26 28 16 00-0582 EA	200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,961.30	280.23
26 28 16 00-0583 EA	400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,430.12	350.73
26 28 16 00-0584 EA	600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,155.23	562.22
26 28 16 00-0585	240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0570)</small>		
26 28 16 00-0586 EA	30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,272.20	157.90
26 28 16 00-0587 EA	60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,654.12	206.08
26 28 16 00-0588 EA	100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,641.59	269.29
26 28 16 00-0589 EA	200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,949.90	350.17
26 28 16 00-0590 EA	400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,206.30	438.41
26 28 16 00-0591 EA	600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	11,406.66	702.58
26 28 16 00-0592	600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0570)</small>		
26 28 16 00-0593 EA	60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,981.73	117.77
26 28 16 00-0594 EA	100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,077.74	153.90
26 28 16 00-0595 EA	200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,957.98	200.13
26 28 16 00-0596 EA	400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,719.48	250.49
26 28 16 00-0597 EA	600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,666.30	401.44
26 28 16 00-0598	600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0570)</small>		
26 28 16 00-0599 EA	60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,167.83	164.85
26 28 16 00-0600 EA	100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,294.07	215.35
26 28 16 00-0601 EA	200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,070.14	280.23
26 28 16 00-0602 EA	400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,194.40	350.73
26 28 16 00-0603 EA	600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,346.94	562.22
26 28 16 00-0604	600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0570)</small>		
26 28 16 00-0605 EA	60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,681.78	206.08
26 28 16 00-0606 EA	100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,845.58	269.29
26 28 16 00-0607 EA	200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,070.14	350.17
26 28 16 00-0608 EA	400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,465.10	438.41
26 28 16 00-0609 EA	600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	11,749.70	702.58
26 28 16 00-0610	Removal And Reinstallation Of Disconnect Switches <small>(26 28 16 00-0001)</small>		
	Note: Includes storage and cleaning.		
26 28 16 00-0611 EA	Removal And Reinstallation Of Up To 100 Amp Safety Disconnect Switch	350.73	
26 28 16 00-0612 EA	Removal And Reinstallation Of >100 To 200 Amp Safety Disconnect Switch	455.97	
26 28 16 00-0613 EA	Removal And Reinstallation Of >200 To 300 Amp Safety Disconnect Switch	508.59	
26 28 16 00-0614 EA	Removal And Reinstallation Of >300 To 400 Amp Safety Disconnect Switch	596.28	
26 28 16 00-0615	Bolted Contact Switches <small>(26 28 16)</small>		
	Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 00-0616	Electrical Trip, Bolted Contact Switches <small>(26 28 16 00-0615)</small>		
26 28 16 00-0617	Top Feed, Electrical Trip, Bolted Contact Switches <small>(26 28 16 00-0616)</small>		
26 28 16 00-0618 EA	800 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480)	5,234.45	701.45
26 28 16 00-0619 EA	1,200 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480)	5,679.42	841.75
26 28 16 00-0620 EA	1,600 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480)	6,190.78	982.04
26 28 16 00-0621 EA	2,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480)	6,550.41	1,122.33
26 28 16 00-0622 EA	2,500 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480)	7,396.86	1,262.62
26 28 16 00-0623 EA	3,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480)	9,248.63	1,402.91
26 28 16 00-0624 EA	4,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480)	12,433.70	1,683.49
26 28 16 00-0625	Bottom Feed, Electrical Trip, Bolted Contact Switches <small>(26 28 16 00-0616)</small>		
26 28 16 00-0626 EA	800 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480)	5,541.10	701.45
26 28 16 00-0627 EA	1,200 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480)	6,046.14	841.75
26 28 16 00-0628 EA	1,600 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480)	6,554.34	982.04
26 28 16 00-0629 EA	2,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480)	7,072.03	1,122.33
26 28 16 00-0630 EA	2,500 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480)	7,959.58	1,262.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0631 EA 3,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480)	10,304.52	1,402.91
26 28 16 00-0632 EA 4,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480)	13,533.85	1,683.49
26 28 16 00-0633 Manually Operated, Bolted Contact Switches (26 28 16 00-0615)		
26 28 16 00-0634 Top Feed, Manually Operated, Bolted Contact Switches (26 28 16 00-0633)		
26 28 16 00-0635 EA 800 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480)	3,856.11	701.45
26 28 16 00-0636 EA 1,200 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480)	4,317.52	841.75
26 28 16 00-0637 EA 1,600 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480)	4,804.85	982.04
26 28 16 00-0638 EA 2,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480)	5,288.40	1,122.33
26 28 16 00-0639 EA 2,500 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480)	5,803.55	1,262.62
26 28 16 00-0640 EA 3,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480)	7,655.32	1,402.91
26 28 16 00-0641 EA 4,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480)	10,802.45	1,683.49
26 28 16 00-0642 Bottom Feed, Manually Operated, Bolted Contact Switches (26 28 16 00-0633)		
26 28 16 00-0643 EA 800 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480)	4,059.07	701.45
26 28 16 00-0644 EA 1,200 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480)	4,624.17	841.75
26 28 16 00-0645 EA 1,600 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480)	5,102.02	982.04
26 28 16 00-0646 EA 2,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480)	5,681.04	1,122.33
26 28 16 00-0647 EA 2,500 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480)	6,296.72	1,262.62
26 28 16 00-0648 EA 3,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480)	8,632.17	1,402.91
26 28 16 00-0649 EA 4,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480)	11,826.73	1,683.49
26 29 Low-Voltage Controllers (26 29)		
26 29 13 Enclosed Controllers (26 29)		
26 29 13 13 Across-The-Line Motor Controllers (26 29 13)		
26 29 13 13-0001 Manual Motor Starters (26 29 13 13)		
26 29 13 13-0002 Fractional HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0003 EA NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1)	142.76	35.14
For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-2.02	
For Oversized Enclosure, Add	20.22	
For Pilot Light, Add	29.66	
26 29 13 13-0004 EA NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2)	187.11	45.68
For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-2.02	
For Oversized Enclosure, Add	20.22	
For Pilot Light, Add	29.66	
26 29 13 13-0005 EA NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3)	162.98	35.14
For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-2.02	
For Oversized Enclosure, Add	20.22	
For Pilot Light, Add	29.66	
26 29 13 13-0006 EA NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4)	207.33	45.68
For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-2.02	
For Oversized Enclosure, Add	20.22	
For Pilot Light, Add	29.66	
26 29 13 13-0007 EA NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5)	151.52	35.14
For Oversized Enclosure, Add	20.22	
26 29 13 13-0008 EA NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6)	198.57	45.68
For Oversized Enclosure, Add	20.22	
26 29 13 13-0009 EA NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1)	314.56	42.17
For Pilot Light, Add	77.53	
26 29 13 13-0010 EA NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2)	360.93	52.71
For Pilot Light, Add	77.53	
26 29 13 13-0011 EA NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1)	334.79	42.17
26 29 13 13-0012 EA NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2)	379.13	52.71
26 29 13 13-0013 Non Reversing Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0014 EA NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1)	113.21	35.14
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	9.76	
For Pilot Light, Add	46.83	
26 29 13 13-0015 EA NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2)	188.29	45.68
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	9.76	
For Pilot Light, Add	46.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0016 EA NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5).....	128.05	38.66
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	9.76	
For Pilot Light, Add	46.83	
26 29 13 13-0017 EA NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6).....	203.77	49.20
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	9.76	
For Pilot Light, Add	46.83	
26 29 13 13-0018 EA NEMA 1, Non Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3)	132.08	35.14
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	9.76	
For Pilot Light, Add	46.83	
26 29 13 13-0019 EA NEMA 1, Non Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4).....	207.81	45.68
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	9.76	
For Pilot Light, Add	46.83	
26 29 13 13-0020 EA NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1).....	288.59	42.17
For Pilot Light, Add	74.16	
26 29 13 13-0021 EA NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2)	356.51	52.71
For Pilot Light, Add	74.16	
26 29 13 13-0022 EA NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5)	304.08	45.68
For Pilot Light, Add	74.16	
26 29 13 13-0023 EA NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6)	370.05	56.23
For Pilot Light, Add	74.16	
26 29 13 13-0024 EA NEMA 3R, 7 And 9, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1).....	306.81	42.17
26 29 13 13-0025 EA NEMA 3R, 7 And 9, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2).....	379.92	52.71
26 29 13 13-0026 EA Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1).....	83.03	24.60
For Pilot Light, Add	46.83	
26 29 13 13-0027 EA Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2).....	158.10	35.14
For Pilot Light, Add	46.83	
26 29 13 13-0028 EA Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5).....	97.86	28.11
For Pilot Light, Add	46.83	
26 29 13 13-0029 EA Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6).....	172.93	38.66
For Pilot Light, Add	46.83	
26 29 13 13-0030 Reversing Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0031 EA NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11)	313.20	63.25
For Pilot Light, Add	75.46	
26 29 13 13-0032 EA NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22)	455.53	84.34
For Pilot Light, Add	75.46	
26 29 13 13-0033 Two Speed Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0034 EA NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11)	313.20	63.25
26 29 13 13-0035 EA NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22).....	455.53	84.34
26 29 13 13-0036 Non-Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0037 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1)	291.31	42.17
26 29 13 13-0038 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1)	291.31	42.17
26 29 13 13-0039 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11).....	612.77	49.20
26 29 13 13-0040 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1)	612.77	49.20
26 29 13 13-0041 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1)	804.23	49.20
26 29 13 13-0042 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1)	372.10	49.20
26 29 13 13-0043 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1)	250.00	31.63
26 29 13 13-0044 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1)	346.88	45.68



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0045	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1).....	346.88	45.68
26 29 13 13-0046	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11)	735.08	52.71
26 29 13 13-0047	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1).....	735.08	52.71
26 29 13 13-0048	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1).....	941.36	52.71
26 29 13 13-0049	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1)	427.67	52.71
26 29 13 13-0050	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1).....	305.57	35.14
26 29 13 13-0051	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2).....	458.39	49.20
26 29 13 13-0052	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2).....	458.39	49.20
26 29 13 13-0053	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12)	875.60	56.23
26 29 13 13-0054	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2)	875.60	56.23
26 29 13 13-0055	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2).....	1,073.12	56.23
26 29 13 13-0056	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2)	541.22	56.23
26 29 13 13-0057	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2).....	419.11	38.66
26 29 13 13-0058	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2)	360.60	52.71
26 29 13 13-0059	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2).....	360.60	52.71
26 29 13 13-0060	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12).....	682.07	59.74
26 29 13 13-0061	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2).....	682.07	59.74
26 29 13 13-0062	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2).....	878.92	59.74
26 29 13 13-0063	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2).....	442.07	59.74
26 29 13 13-0064	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2)	321.32	42.17
26 29 13 13-0065	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3).....	416.18	56.23
26 29 13 13-0066	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3).....	416.18	56.23
26 29 13 13-0067	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13)	804.37	63.25
26 29 13 13-0068	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3).....	804.37	63.25
26 29 13 13-0069	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3).....	1,015.38	63.25
26 29 13 13-0070	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3)	496.97	63.25
26 29 13 13-0071	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3).....	374.86	45.68
26 29 13 13-0072		Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0073	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1)	854.45	73.80
26 29 13 13-0074	EA	NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1)	854.45	73.80
26 29 13 13-0075	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1)	754.97	52.71
26 29 13 13-0076	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1).....	1,012.09	80.82
26 29 13 13-0077	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1)	912.62	59.74
26 29 13 13-0078		Two Speed Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0079	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1)	854.45	73.80
26 29 13 13-0080	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1)	754.97	52.71
26 29 13 13-0081	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1).....	1,012.09	80.82
26 29 13 13-0082	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1).....	912.62	59.74
26 29 13 13-0083		Magnetic Motor Starters (26 29 13 13)		
26 29 13 13-0084		Non Reversing, Magnetic Contactors (26 29 13 13-0083)		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0085			Open Enclosure, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
26 29 13 13-0086	EA		Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO11).....	334.05	70.28
			<i>For Factory Installed Accessory, Deduct</i>	-140.57	
26 29 13 13-0087	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO12).....	376.41	77.31
			<i>For Factory Installed Accessory, Deduct</i>	-154.62	
26 29 13 13-0088	EA		Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO5).....	362.36	70.28
			<i>For Factory Installed Accessory, Deduct</i>	-140.57	
26 29 13 13-0089	EA		Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO1).....	405.40	77.31
			<i>For Factory Installed Accessory, Deduct</i>	-154.62	
26 29 13 13-0090	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO2).....	447.76	84.34
			<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0091	EA		Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO3).....	566.12	105.42
			<i>For Factory Installed Accessory, Deduct</i>	-210.85	
26 29 13 13-0092	EA		Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO4).....	714.13	126.51
			<i>For Factory Installed Accessory, Deduct</i>	-253.02	
26 29 13 13-0093	EA		Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO5).....	423.60	77.31
			<i>For Factory Installed Accessory, Deduct</i>	-154.62	
26 29 13 13-0094	EA		Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO1).....	465.97	84.34
			<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0095	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO2).....	509.70	91.37
			<i>For Factory Installed Accessory, Deduct</i>	-182.74	
26 29 13 13-0096	EA		Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO3).....	649.80	122.99
			<i>For Factory Installed Accessory, Deduct</i>	-245.99	
26 29 13 13-0097	EA		Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO4).....	797.13	144.08
			<i>For Factory Installed Accessory, Deduct</i>	-288.16	
26 29 13 13-0098	EA		Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO1).....	726.18	84.34
			<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0099	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO2).....	805.44	105.42
			<i>For Factory Installed Accessory, Deduct</i>	-210.85	
26 29 13 13-0100	EA		Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO3).....	1,048.97	140.57
			<i>For Factory Installed Accessory, Deduct</i>	-281.13	
26 29 13 13-0101	EA		Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO1).....	1,093.97	105.42
			<i>For Factory Installed Accessory, Deduct</i>	-210.85	
26 29 13 13-0102	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO2).....	1,241.78	140.57
			<i>For Factory Installed Accessory, Deduct</i>	-281.13	
26 29 13 13-0103	EA		Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO3).....	1,580.37	175.71
			<i>For Factory Installed Accessory, Deduct</i>	-351.41	
26 29 13 13-0104	EA		Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO4).....	2,265.47	210.85
			<i>For Factory Installed Accessory, Deduct</i>	-421.70	
26 29 13 13-0105	EA		Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO1).....	2,483.04	175.71
			<i>For Factory Installed Accessory, Deduct</i>	-351.41	
26 29 13 13-0106	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO2).....	2,726.58	210.85
			<i>For Factory Installed Accessory, Deduct</i>	-421.70	
26 29 13 13-0107	EA		Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO3).....	3,698.86	245.99
			<i>For Factory Installed Accessory, Deduct</i>	-491.98	
26 29 13 13-0108	EA		Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO1).....	5,040.90	210.85
			<i>For Factory Installed Accessory, Deduct</i>	-421.70	
26 29 13 13-0109	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO2).....	5,585.27	281.13
			<i>For Factory Installed Accessory, Deduct</i>	-562.26	
26 29 13 13-0110	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHO2).....	14,554.70	421.70
			<i>For Factory Installed Accessory, Deduct</i>	-843.39	
26 29 13 13-0111	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2).....	20,834.00	632.54
			<i>For Factory Installed Accessory, Deduct</i>	-1,265.09	
26 29 13 13-0112			NEMA 1, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0113 EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG11).....	354.95	70.28
<i>For Factory Installed Accessory, Deduct</i>	-140.57	
26 29 13 13-0114 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG12).....	397.31	77.31
<i>For Factory Installed Accessory, Deduct</i>	-154.62	
26 29 13 13-0115 EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG5).....	383.26	70.28
<i>For Factory Installed Accessory, Deduct</i>	-140.57	
26 29 13 13-0116 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG1).....	426.97	77.31
<i>For Factory Installed Accessory, Deduct</i>	-154.62	
26 29 13 13-0117 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG2).....	469.34	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0118 EA Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG3).....	589.04	105.42
<i>For Factory Installed Accessory, Deduct</i>	-210.85	
26 29 13 13-0119 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG4).....	737.73	126.51
<i>For Factory Installed Accessory, Deduct</i>	-253.02	
26 29 13 13-0120 EA Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG5).....	445.85	77.31
<i>For Factory Installed Accessory, Deduct</i>	-154.62	
26 29 13 13-0121 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG1).....	489.56	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0122 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG2).....	531.94	91.37
<i>For Factory Installed Accessory, Deduct</i>	-182.74	
26 29 13 13-0123 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG3).....	672.72	122.99
<i>For Factory Installed Accessory, Deduct</i>	-245.99	
26 29 13 13-0124 EA Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG4).....	819.38	144.08
<i>For Factory Installed Accessory, Deduct</i>	-288.16	
26 29 13 13-0125 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG1).....	825.96	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0126 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG2).....	905.89	105.42
<i>For Factory Installed Accessory, Deduct</i>	-210.85	
26 29 13 13-0127 EA Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG3).....	1,148.75	140.57
<i>For Factory Installed Accessory, Deduct</i>	-281.13	
26 29 13 13-0128 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG1).....	1,290.15	105.42
<i>For Factory Installed Accessory, Deduct</i>	-210.85	
26 29 13 13-0129 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG2).....	1,437.28	140.57
<i>For Factory Installed Accessory, Deduct</i>	-281.13	
26 29 13 13-0130 EA Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG3).....	1,776.54	175.71
<i>For Factory Installed Accessory, Deduct</i>	-351.41	
26 29 13 13-0131 EA Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG1).....	2,889.54	175.71
<i>For Factory Installed Accessory, Deduct</i>	-351.41	
26 29 13 13-0132 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG2).....	3,133.09	210.85
<i>For Factory Installed Accessory, Deduct</i>	-421.70	
26 29 13 13-0133 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGG2).....	6,326.15	281.13
<i>For Factory Installed Accessory, Deduct</i>	-562.26	
26 29 13 13-0134 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHG2).....	17,812.82	421.70
<i>For Factory Installed Accessory, Deduct</i>	-843.39	
26 29 13 13-0135 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJG2).....	24,101.55	632.54
<i>For Factory Installed Accessory, Deduct</i>	-1,265.09	
26 29 13 13-0136 NEMA 12, Non Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13 13-0137 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA1).....	542.25	77.31
<i>For Factory Installed Accessory, Deduct</i>	-154.62	
26 29 13 13-0138 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA2).....	584.61	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0139 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCA2).....	647.22	91.37
<i>For Factory Installed Accessory, Deduct</i>	-182.74	
26 29 13 13-0140 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA1).....	1,036.29	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0141 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA2).....	1,116.89	105.42
<i>For Factory Installed Accessory, Deduct</i>	-210.85	
26 29 13 13-0142 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA1).....	1,539.58	105.42
<i>For Factory Installed Accessory, Deduct</i>	-210.85	
26 29 13 13-0143 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA2).....	1,686.04	140.57
<i>For Factory Installed Accessory, Deduct</i>	-281.13	
26 29 13 13-0144 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFA2).....	3,958.91	210.85
<i>For Factory Installed Accessory, Deduct</i>	-421.70	
26 29 13 13-0145 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGA2).....	8,439.57	281.13
<i>For Factory Installed Accessory, Deduct</i>	-562.26	
26 29 13 13-0146 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHA2).....	20,404.21	421.70
<i>For Factory Installed Accessory, Deduct</i>	-843.39	
26 29 13 13-0147 NEMA 4/4X, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0148 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBW12).....	805.73	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0149 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW11).....	835.39	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0150 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW12).....	877.78	91.37
<i>For Factory Installed Accessory, Deduct</i>	-182.74	
26 29 13 13-0151 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW13).....	1,018.55	122.99
<i>For Factory Installed Accessory, Deduct</i>	-245.99	
26 29 13 13-0152 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDW12).....	1,597.55	105.42
<i>For Factory Installed Accessory, Deduct</i>	-210.85	
26 29 13 13-0153 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEW12).....	2,416.13	140.57
<i>For Factory Installed Accessory, Deduct</i>	-281.13	
26 29 13 13-0154 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFW12).....	4,804.28	210.85
<i>For Factory Installed Accessory, Deduct</i>	-421.70	
26 29 13 13-0155 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGW12).....	8,439.57	281.13
<i>For Factory Installed Accessory, Deduct</i>	-562.26	
26 29 13 13-0156 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHW2).....	22,612.69	421.70
<i>For Factory Installed Accessory, Deduct</i>	-843.39	
26 29 13 13-0157 NEMA 7/9, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
Note: Bolted cast iron enclosure.		
26 29 13 13-0158 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBT2).....	1,620.37	112.46
<i>For Factory Installed Accessory, Deduct</i>	-224.90	
26 29 13 13-0159 Non Reversing, Magnetic Starters <small>(26 29 13 13-0083)</small>		
26 29 13 13-0160 Open Enclosure, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0161 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO11).....	400.79	70.28
<i>For Factory Installed Accessory, Deduct</i>	-140.57	
26 29 13 13-0162 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO12).....	414.84	77.31
<i>For Factory Installed Accessory, Deduct</i>	-154.62	
26 29 13 13-0163 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO1).....	447.87	77.31
<i>For Factory Installed Accessory, Deduct</i>	-154.62	
26 29 13 13-0164 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO2).....	495.63	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0165 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO4).....	798.40	126.51
<i>For Factory Installed Accessory, Deduct</i>	-253.02	
26 29 13 13-0166 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO1).....	510.46	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0167 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO3).....	600.71	91.37
<i>For Factory Installed Accessory, Deduct</i>	-182.74	
26 29 13 13-0168 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO2).....	629.02	91.37
<i>For Factory Installed Accessory, Deduct</i>	-182.74	



Electrical	26
Low-Voltage Electrical Distribution	26 20
Low-Voltage Controllers	26 29

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0169 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO6).....	787.53	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0170 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO1).....	892.40	105.42
<i>For Factory Installed Accessory, Deduct</i>	-210.85	
26 29 13 13-0171 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEO1).....	1,385.37	140.57
<i>For Factory Installed Accessory, Deduct</i>	-281.13	
26 29 13 13-0172 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFO1).....	2,947.70	210.85
<i>For Factory Installed Accessory, Deduct</i>	-421.70	
26 29 13 13-0173 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGO1).....	6,731.98	281.13
<i>For Factory Installed Accessory, Deduct</i>	-562.26	
26 29 13 13-0174 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHO2).....	15,509.96	421.70
<i>For Factory Installed Accessory, Deduct</i>	-843.39	
26 29 13 13-0175 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SJO2).....	22,338.68	632.54
<i>For Factory Installed Accessory, Deduct</i>	-1,265.09	
26 29 13 13-0176 NEMA 1, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0177 EA Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG11).....	423.03	70.28
<i>For Factory Installed Accessory, Deduct</i>	-140.57	
26 29 13 13-0178 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG12).....	437.08	77.31
<i>For Factory Installed Accessory, Deduct</i>	-154.62	
26 29 13 13-0179 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG1).....	470.12	77.31
<i>For Factory Installed Accessory, Deduct</i>	-154.62	
26 29 13 13-0180 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG2).....	517.87	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0181 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG1).....	532.03	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0182 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG3).....	580.48	91.37
<i>For Factory Installed Accessory, Deduct</i>	-182.74	
26 29 13 13-0183 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG2).....	651.94	91.37
<i>For Factory Installed Accessory, Deduct</i>	-182.74	
26 29 13 13-0184 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG6).....	887.98	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0185 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG1).....	992.85	105.42
<i>For Factory Installed Accessory, Deduct</i>	-210.85	
26 29 13 13-0186 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEG1).....	1,581.54	140.57
<i>For Factory Installed Accessory, Deduct</i>	-281.13	
26 29 13 13-0187 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFG1).....	3,354.20	210.85
<i>For Factory Installed Accessory, Deduct</i>	-421.70	
26 29 13 13-0188 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGG1).....	7,474.88	281.13
<i>For Factory Installed Accessory, Deduct</i>	-562.26	
26 29 13 13-0189 NEMA 12, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0190 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA1).....	585.39	77.31
<i>For Factory Installed Accessory, Deduct</i>	-154.62	
26 29 13 13-0191 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA2).....	633.15	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0192 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA1).....	647.31	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0193 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA3).....	695.76	91.37
<i>For Factory Installed Accessory, Deduct</i>	-182.74	
26 29 13 13-0194 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA2).....	767.22	91.37
<i>For Factory Installed Accessory, Deduct</i>	-182.74	
26 29 13 13-0195 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA6).....	1,098.98	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0196 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA1).....	1,203.18	105.42
<i>For Factory Installed Accessory, Deduct</i>	-210.85	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 29	Low-Voltage Controllers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0197 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEA1).....	1,830.30	140.57
<i>For Factory Installed Accessory, Deduct</i>	-281.13	
26 29 13 13-0198 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFA1).....	4,179.35	210.85
<i>For Factory Installed Accessory, Deduct</i>	-421.70	
26 29 13 13-0199 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGA1).....	9,586.28	281.13
<i>For Factory Installed Accessory, Deduct</i>	-562.26	
26 29 13 13-0200 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHA2).....	22,905.94	421.70
<i>For Factory Installed Accessory, Deduct</i>	-843.39	
26 29 13 13-0201 NEMA 3R, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0202 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH1).....	585.39	77.31
<i>For Factory Installed Accessory, Deduct</i>	-154.62	
26 29 13 13-0203 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH2).....	633.15	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0204 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH1).....	647.31	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0205 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH3).....	695.76	91.37
<i>For Factory Installed Accessory, Deduct</i>	-182.74	
26 29 13 13-0206 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH2).....	767.22	91.37
<i>For Factory Installed Accessory, Deduct</i>	-182.74	
26 29 13 13-0207 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH6).....	1,098.98	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0208 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH1).....	1,203.18	105.42
<i>For Factory Installed Accessory, Deduct</i>	-210.85	
26 29 13 13-0209 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEH1).....	1,830.30	140.57
<i>For Factory Installed Accessory, Deduct</i>	-281.13	
26 29 13 13-0210 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFH1).....	4,179.35	210.85
<i>For Factory Installed Accessory, Deduct</i>	-421.70	
26 29 13 13-0211 NEMA 3R/4/4X/7/9, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
Note: Bolted cast aluminum enclosure.		
26 29 13 13-0212 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT4).....	1,688.36	119.48
<i>For Factory Installed Accessory, Deduct</i>	-238.96	
26 29 13 13-0213 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR1).....	2,080.71	119.48
<i>For Factory Installed Accessory, Deduct</i>	-238.96	
26 29 13 13-0214 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR3).....	2,143.31	126.51
<i>For Factory Installed Accessory, Deduct</i>	-253.02	
26 29 13 13-0215 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDR1).....	3,332.96	140.57
<i>For Factory Installed Accessory, Deduct</i>	-281.13	
26 29 13 13-0216 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SET43).....	4,018.05	175.71
<i>For Factory Installed Accessory, Deduct</i>	-351.41	
26 29 13 13-0217 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFT41).....	6,409.57	245.99
<i>For Factory Installed Accessory, Deduct</i>	-491.98	
26 29 13 13-0218 NEMA 4/4X, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0219 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW11).....	805.84	77.31
<i>For Factory Installed Accessory, Deduct</i>	-154.62	
26 29 13 13-0220 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW12).....	854.27	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0221 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW11).....	877.86	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0222 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW13).....	926.32	91.37
<i>For Factory Installed Accessory, Deduct</i>	-182.74	
26 29 13 13-0223 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW12).....	997.77	91.37
<i>For Factory Installed Accessory, Deduct</i>	-182.74	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0224	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW16).....	1,578.29	84.34
			<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0225	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW11)	2,559.72	140.57
			<i>For Factory Installed Accessory, Deduct</i>	-281.13	
26 29 13 13-0226	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW11).....	5,024.05	210.85
			<i>For Factory Installed Accessory, Deduct</i>	-421.70	
26 29 13 13-0227	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGW11)	11,210.29	281.13
			<i>For Factory Installed Accessory, Deduct</i>	-562.26	
26 29 13 13-0228			NEMA 4X, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
			Note: Glass polyester enclosure.		
26 29 13 13-0229	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW21)	1,684.52	105.42
			<i>For Factory Installed Accessory, Deduct</i>	-210.85	
26 29 13 13-0230	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW21)	3,130.04	140.57
			<i>For Factory Installed Accessory, Deduct</i>	-281.13	
26 29 13 13-0231	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW21).....	6,175.48	210.85
			<i>For Factory Installed Accessory, Deduct</i>	-421.70	
26 29 13 13-0232			NEMA 7/9, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
			Note: Bolted cast iron enclosure.		
26 29 13 13-0233	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT1).....	1,634.52	112.46
			<i>For Factory Installed Accessory, Deduct</i>	-224.90	
26 29 13 13-0234	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT2)	1,688.36	119.48
			<i>For Factory Installed Accessory, Deduct</i>	-238.96	
26 29 13 13-0235	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT1).....	1,712.63	119.48
			<i>For Factory Installed Accessory, Deduct</i>	-238.96	
26 29 13 13-0236	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT3)	1,763.77	126.51
			<i>For Factory Installed Accessory, Deduct</i>	-253.02	
26 29 13 13-0237	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT2).....	1,846.01	126.51
			<i>For Factory Installed Accessory, Deduct</i>	-253.02	
26 29 13 13-0238	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDT1)	2,723.54	140.57
			<i>For Factory Installed Accessory, Deduct</i>	-281.13	
26 29 13 13-0239			Reversing, Magnetic Starters (26 29 13 13-0083)		
26 29 13 13-0240			Open Enclosure, Reversing, Magnetic Starters (26 29 13 13-0239)		
26 29 13 13-0241	EA		Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13)	764.52	91.37
			<i>For Factory Installed Accessory, Deduct</i>	-182.74	
26 29 13 13-0242	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16)	806.99	91.37
			<i>For Factory Installed Accessory, Deduct</i>	-182.74	
26 29 13 13-0243	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1)	893.85	98.39
			<i>For Factory Installed Accessory, Deduct</i>	-196.79	
26 29 13 13-0244	EA		Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2)	926.79	105.42
			<i>For Factory Installed Accessory, Deduct</i>	-210.85	
26 29 13 13-0245	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10)	950.38	105.42
			<i>For Factory Installed Accessory, Deduct</i>	-210.85	
26 29 13 13-0246	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2)	1,017.01	112.46
			<i>For Factory Installed Accessory, Deduct</i>	-224.90	
26 29 13 13-0247	EA		Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3)	1,058.33	122.99
			<i>For Factory Installed Accessory, Deduct</i>	-245.99	
26 29 13 13-0248	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7)	1,082.60	122.99
			<i>For Factory Installed Accessory, Deduct</i>	-245.99	
26 29 13 13-0249	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1)	1,864.68	140.57
			<i>For Factory Installed Accessory, Deduct</i>	-281.13	
26 29 13 13-0250	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1)	3,052.19	210.85
			<i>For Factory Installed Accessory, Deduct</i>	-421.70	
26 29 13 13-0251	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1).....	7,057.08	316.27
			<i>For Factory Installed Accessory, Deduct</i>	-632.54	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0252 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1).....	13,186.20	421.70
<i>For Factory Installed Accessory, Deduct</i>	-843.39	
26 29 13 13-0253 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1).....	42,837.23	773.11
<i>For Factory Installed Accessory, Deduct</i>	-1,546.22	
26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters (26 29 13 13-0239)		
26 29 13 13-0255 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13).....	790.90	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0256 EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15).....	825.19	91.37
<i>For Factory Installed Accessory, Deduct</i>	-182.74	
26 29 13 13-0257 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16).....	849.46	91.37
<i>For Factory Installed Accessory, Deduct</i>	-182.74	
26 29 13 13-0258 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1).....	934.30	98.39
<i>For Factory Installed Accessory, Deduct</i>	-196.79	
26 29 13 13-0259 EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2).....	968.58	105.42
<i>For Factory Installed Accessory, Deduct</i>	-210.85	
26 29 13 13-0260 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4).....	992.85	105.42
<i>For Factory Installed Accessory, Deduct</i>	-210.85	
26 29 13 13-0261 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2).....	1,077.69	112.46
<i>For Factory Installed Accessory, Deduct</i>	-224.90	
26 29 13 13-0262 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6).....	1,119.00	122.99
<i>For Factory Installed Accessory, Deduct</i>	-245.99	
26 29 13 13-0263 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8).....	1,143.27	122.99
<i>For Factory Installed Accessory, Deduct</i>	-245.99	
26 29 13 13-0264 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2).....	2,022.43	140.57
<i>For Factory Installed Accessory, Deduct</i>	-281.13	
26 29 13 13-0265 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2).....	3,325.22	210.85
<i>For Factory Installed Accessory, Deduct</i>	-421.70	
26 29 13 13-0266 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3).....	7,558.64	316.27
<i>For Factory Installed Accessory, Deduct</i>	-632.54	
26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters (26 29 13 13-0239)		
26 29 13 13-0268 EA Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2).....	1,141.16	105.42
<i>For Factory Installed Accessory, Deduct</i>	-210.85	
26 29 13 13-0269 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4).....	1,165.43	105.42
<i>For Factory Installed Accessory, Deduct</i>	-210.85	
26 29 13 13-0270 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4).....	1,315.85	122.99
<i>For Factory Installed Accessory, Deduct</i>	-245.99	
26 29 13 13-0271 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1).....	2,310.96	140.57
<i>For Factory Installed Accessory, Deduct</i>	-281.13	
26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters (26 29 13 13-0239)		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0273 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14).....	1,433.74	105.42
<i>For Factory Installed Accessory, Deduct</i>	-210.85	
26 29 13 13-0274 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11).....	1,692.50	112.46
<i>For Factory Installed Accessory, Deduct</i>	-224.90	
26 29 13 13-0275 Magnetic Contactor/Starters Accessories (26 29 13 13-0083)		
26 29 13 13-0276 EA NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2).....	106.75	8.78
<i>For Factory Installed Accessory, Deduct</i>	-17.57	
26 29 13 13-0277 EA NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3).....	182.85	8.78
<i>For Factory Installed Accessory, Deduct</i>	-17.57	
26 29 13 13-0278 EA NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2).....	106.75	8.78
<i>For Factory Installed Accessory, Deduct</i>	-17.57	
26 29 13 13-0279 EA NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8).....	182.85	8.78
<i>For Factory Installed Accessory, Deduct</i>	-17.57	
26 29 13 13-0280 EA NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R).....	182.85	8.78
<i>For Factory Installed Accessory, Deduct</i>	-17.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0281 EA Internal Nonconvertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11).....	90.16	7.03
<i>For Factory Installed Accessory, Deduct</i>	-14.05	
26 29 13 13-0282 EA External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6)	80.16	7.03
<i>For Factory Installed Accessory, Deduct</i>	-14.05	
26 29 13 13-0283 EA External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8)	106.75	8.78
<i>For Factory Installed Accessory, Deduct</i>	-17.57	
26 29 13 13-0284 EA External Field Non Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13).....	90.16	7.03
<i>For Factory Installed Accessory, Deduct</i>	-14.05	
26 29 13 13-0285 EA External Field Non Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15)	120.58	8.78
<i>For Factory Installed Accessory, Deduct</i>	-17.57	
26 29 13 13-0286 EA 30 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6)	135.51	7.03
<i>For Factory Installed Accessory, Deduct</i>	-14.05	
26 29 13 13-0287 EA 45 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11)	234.68	7.03
<i>For Factory Installed Accessory, Deduct</i>	-14.05	
26 29 13 13-0288 EA 60 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21)	249.29	7.03
<i>For Factory Installed Accessory, Deduct</i>	-14.05	
26 29 13 13-0289 EA 30 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8)	298.17	8.78
<i>For Factory Installed Accessory, Deduct</i>	-17.57	
26 29 13 13-0290 EA 45 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13)	521.87	8.78
<i>For Factory Installed Accessory, Deduct</i>	-17.57	
26 29 13 13-0291 EA 60 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23)	521.87	8.78
<i>For Factory Installed Accessory, Deduct</i>	-17.57	
26 29 13 13-0292 EA Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1).....	30.61	5.27
<i>For Factory Installed Accessory, Deduct</i>	-10.54	
26 29 13 13-0293 EA 1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3).....	63.25	7.03
<i>For Factory Installed Accessory, Deduct</i>	-14.05	
26 29 13 13-0294 EA 2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4).....	83.68	8.78
<i>For Factory Installed Accessory, Deduct</i>	-17.57	
26 29 13 13-0295 EA Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1).....	65.23	8.78
<i>For Factory Installed Accessory, Deduct</i>	-17.57	
26 29 13 13-0296 EA Terminal Block, Contactor/Starter Accessory (Square D 9999T7).....	36.15	5.27
<i>For Factory Installed Accessory, Deduct</i>	-10.54	
26 29 13 13-0297 EA Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1)	21.54	5.27
<i>For Factory Installed Accessory, Deduct</i>	-10.54	
26 29 13 13-0298 EA 1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39)	117.83	7.03
<i>For Factory Installed Accessory, Deduct</i>	-14.05	
26 29 13 13-0299 EA 2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40)	204.38	8.78
<i>For Factory Installed Accessory, Deduct</i>	-17.57	
26 29 13 13-0300 Definite Purpose Starters (26 29 13 13)		
26 29 13 13-0301 Open Enclosure, Definite Purpose Starter (26 29 13 13-0300)		
26 29 13 13-0302 EA Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13)	368.89	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0303 EA Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22)	368.22	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0304 EA Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23)	398.46	91.37
<i>For Factory Installed Accessory, Deduct</i>	-182.74	
26 29 13 13-0305 EA Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32)	393.16	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0306 EA Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33)	427.45	91.37
<i>For Factory Installed Accessory, Deduct</i>	-182.74	
26 29 13 13-0307 EA Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42)	414.73	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0308 EA Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43)	479.83	105.42
<i>For Factory Installed Accessory, Deduct</i>	-210.85	
26 29 13 13-0309 EA Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52)	535.79	105.42
<i>For Factory Installed Accessory, Deduct</i>	-210.85	
26 29 13 13-0310 EA Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53)	676.09	122.99
<i>For Factory Installed Accessory, Deduct</i>	-245.99	
26 29 13 13-0311 NEMA 1, Definite Purpose Starter (26 29 13 13-0300)		
26 29 13 13-0312 EA NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12)	378.43	77.31
<i>For Factory Installed Accessory, Deduct</i>	-154.62	
26 29 13 13-0313 EA NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13)	408.66	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	
26 29 13 13-0314 EA NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22)	407.32	84.34
<i>For Factory Installed Accessory, Deduct</i>	-168.67	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 29	Low-Voltage Controllers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0315 EA NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23) <i>For Factory Installed Accessory, Deduct</i>	439.59 -182.74	91.37
26 29 13 13-0316 EA NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32) <i>For Factory Installed Accessory, Deduct</i>	432.93 -168.67	84.34
26 29 13 13-0317 EA NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33) <i>For Factory Installed Accessory, Deduct</i>	467.90 -182.74	91.37
26 29 13 13-0318 EA NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42) <i>For Factory Installed Accessory, Deduct</i>	455.85 -168.67	84.34
26 29 13 13-0319 EA NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43) <i>For Factory Installed Accessory, Deduct</i>	520.28 -210.85	105.42
26 29 13 13-0320 EA NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52) <i>For Factory Installed Accessory, Deduct</i>	574.21 -210.85	105.42
26 29 13 13-0321 EA NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53) <i>For Factory Installed Accessory, Deduct</i>	715.19 -245.99	122.99
26 29 13 13-0322 Definite Purpose Starter Accessory <small>(26 29 13 13-0300)</small>		
26 29 13 13-0323 EA Start-Stop Push Button Kit, Definite Purpose Starter Accessory Note: Or Hand-Off-Auto Selector Switch Kit <i>For Factory Installed Accessory, Deduct</i>	120.58 -17.57	8.78
26 29 13 13-0324 Panel Mounted Miniature Contactor <small>(26 29 13 13)</small>		
26 29 13 13-0325 Non Reversing, Panel Mounted Miniature Contactor <small>(26 29 13 13-0324)</small>		
26 29 13 13-0326 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	108.71	35.14
26 29 13 13-0327 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	127.87	38.66
26 29 13 13-0328 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	127.87	38.66
26 29 13 13-0329 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	142.32	42.17
26 29 13 13-0330 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	120.84	35.14
26 29 13 13-0331 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	127.58	35.14
26 29 13 13-0332 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	139.33	38.66
26 29 13 13-0333 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	146.07	38.66
26 29 13 13-0334 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	143.38	38.66
26 29 13 13-0335 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	146.07	38.66
26 29 13 13-0336 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	155.80	42.17
26 29 13 13-0337 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	150.12	38.66
26 29 13 13-0338 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	162.54	42.17
26 29 13 13-0339 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	151.47	38.66
26 29 13 13-0340 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	151.47	38.66
26 29 13 13-0341 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	169.28	42.17
26 29 13 13-0342 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	169.28	42.17



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0343		Reversing, Panel Mounted Miniature Contactor <small>(26 29 13 13-0324)</small>		
26 29 13 13-0344	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	157.92	35.14
26 29 13 13-0345	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	171.40	35.14
26 29 13 13-0346	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	189.89	38.66
26 29 13 13-0347	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	189.89	38.66
26 29 13 13-0348	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	203.37	38.66
26 29 13 13-0349	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	213.10	42.17
26 29 13 13-0350	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	213.10	42.17
26 29 13 13-0351	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	182.86	35.14
26 29 13 13-0352	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	196.34	35.14
26 29 13 13-0353	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	213.49	38.66
26 29 13 13-0354	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	226.97	38.66
26 29 13 13-0355	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	240.74	42.17
26 29 13 13-0356	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	254.22	42.17
26 29 13 13-0357	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	206.07	38.66
26 29 13 13-0358	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	237.76	38.66
26 29 13 13-0359	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	269.05	42.17
26 29 13 13-0360		Panel Mounted Miniature Contactor Accessories <small>(26 29 13 13-0324)</small>		
26 29 13 13-0361	EA	2 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02)	45.73	17.57
26 29 13 13-0362	EA	4 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40)	50.93	17.57
26 29 13 13-0363	EA	Electronic Time Delay Contact, 2 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U).....	60.36	17.57
26 29 13 13-0364	EA	Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301)	79.10	17.57
26 29 13 13-0365		Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole <small>(26 29 13 13)</small>		
26 29 13 13-0366		NEMA 1 Enclosure <small>(26 29 13 13-0365)</small>		
26 29 13 13-0367	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	5,640.40	336.70
		<i>For NEMA 4, Add</i>	619.09	
26 29 13 13-0368	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	9,945.76	448.93
		<i>For NEMA 4, Add</i>	1,130.81	
26 29 13 13-0369	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	17,573.97	533.11
		<i>For NEMA 4, Add</i>	2,063.90	
26 29 13 13-0370	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	43,268.55	652.35
		<i>For NEMA 4, Add</i>	5,246.20	
26 29 13 13-0371	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	69,160.39	834.73
		<i>For NEMA 4, Add</i>	8,436.28	
26 29 13 13-0372		NEMA 12 Enclosure <small>(26 29 13 13-0365)</small>		
26 29 13 13-0373	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	5,599.15	343.85
26 29 13 13-0374	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	9,870.41	449.63
26 29 13 13-0375	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	17,436.44	531.43
26 29 13 13-0376	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	42,918.97	649.48
26 29 13 13-0377	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	68,598.23	835.08
26 29 13 13-0378		Factory Modifications Pilot Devices <small>(26 29 13 13-0365)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0379 EA Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	145.86	
26 29 13 13-0380 EA H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	160.87	
26 29 13 13-0381 EA Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	273.82	
26 29 13 13-0382 EA Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	148.78	
26 29 13 13-0383 EA Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	213.93	
26 29 13 13-0384 EA Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	106.96	
26 29 13 13-0385 EA Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	349.12	
26 29 13 13-0386 Factory Modifications Meters (26 29 13 13-0385)		
26 29 13 13-0387 EA Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,403.35	
26 29 13 13-0388 EA Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,355.45	
26 29 13 13-0389 EA Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	479.19	
26 29 13 13-0390 EA Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	397.06	
26 29 13 13-0391 Factory Modifications Main Circuit Breakers (26 29 13 13-0365)		
26 29 13 13-0392 EA Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker	1,854.73	
26 29 13 13-0393 EA Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker	3,392.08	
26 29 13 13-0394 EA Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker	7,215.29	
26 29 13 13-0395 Factory Modifications Addition (26 29 13 13-0365)		
Note: For reversing service auto transformer type.		
26 29 13 13-0396 EA Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0397 EA Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0398 EA Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0399 EA Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0400 Combination Starters Non-Reversing (26 29 13 13)		
26 29 13 13-0401 240-600 Volts, 3-Pole (26 29 13 13-0400)		
26 29 13 13-0402 NEMA 1 With Disconnect Switch (26 29 13 13-0401)		
26 29 13 13-0403 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,139.38	161.34
For Electronic Overloads, Add	154.78	
26 29 13 13-0404 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,367.69	252.53
For Electronic Overloads, Add	163.28	
26 29 13 13-0405 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,945.26	294.61
For Electronic Overloads, Add	258.53	
26 29 13 13-0406 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,995.54	364.75
For Electronic Overloads, Add	430.32	
26 29 13 13-0407 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,537.68	582.21
For Electronic Overloads, Add	830.03	
26 29 13 13-0408 EA Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	11,269.80	729.51
For Electronic Overloads, Add	1,863.60	
26 29 13 13-0409 NEMA 1 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0410 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,461.66	161.34
For Electronic Overloads, Add	216.01	
26 29 13 13-0411 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,689.97	252.53
For Electronic Overloads, Add	224.52	
26 29 13 13-0412 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,258.58	294.61
For Electronic Overloads, Add	318.07	
26 29 13 13-0413 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,165.63	364.75
For Electronic Overloads, Add	462.64	
26 29 13 13-0414 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	6,513.45	582.21
For Electronic Overloads, Add	1,015.43	
26 29 13 13-0415 EA Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	13,856.94	729.51
For Electronic Overloads, Add	2,355.16	
26 29 13 13-0416 Factory Modifications For NEMA 1 Enclosure (26 29 13 13-0401)		
26 29 13 13-0417 EA Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	146.76	
26 29 13 13-0418 EA H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	344.71	
26 29 13 13-0419 EA Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	237.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0420 NEMA 4 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
26 29 13 13-0421 EA Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,107.02 318.07	210.44
26 29 13 13-0422 EA Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,303.34 326.57	294.61
26 29 13 13-0423 EA Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	3,335.11 510.27	322.67
26 29 13 13-0424 EA Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	5,353.88 869.15	392.82
26 29 13 13-0425 EA Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	8,491.85 1,391.32	582.21
26 29 13 13-0426 EA Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	18,807.41 3,295.75	729.51
26 29 13 13-0427 NEMA 4 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0428 EA Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,429.29 379.30	210.44
26 29 13 13-0429 EA Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,625.61 387.80	294.61
26 29 13 13-0430 EA Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	3,648.43 569.80	322.67
26 29 13 13-0431 EA Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	5,523.97 901.47	392.82
26 29 13 13-0432 EA Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	9,467.62 1,576.72	582.21
26 29 13 13-0433 EA Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	17,795.83 3,103.55	729.51
26 29 13 13-0434 Factory Modifications For NEMA 4 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0435 EA Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	146.78	
26 29 13 13-0436 EA H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	344.71	
26 29 13 13-0437 EA Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	237.91	
26 29 13 13-0438 NEMA 12 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
26 29 13 13-0439 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,180.12 162.52	162.39
26 29 13 13-0440 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,410.66 171.45	254.14
26 29 13 13-0441 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,013.29 271.46	292.29
26 29 13 13-0442 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	3,108.78 451.84	365.32
26 29 13 13-0443 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	5,756.11 871.53	584.60
26 29 13 13-0444 EA Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	11,760.21 1,956.78	730.63
26 29 13 13-0445 NEMA 12 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0446 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,564.93 235.63	162.39
26 29 13 13-0447 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,797.31 244.91	254.14
26 29 13 13-0448 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,410.65 346.96	292.29
26 29 13 13-0449 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	3,386.82 504.67	365.32
26 29 13 13-0450 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	6,998.92 1,107.67	584.60
26 29 13 13-0451 EA Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	14,982.92 2,569.10	730.63
26 29 13 13-0452 Factory Modifications For NEMA 12 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0453 EA Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	145.56	
26 29 13 13-0454 EA H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	341.84	
26 29 13 13-0455 EA Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	235.92	
26 29 13 13-0456 NEMA 7 Or 9 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0457 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,779.85	336.70
26 29 13 13-0458 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,766.90	448.93
26 29 13 13-0459 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,081.79	617.28
26 29 13 13-0460 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	6,073.14	841.75
26 29 13 13-0461 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	9,160.46	1,178.45
26 29 13 13-0462 Factory Modifications For NEMA 7 Or 9 Enclosure <small>(26 29 13 13-0401)</small>		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 29	Low-Voltage Controllers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0463 EA Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	872.80	
26 29 13 13-0464 EA H-0-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	872.80	
26 29 13 13-0465 EA Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	872.80	
26 29 13 13-0466 Combination Starters Reversing (26 29 13 13)		
26 29 13 13-0467 240-600 Volt, 3 Pole (26 29 13 13-0466)		
26 29 13 13-0468 NEMA 1 With Disconnect Switch (26 29 13 13-0467)		
26 29 13 13-0469 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,403.77	210.44
26 29 13 13-0470 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,620.34	294.61
26 29 13 13-0471 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,380.87	322.67
26 29 13 13-0472 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,648.40	392.82
26 29 13 13-0473 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	7,177.98	582.21
26 29 13 13-0474 NEMA 1 With Circuit Breaker (26 29 13 13-0467)		
26 29 13 13-0475 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,573.81	210.44
26 29 13 13-0476 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,801.85	294.61
26 29 13 13-0477 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,593.36	322.67
26 29 13 13-0478 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,355.87	392.82
26 29 13 13-0479 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	7,752.72	582.21
26 29 13 13-0480 NEMA 12 With Disconnect Switch (26 29 13 13-0467)		
26 29 13 13-0481 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,502.65	216.54
26 29 13 13-0482 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,725.84	292.29
26 29 13 13-0483 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,557.23	324.77
26 29 13 13-0484 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,940.63	389.73
26 29 13 13-0485 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	7,790.02	584.60
26 29 13 13-0486 NEMA 12 With Circuit Breaker (26 29 13 13-0467)		
26 29 13 13-0487 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,690.01	216.54
26 29 13 13-0488 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,925.84	292.29
26 29 13 13-0489 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,791.35	324.77
26 29 13 13-0490 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,618.30	389.73
26 29 13 13-0491 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	8,423.31	584.60
26 29 13 13-0492 NEMA 7 Or 9 With Circuit Breaker (26 29 13 13-0467)		
26 29 13 13-0493 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,365.85	448.93
26 29 13 13-0494 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,606.02	561.16
26 29 13 13-0495 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,195.11	729.51
26 29 13 13-0496 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	8,293.11	953.98
26 29 13 13-0497 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	15,197.97	1,290.67
26 29 13 13-0498 Solid State Motor Controllers (26 29 13 13)		
26 29 13 13-0499 Adjustable Voltage Drives, DC Motors (26 29 13 13-0498)		
26 29 13 13-0500 EA 0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking	1,121.86	126.26
26 29 13 13-0501 EA 0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking.....	1,359.79	126.26
26 29 13 13-0502 Removal And Reinstallation Of Motor Starters (26 29 13 13)		
Note: Includes storage and cleaning.		
26 29 13 13-0503 EA Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect.....	501.03	
26 29 13 13-0504 Auxiliary Devices (26 29 13 13)		
26 29 13 13-0505 EA Auxiliary Contact, Normally Open	325.54	70.15
26 29 13 13-0506 EA Auxiliary Contact, Normally Closed.....	325.54	70.15
26 29 13 13-0507 EA Pilot Light Kit.....	344.24	70.15
26 29 23 Variable-Frequency Motor Controllers (26 29)		
26 29 23 00-0001 208/230 Volt Variable Frequency Drives (26 29 23)		
Note: 1 or 3 phase. Wall mounted. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0002 EA 3/4 HP, 208/230 Volt Variable Frequency Drive	1,361.18	143.40
26 29 23 00-0003 EA 1 HP, 208/230 Volt Variable Frequency Drive	1,532.18	143.40
26 29 23 00-0004 EA 1-1/2 HP, 208/230 Volt Variable Frequency Drive	1,788.18	143.40
26 29 23 00-0005 EA 2 HP, 208/230 Volt Variable Frequency Drive	1,956.18	143.40
26 29 23 00-0006 EA 3 HP, 208/230 Volt Variable Frequency Drive	2,064.18	143.40
26 29 23 00-0007 EA 5 HP, 208/230 Volt Variable Frequency Drive	2,123.60	143.40
26 29 23 00-0008 EA 7.5 HP, 208/230 Volt Variable Frequency Drive	2,368.09	215.53
26 29 23 00-0009 EA 10 HP, 208/230 Volt Variable Frequency Drive	2,882.11	215.53
26 29 23 00-0010 EA 15 HP, 208/230 Volt Variable Frequency Drive	3,494.46	286.72



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0011	EA			20 HP, 208/230 Volt Variable Frequency Drive	4,043.14	286.72
26 29 23 00-0012	EA			25 HP, 208/230 Volt Variable Frequency Drive	5,030.10	358.85
26 29 23 00-0013	EA			30 HP, 208/230 Volt Variable Frequency Drive	6,286.42	358.85
26 29 23 00-0014	EA			40 HP, 208/230 Volt Variable Frequency Drive	7,690.22	421.35
26 29 23 00-0015	EA			50 HP, 208/230 Volt Variable Frequency Drive	8,639.84	503.77
26 29 23 00-0016	EA			60 HP, 208/230 Volt Variable Frequency Drive	9,810.84	503.77
26 29 23 00-0017	EA			75 HP, 208/230 Volt Variable Frequency Drive	11,599.84	503.77

26 29 23 00-0018 460/480 Volt Variable Frequency Drives ^(26 29 23)

Note: 3 Phase. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.

26 29 23 00-0019	EA			3 HP, 480 Volt Variable Frequency Drive	1,862.63	125.90
				Note: Wall mounted.		
26 29 23 00-0020	EA			5 HP, 480 Volt Variable Frequency Drive	1,997.18	143.40
				Note: Wall mounted.		
26 29 23 00-0021	EA			7.5 HP, 480 Volt Variable Frequency Drive	2,115.09	215.53
				Note: Wall mounted.		
26 29 23 00-0022	EA			10 HP, 480 Volt Variable Frequency Drive	2,340.06	215.53
				Note: Wall mounted.		
26 29 23 00-0023	EA			15 HP, 480 Volt Variable Frequency Drive	2,963.46	286.72
				Note: Wall mounted.		
26 29 23 00-0024	EA			20 HP, 480 Volt Variable Frequency Drive	3,466.36	286.73
				Note: Wall mounted.		
26 29 23 00-0025	EA			25 HP, 480 Volt Variable Frequency Drive	4,352.10	358.86
				Note: Wall mounted.		
26 29 23 00-0026	EA			30 HP, 480 Volt Variable Frequency Drive	4,972.42	358.85
				Note: Wall mounted.		
26 29 23 00-0027	EA			40 HP, 480 Volt Variable Frequency Drive	5,981.22	421.35
				Note: Wall mounted.		
26 29 23 00-0028	EA			50 HP, 480 Volt Variable Frequency Drive	7,082.84	503.77
				Note: Wall mounted.		
26 29 23 00-0029	EA			60 HP, 480 Volt Variable Frequency Drive	8,243.78	538.62
				Note: Wall mounted.		
26 29 23 00-0030	EA			75 HP, 480 Volt Variable Frequency Drive	9,343.71	573.48
				Note: Wall mounted.		
26 29 23 00-0031	EA			100 HP, 480 Volt Variable Frequency Drive	11,193.39	608.16
				Note: Wall mounted.		
26 29 23 00-0032	EA			125 HP, 480 Volt Variable Frequency Drive	13,303.12	642.32
				Note: Wall mounted.		
26 29 23 00-0033	EA			150 HP, 480 Volt Variable Frequency Drive	15,314.20	717.67
				Note: Floor mounted.		
26 29 23 00-0034	EA			200 HP, 480 Volt Variable Frequency Drive	20,650.49	786.84
				Note: Floor mounted.		
26 29 23 00-0035	EA			250 HP, 480 Volt Variable Frequency Drive	26,628.82	856.41
				Note: Floor mounted.		
26 29 23 00-0036	EA			300 HP, 480 Volt Variable Frequency Drive	31,357.24	1,003.62
				Note: Floor mounted.		
26 29 23 00-0037	EA			350 HP, 480 Volt Variable Frequency Drive	36,426.84	1,136.85
				Note: Floor mounted.		
26 29 23 00-0038	EA			400 HP, 480 Volt Variable Frequency Drive	42,661.24	1,284.65
				Note: Floor mounted.		
26 29 23 00-0039	EA			450 HP, 480 Volt Variable Frequency Drive	46,029.57	1,443.39
				Note: Floor mounted.		

26 30 Facility Electrical Power Generating And Storing Equipment

26 31 Photovoltaic Collectors ^(26 31)

26 31 00 00-0001				Photovoltaic Collectors ^(26 31)		
				Note: All materials are to be installed per manufacturers specifications and must be in compliance with the California Energy Commission Guidelines (CEC-300-2011-005-CMF). See CSI section 26 28 13 00-0066 for fuses.		
26 31 00 00-0002				Rigid Photovoltaic Modules ^(26 31)		
26 31 00 00-0003				Sanyo Rigid Photovoltaic Modules ^(26 31 00 00-0002)		
26 31 00 00-0004	EA			205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6).....	1,112.93	66.64
				For >50, Deduct	-97.97	
26 31 00 00-0005	EA			210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6).....	1,166.04	66.64
				For >50, Deduct	-103.28	
26 31 00 00-0006	EA			215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6).....	1,092.10	66.64
				For >50, Deduct	-95.88	
26 31 00 00-0007				Sharp Rigid Photovoltaic Modules ^(26 31 00 00-0002)		
26 31 00 00-0008	EA			224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1).....	873.81	66.64
				For >50, Deduct	-74.05	
26 31 00 00-0009	EA			230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3).....	992.35	66.64
				For >50, Deduct	-85.91	

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 31 Photovoltaic Collectors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0010 EA 235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1)	1,011.12	66.64
For >50, Deduct	-87.79	
26 31 00 00-0011 EA 240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1)	952.44	66.64
For >50, Deduct	-81.92	
26 31 00 00-0012 BP Solar Rigid Photovoltaic Modules (26 31 00 00-0002)		
Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.		
26 31 00 00-0013 EA 50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J).....	437.17	66.64
For >50, Deduct	-30.39	
26 31 00 00-0014 EA 75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J).....	536.93	66.64
For >50, Deduct	-40.37	
26 31 00 00-0015 EA 80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J).....	576.83	66.64
For >50, Deduct	-44.36	
26 31 00 00-0016 Photovoltaic Inverters (26 31)		
26 31 00 00-0017 Fronius Photovoltaic Inverters (26 31 00 00-0016)		
26 31 00 00-0018 EA 3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1)	2,635.47	70.15
26 31 00 00-0019 EA 5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1)	3,472.19	70.15
26 31 00 00-0020 EA 6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1)	3,664.43	70.15
26 31 00 00-0021 EA 7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1)	4,095.72	70.15
26 31 00 00-0022 EA 10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1)	6,477.98	70.15
26 31 00 00-0023 EA 12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1)	7,528.10	70.15
26 31 00 00-0024 EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta).....	6,146.05	140.29
26 31 00 00-0025 EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3)	7,771.61	140.29
26 31 00 00-0026 EA Inverter Display Stand (Fronius 4,045,894)	236.45	35.07
26 31 00 00-0027 SMA Photovoltaic Inverters (26 31 00 00-0016)		
26 31 00 00-0028 EA 4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22).....	1,941.10	70.15
26 31 00 00-0029 EA 5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22).....	2,327.09	70.15
26 31 00 00-0030 EA 6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22).....	2,686.81	70.15
26 31 00 00-0031 EA 7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22).....	2,961.43	70.15
26 31 00 00-0032 EA 8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12).....	2,868.93	70.15
26 31 00 00-0033 PVPowered Photovoltaic Inverters (26 31 00 00-0016)		
26 31 00 00-0034 EA 120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100)	2,423.09	70.15
26 31 00 00-0035 EA 240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000).....	2,533.62	70.15
26 31 00 00-0036 EA 240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500).....	2,797.95	70.15
26 31 00 00-0037 EA 240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500).....	3,318.41	87.68
26 31 00 00-0038 EA 208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600).....	4,045.54	105.22
26 31 00 00-0039 EA 240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800).....	4,079.19	105.22
26 31 00 00-0040 EA 240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200).....	4,303.14	105.22
26 31 00 00-0041 EA 208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	51,173.54	561.16
26 31 00 00-0042 EA 480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	51,241.13	561.16
26 31 00 00-0043 EA 208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	55,439.01	561.16
26 31 00 00-0044 EA 480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	51,402.43	561.16
26 31 00 00-0045 Solectria Photovoltaic Inverters (26 31 00 00-0016)		
26 31 00 00-0046 EA 208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI)	8,065.03	140.29
26 31 00 00-0047 EA 208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI)	8,065.03	140.29
26 31 00 00-0048 EA 208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI)	8,300.13	140.29
26 31 00 00-0049 EA 480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	8,300.13	140.29
26 31 00 00-0050 EA 208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	25,266.12	420.87
26 31 00 00-0051 EA 480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	24,090.61	420.87
26 31 00 00-0052 EA 208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	27,617.13	420.87
26 31 00 00-0053 EA 480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	26,964.07	420.87
26 31 00 00-0054 EA 208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	29,315.08	420.87
26 31 00 00-0055 EA 480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	28,008.96	420.87
26 31 00 00-0056 EA 208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	30,901.77	561.16
26 31 00 00-0057 EA 480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	29,465.05	561.16
26 31 00 00-0058 EA 208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	32,077.28	561.16
26 31 00 00-0059 EA 480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	30,379.33	561.16
26 31 00 00-0060 Xantrex Photovoltaic Inverters (26 31 00 00-0016)		
26 31 00 00-0061 EA 0.6 KW Photovoltaic Inverter (Xantrex 806-1206).....	339.33	17.54
26 31 00 00-0062 EA 1 KW Photovoltaic Inverter (Xantrex 806-1210).....	369.55	17.54
26 31 00 00-0063 EA 2 KW Photovoltaic Inverter (Xantrex 806-1220).....	591.64	17.54
26 31 00 00-0064 Photovoltaic DC-DC Converters (26 31)		
26 31 00 00-0065 EA 15 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20).....	202.83	26.31
Note: Hazardous locations.		
26 31 00 00-0066 EA 20 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23).....	137.11	26.31
26 31 00 00-0067 EA 60 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60).....	371.83	26.31



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0068		Photovoltaic Combiner Boxes <small>(26 31)</small>		
26 31 00 00-0069		Midnight Solar Photovoltaic Combiner Boxes <small>(26 31 00 00-0068)</small>		
26 31 00 00-0070	EA	3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3).....	251.11	70.15
26 31 00 00-0071	EA	6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6).....	245.02	70.15
26 31 00 00-0072	EA	12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12).....	388.53	105.22
26 31 00 00-0073	EA	6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250).....	390.66	105.22
26 31 00 00-0074	EA	16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16).....	588.08	105.22
26 31 00 00-0075		SMA Photovoltaic Combiner Boxes <small>(26 31 00 00-0068)</small>		
26 31 00 00-0076	EA	6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6).....	538.37	70.15
26 31 00 00-0077	EA	12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12).....	642.09	70.15
26 31 00 00-0078	EA	28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28).....	1,244.53	140.29
26 31 00 00-0079	EA	52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52).....	2,823.70	140.29
26 31 00 00-0080	EA	4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch).....	482.24	70.15
26 31 00 00-0081		Photovoltaic Charge Controller <small>(26 31)</small>		
26 31 00 00-0082	EA	35 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-35).....	162.93	26.31
26 31 00 00-0083	EA	40 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-40).....	215.74	26.31
26 31 00 00-0084	EA	60 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-60).....	250.95	26.31
26 31 00 00-0085	EA	Remote Digital Meter For Xantrex C-35, 40 And 60.....	193.44	26.31
26 31 00 00-0086	EA	MPPT Charge Controller (Xantrex XW SCC).....	659.24	35.07
26 31 00 00-0087		Photovoltaic Batteries <small>(26 31)</small>		
26 31 00 00-0088		Concorde Photovoltaic Batteries <small>(26 31 00 00-0087)</small>		
26 31 00 00-0089	EA	34 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T).....	147.71	10.52
26 31 00 00-0090	EA	45 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T).....	186.37	14.03
26 31 00 00-0091	EA	49 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T).....	201.68	14.03
26 31 00 00-0092	EA	56 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T).....	232.08	21.05
26 31 00 00-0093	EA	69 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T).....	263.75	21.05
26 31 00 00-0094	EA	89 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T).....	312.98	24.55
26 31 00 00-0095	EA	104 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T).....	358.85	28.05
26 31 00 00-0096	EA	108 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T).....	354.83	28.05
26 31 00 00-0097	EA	210 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T).....	647.16	33.32
26 31 00 00-0098	EA	255 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T).....	747.78	35.07
26 31 00 00-0099		Deka Photovoltaic Batteries <small>(26 31 00 00-0087)</small>		
26 31 00 00-0100	EA	31 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8GU1).....	156.02	17.57
26 31 00 00-0101	EA	50 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G22NF).....	213.53	17.57
26 31 00 00-0102	EA	74 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G24).....	313.28	17.57
26 31 00 00-0103	EA	86 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G27).....	357.88	17.57
26 31 00 00-0104	EA	98 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G31).....	359.05	17.57
26 31 00 00-0105	EA	183 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G4D).....	692.36	17.57
26 31 00 00-0106	EA	225 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G8D).....	800.33	17.57
26 31 00 00-0107		Battery Enclosures <small>(26 31 00 00-0087)</small>		
26 31 00 00-0108	EA	14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010).....	175.90	17.54
26 31 00 00-0109	EA	22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC).....	848.44	17.57
26 31 00 00-0110	EA	37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL).....	797.98	17.57
26 31 00 00-0111	EA	37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC).....	1,062.04	17.57
26 31 00 00-0112	EA	15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1).....	475.24	17.57
26 31 00 00-0113	EA	31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP).....	1,112.50	17.57
26 31 00 00-0114		Photovoltaic System Monitoring <small>(26 31)</small>		
26 31 00 00-0115	EA	Solar Inverter Monitor (Xantrex 864-0203).....	370.83	35.07
26 31 00 00-0116	EA	Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox).....	755.95	17.54
26 31 00 00-0117	EA	Sun Radiation And Temperature Monitor (SMA Sunny SensorBox).....	632.17	17.54
26 31 00 00-0118	EA	PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA).....	119.36	17.54
26 31 00 00-0119	EA	Wind Sensor Accessory For Sunny SensorBox (SMA).....	293.46	35.07
26 31 00 00-0120	EA	Sunny Boy Control with RS485 (SMA).....	743.63	17.54
26 31 00 00-0121	EA	RS 485 Module (SMA).....	171.67	17.54
26 31 00 00-0122	EA	RS 232 Module (SMA).....	175.90	17.54
26 31 00 00-0123	EA	Wireless Monitor with Bluetooth (SMA Sunny Beam).....	330.35	
26 31 00 00-0124	EA	Bluetooth Piggy-Back Computer Card (SMA).....	178.19	17.54
26 31 00 00-0125	EA	RS485-N Communication Computer Card (SMA).....	177.00	17.54
26 31 00 00-0126	EA	Bluetooth Repeater (SMA).....	331.36	17.54
26 31 00 00-0127	EA	Sunny Boy PC Service Cable (SMA).....	156.85	5.26
26 31 00 00-0128	EA	Integrated Revenue Grade Meter, Option (PVPowered).....	3,010.28	

26 Electrical

26 30 Facility Electrical Power Generating And Storing Equipment

26 31 Photovoltaic Collectors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0129 EA Data Monitoring Module (PVPowered PVM1010).....	330.67	17.54
26 31 00 00-0130 EA Wireless IG Personal Display (Fronius 4,240,108).....	335.50	
26 31 00 00-0131 EA DatCom Power Supply (Fronius 43,0001,2311).....	108.95	
26 31 00 00-0132 EA Wireless Card For IG Personal Display (Fronius 4,240,008,Z).....	198.17	17.54
26 31 00 00-0133 EA Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z).....	168.13	17.54
26 31 00 00-0134 EA Datalogger Pro Box (Fronius 4,240,102).....	651.54	17.54
26 31 00 00-0135 EA Datalogger Easy Box (Fronius 4,240,103).....	424.86	17.54
26 31 00 00-0136 EA Datalogger Interface Box (Fronius 4,240,105).....	735.19	17.54
26 31 00 00-0137 EA Datalogger Web (Fronius 4,240,122).....	1,261.19	17.54
26 31 00 00-0138 EA Interface Box (Fronius 4,240,109).....	341.03	17.54
26 31 00 00-0139 EA Interface Card (Fronius 4,240,009,Z).....	244.19	17.54
26 31 00 00-0140 EA Interface Card Easy (Fronius 4,240,013,Z).....	162.03	17.54
26 31 00 00-0141 EA Sensor Box (Fronius 4,240,104).....	680.34	17.54
26 31 00 00-0142 EA Ambient Temperature Sensor (Fronius 43,0001,1188).....	78.09	17.54
26 31 00 00-0143 EA Irradiance Sensor (Fronius 43,0001,1188).....	238.22	17.54
26 31 00 00-0144 EA Module Temperature Sensor (Fronius 43,0001,1190).....	264.98	17.54
26 31 00 00-0145 EA Wind Speed Sensor (Fronius 42,0411,0027).....	144.59	35.07
26 31 00 00-0146 Photovoltaic System Accessories (26 31)		
26 31 00 00-0147 EA Four Inverter Bypass Switch (OutBack AC-IOB-100Q).....	505.83	35.07
26 31 00 00-0148 EA Line Communication Filter (Enphase LCF).....	1,101.47	70.15
26 31 00 00-0149 EA 15 Meter RS 485 Communication Cable (SMA).....	84.46	5.26
26 31 00 00-0150 EA 15 Meter RS 232 Communication Cable (SMA).....	126.71	5.26
26 31 00 00-0151 EA 24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	19.68	1.73
26 31 00 00-0152 EA 36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	21.09	1.73
26 31 00 00-0153 EA 48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	21.90	1.73
26 31 00 00-0154 EA 72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	24.11	1.73
26 31 00 00-0155 EA 120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	27.44	1.73
26 31 00 00-0156 EA 240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	43.79	3.47
26 31 00 00-0157 EA 360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	54.12	3.47
26 31 00 00-0158 EA 420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	71.23	5.20
26 31 00 00-0159 EA 36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	24.67	1.73
26 31 00 00-0160 EA 120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	34.10	1.73
26 31 00 00-0161 EA 240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	50.45	3.47
26 31 00 00-0162 EA 360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	67.08	3.47
26 31 00 00-0163 EA 600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	109.22	6.95
26 31 00 00-0164 EA 1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	113.91	6.95
26 31 00 00-0165 EA Lighting Kit, 9W Fluorescent, 12 V 4.5 Amp Hour Battery.....	2,030.79	189.39
Note: Tamper proof enclosure.		
26 31 00 00-0166 Photovoltaic Mounting Systems (26 31)		
26 31 00 00-0167 LF Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard).....	7.16	1.75
26 31 00 00-0168 EA Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229).....	21.22	8.76
26 31 00 00-0169 EA Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216).....	26.45	8.76
26 31 00 00-0170 EA 8" x 3/8" Hanger Bolt (UNIRAC 310046).....	13.76	3.51
Note: Supports mounting rail above tile or metal roof.		
26 31 00 00-0171 EA Mounting Rail Grounding Clip (UNIRAC 980006).....	6.72	2.63
Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.		
26 31 00 00-0172 EA Mounting Rail Grounding Lugs (UNIRAC 980012).....	14.00	3.51
Note: Two grounding lugs for each rail splice and one additional lug for each rail.		
26 31 00 00-0173 EA Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002).....	3.80	1.17
Note: Four for each row of modules you plan to mount.		
26 31 00 00-0174 EA Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008).....	3.97	1.17
Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.		
26 31 00 00-0175 EA Photovoltaic Module Mount L-Feet (UNIRAC 310065).....	9.94	3.51
26 31 00 00-0176 EA 12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121).....	58.57	17.54
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0177 EA 30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122).....	64.48	17.54
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0178 EA 44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123).....	69.25	17.54
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0179 EA 12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107).....	86.13	26.31
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0180 EA 44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108).....	103.87	26.31
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0181 EA 72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109).....	119.97	26.31
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0182 EA 18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111).....	133.24	35.07
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0183 EA 64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112).....	175.63	35.07
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0184 EA 104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	247.51	52.61
26 31 00 00-0185 EA Ballasted Photovoltaic Module Frame (UNIRAC 310351) Note: Excludes ballast.	120.96	
26 31 00 00-0186 EA Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355)..... Note: Excludes ballast.	224.38	
26 31 00 00-0187 EA 3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051).....	46.75	17.54
26 31 00 00-0188 EA 4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052).....	47.29	17.54
26 31 00 00-0189 EA 6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053).....	47.79	17.54
26 31 00 00-0190 EA 7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054).....	49.04	17.54
26 31 00 00-0191 EA 3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553).....	43.45	17.54
26 31 00 00-0192 EA 4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554).....	44.08	17.54
26 31 00 00-0193 EA 6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555).....	45.91	17.54
26 31 00 00-0194 EA 7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556).....	45.39	17.54
26 31 00 00-0195 EA 3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390)	88.43	26.31
26 31 00 00-0196 EA 4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391)	88.81	26.31
26 31 00 00-0197 EA 7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394)	89.92	26.31
26 31 00 00-0198 EA Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370)	88.76	26.31
26 31 00 00-0199 EA Photovoltaic Module Standoff Flashing (UNIRAC 990103).....	17.34	3.51
26 31 00 00-0200 EA Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161).....	11.63	3.51
26 31 00 00-0201 EA 1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100)	21.82	5.26
26 31 00 00-0202 EA 3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100)	22.68	5.26
26 31 00 00-0203 EA Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100)..... Note: Mid or end clamp.	6.28	1.17
26 31 00 00-0204 EA Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024)	28.32	3.51
26 31 00 00-0205 EA Photovoltaic Module Wire Clip (UNIRAC 908002S-0100)	1.53	

26 32 Packaged Generator Assemblies (26 30)

26 32 13 Engine Generators (26 32)

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets (26 32 13)

26 32 13 13-0001 Diesel Generator Sets (26 32 13 13)

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 23 13 23 13-0001 for fuel day tank.

26 32 13 13-0002 EA 25 KW Diesel Generator Set, 3 Phase (Cummins DSKCA).....	16,343.96	616.40
For Weather Resistant Steel Diesel Generator Enclosure, Add	3,112.28	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,765.06	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,924.41	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,326.22	
26 32 13 13-0003 EA 35 KW Diesel Generator Set, 3 Phase (Cummins DSFAA)	20,679.55	758.95
For Weather Resistant Steel Diesel Generator Enclosure, Add	3,112.28	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,765.06	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,924.41	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,326.22	
26 32 13 13-0004 EA 40 KW Diesel Generator Set, 3 Phase (Cummins DSFAB)	21,307.77	832.15
For Weather Resistant Steel Diesel Generator Enclosure, Add	3,112.28	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,765.06	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,924.41	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,326.22	
26 32 13 13-0005 EA 50 KW Diesel Generator Set, 3 Phase (Cummins DSFAE).....	22,889.55	955.42
For Weather Resistant Steel Diesel Generator Enclosure, Add	3,112.28	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,765.06	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,924.41	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,326.22	
26 32 13 13-0006 EA 60 KW Diesel Generator Set, 3 Phase (Cummins DSFAD).....	24,476.22	1,097.97
For Weather Resistant Steel Diesel Generator Enclosure, Add	3,112.28	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,765.06	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,924.41	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,326.22	
26 32 13 13-0007 EA 80 KW Diesel Generator Set, 3 Phase (Cummins DSFAE)	27,307.29	1,286.74
For Weather Resistant Steel Diesel Generator Enclosure, Add	3,112.28	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,765.06	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,924.41	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,326.22	
26 32 13 13-0008 EA 100 KW Diesel Generator Set, 3 Phase (Cummins DSGAA).....	31,907.25	1,494.78
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,720.67	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	14,929.93	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	10,167.15	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,297.35	
26 32 13 13-0009 EA 125 KW Diesel Generator Set, 3 Phase (Cummins DSGAB).....	32,982.52	1,772.15
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,720.67	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	14,929.93	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	10,167.15	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,297.35	

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0010 EA 150 KW Diesel Generator Set, 3 Phase (Cummins DSGAC)	36,375.70	1,953.22
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,720.67	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	14,929.93	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	10,167.15	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,297.35	
26 32 13 13-0011 EA 175 KW Diesel Generator Set, 3 Phase (Cummins DSHAD)	42,186.54	2,180.52
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,720.67	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	14,929.93	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	10,167.15	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,297.35	
26 32 13 13-0012 EA 200 KW Diesel Generator Set, 3 Phase (Cummins DSHAC)	45,107.67	2,388.56
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,720.67	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	14,929.93	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	10,167.15	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,297.35	
26 32 13 13-0013 EA 230 KW Diesel Generator Set, 3 Phase (Cummins DSHAD)	50,617.32	2,523.39
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,720.67	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	14,929.93	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	10,167.15	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,297.35	
26 32 13 13-0014 EA 250 KW Diesel Generator Set, 3 Phase (Cummins DQDAA)	52,900.09	2,627.41
For Weather Resistant Steel Diesel Generator Enclosure, Add	30,614.70	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	45,199.15	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	37,131.03	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	55,250.17	
26 32 13 13-0015 EA 275 KW Diesel Generator Set, 3 Phase (Cummins DQHAA)	57,697.03	2,769.96
For Weather Resistant Steel Diesel Generator Enclosure, Add	30,614.70	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	45,199.15	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	37,131.03	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	55,250.17	
26 32 13 13-0016 EA 300 KW Diesel Generator Set, 3 Phase (Cummins DQHAB)	58,860.49	2,893.24
For Weather Resistant Steel Diesel Generator Enclosure, Add	30,614.70	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	45,199.15	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	37,131.03	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	55,250.17	
26 32 13 13-0017 EA 350 KW Diesel Generator Set, 3 Phase (Cummins DFEG)	66,933.40	3,236.11
For Weather Resistant Steel Diesel Generator Enclosure, Add	30,614.70	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	45,199.15	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	37,131.03	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	55,250.17	
26 32 13 13-0018 EA 400 KW Diesel Generator Set, 3 Phase (Cummins DFEG)	72,396.71	3,544.31
For Weather Resistant Steel Diesel Generator Enclosure, Add	30,614.70	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	45,199.15	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	37,131.03	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	55,250.17	
26 32 13 13-0019 EA 450 KW Diesel Generator Set, 3 Phase (Cummins DFEG)	82,245.98	3,817.84
For Weather Resistant Steel Diesel Generator Enclosure, Add	30,614.70	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	45,199.15	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	37,131.03	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	55,250.17	
26 32 13 13-0020 EA 500 KW Diesel Generator Set, 3 Phase (Cummins DFEG)	86,822.97	4,068.25
For Weather Resistant Steel Diesel Generator Enclosure, Add	30,614.70	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	45,199.15	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	37,131.03	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	55,250.17	
26 32 13 13-0021 EA 600 KW Diesel Generator Set, 3 Phase (Cummins DQCA)	127,063.10	4,480.47
For Weather Resistant Steel Diesel Generator Enclosure, Add	62,540.21	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	100,417.38	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	73,559.48	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	116,984.73	
26 32 13 13-0022 EA 750 KW Diesel Generator Set, 3 Phase (Cummins DQCB)	145,537.92	4,927.36
For Weather Resistant Steel Diesel Generator Enclosure, Add	62,540.21	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	100,417.38	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	73,559.48	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	116,984.73	
26 32 13 13-0023 EA 800 KW Diesel Generator Set, 3 Phase (Cummins DQCC)	151,994.25	5,035.23
For Weather Resistant Steel Diesel Generator Enclosure, Add	62,540.21	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	100,417.38	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	73,559.48	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	116,984.73	
26 32 13 13-0024 EA 900 KW Diesel Generator Set, 3 Phase (Cummins DQFAC)	185,519.55	5,428.19
For Weather Resistant Steel Diesel Generator Enclosure, Add	62,540.21	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	100,417.38	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	73,559.48	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	116,984.73	
26 32 13 13-0025 EA 1,000 KW Diesel Generator Set, 3 Phase (Cummins DQFAD)	206,820.82	5,778.77
For Weather Resistant Steel Diesel Generator Enclosure, Add	62,540.21	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	100,417.38	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	73,559.48	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	116,984.73	

26 32 13 19 Natural Gas-Engine-Driven Generator Sets (26 32 13)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0001 Natural Gas Or Propane Generator Sets <small>(26 32 13 19)</small>		
Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad.		
26 32 13 19-0002 EA 20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA).....	12,984.26	516.24
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,830.67	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,765.06	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	3,065.82	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	5,086.49	
26 32 13 19-0003 EA 25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB).....	14,677.50	616.40
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,830.67	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,765.06	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	3,065.82	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	5,086.49	
26 32 13 19-0004 EA 29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC).....	15,705.48	685.74
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,830.67	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,765.06	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	3,065.82	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	5,086.49	
26 32 13 19-0005 EA 35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA).....	17,110.54	758.95
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,830.67	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,765.06	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	8,671.98	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	14,555.41	
26 32 13 19-0006 EA 40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB).....	17,606.30	832.15
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,830.67	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,765.06	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	8,671.98	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	14,555.41	
26 32 13 19-0007 EA 45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC).....	18,149.68	897.64
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,830.67	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,765.06	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	8,671.98	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	14,555.41	
26 32 13 19-0008 EA 60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE).....	19,691.96	1,097.97
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,830.67	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,765.06	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	8,671.98	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	14,555.41	
26 32 13 19-0009 EA 70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF).....	20,932.93	1,228.95
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,830.67	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,765.06	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	8,671.98	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	14,555.41	
26 32 13 19-0010 EA 85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG).....	25,169.15	1,313.70
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	5,159.06	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	14,929.93	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	10,167.15	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	14,555.41	
26 32 13 19-0011 EA 100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH).....	27,305.50	1,479.36
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	5,159.06	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	14,929.93	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	10,167.15	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	14,555.41	
26 32 13 19-0012 EA 125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA).....	34,267.41	1,772.15
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	5,159.06	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	14,929.93	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	10,167.15	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	14,555.41	
26 32 13 19-0013 EA 150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB).....	39,085.61	1,953.22
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	5,159.06	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	14,929.93	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	10,167.15	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	14,555.41	
26 32 13 19-0014 EA 175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA).....	95,855.77	5,195.42
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	27,531.46	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	40,635.25	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	30,102.27	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	45,171.56	
26 32 13 19-0015 EA 205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB).....	102,127.99	2,346.18
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	27,531.46	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	40,635.25	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	30,102.27	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	45,171.56	
26 32 13 19-0016 EA 250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC).....	103,304.20	2,627.41
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	27,531.46	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	40,635.25	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	30,102.27	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	45,171.56	
26 32 13 19-0017 EA 300 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA).....	142,438.83	2,893.24
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	27,531.46	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	40,635.25	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	30,102.27	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	45,171.56	

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0018 EA 350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB)	143,737.74	3,236.11
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	27,531.46	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	40,635.25	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	30,102.27	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	45,171.56	
26 32 13 19-0019 EA 450 KW Natural Gas Generator Set, 3 Phase (Cummins GFJA)	202,475.42	3,817.84
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	60,116.00	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	85,163.74	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	68,281.37	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	96,505.26	
26 32 13 19-0020 EA 500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB)	276,033.19	4,068.25
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	60,116.00	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	85,163.74	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	68,281.37	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	96,505.26	
26 32 13 19-0021 EA 550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC)	290,470.67	4,287.85
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	60,116.00	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	85,163.74	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	68,281.37	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	96,505.26	
26 32 13 19-0022 EA 600 KW Natural Gas Generator Set, 3 Phase (Cummins GFJA)	331,150.90	4,480.47
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	60,116.00	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	85,163.74	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	68,281.37	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	96,505.26	
26 32 13 19-0023 EA 650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB)	346,288.61	4,649.98
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	60,116.00	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	85,163.74	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	68,281.37	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	96,505.26	
26 32 13 19-0024 EA 725 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC)	366,260.54	4,969.74
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	60,116.00	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	85,163.74	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	68,281.37	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	96,505.26	
26 32 13 19-0025 Small Natural Gas Or Propane Air Cooled Generator Sets (26 32 13 19)		
26 32 13 19-0026 EA 7.5 KW Natural Gas Or Propane Air Cooled Generator Set	3,123.01	326.71
Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.		
26 32 13 19-0027 EA 10 KW Natural Gas Or Propane Air Cooled Generator Set	3,948.61	363.01
Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.		
26 32 13 19-0028 EA 14 KW Natural Gas Or Propane Air Cooled Generator Set	4,410.87	325.60
Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.		
26 32 13 26 AC To DC Electrical Conversion (26 32 13)		
26 32 13 26-0001 60 Hz AC Input 230 Or 460 Volts, 125 Volt DC Output (26 32 13 26)		
26 32 13 26-0002 EA 3 KW, 24 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	4,950.89	140.29
26 32 13 26-0003 EA 5 KW, 40 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	6,025.18	140.29
26 32 13 26-0004 EA 7.5 KW, 60 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	7,973.74	140.29
26 32 13 26-0005 EA 10 KW, 80 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,036.27	140.29
26 32 13 26-0006 EA 15 KW, 120 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,924.14	175.36
26 32 13 26-0007 EA 20 KW, 160 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,662.28	175.36
26 32 13 26-0008 EA 25 KW, 200 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,116.19	175.36
26 32 13 26-0009 EA 40 KW, 320 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,322.36	231.48
26 32 13 26-0010 EA 50 KW, 400 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,690.80	231.48
26 32 13 26-0011 60 Hz AC Input, 230 Or 460 Volts, 250 Volts DC Output (26 32 13 26)		
26 32 13 26-0012 EA 3 KW, 12 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	5,728.62	140.29
26 32 13 26-0013 EA 5 KW, 20 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	6,826.47	140.29
26 32 13 26-0014 EA 7.5 KW, 30 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	7,804.53	140.29
26 32 13 26-0015 EA 10 KW, 40 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,020.41	140.29
26 32 13 26-0016 EA 15 KW, 60 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,087.46	175.36
26 32 13 26-0017 EA 20 KW, 80 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,991.04	175.36
26 32 13 26-0018 EA 25 KW, 100 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,319.81	175.36
26 32 13 26-0019 EA 40 KW, 160 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,273.58	231.48
26 32 13 26-0020 EA 50 KW, 200 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,018.08	231.48
26 32 29 Rotary Converters (26 32)		
26 32 29 00-0001 460 Volt 3 Phase AC Motor Drive 250 Volt DC (26 32 29)		
26 32 29 00-0002 EA 33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	14,827.97	2,696.76
26 32 29 00-0003 EA 40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	16,482.72	2,696.76
26 32 29 00-0004 EA 50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	18,766.68	3,852.51
26 32 29 00-0005 EA 65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	21,850.57	3,852.51
26 32 29 00-0006 EA 85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	24,761.24	3,852.51
26 32 29 00-0007 EA 100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	29,130.58	5,778.77
26 32 29 00-0008 EA 125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	35,376.36	5,778.77



Electrical	26	26
Facility Electrical Power Generating And Storing Equipment	26 30	
Battery Equipment	26 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 33 Battery Equipment (26 30)

26 33 13 Batteries (26 33)

26 33 13 00-0001 Standby Batteries (26 33 13)

26 33 13 00-0002	EA	12 Volt, 100 Amp Hours To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery.....	606.39	
26 33 13 00-0003	EA	12 Volt, 100 Amp Hours To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket.....	654.80	17.57
26 33 13 00-0004	EA	725CCA, Group 31, 12 Volt Lead Calcium Standby Battery.....	193.85	17.57
26 33 13 00-0005	EA	810CCA, Group 24, 12 Volt Lead Calcium Standby Battery.....	176.40	17.57
26 33 13 00-0006	EA	1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery.....	300.86	17.57
26 33 13 00-0007	EA	1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery.....	349.10	17.57

26 33 43 Battery Chargers (26 33)

26 33 43 00-0001 Solid State Chargers, Single Phase (26 33 43)

Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.

26 33 43 00-0002	EA	Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	1,794.34	400.81
26 33 43 00-0003	EA	Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,088.54	400.81
26 33 43 00-0004	EA	Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,298.10	400.81
26 33 43 00-0005	EA	Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,434.57	474.55

26 33 53 Static Uninterruptible Power Supply (26 33)

26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53)

26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53 00-0001)

26 33 53 00-0003 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0004	EA	0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120).....	732.73	69.44
		Note: Includes 12 minutes of battery backup at full load.		
26 33 53 00-0005	EA	0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120).....	876.04	81.01
		Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0006	EA	1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120).....	1,082.79	92.59
		Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0007	EA	1.5 kVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120).....	1,326.41	104.17
		Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0008	EA	2 kVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120).....	1,709.43	115.74
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0009	EA	3 kVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120).....	2,842.84	162.04
		Note: Includes 4 minutes of battery backup at full load.		

26 33 53 00-0010 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0011	EA	3 kVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208).....	2,790.74	162.04
		Note: Includes 4 minutes of battery backup at full load.		

26 33 53 00-0012 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)

Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0013	EA	5 kVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208).....	4,208.76	185.18
		Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0014	EA	6 kVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208).....	4,600.21	208.33
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0015	EA	8 kVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208).....	6,902.07	254.62
		Note: Includes 7 minutes of battery backup at full load.		
26 33 53 00-0016	EA	10 kVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208).....	7,940.15	277.77
		Note: Includes 4-1/2 minutes of battery backup at full load.		

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 33 Battery Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0017	230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small>	
Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018 EA	0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230).....	876.04 81.01
Note: Includes 11 minutes of battery backup at full load.		
26 33 53 00-0019 EA	1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230).....	1,082.79 92.59
Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0020 EA	1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230).....	1,341.80 104.17
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0021 EA	2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230).....	1,713.14 115.74
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0022 EA	3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230).....	2,854.41 162.04
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0023 EA	5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230).....	4,034.77 185.18
Note: Includes 9 minutes of battery backup at full load.		
26 33 53 00-0024 EA	6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230).....	4,961.95 208.33
Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0025 EA	10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230).....	7,691.43 277.77
Note: Includes 3 minutes of battery backup at full load.		
26 33 53 00-0026	Optional Accessories For Single Phase, Uninterruptible Power Supply Systems <small>(26 33 53 00-0001)</small>	
26 33 53 00-0027 EA	External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT).....	499.26 21.05
Note: Rack mount or tower configuration.		
26 33 53 00-0028 EA	External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT).....	655.77 21.05
Note: Rack mount or tower configuration.		
26 33 53 00-0029 EA	External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT).....	638.35 21.05
Note: Rack mount or tower configuration.		
26 33 53 00-0030 EA	External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT).....	431.84 21.05
Note: Rack mount or tower configuration.		
26 33 53 00-0031 EA	Replacement Internal Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT).....	618.26 69.44
26 33 53 00-0032 EA	Replacement Internal Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT).....	688.40 92.59
26 33 53 00-0033	Three Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53)</small>	
26 33 53 00-0034	Three Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53 00-0033)</small>	
26 33 53 00-0035	480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0034)</small>	
Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0036 EA	30 kVA, 24 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA030A0A6E).....	20,420.95 601.85
For 208/208 Volt AC, Add		
For MBC 2-Breaker, Add		
For 34 Minute Battery, Add		
26 33 53 00-0037 EA	40 kVA, 32 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA040A0A6E).....	24,326.71 740.74
For 208/208 Volt AC, Add		
For MBC 2-Breaker, Add		
For 23 Minute Battery, Add		
For 37 Minute Battery, Add		
26 33 53 00-0038 EA	50 kVA, 40 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA050A0A6E).....	26,800.77 925.92
For 208/208 Volt AC, Add		
For MBC 2-Breaker, Add		
For 18 Minute Battery, Add		
For 28 Minute Battery, Add		
For 35 Minute Battery, Add		
26 33 53 00-0039 EA	65 kVA, 52 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA065A0A6E).....	30,432.32 1,157.40
For 208/208 Volt AC, Add		
For MBC 2-Breaker, Add		
For 12 Minute Battery, Add		
For 19 Minute Battery, Add		
For 25 Minute Battery, Add		
For 30 Minute Battery, Add		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0040 EA 80 kVA, 64 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA080A0A6E).....	32,363.59	1,388.88
<i>For 208/208 Volt AC, Add</i>	1,161.62	
<i>For MBC 3-Breaker, Add</i>	5,573.39	
<i>For 15 Minute Battery, Add</i>	12,939.31	
<i>For 19 Minute Battery, Add</i>	14,826.18	
<i>For 33 Minute Battery, Add</i>	24,248.10	
26 33 53 00-0041 EA 100 kVA, 80 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA100A0A6E).....	34,941.99	1,620.36
<i>For 208/208 Volt AC, Add</i>	1,298.62	
<i>For MBC 3-Breaker, Add</i>	6,009.58	
<i>For 11 Minute Battery, Add</i>	13,711.92	
<i>For 17 Minute Battery, Add</i>	20,656.79	
<i>For 25 Minute Battery, Add</i>	25,072.74	
<i>For 35 Minute Battery, Add</i>	28,172.72	
26 33 53 00-0042 EA 130 kVA, 104 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA130A0A6E).....	38,103.69	1,851.84
<i>For 208/208 Volt AC, Add</i>	1,366.18	
<i>For MBC 3-Breaker, Add</i>	6,532.17	
<i>For 11 Minute Battery, Add</i>	19,096.88	
<i>For 17 Minute Battery, Add</i>	22,953.81	
<i>For 25 Minute Battery, Add</i>	30,634.56	
<i>For 30 Minute Battery, Add</i>	37,071.41	
26 33 53 00-0043 EA 225 kVA, 180 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA229AAAK).....	48,403.12	2,083.32
<i>For Customer Alarm Interface, Add</i>	393.61	
<i>For Alarm Status Contacts, Add</i>	474.19	
<i>For Maintenance Bypass Interface, Add</i>	554.77	
<i>For Communication Interface, Add</i>	619.86	
<i>For Flush Mount Remote Status Panel, Add</i>	781.03	
<i>For SNMP, Add</i>	976.29	
<i>For Load Bus Sync Board, Add</i>	1,456.68	
<i>For Input Filter with Disconnect, Add</i>	1,907.94	
<i>For Isolation Transformer, Add</i>	6,260.63	
<i>For Two Breaker Matching Maintenance Bypass Cabinet, Add</i>	6,972.86	
<i>For Load Bus Sync Control Panel With Start Up, Add</i>	7,000.13	
<i>For Three Breaker Matching Maintenance Bypass Cabinet, Add</i>	7,530.73	
<i>For VRLA 12 Minute Battery, Add</i>	32,794.07	
<i>For VRLA 14 Minute Battery, Add</i>	35,339.24	
<i>For VRLA 22 Minute Battery, Add</i>	44,350.34	
<i>For VRLA 37 Minute Battery, Add</i>	66,083.60	
26 33 53 00-0044 EA 300 kVA, 240 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA300AAAA).....	62,349.23	2,314.80
<i>For Customer Alarm Interface, Add</i>	393.61	
<i>For Alarm Status Contacts, Add</i>	474.19	
<i>For Maintenance Bypass Interface, Add</i>	554.77	
<i>For Communication Interface, Add</i>	619.86	
<i>For Flush Mount Remote Status Panel, Add</i>	781.03	
<i>For SNMP, Add</i>	976.29	
<i>For Load Bus Sync Board, Add</i>	1,456.68	
<i>For Input Filter with Disconnect, Add</i>	2,083.36	
<i>For Load Bus Sync Control Panel With Start Up, Add</i>	7,000.13	
<i>For Isolation Transformer, Add</i>	7,351.60	
<i>For Two Breaker Matching Maintenance Bypass Cabinet, Add</i>	8,410.94	
<i>For Three Breaker Matching Maintenance Bypass Cabinet, Add</i>	9,628.97	
<i>For VRLA 14 Minute Battery, Add</i>	44,392.43	
<i>For VRLA 17 Minute Battery, Add</i>	52,738.79	
<i>For VRLA 26 Minute Battery, Add</i>	66,132.71	
26 33 53 00-0045 EA 500 kVA, 400 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA500AAAA).....	98,500.85	2,777.76
<i>For Customer Alarm Interface, Add</i>	501.09	
<i>For Alarm Status Contacts, Add</i>	603.67	
<i>For Maintenance Bypass Interface, Add</i>	706.25	
<i>For Communication Interface, Add</i>	789.11	
<i>For Flush Mount Remote Status Panel, Add</i>	994.29	
<i>For SNMP, Add</i>	1,242.86	
<i>For Load Bus Sync Board, Add</i>	1,854.42	
<i>For Input Filter with Disconnect, Add</i>	5,900.12	
<i>For Two Breaker Maintenance Bypass Switchboard, Add</i>	8,199.69	
<i>For Load Bus Sync Control Panel With Start Up, Add</i>	8,965.92	
<i>For 12 Pulse With Isolation Transformer, Add</i>	11,178.39	
<i>For Three Breaker Maintenance Bypass Switchboard, Add</i>	12,468.80	
<i>For VRLA 12 Minute Battery, Add</i>	71,343.92	
26 33 53 00-0046 Optional Accessories For Three Phase, Uninterruptible Power Supply Systems		
26 33 53 00-0047 EA Programmable Relay Board For Liebert® Npower™ Uninterruptible Power Supply Systems.....	440.83	35.07
26 33 53 00-0048 EA Network Interface Card For Liebert® Npower™ Uninterruptible Power Supply Systems.....	715.42	35.07
26 33 53 00-0049 EA Remote Status Panel With 100' Of Cable For Liebert® Npower™ Uninterruptible Power Supply Systems.....	1,353.21	70.15
26 33 53 00-0050 EA Slim Line Distribution Panel With Two 42 Pole Panels For Liebert® Npower™ Uninterruptible Power Supply Systems.....	4,177.02	280.58
26 33 53 00-0051 EA Replacement 12 Volt, 3 Phase, 134 Amp Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR).....	320.47	35.07
26 33 53 00-0052 EA Replacement 12 Volt, 204 Watts, 3 Phase, 55 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200).....	175.80	35.07

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 33 Battery Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0053 EA Replacement 12 Volt, 257 Watts, 3 Phase, 65 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250).....	196.91	35.07
26 33 53 00-0054 EA Replacement 12 Volt, 311 Watts, 3 Phase, 75 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300).....	218.02	35.07
26 33 53 00-0055 EA Replacement 12 Volt, 374 Watts, 3 Phase, 90 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350).....	256.02	35.07
26 33 53 00-0056 EA Replacement 12 Volt, 415 Watts, 3 Phase, 100 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400).....	268.69	35.07
26 33 53 00-0057 EA Replacement 12 Volt, 493 Watts, 3 Phase, 135 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500).....	334.13	35.07
26 33 53 00-0058 EA Replacement 12 Volt, 540 Watts, 3 Phase, 150 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540).....	349.96	35.07
26 33 53 00-0059 Other Uninterruptable Power Supply Equipment (26 33 53)		
26 33 53 00-0060 EA Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In.....	3,133.96	64.12
26 33 53 00-0061 EA Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In.....	3,780.45	128.26
26 33 53 00-0062 EA GE Plug-In Breakers 1 Pole 15- 60A For UPS Distribution Panel.....	17.02	3.85
26 33 53 00-0063 EA GE Plug-In Breakers 2 Pole 15- 40A For UPS Distribution Panel.....	30.35	4.81
26 33 53 00-0064 EA GE Plug-In Breakers 2 Pole 50- 80A For UPS Distribution Panel.....	56.26	4.81
26 33 53 00-0065 EA GE Plug-In Breakers 3 Pole 15- 60A For UPS Distribution Panel.....	82.27	6.41
26 33 53 00-0066 EA GE Plug-In Breakers 3 Pole 70- 100A For UPS Distribution Panel.....	116.47	6.41
26 33 53 00-0067 EA Uninterrupted Power Supply Remote Status Panel.....	2,149.34	64.12
26 33 53 00-0068 EA Uninterrupted Power Supply Remote Contact Board.....	718.05	48.10
26 35 Power Filters And Conditioners (26 30)		
26 35 33 Power Factor Correction Equipment (26 35)		
26 35 33 00-0001 Power Factor Correction Capacitors (26 35 33)		
26 35 33 00-0002 EA Power Factor Correction Capacitors, 2.0 KVAC.....	420.78	
26 35 33 00-0003 EA Power Factor Correction Capacitors, 3.0 KVAC.....	466.03	
26 35 33 00-0004 EA Power Factor Correction Capacitors, 4.0 KVAC.....	511.27	
26 35 33 00-0005 EA Power Factor Correction Capacitors, 5.0 KVAC.....	554.71	
26 35 33 00-0006 EA Power Factor Correction Capacitors, 7.5 KVAC.....	681.39	
26 35 33 00-0007 EA Power Factor Correction Capacitors, 10.0 KVAC.....	832.51	
26 35 33 00-0008 EA Power Factor Correction Capacitors, 15.0 KVAC.....	1,285.87	
26 35 33 00-0009 EA Power Factor Correction Capacitors, 20.0 KVAC.....	1,561.86	
26 35 33 00-0010 EA Power Factor Correction Capacitors, 25.0 KVAC.....	2,017.94	
26 35 33 00-0011 EA Power Factor Correction Capacitors, 30.0 KVAC.....	2,294.84	
26 35 33 00-0012 EA Power Factor Correction Capacitors, 50.0 KVAC.....	4,026.82	
26 35 33 00-0013 EA Power Factor Correction Capacitors, 75.0 KVAC.....	6,054.71	
26 35 33 00-0014 EA Power Factor Correction Capacitors, 100.0 KVAC.....	8,073.56	
26 35 33 00-0015 EA Power Factor Correction Capacitors, Fuse Kit.....	374.63	
26 35 43 Static-Frequency Converters (26 35)		
26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure (26 35 43)		
26 35 43 00-0002 EA 750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure.....	375.46	70.15
26 35 43 00-0003 EA 2 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	648.13	84.17
26 35 43 00-0004 EA 3 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	743.90	112.24
26 35 43 00-0005 EA 5 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,019.57	140.29
26 35 43 00-0006 EA 7 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,401.82	182.38
26 35 43 00-0007 EA 11 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,808.92	224.46
26 35 43 00-0008 EA 15 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	2,265.70	266.55
26 35 43 00-0009 EA 21 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	2,758.13	301.63
26 35 43 00-0010 EA 29 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	3,207.30	364.75
26 35 43 00-0011 EA 36 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	3,671.09	410.36
26 35 43 00-0012 EA 44 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	4,134.88	455.95
26 35 43 00-0013 EA 55 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	5,131.57	550.65
26 35 43 00-0014 EA 74 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	6,660.15	662.87
26 35 43 00-0015 EA 87 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	8,438.13	806.67
26 35 43 00-0016 EA 110 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	9,655.62	943.45
26 35 43 00-0017 EA 125 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	12,406.76	1,052.18
26 35 43 00-0018 EA 165 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	18,897.35	1,192.47
26 35 43 00-0019 EA 220 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	28,120.34	1,332.76
26 35 53 Voltage Regulators (26 35)		
26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase (26 35 53)		
Note: For diesel motor generator sets mounted in switchgear cabinet.		
26 35 53 00-0002 EA 50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	3,919.26	1,115.31
26 35 53 00-0003 EA 75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	4,499.66	1,402.91
26 35 53 00-0004 EA 100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	5,034.10	1,669.46
26 36 Transfer Switches (26 30)		
26 36 13 Manual Transfer Switches (26 36)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 13 00-0001 Fused Manual Transfer Switches <small>(26 36 13)</small>		
26 36 13 00-0002 EA 30 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,008.01	122.75
26 36 13 00-0003 EA 60 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,166.14	152.49
26 36 23 Automatic Transfer Switches <small>(26 36)</small>		
26 36 23 00-0001 Automatic Transfer Switch <small>(26 36 23)</small>		
26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small>		
Note: Programmable, 120/240 volt single phase, 3 wire.		
26 36 23 00-0003 EA 100 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	1,743.54	254.10
26 36 23 00-0004 EA 225 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	2,372.13	326.71
26 36 23 00-0005 EA 400 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	3,771.55	435.61
26 36 23 00-0006 EA 600 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	8,608.42	544.52
26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small>		
26 36 23 00-0008 EA 40 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40)	2,879.65	181.51
<i>For NEMA 3R Enclosure, Add</i>		
616.95		
<i>For NEMA 4 Enclosure, Add</i>		
653.23		
<i>For NEMA 12 Enclosure, Add</i>		
653.23		
26 36 23 00-0009 EA 70 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70)	3,324.21	217.81
<i>For NEMA 3R Enclosure, Add</i>		
616.95		
<i>For NEMA 4 Enclosure, Add</i>		
653.23		
<i>For NEMA 12 Enclosure, Add</i>		
653.23		
26 36 23 00-0010 EA 125 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125)	3,653.67	254.10
<i>For NEMA 3R Enclosure, Add</i>		
616.95		
<i>For NEMA 4 Enclosure, Add</i>		
653.23		
<i>For NEMA 12 Enclosure, Add</i>		
653.23		
26 36 23 00-0011 EA 150 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150)	4,347.12	290.40
<i>For NEMA 3R Enclosure, Add</i>		
725.82		
<i>For NEMA 4 Enclosure, Add</i>		
943.56		
<i>For NEMA 12 Enclosure, Add</i>		
653.23		
26 36 23 00-0012 EA 225 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225)	4,964.03	326.71
<i>For NEMA 3R Enclosure, Add</i>		
725.82		
<i>For NEMA 4 Enclosure, Add</i>		
943.56		
<i>For NEMA 12 Enclosure, Add</i>		
653.23		
26 36 23 00-0013 EA 260 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260)	5,477.81	363.01
<i>For NEMA 3R Enclosure, Add</i>		
725.82		
<i>For NEMA 4 Enclosure, Add</i>		
943.56		
<i>For NEMA 12 Enclosure, Add</i>		
653.23		
26 36 23 00-0014 EA 300 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300)	5,722.75	399.31
<i>For NEMA 3R Enclosure, Add</i>		
856.46		
<i>For NEMA 4 Enclosure, Add</i>		
1,016.14		
<i>For NEMA 12 Enclosure, Add</i>		
725.82		
26 36 23 00-0015 EA 400 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400)	6,472.75	435.61
<i>For NEMA 3R Enclosure, Add</i>		
856.46		
<i>For NEMA 4 Enclosure, Add</i>		
1,016.14		
<i>For NEMA 12 Enclosure, Add</i>		
725.82		
26 36 23 00-0016 EA 600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600)	8,873.16	544.52
<i>For NEMA 3R Enclosure, Add</i>		
856.46		
<i>For NEMA 4 Enclosure, Add</i>		
1,016.14		
<i>For NEMA 12 Enclosure, Add</i>		
725.82		
26 36 23 00-0017 EA 800 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800)	9,948.68	653.42
<i>For NEMA 3R Enclosure, Add</i>		
1,052.43		
<i>For NEMA 4 Enclosure, Add</i>		
1,161.31		
<i>For NEMA 12 Enclosure, Add</i>		
1,016.14		
26 36 23 00-0018 EA 1,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000)	12,869.66	871.22
<i>For NEMA 3R Enclosure, Add</i>		
1,052.43		
<i>For NEMA 4 Enclosure, Add</i>		
1,161.31		
<i>For NEMA 12 Enclosure, Add</i>		
1,016.14		
26 36 23 00-0019 EA 1,200 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200)	16,735.82	943.83
<i>For NEMA 3R Enclosure, Add</i>		
2,322.60		
<i>For NEMA 4 Enclosure, Add</i>		
1,306.46		
<i>For NEMA 12 Enclosure, Add</i>		
1,088.72		
26 36 23 00-0020 EA 1,600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600)	17,828.08	1,089.03
<i>For NEMA 3R Enclosure, Add</i>		
3,774.22		
<i>For NEMA 4 Enclosure, Add</i>		
4,645.20		
<i>For NEMA 12 Enclosure, Add</i>		
3,774.22		
26 36 23 00-0021 EA 2,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000)	20,386.13	1,234.23
<i>For NEMA 3R Enclosure, Add</i>		
3,774.22		
<i>For NEMA 4 Enclosure, Add</i>		
4,645.20		
<i>For NEMA 12 Enclosure, Add</i>		
3,774.22		
26 36 23 00-0022 EA 3,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000)	24,615.27	1,524.65
<i>For NEMA 3R Enclosure, Add</i>		
3,774.22		
26 36 23 00-0023 EA 4,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000)	42,871.70	1,815.05
<i>For NEMA 3R Enclosure, Add</i>		
17,738.82		
26 36 23 00-0024 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small>		

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 36 Transfer Switches**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0025 EA 150 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150).....	14,294.54	1,379.44
For NEMA 3R Enclosure, Add	1,270.18	
For NEMA 4 Enclosure, Add	1,306.46	
For NEMA 12 Enclosure, Add	689.53	
26 36 23 00-0026 EA 225 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225).....	14,920.31	1,452.04
For NEMA 3R Enclosure, Add	1,270.18	
For NEMA 4 Enclosure, Add	1,306.46	
For NEMA 12 Enclosure, Add	689.53	
26 36 23 00-0027 EA 260 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260).....	15,640.48	1,524.65
For NEMA 3R Enclosure, Add	1,270.18	
For NEMA 4 Enclosure, Add	1,306.46	
For NEMA 12 Enclosure, Add	689.53	
26 36 23 00-0028 EA 300 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300).....	17,475.62	1,560.95
For NEMA 3R Enclosure, Add	1,270.18	
For NEMA 4 Enclosure, Add	1,306.46	
For NEMA 12 Enclosure, Add	689.53	
26 36 23 00-0029 EA 400 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400).....	20,197.36	1,597.25
For NEMA 3R Enclosure, Add	1,270.18	
For NEMA 4 Enclosure, Add	1,306.46	
For NEMA 12 Enclosure, Add	689.53	
26 36 23 00-0030 EA 600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600).....	24,285.03	1,669.84
For NEMA 3R Enclosure, Add	1,270.18	
For NEMA 4 Enclosure, Add	1,306.46	
For NEMA 12 Enclosure, Add	725.82	
26 36 23 00-0031 EA 800 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800).....	26,785.49	1,742.45
For NEMA 3R Enclosure, Add	1,306.46	
For NEMA 4 Enclosure, Add	1,306.46	
For NEMA 12 Enclosure, Add	798.40	
26 36 23 00-0032 EA 1,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000).....	33,677.52	2,032.86
For NEMA 3R Enclosure, Add	1,306.46	
For NEMA 4 Enclosure, Add	1,306.46	
For NEMA 12 Enclosure, Add	798.40	
26 36 23 00-0033 EA 1,200 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200).....	43,998.41	2,178.06
For NEMA 3R Enclosure, Add	5,806.49	
For NEMA 4 Enclosure, Add	7,258.11	
For NEMA 12 Enclosure, Add	5,806.49	
26 36 23 00-0034 EA 1,600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600).....	57,526.00	2,323.27
For NEMA 3R Enclosure, Add	12,338.79	
For NEMA 4 Enclosure, Add	12,338.79	
For NEMA 12 Enclosure, Add	11,496.85	
26 36 23 00-0035 EA 2,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000).....	65,341.80	2,541.08
For NEMA 3R Enclosure, Add	12,338.79	
For NEMA 4 Enclosure, Add	12,338.79	
For NEMA 12 Enclosure, Add	11,496.85	
26 36 23 00-0036 EA 3,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000).....	104,781.10	2,904.08
For NEMA 3R Enclosure, Add	15,242.03	
26 36 23 00-0037 EA 4,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000).....	113,068.37	3,267.09
For NEMA 3R Enclosure, Add	15,242.03	
26 36 23 00-0038 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small>		
26 36 23 00-0039 EA 40 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40).....	4,710.89	181.51
For NEMA 3R Enclosure, Add	362.91	
For NEMA 12 Enclosure, Add	653.23	
26 36 23 00-0040 EA 70 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70).....	5,092.25	217.81
For NEMA 3R Enclosure, Add	362.91	
For NEMA 12 Enclosure, Add	653.23	
26 36 23 00-0041 EA 125 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125).....	5,472.95	254.10
For NEMA 3R Enclosure, Add	362.91	
For NEMA 12 Enclosure, Add	653.23	
26 36 23 00-0042 EA 150 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150).....	6,574.29	290.40
For Four Pole Circuit Breaker, Add	1,814.53	
For NEMA 3R Enclosure, Add	362.91	
For NEMA 12 Enclosure, Add	653.23	
26 36 23 00-0043 EA 225 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225).....	8,565.97	326.71
For Four Pole Circuit Breaker, Add	1,814.53	
For NEMA 3R Enclosure, Add	362.91	
For NEMA 12 Enclosure, Add	653.23	
26 36 23 00-0044 EA 250 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250).....	9,118.34	363.01
For Four Pole Circuit Breaker, Add	1,814.53	
For NEMA 3R Enclosure, Add	362.91	
For NEMA 12 Enclosure, Add	653.23	
26 36 23 00-0045 EA 300 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300).....	9,480.40	399.31
For Four Pole Circuit Breaker, Add	2,467.76	
For NEMA 3R Enclosure, Add	943.56	
For NEMA 12 Enclosure, Add	725.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0046 EA 400 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400).....	10,730.13	435.61
<i>For Four Pole Circuit Breaker, Add</i>	2,467.76	
<i>For NEMA 3R Enclosure, Add</i>	943.56	
<i>For NEMA 12 Enclosure, Add</i>	725.82	
26 36 23 00-0047 EA 600 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600).....	13,018.07	544.52
<i>For Four Pole Circuit Breaker, Add</i>	2,467.76	
<i>For NEMA 3R Enclosure, Add</i>	943.56	
<i>For NEMA 12 Enclosure, Add</i>	725.82	
26 36 23 00-0048 EA 800 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800).....	13,552.61	653.42
<i>For Four Pole Circuit Breaker, Add</i>	3,520.19	
<i>For NEMA 3R Enclosure, Add</i>	1,625.82	
<i>For NEMA 12 Enclosure, Add</i>	1,016.14	
26 36 23 00-0049 EA 1,000 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000).....	15,983.84	871.22
<i>For Four Pole Circuit Breaker, Add</i>	3,520.19	
<i>For NEMA 3R Enclosure, Add</i>	1,625.82	
<i>For NEMA 12 Enclosure, Add</i>	1,016.14	
26 36 23 00-0050 Accessories (26 36 23)		
26 36 23 00-0051 EA Auxiliary Contacts For Automatic Transfer Switch	168.39	
26 36 23 00-0052 EA Battery Charger For Automatic Transfer Switch	1,379.05	
26 36 23 00-0053 EA Elevator Relay Signal For Automatic Transfer Switch	500.81	
26 36 33 Non-Automatic Transfer Switches (26 36)		
26 36 33 00-0001 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 33)		
26 36 33 00-0002 EA 40 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40).....	1,930.75	181.51
<i>For NEMA 3R Enclosure, Add</i>	616.95	
<i>For NEMA 12 Enclosure, Add</i>	580.65	
26 36 33 00-0003 EA 70 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70).....	2,139.10	217.81
<i>For NEMA 3R Enclosure, Add</i>	616.95	
<i>For NEMA 12 Enclosure, Add</i>	580.65	
26 36 33 00-0004 EA 125 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125).....	2,427.97	254.10
<i>For NEMA 3R Enclosure, Add</i>	616.95	
<i>For NEMA 12 Enclosure, Add</i>	580.65	
26 36 33 00-0005 EA 150 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150).....	2,262.80	290.40
<i>For NEMA 3R Enclosure, Add</i>	725.82	
<i>For NEMA 12 Enclosure, Add</i>	580.65	
26 36 33 00-0006 EA 225 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225).....	3,731.67	326.71
<i>For NEMA 3R Enclosure, Add</i>	725.82	
<i>For NEMA 12 Enclosure, Add</i>	580.65	
26 36 33 00-0007 EA 260 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260).....	4,195.54	363.01
<i>For NEMA 3R Enclosure, Add</i>	725.82	
<i>For NEMA 12 Enclosure, Add</i>	580.65	
26 36 33 00-0008 EA 300 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300).....	4,666.73	399.31
<i>For NEMA 3R Enclosure, Add</i>	856.46	
<i>For NEMA 12 Enclosure, Add</i>	725.82	
26 36 33 00-0009 EA 400 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400).....	5,479.28	435.61
<i>For NEMA 3R Enclosure, Add</i>	856.46	
<i>For NEMA 12 Enclosure, Add</i>	725.82	
26 36 33 00-0010 EA 600 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600).....	7,246.86	544.52
<i>For NEMA 3R Enclosure, Add</i>	856.46	
<i>For NEMA 12 Enclosure, Add</i>	725.82	
26 36 33 00-0011 EA 800 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800).....	8,152.71	653.42
<i>For NEMA 3R Enclosure, Add</i>	1,052.43	
<i>For NEMA 12 Enclosure, Add</i>	1,016.14	
26 36 33 00-0012 EA 1,000 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000).....	10,770.25	871.22
<i>For NEMA 3R Enclosure, Add</i>	1,052.43	
<i>For NEMA 12 Enclosure, Add</i>	1,016.14	
26 40 Electrical And Cathodic Protection (26)		
26 43 Surge Protective Devices (26 40)		
26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits (26 43)		
26 43 13 00-0001 25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13) Note: Liebert LPL		
26 43 13 00-0002 EA 120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	188.00	17.54
26 43 13 00-0003 EA 208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	203.52	17.54
26 43 13 00-0004 EA 240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	210.54	21.05
26 43 13 00-0005 EA 277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	176.55	14.03
26 43 13 00-0006 EA 480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	210.54	21.05
26 43 13 00-0007 50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13) Note: Liebert LPL		
26 43 13 00-0008 EA 120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	264.47	17.54

26 Electrical
26 40 Electrical And Cathodic Protection
26 43 Surge Protective Devices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0009	EA	208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	280.35	21.05
26 43 13 00-0010	EA	208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	273.33	17.54
26 43 13 00-0011	EA	480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	280.35	21.05
26 43 13 00-0012		100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13) Note: Liebert LPL		
26 43 13 00-0013	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	322.09	17.54
26 43 13 00-0014	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	337.98	21.05
26 43 13 00-0015	EA	277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	301.78	14.03
26 43 13 00-0016	EA	480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	337.98	21.05
26 43 13 00-0017		100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13) Note: Liebert LPM		
26 43 13 00-0018	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	381.94	17.54
26 43 13 00-0019	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	429.96	21.05
26 43 13 00-0020	EA	277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	362.73	14.03
26 43 13 00-0021		160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13) Note: Liebert LPM		
26 43 13 00-0022	EA	208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	679.31	21.05
26 43 13 00-0023	EA	208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	672.29	17.54
26 43 13 00-0024	EA	480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	679.31	21.05
26 43 13 00-0025		250 kA, 500 Joule Transient Voltage Surge Suppression (26 43 13) Note: Liebert Interceptor Hybrid.		
26 43 13 00-0026	EA	LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	3,980.23	35.07
26 43 13 00-0027	EA	Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	4,866.79	35.07
26 43 13 00-0028		Class 1310 Transient Voltage Surge Suppression (26 43 13) Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
26 43 13 00-0029		NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0028) Note: Square D. EMA series.		
26 43 13 00-0030	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,178.56	91.19
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0031	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,503.19	105.22
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0032	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,135.72	122.75
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0033	EA	320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,845.30	140.29
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0034	EA	480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	10,137.53	192.90
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0035	EA	120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,318.94	91.19
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0036	EA	160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,657.40	105.22
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0037	EA	240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,373.96	122.75
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0038	EA	320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,154.71	140.29
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0039	EA	480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	10,614.99	192.90
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0040	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,318.94	91.19
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0041	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,657.40	105.22
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0042	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,373.93	122.75
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0043	EA	320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,154.71	140.29
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0044	EA	480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	10,614.99	192.90
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0045	EA			120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,459.33 265.68 203.04	91.19
26 43 13 00-0046	EA			160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,813.59 265.68 203.04	105.22
26 43 13 00-0047	EA			240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,614.16 265.68 203.04	122.75
26 43 13 00-0048	EA			320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,466.13 265.68 203.04	140.29
26 43 13 00-0049	EA			480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	11,094.39 265.68 203.04	192.90
26 43 13 00-0050	EA			120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,622.43 265.68 203.04	91.19
26 43 13 00-0051	EA			160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,975.72 265.68 203.04	105.22
26 43 13 00-0052	EA			240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,865.24 265.68 203.04	122.75
26 43 13 00-0053	EA			320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,792.34 265.68 203.04	140.29
26 43 13 00-0054	EA			480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	10,917.91 265.68 203.04	192.90
26 43 13 00-0055				NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ⁽²⁶⁾ <small>43 13 00-0028)</small> Note: Square D EBA series.		
26 43 13 00-0056	EA			120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,466.85 265.68 203.04	91.19
26 43 13 00-0057	EA			160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,983.25 265.68 203.04	105.22
26 43 13 00-0058	EA			240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,390.39 265.68 203.04	122.75
26 43 13 00-0059	EA			120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,546.92 265.68 203.04	91.19
26 43 13 00-0060	EA			160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,101.87 265.68 203.04	105.22
26 43 13 00-0061	EA			240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,545.58 265.68 203.04	122.75
26 43 13 00-0062	EA			120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,546.92 265.68 203.04	91.19
26 43 13 00-0063	EA			160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,101.87 265.68 203.04	105.22
26 43 13 00-0064	EA			240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,545.58 265.68 203.04	122.75
26 43 13 00-0065	EA			120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,648.74 265.68 203.04	91.19
26 43 13 00-0066	EA			160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,229.40 265.68 203.04	105.22
26 43 13 00-0067	EA			240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,744.27 265.68 203.04	122.75
26 43 13 00-0068	EA			120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,755.51 265.68 203.04	91.19
26 43 13 00-0069	EA			160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,364.82 265.68 203.04	105.22
26 43 13 00-0070	EA			240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,952.84 265.68 203.04	122.75
26 43 13 00-0071				NEMA 4X Modular Device Transient Voltage Surge Suppressor ^(26 43 13 00-0028) Note: Square D EMA series. Stainless steel.		

26 Electrical
26 40 Electrical And Cathodic Protection
26 43 Surge Protective Devices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0072	EA		120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,112.71	91.19
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0073	EA		160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,437.34	105.22
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0074	EA		240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	6,069.86	122.75
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0075	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,253.09	91.19
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0076	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,591.54	105.22
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0077	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	6,308.10	122.75
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0078	EA		120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,253.09	91.19
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0079	EA		160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,591.54	105.22
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0080	EA		240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	6,308.07	122.75
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0081	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,393.47	91.19
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0082	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,747.73	105.22
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0083	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	6,548.31	122.75
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0084	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,556.58	91.19
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0085	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	4,909.87	105.22
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0086	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	6,799.39	122.75
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0087			NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0026)</small>		
			Note: Square D EBA series. Stainless steel.		
26 43 13 00-0088	EA		120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	3,401.00	91.19
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0089	EA		160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	3,917.40	105.22
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0090	EA		240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	5,324.53	122.75
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0091	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	3,481.07	91.19
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0092	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	4,036.02	105.22
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0093	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	5,479.72	122.75
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0094	EA		120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	3,481.07	91.19
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0095	EA		160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	4,036.02	105.22
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0096	EA		240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	5,479.72	122.75
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0097	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	3,582.89	91.19
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0098	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	4,163.54	105.22
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0099	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	5,678.41	122.75
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0100 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,689.65 265.68 203.04	91.19
26 43 13 00-0101 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,298.96 265.68 203.04	105.22
26 43 13 00-0102 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,886.99 265.68 203.04	122.75

26 50 Lighting ⁽²⁶⁾

Note: Light fixtures include testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 51 Interior Lighting ^(26 50)

26 51 13 Interior Lighting Fixtures, Lamps, And Ballasts ^(26 51)

26 51 13 00-0001 Lighting Accessories ^(26 51 13)

26 51 13 00-0002 Modular Flexible Wiring Systems ^(26 51 13 00-0001)

26 51 13 00-0003 EA 10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10)	53.25	3.79
26 51 13 00-0004 EA 15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15)	62.42	3.79
26 51 13 00-0005 EA 20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20)	75.30	3.79
26 51 13 00-0006 EA 15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15)	62.42	3.79
26 51 13 00-0007 EA 3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E)	53.28	3.79
26 51 13 00-0008 EA 13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13)	79.23	3.79
26 51 13 00-0009 EA 3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M)	43.49	3.79
26 51 13 00-0010 EA 3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E)	49.23	3.79
26 51 13 00-0011 EA 7" Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07)	63.39	3.79
26 51 13 00-0012 EA 7" Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07)	63.39	3.79
26 51 13 00-0013 EA 7" Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07)	64.47	3.79
26 51 13 00-0014 EA 7" Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07)	64.07	3.79
26 51 13 00-0015 EA 7" Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07)	64.07	3.79
26 51 13 00-0016 EA 15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15)	73.73	3.79
26 51 13 00-0017 EA 3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D)	33.55	3.79
26 51 13 00-0018 EA 3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E)	31.29	3.79
26 51 13 00-0019 EA 3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E)	32.08	3.79
26 51 13 00-0020 EA 3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E)	40.44	3.79
26 51 13 00-0021 EA 15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15)	53.25	3.79
26 51 13 00-0022 EA 15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15)	54.61	3.79
26 51 13 00-0023 EA Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E)	42.51	3.79
26 51 13 00-0024 EA 3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E)	31.29	3.79
26 51 13 00-0025 EA Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning	31.56	

26 51 13 00-0026 Removal And Reinstallation Of Light Fixtures ^(26 51 13)

Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.

26 51 13 00-0027 EA Removal And Reinstallation Of Lay-In Fluorescent Light Fixture	74.71	
26 51 13 00-0028 EA Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture	85.38	

26 51 13 00-0029 Fluorescent Fixtures ^(26 51 13)

26 51 13 00-0030 Surface Mounted, Wraparound Fluorescent Fixtures ^(26 51 13 00-0029)

26 51 13 00-0031 6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures ^(26 51 13 00-0030)

26 51 13 00-0032 EA 1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	93.24	20.07
26 51 13 00-0033 EA 2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	104.39	20.07

26 51 13 00-0034 6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures ^(26 51 13 00-0030)

26 51 13 00-0035 EA 1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	104.11	20.90
26 51 13 00-0036 EA 2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	115.53	20.90

26 51 13 00-0037 1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures ^(26 51 13 00-0030)

26 51 13 00-0038 EA 2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	123.49	23.47
26 51 13 00-0039 EA 3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	145.16	23.47
26 51 13 00-0040 EA 4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	169.07	23.47

26 51 13 00-0041 2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures ^(26 51 13 00-0030)

26 51 13 00-0042 EA 2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	103.53	25.65
26 51 13 00-0043 EA 3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	118.93	25.65

26 51 13 00-0044 2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures ^(26 51 13 00-0030)

26 51 13 00-0045 EA 2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	158.26	29.88
26 51 13 00-0046 EA 3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	169.38	29.88

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0047 EA 4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	191.03	29.88
26 51 13 00-0048 Surface Mounted, Box Type Fluorescent Fixtures (26 51 13 00-0029) Note: Includes prismatic lens.		
26 51 13 00-0049 1' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 13 00-0048)		
26 51 13 00-0050 EA 2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	122.83	23.28
26 51 13 00-0051 EA 3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	196.34	23.28
26 51 13 00-0052 EA 4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	222.89	23.28
26 51 13 00-0053 2' x 2', Surface Mounted, Box Type Fluorescent Fixtures (26 51 13 00-0048)		
26 51 13 00-0054 EA 2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	191.53	25.65
26 51 13 00-0055 EA 3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	208.85	25.65
26 51 13 00-0056 EA 4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	221.42	25.65
26 51 13 00-0057 2' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 13 00-0048)		
26 51 13 00-0058 EA 2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	193.68	29.88
26 51 13 00-0059 EA 3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	211.37	29.88
26 51 13 00-0060 EA 4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	220.88	29.88
26 51 13 00-0061 EA 6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	235.12	29.88
26 51 13 00-0062 4' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 13 00-0048)		
26 51 13 00-0063 EA 4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	379.28	38.48
26 51 13 00-0064 EA 6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	384.38	38.48
26 51 13 00-0065 EA 8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	607.38	38.48
26 51 13 00-0066 Recessed Fluorescent Fixtures (26 51 13 00-0029)		
26 51 13 00-0067 Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0066)		
26 51 13 00-0068 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 13 00-0067)		
26 51 13 00-0069 EA 2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	119.80	20.07
For Drywall Or Plaster Ceilings, Add	13.56	
26 51 13 00-0070 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 13 00-0067)		
26 51 13 00-0071 EA 2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	152.82	23.28
For Drywall Or Plaster Ceilings, Add	15.88	
26 51 13 00-0072 EA 2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	272.52	23.28
For Drywall Or Plaster Ceilings, Add	15.88	
26 51 13 00-0073 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 13 00-0067)		
26 51 13 00-0074 EA 2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	157.12	25.65
For Drywall Or Plaster Ceilings, Add	17.32	
26 51 13 00-0075 EA 3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	178.37	25.65
For Drywall Or Plaster Ceilings, Add	17.32	
26 51 13 00-0076 EA 4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	181.24	25.65
For Drywall Or Plaster Ceilings, Add	17.32	
26 51 13 00-0077 EA 2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	195.42	25.65
For Drywall Or Plaster Ceilings, Add	17.32	
26 51 13 00-0078 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 13 00-0067)		
26 51 13 00-0079 EA 2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	153.58	29.88
For Drywall Or Plaster Ceilings, Add	20.20	
26 51 13 00-0080 EA 3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	207.23	29.88
For Drywall Or Plaster Ceilings, Add	20.20	
26 51 13 00-0081 EA 4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	209.78	29.88
For Drywall Or Plaster Ceilings, Add	20.20	
26 51 13 00-0082 EA 6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	232.57	29.88
For Drywall Or Plaster Ceilings, Add	20.20	
26 51 13 00-0083 EA 2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	205.58	29.88
For Drywall Or Plaster Ceilings, Add	20.20	
26 51 13 00-0084 EA 3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	275.81	29.88
For Drywall Or Plaster Ceilings, Add	20.20	
26 51 13 00-0085 EA 4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	283.77	29.88
For Drywall Or Plaster Ceilings, Add	20.20	
26 51 13 00-0086 Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0066)		
26 51 13 00-0087 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0086)		
26 51 13 00-0088 EA 1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	136.59	20.07
For Drywall Or Plaster Ceilings, Add	13.56	
26 51 13 00-0089 EA 2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	139.46	20.07
For Drywall Or Plaster Ceilings, Add	13.56	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0090 EA 3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	161.97 13.56	20.07
26 51 13 00-0091 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0086)		
26 51 13 00-0092 EA 1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	154.76 15.88	23.28
26 51 13 00-0093 EA 2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	157.31 15.88	23.28
26 51 13 00-0094 EA 3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	176.00 15.88	23.28
26 51 13 00-0095 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0086)		
26 51 13 00-0096 EA 2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	161.40 17.32	25.65
26 51 13 00-0097 EA 3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	164.26 17.32	25.65
26 51 13 00-0098 EA 4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	186.45 17.32	25.65
26 51 13 00-0099 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0086)		
26 51 13 00-0100 EA 2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	153.58 20.20	29.88
26 51 13 00-0101 EA 3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	176.85 20.20	29.88
26 51 13 00-0102 EA 4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	198.97 20.20	29.88
26 51 13 00-0103 EA 6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	223.73 20.20	29.88
26 51 13 00-0104 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Premium High-Performance Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture (Lithonia 2ES8PHE) <i>For Drywall Or Plaster Ceilings, Add</i> <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	188.97 20.20 -9.45 -18.90	29.88
26 51 13 00-0105 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Premium High-Performance Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture (Lithonia 2ES8PHE) <i>For Drywall Or Plaster Ceilings, Add</i> <i>For >100 To 500, Deduct</i> <i>For >500, Deduct</i>	188.97 20.20 -9.45 -18.90	29.88
26 51 13 00-0106 Direct-Indirect, Recessed Fluorescent Fixtures (26 51 13 00-0066)		
26 51 13 00-0107 1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 13 00-0106)		
26 51 13 00-0108 EA 1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	278.00 15.88	23.28
26 51 13 00-0109 EA 2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	280.55 15.88	23.28
26 51 13 00-0110 EA 1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	329.89 15.88	23.28
26 51 13 00-0111 EA 2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	337.85 15.88	23.28
26 51 13 00-0112 2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 13 00-0106)		
26 51 13 00-0113 EA 2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	226.40 17.32	25.65
26 51 13 00-0114 EA 3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	251.60 17.32	25.65
26 51 13 00-0115 EA 2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	307.93 17.32	25.65
26 51 13 00-0116 2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 13 00-0106)		
26 51 13 00-0117 EA 2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	252.83 20.20	29.88
26 51 13 00-0118 EA 3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	308.44 20.20	29.88
26 51 13 00-0119 EA 1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	328.40 20.20	29.88
26 51 13 00-0120 EA 2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	361.76 20.20	29.88
26 51 13 00-0121 Volumetric, Recessed Fluorescent Fixtures (26 51 13 00-0066)		
26 51 13 00-0122 1' x 4', Volumetric, Recessed Fluorescent Fixtures (26 51 13 00-0121)		
26 51 13 00-0123 EA 2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	219.77 15.88	23.28
26 51 13 00-0124 EA 2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	286.53 15.88	23.28

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0125 2' x 2', Volumetric, Recessed Fluorescent Fixtures <small>(26 51 13 00-0121)</small>		
26 51 13 00-0126 EA 2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture.....	220.30	25.65
<i>For Drywall Or Plaster Ceilings, Add</i>	17.32	
26 51 13 00-0127 EA 2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture.....	250.16	25.65
<i>For Drywall Or Plaster Ceilings, Add</i>	17.32	
26 51 13 00-0128 2' x 4', Volumetric, Recessed Fluorescent Fixtures <small>(26 51 13 00-0121)</small>		
26 51 13 00-0129 EA 2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture.....	245.16	29.88
<i>For Drywall Or Plaster Ceilings, Add</i>	20.20	
26 51 13 00-0130 EA 2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture.....	245.66	29.88
<i>For Drywall Or Plaster Ceilings, Add</i>	20.20	
26 51 13 00-0131 Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0066)</small>		
26 51 13 00-0132 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0131)</small>		
26 51 13 00-0133 EA 2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	206.39	23.28
<i>For Drywall Or Plaster Ceilings, Add</i>	15.88	
26 51 13 00-0134 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0131)</small>		
26 51 13 00-0135 EA 2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	200.81	25.65
<i>For Drywall Or Plaster Ceilings, Add</i>	17.32	
26 51 13 00-0136 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0131)</small>		
26 51 13 00-0137 EA 2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	240.20	29.88
<i>For Drywall Or Plaster Ceilings, Add</i>	20.20	
26 51 13 00-0138 EA 3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	308.86	29.88
<i>For Drywall Or Plaster Ceilings, Add</i>	20.20	
26 51 13 00-0139 EA 4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	273.72	29.88
<i>For Drywall Or Plaster Ceilings, Add</i>	20.20	
26 51 13 00-0140 Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0066)</small>		
26 51 13 00-0141 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0140)</small>		
26 51 13 00-0142 EA 2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	197.32	23.28
<i>For Drywall Or Plaster Ceilings, Add</i>	15.88	
26 51 13 00-0143 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0140)</small>		
26 51 13 00-0144 EA 2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	200.59	25.65
<i>For Drywall Or Plaster Ceilings, Add</i>	17.32	
26 51 13 00-0145 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0140)</small>		
26 51 13 00-0146 EA 2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	245.29	29.88
<i>For Drywall Or Plaster Ceilings, Add</i>	20.20	
26 51 13 00-0147 EA 3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	249.61	29.88
<i>For Drywall Or Plaster Ceilings, Add</i>	20.20	
26 51 13 00-0148 EA 4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	255.91	29.88
<i>For Drywall Or Plaster Ceilings, Add</i>	20.20	
26 51 13 00-0149 Striplight Fluorescent Fixtures <small>(26 51 13 00-0029)</small>		
26 51 13 00-0150 1 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 13 00-0149)</small>		
26 51 13 00-0151 EA 1 T8 Lamp, 1-1/2' Length, Striplight Fluorescent Fixture.....	90.75	19.24
26 51 13 00-0152 EA 1 T8 Lamp, 2' Length, Striplight Fluorescent Fixture.....	108.78	19.24
26 51 13 00-0153 EA 1 T8 Lamp, 3' Length, Striplight Fluorescent Fixture.....	108.61	21.35
26 51 13 00-0154 EA 1 T8 Lamp, 4' Length, Striplight Fluorescent Fixture.....	110.96	23.47
26 51 13 00-0155 EA 1 T8 Lamp, 8' Length, Striplight Fluorescent Fixture.....	131.63	25.40
26 51 13 00-0156 2 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 13 00-0149)</small>		
26 51 13 00-0157 EA 2 T8 Lamps, 2' Length, Striplight Fluorescent Fixture.....	110.93	21.35
26 51 13 00-0158 EA 2 T8 Lamps, 3' Length, Striplight Fluorescent Fixture.....	115.21	23.47
26 51 13 00-0159 EA 2 T8 Lamps, 4' Length, Striplight Fluorescent Fixture.....	116.71	25.65



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0160 3 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 13 00-0149)</small>		
26 51 13 00-0161 EA 3 T8 Lamps, 2' Length, Striplight Fluorescent Fixture.....	156.04	21.35
26 51 13 00-0162 EA 3 T8 Lamps, 3' Length, Striplight Fluorescent Fixture.....	153.02	23.47
26 51 13 00-0163 EA 3 T8 Lamps, 4' Length, Striplight Fluorescent Fixture.....	153.67	25.65
26 51 13 00-0164 Display Case Fluorescent Fixtures <small>(26 51 13 00-0149)</small>		
26 51 13 00-0165 EA 1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W)	68.61	21.05
26 51 13 00-0166 EA 1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W).....	86.18	21.05
26 51 13 00-0167 EA 1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W).....	93.40	24.55
26 51 13 00-0168 EA 1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W).....	94.96	24.55
26 51 13 00-0169 Industrial Fluorescent Fixtures <small>(26 51 13 00-0029)</small>		
26 51 13 00-0170 1 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 13 00-0169)</small>		
26 51 13 00-0171 EA 1 T8 Lamp, 2' Length, Industrial Fluorescent Fixture.....	125.49	19.24
26 51 13 00-0172 EA 1 T8 Lamp, 4' Length, Industrial Fluorescent Fixture.....	133.50	23.47
26 51 13 00-0173 EA 1 T8 Lamp, 8' Length, Industrial Fluorescent Fixture.....	236.12	29.88
26 51 13 00-0174 2 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 13 00-0169)</small>		
26 51 13 00-0175 EA 2 T8 Lamps, 2' Length, Industrial Fluorescent Fixture.....	131.56	21.35
26 51 13 00-0176 EA 2 T8 Lamps, 4' Length, Industrial Fluorescent Fixture.....	139.27	25.65
26 51 13 00-0177 EA 2 T8 Lamps, 8' Length, Industrial Fluorescent Fixture.....	241.22	29.88
26 51 13 00-0178 3 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 13 00-0169)</small>		
26 51 13 00-0179 EA 3 T8 Lamps, 2' Length, Industrial Fluorescent Fixture.....	137.37	21.35
26 51 13 00-0180 EA 3 T8 Lamps, 4' Length, Industrial Fluorescent Fixture.....	144.04	25.65
26 51 13 00-0181 EA 3 T8 Lamps, 8' Length, Industrial Fluorescent Fixture.....	212.92	29.88
26 51 13 00-0182 4 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 13 00-0169)</small>		
26 51 13 00-0183 EA 4 T8 Lamps, 4' Length, Industrial Fluorescent Fixture.....	191.69	25.65
26 51 13 00-0184 EA 4 T8 Lamps, 8' Length, Industrial Fluorescent Fixture.....	276.98	29.88
26 51 13 00-0185 Flanged Fluorescent Fixture <small>(26 51 13 00-0029)</small>		
Note: For plaster or drywall application. With electronic ballast.		
26 51 13 00-0186 EA 2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture.....	188.03	38.48
26 51 13 00-0187 EA 3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture.....	220.06	38.48
26 51 13 00-0188 EA 4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture.....	222.61	38.48
26 51 13 00-0189 Undercabinet Fluorescent Fixtures <small>(26 51 13 00-0029)</small>		
26 51 13 00-0190 EA 1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture.....	69.74	17.31
26 51 13 00-0191 EA 1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture.....	81.81	21.16
26 51 13 00-0192 EA 2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture.....	80.69	21.16
26 51 13 00-0193 EA 1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture.....	95.98	23.09
26 51 13 00-0194 EA 2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture.....	111.64	26.93
26 51 13 00-0195 Surface Mounted, T5HO Fluorescent Fixture <small>(26 51 13 00-0029)</small>		
Note: For 8' fixture, use two (2) 4' fixtures		
26 51 13 00-0196 EA 1 T5HO Lamp, 60 W, 4' Length, Surface Mounted, Fluorescent Fixture.....	282.79	29.88
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
For Gasketed/Wet Location, Add	57.75	
26 51 13 00-0197 EA 2 T5HO Lamps, 120 W, 4' Length, Surface Mounted, Fluorescent Fixture.....	234.60	29.88
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
For Gasketed/Wet Location, Add	57.75	
26 51 13 00-0198 EA 3 T5HO Lamps, 182 W, 4' Length, Surface Mounted, Fluorescent Fixture.....	246.85	29.88
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
For Gasketed/Wet Location, Add	57.75	
26 51 13 00-0199 EA 4 T5HO Lamps, 240 W, 4' Length, Surface Mounted, Fluorescent Fixture.....	286.24	29.88
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
For Gasketed/Wet Location, Add	57.75	

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0200 EA 6 T5HO Lamps, 358 W, 4' Length, Surface Mounted, Fluorescent Fixture.....	367.59	29.88
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
For Gasketed/Wet Location, Add	57.75	
26 51 13 00-0201 Corner Mounted, Fluorescent Fixtures (26 51 13 00-0209)		
Note: Includes acrylic drop dish diffuser.		
26 51 13 00-0202 2' Length, Corner Mounted, Fluorescent Fixtures (26 51 13 00-0201)		
26 51 13 00-0203 EA 1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture.....	123.22	19.24
26 51 13 00-0204 EA 2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture.....	137.08	19.24
26 51 13 00-0205 3' Length, Corner Mounted, Fluorescent Fixtures (26 51 13 00-0201)		
26 51 13 00-0206 EA 1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture.....	140.17	20.20
26 51 13 00-0207 EA 2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture.....	153.45	20.20
26 51 13 00-0208 4' Length, Corner Mounted, Fluorescent Fixtures (26 51 13 00-0201)		
26 51 13 00-0209 EA 1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture.....	137.67	21.16
26 51 13 00-0210 EA 2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture.....	150.61	21.16
26 51 13 00-0211 Wall Bracket, Fluorescent Fixtures (26 51 13 00-0209)		
26 51 13 00-0212 Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 13 00-0211)		
Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
26 51 13 00-0213 2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 13 00-0212)		
26 51 13 00-0214 EA 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	207.44	32.27
26 51 13 00-0215 EA 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	209.88	32.27
26 51 13 00-0216 3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 13 00-0212)		
26 51 13 00-0217 EA 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	289.68	32.27
26 51 13 00-0218 EA 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	293.09	32.27
26 51 13 00-0219 4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 13 00-0212)		
26 51 13 00-0220 EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	303.78	32.27
26 51 13 00-0221 EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	306.22	32.27
26 51 13 00-0222 Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 13 00-0211)		
Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 13 00-0223 2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 13 00-0222)		
26 51 13 00-0224 EA 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	336.24	32.27
26 51 13 00-0225 EA 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	338.68	32.27
26 51 13 00-0226 3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 13 00-0222)		
26 51 13 00-0227 EA 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	263.83	32.27
26 51 13 00-0228 EA 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	267.23	32.27
26 51 13 00-0229 4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 13 00-0222)		
26 51 13 00-0230 EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	304.86	32.27
26 51 13 00-0231 EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	307.30	32.27
26 51 13 00-0232 Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 13 00-0211)		
Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 13 00-0233 2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 13 00-0232)		
26 51 13 00-0234 EA 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	195.47	32.27
26 51 13 00-0235 EA 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	197.91	32.27
26 51 13 00-0236 3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 13 00-0232)		
26 51 13 00-0237 EA 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	196.44	32.27
26 51 13 00-0238 EA 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	199.85	32.27
26 51 13 00-0239 4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 13 00-0232)		
26 51 13 00-0240 EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	186.30	32.27
26 51 13 00-0241 EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	188.74	32.27



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0242 Low Occupancy, Industrial Fluorescent Fixtures <small>(26 51 13 00-0029)</small>		
26 51 13 00-0243 EA 1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	284.63	23.47
26 51 13 00-0244 EA 2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	287.84	25.65
26 51 13 00-0245 Surface Mounted, Fluorescent Fixtures, Architectural <small>(26 51 13 00-0029)</small>		
26 51 13 00-0246 8-1/2" x 4' Surface Mounted Architectural Fluorescent Fixtures <small>(26 51 13 00-0245)</small>		
26 51 13 00-0247 EA 8-1/2" x 4' Surface Mounted Architectural Fluorescent Fixture, 1 54 Watt T5 HO Lamp Note: With electronic ballast.	225.32	23.47
26 51 13 00-0248 Accessories And Modifiers For Fluorescent Fixtures <small>(26 51 13 00-0029)</small>		
26 51 13 00-0249 Lens Modifications <small>(26 51 13 00-0248)</small>		
26 51 13 00-0250 EA For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	18.84	
26 51 13 00-0251 EA For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	23.27	
26 51 13 00-0252 EA For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	24.38	
26 51 13 00-0253 EA For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	26.60	
26 51 13 00-0254 EA For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	32.14	
26 51 13 00-0255 EA For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	7.76	
26 51 13 00-0256 EA For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	11.08	
26 51 13 00-0257 EA For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	12.19	
26 51 13 00-0258 EA For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	14.41	
26 51 13 00-0259 Pendant Mounting Modifications <small>(26 51 13 00-0248)</small>		
Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 13 00-0260 EA For Pendant Mounting Up to 1'-6" Long Section..... Note: Per pendant.	8.42	
26 51 13 00-0261 EA For Pendant Mounting 2' Long Section..... Note: Per pendant.	9.75	
26 51 13 00-0262 EA For Pendant Mounting 3' Long Section..... Note: Per pendant.	12.48	
26 51 13 00-0263 EA For Pendant Mounting 4' Long Section..... Note: Per pendant.	14.74	
26 51 13 00-0264 EA For Pendant Mounting 6' Long Section..... Note: Per pendant.	18.62	
26 51 13 00-0265 EA For Pendant Mounting 8' Long Section..... Note: Per pendant.	25.27	
26 51 13 00-0266 Fluorescent Light Accessories <small>(26 51 13 00-0248)</small>		
26 51 13 00-0267 EA Blank Metal Light Box Plate.....	14.01	
26 51 13 00-0268 EA Factory Installed Fixture Mounted Occupancy Sensor	85.33	
26 51 13 00-0269 Wire Guards <small>(26 51 13 00-0248)</small>		
26 51 13 00-0270 EA Wire Guard for 6" x 2' Fixture.....	36.66	3.52
26 51 13 00-0271 EA Wire Guard for 6" x 4' Fixture.....	51.53	5.63
26 51 13 00-0272 EA Wire Guard for 1" x 2' Fixture.....	40.92	3.87
26 51 13 00-0273 EA Wire Guard for 1" x 4' Fixture.....	58.16	5.98
26 51 13 00-0274 EA Wire Guard for 2" x 2' Fixture.....	49.92	4.22
26 51 13 00-0275 EA Wire Guard for 2" x 4' Fixture.....	68.35	6.33
26 51 13 00-0276 LED Fixtures <small>(26 51 13)</small>		
26 51 13 00-0277 Undercabinet LED Fixtures <small>(26 51 13 00-0276)</small>		
26 51 13 00-0278 EA 12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6)	109.00	17.31
26 51 13 00-0279 EA 18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6)	139.31	21.16
26 51 13 00-0280 EA 24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6)	157.50	21.16
26 51 13 00-0281 Striplight LED Fixtures <small>(26 51 13 00-0276)</small>		
26 51 13 00-0282 Striplight LED Fixtures <small>(26 51 13 00-0281)</small>		
26 51 13 00-0283 EA 2' Length, 3,000 Lumens, LED Striplight Fixture (Lithonia ZL1).....	225.80	19.24
26 51 13 00-0284 EA 4' Length, 2,800 Lumens, LED Striplight Fixture (Lithonia ZL1).....	232.22	23.47
26 51 13 00-0285 EA 2' Length, 1,400 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2).....	220.93	19.24
For >100 To 500, Deduct	-11.05	
For >500, Deduct	-22.09	
26 51 13 00-0286 EA 4' Length, 2,300 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2).....	227.35	23.47
For >100 To 500, Deduct	-11.37	
For >500, Deduct	-22.74	
26 51 13 00-0287 EA 4' Length, 4,600 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2).....	295.23	23.47
For >100 To 500, Deduct	-14.76	
For >500, Deduct	-29.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0288 Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0276)</small>		
26 51 13 00-0289 Prismatic Lensed, Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0288)</small>		
26 51 13 00-0290 Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 13 00-0289)</small>		
26 51 13 00-0291 EA 4,300 Lumens, 1' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4)	393.16	29.88
For Drywall Or Plaster Ceilings, Add	20.20	
26 51 13 00-0292 EA 3,300 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2)	311.39	25.65
For Drywall Or Plaster Ceilings, Add	17.32	
26 51 13 00-0293 EA 4,600 Lumens, 2' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4)	377.64	29.88
For Drywall Or Plaster Ceilings, Add	20.20	
26 51 13 00-0294 Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera) <small>(26 51 13 00-0289)</small>		
26 51 13 00-0295 EA 3,200 Lumens, 1' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4)	440.71	29.88
26 51 13 00-0296 EA 3,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5)	304.01	25.65
26 51 13 00-0297 EA 4,175 Lumens, 2' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4)	396.15	29.88
26 51 13 00-0298 Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED) <small>(26 51 13 00-0289)</small>		
26 51 13 00-0299 EA 2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	201.23	25.65
26 51 13 00-0300 EA 3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	222.23	25.65
26 51 13 00-0301 EA 3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40)	189.68	25.65
26 51 13 00-0302 EA 4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45)	189.68	25.65
26 51 13 00-0303 EA 4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50)	203.33	25.65
26 51 13 00-0304 Volumetric, Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0288)</small>		
26 51 13 00-0305 Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 13 00-0304)</small>		
26 51 13 00-0306 EA 2,500 Lumens, 1' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	389.43	23.28
For Drywall Or Plaster Ceilings, Add	15.88	
26 51 13 00-0307 EA 2,400 Lumens, 2' x 2', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	336.32	25.65
For Drywall Or Plaster Ceilings, Add	17.32	
26 51 13 00-0308 EA 3,300 Lumens, 2' x 2', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	343.50	25.65
For Drywall Or Plaster Ceilings, Add	17.32	
26 51 13 00-0309 EA 4,000 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	374.48	29.88
For Drywall Or Plaster Ceilings, Add	20.20	
26 51 13 00-0310 EA 4,800 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	399.04	29.88
For Drywall Or Plaster Ceilings, Add	20.20	
26 51 13 00-0311 EA 2,400 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4)	315.58	29.88
For Drywall Or Plaster Ceilings, Add	20.20	
26 51 13 00-0312 EA 4,000 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4)	315.58	29.88
For Drywall Or Plaster Ceilings, Add	20.20	
26 51 13 00-0313 Architectural, Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0288)</small>		
26 51 13 00-0314 Architectural, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 13 00-0313)</small>		
Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 13 00-0315 EA 2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	352.98	29.88
For Drywall Or Plaster Ceilings, Add	20.20	
26 51 13 00-0316 EA 4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	422.25	29.88
For Drywall Or Plaster Ceilings, Add	20.20	
26 51 13 00-0317 EA 6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	484.59	29.88
For Drywall Or Plaster Ceilings, Add	20.20	
26 51 13 00-0318 Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series) <small>(26 51 13 00-0313)</small>		
Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 13 00-0319 EA 2,200 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	283.67	29.88
For Expanded Size Junction Box For Through Wiring, Add	2.94	
For Drywall Or Plaster Ceilings, Add	84.79	
For Surface Mount, Add	149.68	
26 51 13 00-0320 EA 3,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	307.14	29.88
For Expanded Size Junction Box For Through Wiring, Add	2.94	
For Drywall Or Plaster Ceilings, Add	84.79	
For Surface Mount, Add	149.68	
26 51 13 00-0321 EA 4,000 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	307.14	29.88
For Expanded Size Junction Box For Through Wiring, Add	2.94	
For Drywall Or Plaster Ceilings, Add	84.79	
For Surface Mount, Add	149.68	
26 51 13 00-0322 EA 5,000 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	341.72	29.88
For Expanded Size Junction Box For Through Wiring, Add	2.94	
For Drywall Or Plaster Ceilings, Add	84.79	
For Surface Mount, Add	149.68	
26 51 13 00-0323 EA 2,000 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture (Cree® CR22™)	252.55	25.65
For Expanded Size Junction Box For Through Wiring, Add	2.94	
For Drywall Or Plaster Ceilings, Add	74.18	
For Surface Mount, Add	141.05	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0324 EA 3,200 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture (Cree® CR22™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	248.84 2.94 74.18 141.05	25.65
26 51 13 00-0325 EA 3,200 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture (CREE® AR22™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	249.28 2.94 74.18 141.05	25.65
26 51 13 00-0326 EA 3,200 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture With Step Dimming (CREE® AR22™)..... <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	274.48 2.94 74.18 141.05	25.65
26 51 13 00-0327 EA 2,200 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR24™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	283.67 2.94 86.89 163.33	29.88
26 51 13 00-0328 EA 3,100 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR24™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	307.14 2.94 86.89 163.33	29.88
26 51 13 00-0329 EA 4,000 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR24™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	307.14 2.94 86.89 163.33	29.88
26 51 13 00-0330 EA 4,000 Lumens, High Efficiency, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (CREE® CR24™)..... <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	394.84 2.94 86.89 163.33	29.88
26 51 13 00-0331 EA 5,000 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR24™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	341.72 2.94 86.89 163.33	29.88
26 51 13 00-0332 Architectural, Lay-In/Troffer LED Fixtures (Metalux®) (26 51 13 00-0313) Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.		
26 51 13 00-0333 EA 2,500 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC).....	260.40	25.65
26 51 13 00-0334 EA 4,700 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC).....	350.55	29.88
26 51 13 00-0335 Shadow Box Style, Lay-In/Troffer LED Fixtures (26 51 13 00-0288)		
26 51 13 00-0336 Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL) (26 51 13 00-0335)		
26 51 13 00-0337 EA 3,300 Lumens, 2' x 2', Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2)..... <i>For Drywall Or Plaster Ceilings, Add</i>	318.49 17.32	25.65
26 51 13 00-0338 EA 4,600 Lumens, 2' x 4', Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4)..... <i>For Drywall Or Plaster Ceilings, Add</i>	434.50 20.20	29.88
26 51 13 00-0339 Panel Type, Lay-In/Troffer LED Fixtures (26 51 13 00-0288)		
26 51 13 00-0340 Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy) (26 51 13 00-0339)		
26 51 13 00-0341 EA 3,100 Lumens, 1' x 4', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34)	220.87	29.88
26 51 13 00-0342 EA 3,100 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34)	222.89	25.65
26 51 13 00-0343 EA 4,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40)	285.15	29.88
26 51 13 00-0344 EA 5,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52)	285.15	29.88
26 51 13 00-0345 Surface Mount LED Fixtures (26 51 13 00-0276)		
26 51 13 00-0346 Surface Mount, Volumetric LED Fixtures (26 51 13 00-0345)		
26 51 13 00-0347 EA 2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2)	316.17	19.24
26 51 13 00-0348 EA 4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	360.28	23.47
26 51 13 00-0349 Surface Mount, Wraparound LED Fixtures (26 51 13 00-0345)		
26 51 13 00-0350 EA 2' Length, 3,500 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2).....	178.52	23.47
26 51 13 00-0351 EA 4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4).....	181.84	23.47
26 51 13 00-0352 Surface Mount, Shadow Box Style LED Fixtures (26 51 13 00-0345)		
26 51 13 00-0353 Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) (26 51 13 00-0352)		
26 51 13 00-0354 EA 3,300 Lumens, 2' x 2', Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2)	408.06	25.65
26 51 13 00-0355 EA 4,600 Lumens, 2' x 4', Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4)	524.07	29.88
26 51 13 00-0356 Recessed LED Downlights (26 51 13 00-0276)		
26 51 13 00-0357 Recessed LED Downlights (26 51 13 00-0356)		
26 51 13 00-0358 Recessed LED Downlights (Lithonia) (26 51 13 00-0357) Note: Includes housing and trim.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0359 EA 1,200 Lumens, 8" Diameter, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	351.61	30.86
<i>For Dimming Driver And Sensor Switch nLight Dimming Relay, Add</i>	<i>80.81</i>	
26 51 13 00-0360 EA 1,500 Lumens, 8" Diameter, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	386.25	30.86
<i>For Dimming Driver And Sensor Switch nLight Dimming Relay, Add</i>	<i>80.81</i>	
26 51 13 00-0361 Recessed LED Downlights (Portfolio®) (26 51 13 00-0357)		
Note: Includes housing and trim.		
26 51 13 00-0362 EA 1,300 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Portfolio® LD413)	204.31	30.86
26 51 13 00-0363 Recessed LED Downlights (Gotham® EVO®) (26 51 13 00-0357)		
Note: Includes housing and trim.		
26 51 13 00-0364 EA 1,800 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED).....	311.43	30.86
26 51 13 00-0365 EA 1,800 Lumens, 6" Diameter, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED).....	323.68	30.86
26 51 13 00-0366 EA 1,800 Lumens, 6" Diameter, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED)	373.92	30.86
26 51 13 00-0367 EA 1,800 Lumens, 6" Diameter, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED).....	378.83	30.86
26 51 13 00-0368 EA 1,800 Lumens, 6" Diameter, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED)	421.72	30.86
26 51 13 00-0369 Recessed LED Downlights (Lightolier) (26 51 13 00-0357)		
Note: Includes housing and trim.		
26 51 13 00-0370 EA 500 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Lightolier C4L05DL).....	306.58	30.86
26 51 13 00-0371 EA 1,000 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Lightolier C4L10DL).....	359.20	30.86
26 51 13 00-0372 EA 1,500 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	385.45	30.86
26 51 13 00-0373 EA 2,000 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	385.45	30.86
26 51 13 00-0374 EA 1,500 Lumens, 7" Diameter, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	398.63	30.86
26 51 13 00-0375 EA 2,000 Lumens, 7" Diameter, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	411.83	30.86
26 51 13 00-0376 Recessed LED Downlight Retrofits And Trim (CREE®) (26 51 13 00-0356)		
26 51 13 00-0377 Recessed LED Downlight Retrofits (CREE®) (26 51 13 00-0376)		
Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.		
26 51 13 00-0378 EA 575 Lumens, 4" Diameter, Recessed LED Downlight Retrofit (Cree® CR4-575L)	49.22	
26 51 13 00-0379 EA 625 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (Cree® CR6-625L)	41.80	
26 51 13 00-0380 EA 800 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (Cree® CR6-800L)	56.63	
26 51 13 00-0381 EA 650 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (Cree® LR6C-277)	65.27	
26 51 13 00-0382 EA 1,000 Lumens, Deep Recess, 6" Diameter, Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR).....	72.68	
26 51 13 00-0383 Recessed LED Downlight Retrofits Trim (CREE®) (26 51 13 00-0376)		
Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.		
26 51 13 00-0384 EA 6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX).....	22.87	4.91
26 51 13 00-0385 EA 6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP).....	27.81	4.91
26 51 13 00-0386 EA 6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB).....	24.11	4.91
26 51 13 00-0387 Recessed LED Downlight Fixture Housings (CREE®) (26 51 13 00-0376)		
Note: Excludes lamp and trim.		
26 51 13 00-0388 EA 6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6)	61.21	21.05
26 51 13 00-0389 EA 6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6).....	43.91	21.05
26 51 13 00-0390 Can Retrofit Or Surface Mount, LED Downlights (26 51 13 00-0356)		
26 51 13 00-0391 EA 15 Watt, 6" Diameter, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6)	80.94	19.24
26 51 13 00-0392 EA 7 Watt, 4" Diameter, Can Retrofit, LED Downlight (Green Creative 01-811-D).....	60.70	19.24
26 51 13 00-0393 EA 9.5 Watt, 6" Diameter, Can Retrofit, LED Downlight (Green Creative 01-808-D).....	60.70	19.24
26 51 13 00-0394 EA 8.9 Watt, 6" Diameter, Can Retrofit, LED Downlight (Lithonia 6BP)	72.63	19.24
<i>For Recessed IC/Non-IC Rated Housing For New Construction, Add</i>	<i>26.93</i>	
26 51 13 00-0395 Wall Mount LED Cylinder Downlight (26 51 13 00-0276)		
26 51 13 00-0396 EA 2,200 Lumens, 9" Diameter, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9).....	435.03	29.88
26 51 13 00-0397 Concealed Continuous LED Fixtures (26 51 13 00-0276)		
26 51 13 00-0398 Concealed Continuous LED Fixtures (Fraqtir™ S301) (26 51 13 00-0397)		
26 51 13 00-0399 LF Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301)	359.59	3.21
26 51 13 00-0400 LF Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301).....	409.91	3.21
26 51 13 00-0401 LED Low Bay Fixtures (26 51 13 00-0276)		
26 51 13 00-0402 LED Linear Low Bay Fixtures (PlanLED) (26 51 13 00-0401)		



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0403 EA 4' Length, 23 System Watts, LED Linear Low Bay Fixture (PlanLED A1W4)	190.12	38.48
26 51 13 00-0404 EA 4' Length, 42 System Watts, LED Linear Low Bay Fixture (PlanLED A2W4A)	255.22	38.48
26 51 13 00-0405 EA 8' Length, 84 System Watts, LED Linear Low Bay Fixture (PlanLED A2W5A)	421.41	48.10
26 51 13 00-0406 LED Linear Low Bay Fixtures (CREE® CS) (26 51 13 00-0401) Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.		
26 51 13 00-0407 EA 4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™).....	402.95	38.48
26 51 13 00-0408 EA 7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	501.75	48.10
26 51 13 00-0409 EA 8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	638.87	48.10
26 51 13 00-0410 LED Linear Low Bay Fixtures (Lithonia MSL) (26 51 13 00-0401) Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 13 00-0411 EA 4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL).....	494.37	38.48
26 51 13 00-0412 Wet/Hazardous Location, LED Fixtures (26 51 13 00-0276)		
26 51 13 00-0413 Wet Location, LED Fixtures (26 51 13 00-0412)		
26 51 13 00-0414 Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) (26 51 13 00-0413) Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0415 EA 47 System Watts, 3,240 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L).....	1,088.13	53.86
For Ceiling Mount, Add	155.14	
For Quick Clip Mounting Option, Add	19.46	
For Frosted Lens, Add	41.85	
For Warm White Color Rendering, Add	56.05	
For Stanchion Mount, Add	207.46	
For Wall Mount, Add	214.02	
For Polycarbonate Lens, Add	80.69	
For Teflon Coated Lens, Add	88.81	
For 347 Or 480 Volt AC, Add	122.21	
26 51 13 00-0416 EA 63 System Watts, 3,778 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L).....	1,139.36	57.72
For Ceiling Mount, Add	155.14	
For Quick Clip Mounting Option, Add	19.46	
For Frosted Lens, Add	41.85	
For Warm White Color Rendering, Add	56.05	
For Stanchion Mount, Add	207.46	
For Wall Mount, Add	214.02	
For Polycarbonate Lens, Add	80.69	
For Teflon Coated Lens, Add	88.81	
For 347 Or 480 Volt AC, Add	122.21	
26 51 13 00-0417 EA 98 System Watts, 6,340 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L).....	1,282.08	61.57
For Ceiling Mount, Add	155.14	
For Quick Clip Mounting Option, Add	19.46	
For Frosted Lens, Add	41.85	
For Warm White Color Rendering, Add	56.05	
For Stanchion Mount, Add	207.46	
For Wall Mount, Add	214.02	
For Polycarbonate Lens, Add	80.69	
For Teflon Coated Lens, Add	88.81	
For 347 Or 480 Volt AC, Add	122.21	
26 51 13 00-0418 EA 98 System Watts, 6,340 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L).....	1,586.12	65.41
For Ceiling Mount, Add	155.14	
For Quick Clip Mounting Option, Add	19.46	
For Frosted Lens, Add	41.85	
For Warm White Color Rendering, Add	56.05	
For Stanchion Mount, Add	207.46	
For Wall Mount, Add	214.02	
For Polycarbonate Lens, Add	80.69	
For Teflon Coated Lens, Add	88.81	
For 347 Or 480 Volt AC, Add	122.21	
26 51 13 00-0419 EA 137 System Watts, 9,720 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	1,853.51	69.26
For Ceiling Mount, Add	155.14	
For Quick Clip Mounting Option, Add	19.46	
For Frosted Lens, Add	41.85	
For Warm White Color Rendering, Add	56.05	
For Stanchion Mount, Add	207.46	
For Wall Mount, Add	214.02	
For Polycarbonate Lens, Add	80.69	
For Teflon Coated Lens, Add	88.81	
For 347 Or 480 Volt AC, Add	122.21	

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0420			Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) <small>(26 51 13 00-0413)</small> Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0421	EA		64 System Watts, 3,160 Lumens, Yoke Mount, Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM5L).....	1,178.43	57.72
			<i>For Bolt-On Visor, Add</i>	30.60	
			<i>For Bolt-On Wire Guard, Add</i>	56.05	
			<i>For Factory Installed Fuse, Add</i>	78.83	
			<i>For 347 Or 480 Volt AC, Add</i>	122.21	
			<i>For Warm White Color Rendering, Add</i>	124.87	
26 51 13 00-0422	EA		94 System Watts, 4,740 Lumens, Yoke Mount, Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM7L).....	1,464.70	61.57
			<i>For Bolt-On Visor, Add</i>	30.60	
			<i>For Bolt-On Wire Guard, Add</i>	56.05	
			<i>For Factory Installed Fuse, Add</i>	78.83	
			<i>For 347 Or 480 Volt AC, Add</i>	122.21	
			<i>For Warm White Color Rendering, Add</i>	124.87	
26 51 13 00-0423	EA		126 System Watts, 6,320 Lumens, Yoke Mount, Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM9L).....	1,614.07	65.41
			<i>For Bolt-On Visor, Add</i>	30.60	
			<i>For Bolt-On Wire Guard, Add</i>	56.05	
			<i>For Factory Installed Fuse, Add</i>	78.83	
			<i>For 347 Or 480 Volt AC, Add</i>	122.21	
			<i>For Warm White Color Rendering, Add</i>	124.87	
26 51 13 00-0424	EA		188 System Watts, 9,481 Lumens, Yoke Mount, Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM11L).....	1,851.02	69.26
			<i>For Bolt-On Visor, Add</i>	30.60	
			<i>For Bolt-On Wire Guard, Add</i>	56.05	
			<i>For Factory Installed Fuse, Add</i>	78.83	
			<i>For 347 Or 480 Volt AC, Add</i>	122.21	
			<i>For Warm White Color Rendering, Add</i>	124.87	
26 51 13 00-0425			Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) <small>(26 51 13 00-0413)</small> Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0426	EA		25 System Watts, 1,400 Lumens, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC).....	693.87	53.86
			<i>For 12/24 Volt DC Driver, Add</i>	23.64	
			<i>For Frosted Lens, Add</i>	26.63	
			<i>For 55 Degree Ambient Suitability (AC Only), Add</i>	32.18	
			<i>For Warm White Color Rendering, Add</i>	37.67	
			<i>For Ceiling Mount, Add</i>	139.70	
			<i>For Wall Mount, Add</i>	163.05	
			<i>For Teflon Coated Lens, Add</i>	102.13	
			<i>For Wall Mount With Junction Box, Add</i>	197.12	
26 51 13 00-0427			Class I Division 2, Hazardous Location, LED Fixtures <small>(26 51 13 00-0412)</small>		
26 51 13 00-0428			Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) <small>(26 51 13 00-0427)</small> Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0429	EA		64 System Watts, 3,160 Lumens, Yoke Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV5L).....	1,352.24	57.72
			<i>For Bolt-On Visor, Add</i>	35.19	
			<i>For Bolt-On Wire Guard, Add</i>	64.45	
			<i>For Factory Installed Fuse, Add</i>	78.83	
			<i>For 347 Or 480 Volt AC, Add</i>	122.21	
			<i>For Warm White Color Rendering, Add</i>	124.87	
26 51 13 00-0430	EA		94 System Watts, 4,740 Lumens, Yoke Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV7L).....	1,655.27	61.57
			<i>For Bolt-On Visor, Add</i>	35.19	
			<i>For Bolt-On Wire Guard, Add</i>	64.45	
			<i>For Factory Installed Fuse, Add</i>	78.83	
			<i>For 347 Or 480 Volt AC, Add</i>	122.21	
			<i>For Warm White Color Rendering, Add</i>	124.87	
26 51 13 00-0431	EA		126 System Watts, 6,320 Lumens, Yoke Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV9L).....	1,869.32	65.41
			<i>For Bolt-On Visor, Add</i>	35.19	
			<i>For Bolt-On Wire Guard, Add</i>	64.45	
			<i>For Factory Installed Fuse, Add</i>	78.83	
			<i>For 347 Or 480 Volt AC, Add</i>	122.21	
			<i>For Warm White Color Rendering, Add</i>	124.87	
26 51 13 00-0432	EA		188 System Watts, 9,481 Lumens, Yoke Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV11L).....	2,089.29	69.26
			<i>For Bolt-On Visor, Add</i>	35.19	
			<i>For Bolt-On Wire Guard, Add</i>	64.45	
			<i>For Factory Installed Fuse, Add</i>	78.83	
			<i>For 347 Or 480 Volt AC, Add</i>	122.21	
			<i>For Warm White Color Rendering, Add</i>	124.87	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0433 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) <small>(26 51 13 00-0427)</small> Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0434 EA 25 System Watts, 1,600 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC)	823.12	53.86
<i>For 12/24 Volt DC Driver, Add</i>	20.56	
<i>For Frosted Lens, Add</i>	23.16	
<i>For Warm White Color Temperature LEDs, Add</i>	27.98	
<i>For 55 Degree Ambient Suitability (AC Only) Option, Add</i>	32.75	
<i>For Stanchion Mount, Add</i>	144.21	
<i>For Ceiling Mount, Add</i>	161.41	
<i>For Wall Mount, Add</i>	185.92	
<i>For Teflon Coated Lens, Add</i>	88.81	
<i>For Wall Mount With Junction Box, Add</i>	221.71	
26 51 13 00-0435 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) <small>(26 51 13 00-0427)</small> Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0436 EA 47 System Watts, 3,240 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L)	1,236.95	53.86
<i>For Ceiling Mount, Add</i>	178.76	
<i>For Quick Clip Mounting Option, Add</i>	19.46	
<i>For Frosted Lens, Add</i>	48.13	
<i>For Warm White Color Rendering, Add</i>	56.05	
<i>For Polycarbonate Lens, Add</i>	80.69	
<i>For 347 Or 480 Volt AC, Add</i>	122.21	
26 51 13 00-0437 EA 63 System Watts, 3,778 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L)	1,369.85	57.72
<i>For Ceiling Mount, Add</i>	178.76	
<i>For Quick Clip Mounting Option, Add</i>	19.46	
<i>For Frosted Lens, Add</i>	48.13	
<i>For Warm White Color Rendering, Add</i>	56.05	
<i>For Polycarbonate Lens, Add</i>	80.69	
<i>For 347 Or 480 Volt AC, Add</i>	122.21	
26 51 13 00-0438 EA 98 System Watts, 6,340 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L)	1,641.37	61.57
<i>For Ceiling Mount, Add</i>	178.76	
<i>For Quick Clip Mounting Option, Add</i>	19.46	
<i>For Frosted Lens, Add</i>	48.13	
<i>For Warm White Color Rendering, Add</i>	56.05	
<i>For Polycarbonate Lens, Add</i>	80.69	
<i>For 347 Or 480 Volt AC, Add</i>	122.21	
26 51 13 00-0439 EA 98 System Watts, 6,340 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L)	1,996.91	65.41
<i>For Ceiling Mount, Add</i>	178.76	
<i>For Quick Clip Mounting Option, Add</i>	19.46	
<i>For Frosted Lens, Add</i>	48.13	
<i>For Warm White Color Rendering, Add</i>	56.05	
<i>For Polycarbonate Lens, Add</i>	80.69	
<i>For 347 Or 480 Volt AC, Add</i>	122.21	
26 51 13 00-0440 EA 137 System Watts, 9,720 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L)	2,249.99	69.26
<i>For Ceiling Mount, Add</i>	178.76	
<i>For Quick Clip Mounting Option, Add</i>	19.46	
<i>For Frosted Lens, Add</i>	48.13	
<i>For Warm White Color Rendering, Add</i>	56.05	
<i>For Polycarbonate Lens, Add</i>	80.69	
<i>For 347 Or 480 Volt AC, Add</i>	122.21	
26 51 13 00-0441 Class I Division 1, Explosion Proof, LED Fixtures <small>(26 51 13 00-0412)</small>		
26 51 13 00-0442 Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) <small>(26 51 13 00-0441)</small> Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0443 EA 80 System Watts, 5,625 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L)	1,795.15	57.72
<i>For Wall Mount, Deduct</i>	242.15	
<i>For Warm Color Temperature LEDs, Add</i>	53.38	
<i>For Stainless Steel Guard, Add</i>	325.31	
<i>For Ceiling Mount, Add</i>	338.44	
<i>For Stanchion Mount, Add</i>	382.07	
<i>For Yoke Mount, Add</i>	333.16	
26 51 13 00-0444 EA 100 System Watts, 6,750 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L)	2,181.10	61.57
<i>For Wall Mount, Deduct</i>	242.15	
<i>For Warm Color Temperature LEDs, Add</i>	53.38	
<i>For Stainless Steel Guard, Add</i>	325.31	
<i>For Ceiling Mount, Add</i>	338.44	
<i>For Stanchion Mount, Add</i>	382.07	
<i>For Yoke Mount, Add</i>	333.16	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0445	EA	130 System Watts, 9,000 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L).....	2,532.59	65.41
			<i>For Wall Mount, Deduct</i>	242.15	
			<i>For Warm Color Temperature LEDs, Add</i>	53.38	
			<i>For Stainless Steel Guard, Add</i>	325.31	
			<i>For Ceiling Mount, Add</i>	338.44	
			<i>For Stanchion Mount, Add</i>	382.07	
			<i>For Yoke Mount, Add</i>	333.16	
26 51	13 00-0446	EA	151 System Watts, 10,500 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L).....	2,890.52	69.26
			<i>For Wall Mount, Deduct</i>	242.15	
			<i>For Warm Color Temperature LEDs, Add</i>	53.38	
			<i>For Stainless Steel Guard, Add</i>	325.31	
			<i>For Ceiling Mount, Add</i>	338.44	
			<i>For Stanchion Mount, Add</i>	382.07	
			<i>For Yoke Mount, Add</i>	333.16	
26 51	13 00-0447	EA	175 System Watts, 13,500 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L).....	3,347.80	66.69
			<i>For Wall Mount, Deduct</i>	242.15	
			<i>For Warm Color Temperature LEDs, Add</i>	53.38	
			<i>For Stainless Steel Guard, Add</i>	325.31	
			<i>For Ceiling Mount, Add</i>	338.44	
			<i>For Stanchion Mount, Add</i>	382.07	
			<i>For Yoke Mount, Add</i>	333.16	
26 51	13 00-0448		Refrigeration/Display LED Fixtures (26 51 13 00-0276)		
26 51	13 00-0449		Refrigeration/Display LED Fixtures (Lithonia) (26 51 13 00-0448)		
			Note: Fixtures exclude driver.		
26 51	13 00-0450	EA	5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM DLC).....	253.52	29.88
26 51	13 00-0451	EA	5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC).....	317.60	52.91
26 51	13 00-0452	EA	Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL).....	314.59	42.33
26 51	13 00-0453		Recessed Fixtures (26 51 13)		
			Note: Housing and trim priced separately.		
26 51	13 00-0454		Recessed Fixture Housings (26 51 13 00-0453)		
			Note: Lamps included in all prices. The housing insulation must be 3" from housing. ICT may be covered with insulation. Remodel housing may be installed from below ceiling. ICAT housing is air tight. Demo cost of housing includes demo of any fixture trim.		
26 51	13 00-0455		Compact Fluorescent, Recessed Fixture Housings (26 51 13 00-0454)		
26 51	13 00-0456	EA	4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	78.21	20.06
			<i>For ICAT Housing, Add</i>	6.20	
26 51	13 00-0457	EA	5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	80.30	20.06
			<i>For ICAT Housing, Add</i>	6.47	
26 51	13 00-0458	EA	6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	83.38	21.05
			<i>For ICAT Housing, Add</i>	6.68	
26 51	13 00-0459	EA	7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	85.92	21.96
			<i>For ICAT Housing, Add</i>	6.83	
26 51	13 00-0460	EA	8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	88.79	22.87
			<i>For ICAT Housing, Add</i>	7.02	
26 51	13 00-0461	EA	10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	91.71	24.27
			<i>For ICAT Housing, Add</i>	7.12	
26 51	13 00-0462		Fluorescent, Recessed Fixture Housings (26 51 13 00-0454)		
26 51	13 00-0463	EA	4" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	69.09	20.06
			<i>For ICAT Housing, Add</i>	5.02	
26 51	13 00-0464	EA	5" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	71.21	20.06
			<i>For ICAT Housing, Add</i>	5.30	
26 51	13 00-0465	EA	6" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	74.22	20.98
			<i>For ICAT Housing, Add</i>	5.50	
26 51	13 00-0466	EA	7" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	77.96	21.75
			<i>For ICAT Housing, Add</i>	5.80	
26 51	13 00-0467	EA	8" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	81.26	22.87
			<i>For ICAT Housing, Add</i>	6.05	
26 51	13 00-0468	EA	10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing.....	84.34	24.27
			<i>For ICAT Housing, Add</i>	6.17	
26 51	13 00-0469		High Pressure Sodium, Recessed Fixture Housings (26 51 13 00-0454)		
26 51	13 00-0470	EA	4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing.....	81.22	20.20
			<i>For ICAT Housing, Add</i>	6.59	
26 51	13 00-0471	EA	5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing.....	84.63	20.20
			<i>For ICAT Housing, Add</i>	7.03	
26 51	13 00-0472	EA	6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing.....	88.87	21.05
			<i>For ICAT Housing, Add</i>	7.39	
26 51	13 00-0473	EA	7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing.....	92.14	21.96
			<i>For ICAT Housing, Add</i>	7.63	
26 51	13 00-0474	EA	8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing.....	95.37	22.87
			<i>For ICAT Housing, Add</i>	7.87	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0475 EA 10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	98.39 7.99	24.27
26 51 13 00-0476 Incandescent, Recessed Fixture Housings (26 51 13 00-0454)		
26 51 13 00-0477 EA 4" Round, Incandescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	45.20 1.94	20.06
26 51 13 00-0478 EA 5" Round, Incandescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	45.20 1.94	20.06
26 51 13 00-0479 EA 6" Round, Incandescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	47.91 2.11	21.05
26 51 13 00-0480 EA 7" Round, Incandescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	50.69 2.29	21.96
26 51 13 00-0481 EA 8" Round, Incandescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	53.48 2.47	22.87
26 51 13 00-0482 EA 10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	54.79 2.36	24.27
26 51 13 00-0483 Recessed Fixture Trim (26 51 13 00-0453)		
26 51 13 00-0484 EA Circular, Recessed Fixture Trim	33.34	9.82
26 51 13 00-0485 EA Circular Clear Lens, Recessed Fixture Trim	36.75	9.82
26 51 13 00-0486 EA Open/Baffle, Recessed Fixture Trim	42.66	9.82
26 51 13 00-0487 EA Specular Reflector, Recessed Fixture Trim	45.79	9.82
26 51 13 00-0488 EA Eyeball, Recessed Fixture Trim	36.80	9.82
26 51 13 00-0489 EA 10" To 12" Square, Clear Lens, Recessed Fixture Trim	34.97	9.82
26 51 13 00-0490 EA 10" To 12" Square, Drop Dish, Recessed Fixture Trim	37.07	9.82
26 51 13 00-0491 Recessed Mounted Box Type Fluorescent Fixtures, Direct/Indirect (26 51 13 00-0453)		
26 51 13 00-0492 2' x 2' Recessed Mounted Box Type Direct/Indirect (26 51 13 00-0491)		
26 51 13 00-0493 EA 2' x 2' Recessed Mounted Box Type Direct/Indirect, 3 T5 Lamps..... <i>Note: With electronic ballast.</i>	165.66	25.65
26 51 13 00-0494 Ceiling Mounted Fixtures (26 51 13)		
26 51 13 00-0495 Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures (26 51 13 00-0494)		
26 51 13 00-0496 Glass Globe, Compact Fluorescent/Incandescent Fixtures (26 51 13 00-0495)		
26 51 13 00-0497 EA 6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture	78.72	28.05
26 51 13 00-0498 EA 9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture.....	91.25	28.05
26 51 13 00-0499 Ceiling Mounted, Circline Fluorescent Fixtures (26 51 13 00-0494)		
26 51 13 00-0500 Exposed Lamps, Circline Fluorescent Fixtures (26 51 13 00-0499)		
26 51 13 00-0501 EA 8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	69.17	28.05
26 51 13 00-0502 EA 12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	75.26	28.05
26 51 13 00-0503 Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures (26 51 13 00-0499)		
26 51 13 00-0504 EA 11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	95.33	28.05
26 51 13 00-0505 EA 14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	129.82	28.05
26 51 13 00-0506 EA 19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	153.71	28.05
26 51 13 00-0507 EA 12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	106.50	28.05
26 51 13 00-0508 EA 15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	130.52	28.05
26 51 13 00-0509 EA 19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	153.71	28.05
26 51 13 00-0510 Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures (26 51 13 00-0494)		
26 51 13 00-0511 Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures (26 51 13 00-0510)		
26 51 13 00-0512 EA 11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	97.98	28.05
26 51 13 00-0513 EA 14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	121.61	28.05
26 51 13 00-0514 EA 19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	143.08	28.05
26 51 13 00-0515 EA 12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	80.30	28.05
26 51 13 00-0516 EA 15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	93.46	28.05
26 51 13 00-0517 EA 19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	118.39	28.05
26 51 13 00-0518 Pendant Mounted, Compact Fluorescent/Incandescent Downlights (26 51 13 00-0494)		
26 51 13 00-0519 Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights (26 51 13 00-0518)		
26 51 13 00-0520 EA 6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight.....	141.85	23.05



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 51 13 00-0521	Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle <small>(26 51 13 00-0518)</small>		
26 51 13 00-0522	EA 6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	160.92	23.05
26 51 13 00-0523	EA 8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	222.45	23.05
26 51 13 00-0524	Pendant Mounted, Horizontal Indirect Fluorescent Fixtures <small>(26 51 13 00-0494)</small>		
26 51 13 00-0525	EA 1 T5HO Lamp, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	158.86	23.05
26 51 13 00-0526	EA 2 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	170.85	23.05
26 51 13 00-0527	EA 3 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	205.40	23.05
26 51 13 00-0528	EA 2 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	210.85	23.05
26 51 13 00-0529	EA 4 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	255.34	23.05
26 51 13 00-0530	EA 6 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	307.02	23.05
26 51 13 00-0531	Finelite Fluorescent Fixtures <small>(26 51 13 00-0494)</small>		
26 51 13 00-0532	Pendant Mounted, Fluorescent Downlight Fixtures (Finelite Series 10) <small>(26 51 13 00-0531)</small>		
26 51 13 00-0533	EA 1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	261.88	32.69
	<i>For Dual Circuit, Add</i>	63.83	
26 51 13 00-0534	EA 2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	259.99	32.69
	<i>For Dual Circuit, Add</i>	63.27	
26 51 13 00-0535	EA 3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	280.32	32.69
	<i>For Dual Circuit, Add</i>	69.37	
26 51 13 00-0536	EA 1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	318.50	32.69
	<i>For Dual Circuit, Add</i>	80.82	
26 51 13 00-0537	EA 2 T5HO Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	351.00	32.69
	<i>For Dual Circuit, Add</i>	90.57	
26 51 13 00-0538	EA 3 T5HO Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	432.39	32.69
	<i>For Dual Circuit, Add</i>	114.99	
26 51 13 00-0539	EA 2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	372.49	34.09
	<i>For Dual Circuit, Add</i>	72.45	
26 51 13 00-0540	EA 4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	382.04	34.09
	<i>For Dual Circuit, Add</i>	74.60	
26 51 13 00-0541	EA 6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	422.69	34.09
	<i>For Dual Circuit, Add</i>	83.74	
26 51 13 00-0542	EA 2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	414.62	34.09
	<i>For Dual Circuit, Add</i>	81.93	
26 51 13 00-0543	EA 4 T5HO Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	524.06	34.09
	<i>For Dual Circuit, Add</i>	106.55	
26 51 13 00-0544	EA 6 T5HO Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	620.17	34.09
	<i>For Dual Circuit, Add</i>	128.18	
26 51 13 00-0545	EA 3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	492.00	35.49
	<i>For Dual Circuit, Add</i>	66.01	
26 51 13 00-0546	EA 6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	508.54	35.49
	<i>For Dual Circuit, Add</i>	68.49	
26 51 13 00-0547	EA 9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	560.64	35.49
	<i>For Dual Circuit, Add</i>	76.31	
26 51 13 00-0548	EA 3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	577.41	35.49
	<i>For Dual Circuit, Add</i>	78.83	
26 51 13 00-0549	EA 6 T5HO Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	719.35	35.49
	<i>For Dual Circuit, Add</i>	100.12	
26 51 13 00-0550	EA 9 T5HO Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	865.75	35.49
	<i>For Dual Circuit, Add</i>	122.08	
26 51 13 00-0551	Pendant Mounted, Fluorescent Wallwash Fixtures (Finelite Series X2-O) <small>(26 51 13 00-0531)</small>		
26 51 13 00-0552	EA 1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	244.90	32.69
	<i>For Dual Circuit, Add</i>	58.74	
26 51 13 00-0553	EA 1 T5 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	267.07	32.69
	<i>For Dual Circuit, Add</i>	65.39	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0554 EA 1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	269.18	32.69
For Dual Circuit, Add	66.02	
26 51 13 00-0555 EA 2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	356.85	34.09
For Dual Circuit, Add	68.93	
26 51 13 00-0556 EA 2 T5 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	383.19	34.09
For Dual Circuit, Add	74.86	
26 51 13 00-0557 EA 2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	387.42	34.09
For Dual Circuit, Add	75.81	
26 51 13 00-0558 EA 3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	468.81	35.49
For Dual Circuit, Add	62.54	
26 51 13 00-0559 EA 3 T5 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	535.32	35.49
For Dual Circuit, Add	72.51	
26 51 13 00-0560 EA 3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	541.67	35.49
For Dual Circuit, Add	73.46	
26 51 13 00-0561 Pendant Mounted, Fluorescent Indirect Fixtures (Finelite Series 8) (26 51 13 00-0531)		
26 51 13 00-0562 EA 1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-l).....	188.40	32.69
For Dual Circuit, Add	41.79	
26 51 13 00-0563 EA 2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-l).....	197.85	32.69
For Dual Circuit, Add	44.63	
26 51 13 00-0564 EA 3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-l).....	232.60	32.69
For Dual Circuit, Add	55.05	
26 51 13 00-0565 EA 2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-l).....	244.10	34.09
For Dual Circuit, Add	43.56	
26 51 13 00-0566 EA 4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-l).....	286.00	34.09
For Dual Circuit, Add	52.99	
26 51 13 00-0567 EA 6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-l).....	335.95	34.09
For Dual Circuit, Add	64.23	
26 51 13 00-0568 EA 3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-l).....	334.31	35.49
For Dual Circuit, Add	42.36	
26 51 13 00-0569 EA 6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-l).....	406.36	35.49
For Dual Circuit, Add	53.17	
26 51 13 00-0570 EA 9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-l).....	483.02	35.49
For Dual Circuit, Add	64.67	
26 51 13 00-0571 Wall Mounted Fixtures (26 51 13)		
26 51 13 00-0572 Wall Mounted Vanity Light Fixtures (26 51 13 00-0571)		
26 51 13 00-0573 EA 1 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2706).....	77.89	28.05
26 51 13 00-0574 EA 2 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2707).....	95.86	28.05
26 51 13 00-0575 EA 3 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2708).....	129.70	28.05
26 51 13 00-0576 EA 4 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2709).....	157.56	28.05
26 51 13 00-0577 EA 5 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2713).....	189.44	28.05
26 51 13 00-0578 EA 6 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2714).....	229.16	28.05
26 51 13 00-0579 Track Lighting (26 51 13)		
26 51 13 00-0580 Track Lighting Tracks (26 51 13 00-0579)		
26 51 13 00-0581 LF 1 Circuit Track Lighting Track.....	21.32	4.63
26 51 13 00-0582 LF 2 Circuit Track Lighting Track.....	28.59	4.63
26 51 13 00-0583 LF 3 Circuit Track Lighting Track.....	34.73	4.63
26 51 13 00-0584 LF 4 Circuit Track Lighting Track.....	40.87	5.61
26 51 13 00-0585 Track Lighting Fixtures (26 51 13 00-0579)		
26 51 13 00-0586 Compact Fluorescent Track Lighting Fixtures (26 51 13 00-0585)		
26 51 13 00-0587 EA Compact Fluorescent Track Lighting Fixture.....	49.72	11.71

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0588		Fluorescent Track Lighting Fixtures (26 51 13 00-0585)		
26 51 13 00-0589	EA	2L 18W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	256.21	11.71
26 51 13 00-0590	EA	2L 39W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	268.25	11.71
26 51 13 00-0591	EA	2L 40W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	275.77	11.71
26 51 13 00-0592	EA	2L 50W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	243.24	11.71
26 51 13 00-0593	EA	2L, 55 Watt BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	312.46	11.71
26 51 13 00-0594		Metal Halide Track Lighting Fixtures (26 51 13 00-0585)		
26 51 13 00-0595	EA	Metal Halide Track Lighting Fixture.....	52.49	11.71
26 51 13 00-0596		Incandescent Track Lighting Fixtures (26 51 13 00-0585)		
26 51 13 00-0597	EA	Incandescent Track Lighting Fixture	42.84	11.71
26 51 13 00-0598	EA	Par 20 Track Fixture, White Or Black Finish, 120 Volt	56.84	11.71
26 51 13 00-0599	EA	Par 30 Track Fixture, White Or Black Finish, 120 Volt	87.19	11.71
26 51 13 00-0600	EA	Par 38 Track Fixture, White Or Black Finish, 120 Volt	90.20	11.71
26 51 13 00-0601	EA	PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	70.58	11.71
26 51 13 00-0602	EA	PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	56.84	11.71
26 51 13 00-0603	EA	PAR 30, Baffled Cylinder Track Fixture, White or Black Finish..... Note: 120V.	69.14	11.71
26 51 13 00-0604	EA	PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	93.21	11.71
26 51 13 00-0605		LED Track Lighting Fixtures (26 51 13 00-0585)		
26 51 13 00-0606	EA	19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™)	204.21	11.71
26 51 13 00-0607	EA	18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED).....	366.76	11.71
26 51 13 00-0608	EA	24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33)	210.38	11.71
26 51 13 00-0609		Track Lighting Accessories (26 51 13 00-0579)		
26 51 13 00-0610		Pendant Mounting (26 51 13 00-0609)		
26 51 13 00-0611	EA	Track Lighting Pendant Mounting, Up to 12"	19.97	
26 51 13 00-0612	EA	Track Lighting Pendant Mounting, >12" To 24"	26.72	
26 51 13 00-0613	EA	Track Lighting Pendant Mounting, >24" To 36"	32.93	
26 51 13 00-0614		Wet Location, Dust Resistant, Vapor Tight Fixtures (26 51 13)		
26 51 13 00-0615		Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 13 00-0614)		
26 51 13 00-0616		Incandescent, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 13 00-0615)		
26 51 13 00-0617	EA	100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	105.27 5.10	28.05
26 51 13 00-0618	EA	200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	125.22 5.10	28.05
26 51 13 00-0619		Compact Fluorescent, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 13 00-0615)		
26 51 13 00-0620	EA	13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	115.57 6.02	28.05
26 51 13 00-0621	EA	22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	119.49 6.02	28.05
26 51 13 00-0622	EA	28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	129.19 6.02	28.05
26 51 13 00-0623		Metal Halide, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 13 00-0615)		
26 51 13 00-0624	EA	75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	149.69 6.30	28.05
26 51 13 00-0625	EA	100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	155.19 6.30	28.05
26 51 13 00-0626	EA	150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	166.37 6.30	28.05
26 51 13 00-0627	EA	175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	183.18 6.30	28.05
26 51 13 00-0628		High Pressure Sodium, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 13 00-0615)		



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0629 EA 70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture <i>For Wall Mounted, Add</i>	136.59 6.67	28.05
26 51 13 00-0630 EA 100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture <i>For Wall Mounted, Add</i>	143.43 6.67	28.05
26 51 13 00-0631 EA 150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture <i>For Wall Mounted, Add</i>	169.85 6.67	28.05
26 51 13 00-0632 Enclosed And Gasketed, Industrial Fluorescent Fixtures (26 51 13 00-0614)		
26 51 13 00-0633 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (26 51 13 00-0632)		
26 51 13 00-0634 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW) (26 51 13 00-0633) Note: Includes high impact acrylic molded lens.		
26 51 13 00-0635 EA 1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)..... <i>For T5 Fixture Instead Of T8, Add</i>	152.05 12.27	29.88
26 51 13 00-0636 EA 2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)..... <i>For T5 Fixture Instead Of T8, Add</i>	158.77 13.04	29.88
26 51 13 00-0637 EA 3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)..... <i>For T5 Fixture Instead Of T8, Add</i>	245.18 22.93	29.88
26 51 13 00-0638 EA 1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	214.11	29.88
26 51 13 00-0639 EA 2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	341.18	29.88
26 51 13 00-0640 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day- Brite V2W) (26 51 13 00-0633) Note: Includes high impact acrylic molded lens.		
26 51 13 00-0641 EA 1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	186.45	29.88
26 51 13 00-0642 EA 2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	188.24	29.88
26 51 13 00-0643 EA 3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	273.41	29.88
26 51 13 00-0644 EA 1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	227.70	29.88
26 51 13 00-0645 EA 2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	237.94	29.88
26 51 13 00-0646 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (26 51 13 00-0632) Note: Includes high impact acrylic molded lens.		
26 51 13 00-0647 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) (26 51 13 00-0646) Note: Includes high impact acrylic molded lens.		
26 51 13 00-0648 EA 2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)..... <i>For T5 Fixture Instead Of T8, Add</i>	283.95 25.54	40.59
26 51 13 00-0649 EA 4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)..... <i>For T5 Fixture Instead Of T8, Add</i>	294.39 26.73	40.59
26 51 13 00-0650 Large Interior Area Fixtures (26 51 13)		
26 51 13 00-0651 Recessed Mounted, Large Interior Area Fixtures (26 51 13 00-0650) Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.		
26 51 13 00-0652 High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures (26 51 13 00-0651)		
26 51 13 00-0653 EA 150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i>	240.93 40.50 60.00	74.78
26 51 13 00-0654 EA 250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i>	251.36 40.50 60.00	79.40
26 51 13 00-0655 EA 400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i>	265.32 40.50 60.00	90.63
26 51 13 00-0656 Metal Halide, Recessed Mounted, Large Interior Area Fixtures (26 51 13 00-0651)		
26 51 13 00-0657 EA 150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i>	248.86 40.50 60.00	74.78
26 51 13 00-0658 EA 250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i>	253.18 40.50 60.00	79.40
26 51 13 00-0659 EA 400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i>	271.66 40.50 60.00	90.63
26 51 13 00-0660 Low Bay Fixtures, Large Interior Area Fixtures (26 51 13 00-0650) Note: Heavy duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0661		High Pressure Sodium, Low Bay Fixtures <small>(26 51 13 00-0660)</small>		
	26 51 13 00-0662	EA	150 Watt High Pressure Sodium, Low Bay Fixture	359.85	68.36
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Enclosed And Gasketed, Add</i>	75.47	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
	26 51 13 00-0663	EA	250 Watt High Pressure Sodium, Low Bay Fixture	368.02	72.59
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Enclosed And Gasketed, Add</i>	75.47	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
	26 51 13 00-0664	EA	400 Watt High Pressure Sodium, Low Bay Fixture	386.18	82.85
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Enclosed And Gasketed, Add</i>	75.47	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
26 51	13 00-0665		Metal Halide, Low Bay Fixtures <small>(26 51 13 00-0660)</small>		
	26 51 13 00-0666	EA	175 Watt Metal Halide, Low Bay Fixture	359.91	68.36
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Enclosed And Gasketed, Add</i>	75.47	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
	26 51 13 00-0667	EA	250 Watt Metal Halide, Low Bay Fixture	367.78	72.59
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Enclosed And Gasketed, Add</i>	75.47	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
	26 51 13 00-0668	EA	400 Watt Metal Halide, Low Bay Fixture	390.42	82.85
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Enclosed And Gasketed, Add</i>	75.47	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
26 51	13 00-0669		High Bay Fixtures, Large Interior Area Fixtures <small>(26 51 13 00-0650)</small>		
			Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.		
26 51	13 00-0670		High Pressure Sodium, High Bay Fixtures <small>(26 51 13 00-0669)</small>		
			Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
	26 51 13 00-0671	EA	250 Watt High Pressure Sodium, High Bay Fixture	320.27	72.59
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
			<i>For Tempered Glass Or Acrylic Lens, Add</i>	60.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Security Chain, Add</i>	19.34	
			<i>For Optical Safety Chain, Add</i>	7.47	
			<i>For Ballast Safety Chain, Add</i>	12.13	
	26 51 13 00-0672	EA	400 Watt High Pressure Sodium, High Bay Fixture	343.46	82.85
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
			<i>For Tempered Glass Or Acrylic Lens, Add</i>	60.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Security Chain, Add</i>	19.34	
			<i>For Optical Safety Chain, Add</i>	7.47	
			<i>For Ballast Safety Chain, Add</i>	12.13	
	26 51 13 00-0673	EA	1,000 Watt High Pressure Sodium, High Bay Fixture	521.92	87.15
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
			<i>For Tempered Glass Or Acrylic Lens, Add</i>	60.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Security Chain, Add</i>	19.34	
			<i>For Optical Safety Chain, Add</i>	7.47	
			<i>For Ballast Safety Chain, Add</i>	12.13	
26 51	13 00-0674		Metal Halide, High Bay Fixtures <small>(26 51 13 00-0669)</small>		
			Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
	26 51 13 00-0675	EA	250 Watt Metal Halide, High Bay Fixture	297.59	72.59
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
			<i>For Tempered Glass Or Acrylic Lens, Add</i>	60.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Security Chain, Add</i>	19.34	
			<i>For Optical Safety Chain, Add</i>	7.47	
			<i>For Ballast Safety Chain, Add</i>	12.13	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0676 EA 400 Watt Metal Halide, High Bay Fixture	320.04	82.85
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 13 00-0677 EA 1,000 Watt Metal Halide, High Bay Fixture	442.85	87.15
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 13 00-0678 (T8) Fluorescent, High Bay Fixtures <small>(26 51 13 00-0669)</small>		
26 51 13 00-0679 (T8) Fluorescent, High Bay Fixtures (Lithonia) <small>(26 51 13 00-0678)</small>		
Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 13 00-0680 EA 2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	264.06	65.41
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0681 EA 3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	276.54	72.47
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0682 EA 4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	313.32	82.73
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0683 EA 6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	373.60	87.15
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0684 EA 8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	405.07	91.19
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0685 EA 4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	332.91	82.73
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0686 EA 6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	344.43	87.15
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0687 EA 8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	404.87	91.19
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0688 (T5HO) Fluorescent, High Bay Fixtures <small>(26 51 13 00-0669)</small>		
26 51 13 00-0689 (T5HO) Fluorescent, High Bay Fixtures (Lithonia) <small>(26 51 13 00-0688)</small>		
Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 13 00-0690 EA 2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	273.41	65.41
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0691 EA 3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	289.16	72.47
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0692 EA 4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	331.12	82.73
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0693 EA 6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	402.85	87.15
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0694 EA 4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	373.08	82.73
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0695 EA 6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	418.29	87.15
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0696	EA	8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	506.35 40.50 47.75 54.00	91.19
26 51	13 00-0697		Induction, High Bay Fixtures (26 51 13 00-0697)		
26 51	13 00-0698		Induction, High Bay Fixtures (Everlast®) (26 51 13 00-0697) Note: Includes die cast aluminum ballast casing and acrylic lens.		
26 51	13 00-0699	EA	100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	428.94 20.00	63.48
26 51	13 00-0700	EA	120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	464.29 20.00	65.60
26 51	13 00-0701	EA	150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	471.93 20.00	67.72
26 51	13 00-0702	EA	200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	520.58 20.00	69.83
26 51	13 00-0703	EA	250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	533.76 20.00	71.95
26 51	13 00-0704	EA	100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	467.73 20.00	63.48
26 51	13 00-0705	EA	120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	503.08 20.00	65.60
26 51	13 00-0706	EA	150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	510.72 20.00	67.72
26 51	13 00-0707	EA	200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	559.37 20.00	69.83
26 51	13 00-0708	EA	250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	572.55 20.00	71.95
26 51	13 00-0709		LED, High Bay Fixtures (26 51 13 00-0699)		
26 51	13 00-0710		LED High Bay Fixtures (Lithonia IBL) (26 51 13 00-0709) Note: Includes aluminum alloy chassis.		
26 51	13 00-0711	EA	9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L)	534.80	70.54
26 51	13 00-0712	EA	12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L)	590.21	70.54
26 51	13 00-0713	EA	18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L)	739.83	70.54
26 51	13 00-0714	EA	24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L)	799.68	70.54
26 51	13 00-0715		LED High Bay Fixtures (PlanLED) (26 51 13 00-0709)		
26 51	13 00-0716		LED High Bay Fixtures (PlanLED LUNA) (26 51 13 00-0715) Note: Includes aluminum alloy chassis.		
26 51	13 00-0717	EA	7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70)	485.49	70.54
26 51	13 00-0718	EA	9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98)	544.29	70.54
26 51	13 00-0719	EA	13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130)	629.34	70.54
26 51	13 00-0720	EA	16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160)	712.29	70.54
26 51	13 00-0721		LED High Bay Fixtures (PlanLED IBL) (26 51 13 00-0715) Note: Includes aluminum alloy chassis.		
26 51	13 00-0722	EA	13,650 Lumens, 130 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W) <i>For 347-480 Volt, Add</i>	527.49 34.06	70.54
26 51	13 00-0723	EA	21,000 Lumens, 200 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W) <i>For 347-480 Volt, Add</i>	732.24 44.28	70.54
26 51	13 00-0724	EA	42,000 Lumens, 400 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W) <i>For 347-480 Volt, Add</i>	1,296.09 72.65	70.54
26 51	13 00-0725		LED High Bay Fixtures (PlanLED SEGA) (26 51 13 00-0715) Note: Includes aluminum alloy chassis.		
26 51	13 00-0726	EA	10,400 Lumens, 80 System Watts, LED High Bay Fixture (PlanLED SEGA SE080) <i>For 0 To 10 Volt Dimming, Add</i>	417.24 49.73	70.54
26 51	13 00-0727	EA	13,000 Lumens, 100 System Watts, LED High Bay Fixture (PlanLED SEGA SE100) <i>For 0 To 10 Volt Dimming, Add</i>	445.59 49.73	70.54
26 51	13 00-0728	EA	16,900 Lumens, 130 System Watts, LED High Bay Fixture (PlanLED SEGA SE130) <i>For 0 To 10 Volt Dimming, Add</i>	543.24 49.73	70.54
26 51	13 00-0729	EA	20,800 Lumens, 160 System Watts, LED High Bay Fixture (PlanLED SEGA SE160) <i>For 0 To 10 Volt Dimming, Add</i>	613.59 49.73	70.54
26 51	13 00-0730	EA	50,000 Lumens, 400 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE400)	1,132.29	70.54
26 51	13 00-0731	EA	57,040 Lumens, 500 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE500)	1,224.69	70.54
26 51	13 00-0732	EA	80,000 Lumens, 640 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE640)	1,879.83	70.54
26 51	13 00-0733		Ceiling Mounted, Large Interior Area Fixtures (26 51 13 00-0650) Note: Heavy duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.		
26 51	13 00-0734		High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures (26 51 13 00-0733)		



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0735 EA 100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture.....	288.43	48.61
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0736 EA 150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture.....	346.74	48.61
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0737 EA 250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture.....	397.95	48.61
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0738 EA 400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture.....	531.00	48.61
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0739 Metal Halide, Ceiling Mounted, Large Interior Area Fixtures (26 51 13 00-0733)		
26 51 13 00-0740 EA 100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture.....	244.23	48.61
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0741 EA 175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture.....	260.20	53.94
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0742 EA 250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture.....	277.28	58.43
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0743 EA 400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture.....	302.73	69.58
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0744 Interior Lighting Accessories (26 51 13)		
26 51 13 00-0745 LF For Each Additional LF Of Interior Lighting Wire Whip, Add.....	0.92	
Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.		
26 51 13 00-0746 Other Fixtures (26 51 13)		
26 51 13 00-0747 Vandal Proof, Wraparound Fluorescent Fixtures (26 51 13 00-0746)		
Note: 16 gauge welded steel body with powder coated finish, polycarbonate lens, and tamper resistant screws.		
26 51 13 00-0748 8-1/4" x 2', Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixtures (26 51 13 00-0747)		
26 51 13 00-0749 EA 8-1/4" x 2', 2 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	181.30	32.27
26 51 13 00-0750 EA 8-1/4" x 2', 3 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	189.83	32.27
26 51 13 00-0751 8-1/4" x 4', Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixtures (26 51 13 00-0747)		
26 51 13 00-0752 EA 8-1/4" x 4', 1 T8 Lamp, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	206.90	32.27
26 51 13 00-0753 EA 8-1/4" x 4', 2 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	214.21	32.27
26 51 13 00-0754 EA 8-1/4" x 4', 3 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	223.96	32.27
26 51 13 00-0755 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures (26 51 13 00-0747)		
26 51 13 00-0756 EA 1 T8 Lamp, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	119.75	20.07
26 51 13 00-0757 EA 2 T8 Lamps, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	141.89	20.07
26 51 13 00-0758 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures (26 51 13 00-0747)		
26 51 13 00-0759 EA 1 T8 Lamp, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	128.53	20.90
26 51 13 00-0760 EA 2 T8 Lamps, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	152.08	20.90
26 51 13 00-0761 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures (26 51 13 00-0747)		
26 51 13 00-0762 EA 2 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	145.78	22.19
26 51 13 00-0763 EA 3 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	172.33	22.19
26 51 13 00-0764 EA 4 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	185.05	22.19
26 51 13 00-0765 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures (26 51 13 00-0747)		
26 51 13 00-0766 EA 2 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	155.61	23.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0767 EA 3 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	183.77	23.47
26 51 13 00-0768 EA 4 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	196.94	23.47
26 51 13 00-0769 Surface Mounted, Stairway, Fluorescent Fixtures <small>(26 51 13 00-0746)</small>		
Note: Includes emergency battery mounted electronic dimming ballasts.		
26 51 13 00-0770 EA 3' Surface Mounted Stairway Fluorescent Fixture 2 25W T8 Lamps	389.81	29.88
Note: Clear prismatic lens, emergency battery backup with electronic dimming ballast. Cooper STL-57-2F25.		
26 51 13 00-0771 EA 3' Ceiling Mounted Stairway Fluorescent Fixture 2 25W T8 Lamps	410.39	29.88
Note: Clear prismatic lens, emergency battery backup with electronic dimming ballast. Day-Bright STW--C-2-25-CP-120-1/2EBD.		
26 51 13 00-0772 EA 3' Ceiling Mounted Stairway Fluorescent Fixture 2 25W T8 Lamps	543.47	29.88
Note: Clear prismatic acrylic lens, emergency battery backup with electronic dimming ballast (5%, 10%, 20% & 30%). Lamar Lighting C2-2-25-E8-1-PA-AS-EM.		
26 51 13 00-0773 EA 18" Diameter Surface Mounted Stairway Fluorescent Fixture, 2 26W	579.08	29.88
Note: Clear prismatic acrylic lens, emergency battery backup with electronic dimming ballast (5%, 10%, 20% & 75%). Lamar Lighting MTN-2-26-18-EQ-1-SW-AS-EM.		
26 52 Safety Lighting <small>(26 50)</small>		
26 52 00 00-0001 Commercial Emergency Lights <small>(26 52)</small>		
26 52 00 00-0002 Polycarbonate Housing, Commercial Emergency Lights <small>(26 52 00 00-0001)</small>		
Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 00 00-0003 EA 3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED)	128.02	17.54
26 52 00 00-0004 EA 10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2)	88.95	17.54
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	
26 52 00 00-0005 EA 18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618)	140.08	17.54
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	
26 52 00 00-0006 EA 27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627)	163.22	17.54
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	
26 52 00 00-0007 EA 54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654)	242.76	17.54
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	
26 52 00 00-0008 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254)	275.05	17.54
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	
26 52 00 00-0009 EA 72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272)	400.84	17.54
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	
26 52 00 00-0010 Remote Heads For Commercial Emergency Lights <small>(26 52 00 00-0001)</small>		
Note: For use with fixtures that have remote capability.		
26 52 00 00-0011 EA 6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606)	86.54	10.52
26 52 00 00-0012 EA 6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606)	87.12	10.52
26 52 00 00-0013 EA 8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806)	89.07	10.52
26 52 00 00-0014 EA 12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212)	88.75	10.52
26 52 00 00-0015 EA 12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212)	76.77	10.52
26 52 00 00-0016 EA 12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	52.96	10.52
26 52 00 00-0017 Industrial Emergency Lights <small>(26 52)</small>		
26 52 00 00-0018 Painted Steel Housing, Industrial Emergency Lights <small>(26 52 00 00-0017)</small>		
26 52 00 00-0019 Painted Steel Housing, Industrial Emergency Lights <small>(26 52 00 00-0018)</small>		
Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 00 00-0020 EA 16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16)	225.19	17.54
For Wireguard, Add	114.39	
26 52 00 00-0021 EA 24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24)	189.07	17.54
For Wireguard, Add	114.39	
26 52 00 00-0022 EA 36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36)	294.64	17.54
For Wireguard, Add	114.39	
26 52 00 00-0023 EA 50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50)	312.86	17.54
For Wireguard, Add	114.39	



Electrical	26	26
Lighting	26 50	
Safety Lighting	26 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0024 EA 125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125).....	446.48	17.54
<i>For Wireguard, Add</i>	121.84	
26 52 00 00-0025 EA 275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275).....	702.09	17.54
<i>For Wireguard, Add</i>	121.84	
26 52 00 00-0026 Remote Heads For Painted Steel Housing, Industrial Emergency Lights <small>(26 52 00 00-0018)</small>		
<i>Note: For use with fixtures that have remote capability.</i>		
26 52 00 00-0027 EA 8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806).....	66.68	10.52
<i>For Wireguard, Add</i>	92.32	
26 52 00 00-0028 EA 12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	68.95	10.52
<i>For Wireguard, Add</i>	92.32	
26 52 00 00-0029 EA 8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812).....	67.00	10.52
<i>For Wireguard, Add</i>	92.32	
26 52 00 00-0030 EA 12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212).....	67.37	10.52
<i>For Wireguard, Add</i>	92.32	
26 52 00 00-0031 EA 12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512).....	68.95	10.52
<i>For Wireguard, Add</i>	92.32	
26 52 00 00-0032 EA 12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512).....	80.46	10.52
<i>For Wireguard, Add</i>	92.32	
26 52 00 00-0033 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0017)</small>		
26 52 00 00-0034 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0033)</small>		
<i>Note: Includes lead-calcium batteries and two adjustable lamp heads.</i>		
26 52 00 00-0035 EA 18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618).....	222.29	17.54
<i>For Wireguard, Add</i>	111.22	
<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0036 EA 36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236).....	241.56	17.54
<i>For Wireguard, Add</i>	111.22	
<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0037 EA 54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654).....	236.28	17.54
<i>For Wireguard, Add</i>	111.22	
<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0038 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254).....	249.75	17.54
<i>For Wireguard, Add</i>	111.22	
<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0039 EA 100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100).....	420.33	17.54
<i>For Wireguard, Add</i>	111.22	
<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0040 EA 18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618).....	330.29	17.54
<i>For Wireguard, Add</i>	111.22	
<i>For Self-Diagnostics, Add</i>	61.50	
26 52 00 00-0041 EA 36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236).....	369.90	17.54
<i>For Wireguard, Add</i>	111.22	
<i>For Self-Diagnostics, Add</i>	61.50	
26 52 00 00-0042 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254).....	389.97	17.54
<i>For Wireguard, Add</i>	111.22	
<i>For Self-Diagnostics, Add</i>	61.50	
26 52 00 00-0043 Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0033)</small>		
<i>Note: For use with fixtures that have remote capability.</i>		
26 52 00 00-0044 EA 9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906).....	57.97	10.52
26 52 00 00-0045 EA 12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206).....	62.56	10.52
26 52 00 00-0046 EA 9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912).....	58.02	10.52
26 52 00 00-0047 EA 12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212).....	61.40	10.52
26 52 00 00-0048 EA 12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012).....	52.72	10.52

26	Electrical
26 50	Lighting
26 52	Safety Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0049 Outdoor Emergency Lights ^(26 52)		
26 52 00 00-0050 Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights ^(26 52 00 00-0049)		
Note: Includes nickel-cadmium batteries.		
26 52 00 00-0051 EA 10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series).....	349.57	17.54
26 52 00 00-0052 EA 10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series).....	416.90	17.54
26 52 00 00-0053 Recessed Emergency Lights ^(26 52)		
26 52 00 00-0054 EA 10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG).....	380.71	17.54
For Wire Guard, Add	60.00	
26 52 00 00-0055 EA 16 Watts At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2).....	302.64	35.07
Note: Includes lead-calcium batteries and two adjustable lamp heads.		
For Wireguard, Add	121.84	
26 52 00 00-0056 EA 50 Watts At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4).....	433.14	35.07
Note: Includes lead-calcium batteries and two adjustable lamp heads.		
For Wireguard, Add	121.84	
26 52 00 00-0057 Square Wraparound Emergency Lights ^(26 52)		
26 52 00 00-0058 EA 10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ).....	174.88	17.54
26 53 Exit Signs ^(26 50)		
Note: Excludes pendants.		
26 53 00 00-0001 LED Exit Signs ^(26 53)		
Note: Includes red LED lamps.		
26 53 00 00-0002 EA Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM).....	104.12	25.64
For Green LED Lamps, Add	15.00	
26 53 00 00-0003 EA Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM).....	104.12	25.64
For Green LED Lamps, Add	15.00	
26 53 00 00-0004 EA Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN).....	143.64	25.64
For Green LED Lamps, Add	15.00	
For Self-Diagnostics, Add	50.00	
26 53 00 00-0005 EA Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN).....	143.64	25.64
For Green LED Lamps, Add	15.00	
For Self-Diagnostics, Add	50.00	
26 53 00 00-0006 EA Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC).....	157.76	25.64
For Green LED Lamps, Add	15.00	
26 53 00 00-0007 EA Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC).....	178.36	25.64
For Green LED Lamps, Add	15.00	
26 53 00 00-0008 EA Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN).....	149.15	25.64
For Green LED Lamps, Add	15.00	
For Self-Diagnostics, Add	50.00	
26 53 00 00-0009 EA Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN).....	164.10	25.64
For Green LED Lamps, Add	15.00	
For Self-Diagnostics, Add	50.00	
26 53 00 00-0010 EA Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM).....	191.63	25.64
Note: Includes two circular side mounted krypton emergency lights.		
For Green LED Lamps, Add	15.00	
26 53 00 00-0011 EA Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM LED).....	280.30	25.64
Note: Includes two circular side mounted LED emergency lights.		
For Green LED Lamps, Add	15.00	
26 53 00 00-0012 EA Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH).....	236.95	25.64
Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
For Green LED Lamps, Add	15.00	
26 53 00 00-0013 EA Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM).....	247.81	25.64
Note: Includes two circular side mounted PAR 36 emergency lights.		
For Green LED Lamps, Add	15.00	
26 53 00 00-0014 Edge-Lit LED Exit Signs ^(26 53)		
Note: Includes red LED lamps.		
26 53 00 00-0015 EA Single Face, Edge-Lit LED Exit Sign.....	220.19	25.64
For Green LED Lamps, Add	40.00	
26 53 00 00-0016 EA Double Face, Edge-Lit LED Exit Sign.....	236.08	25.64
For Green LED Lamps, Add	40.00	
26 53 00 00-0017 EA Single Face, Edge-Lit LED Exit Sign With Battery Back-Up.....	269.25	25.64
For Green LED Lamps, Add	40.00	
For Self-Diagnostics, Add	50.00	
26 53 00 00-0018 EA Double Face, Edge-Lit LED Exit Sign With Battery Back-Up.....	280.95	25.64
For Green LED Lamps, Add	40.00	
For Self-Diagnostics, Add	50.00	



Electrical	26	26
Lighting	26 50	
Exit Signs	26 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 53 00 00-0019 Self-Luminous Tritium Exit Signs ^(26 53)		
Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.		
26 53 00 00-0020 EA 10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	298.44	25.64
26 53 00 00-0021 EA 10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	545.34	25.64
26 53 00 00-0022 EA 20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	354.68	25.64
26 53 00 00-0023 EA 20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	590.49	25.64
26 53 00 00-0024 EA 10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	326.43	25.64
26 53 00 00-0025 EA 10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	590.49	25.64
26 53 00 00-0026 EA 20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	399.58	25.64
26 53 00 00-0027 EA 20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	732.03	25.64
26 53 00 00-0028 Vandal-Resistant LED Exit Signs ^(26 53)		
Note: Includes red LED lamps.		
26 53 00 00-0029 EA Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign.....	281.80	25.64
26 53 00 00-0030 EA Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup	434.70	25.64
26 53 00 00-0031 EA Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup.....	528.44	25.64
26 53 00 00-0032 Remove And Reinstall Exit Light Fixture ^(26 53)		
26 53 00 00-0033 EA Removal And Reinstall Of Exit Light Fixtures	52.61	
Note: Includes storage and cleaning.		
26 53 00 00-0034 Exit Sign Accessories ^(26 53)		
26 53 00 00-0035 EA Polycarbonate Vandal Shield For Exit Signs.....	66.85	7.03
26 53 00 00-0036 EA Wire Guard For Exit Signs Or Emergency Lights.....	39.25	7.03
26 53 00 00-0037 EA Wire Guard For Combination Exit Sign And Emergency Light.....	61.64	5.63
26 53 00 00-0038 EA Replacement Battery For Exit Signs.....	67.15	8.78
26 55 Special Purpose Lighting ^(26 50)		
26 55 61 Theatrical Lighting ^(26 55)		
26 55 61 00-0001 Stage Lighting ^(26 55 61)		
26 55 61 00-0002 EA Ellipsoidal Spotlight, Two 6" x 9" Lenses	337.21	85.29
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.		
26 55 61 00-0003 EA Ellipsoidal Spotlight, Two 6" x 12" Lenses	337.21	85.29
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.		
26 55 61 00-0004 EA Ellipsoidal Spotlight, Two 6" x 16" Lenses	337.21	85.29
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.		
26 55 61 00-0005 EA 14" Scoop Floodlight Altman #SC14.....	349.92	85.29
26 55 61 00-0006 EA 6" Diameter Fresnel Spotlight, Spherical Specular Alzak	242.71	85.29
Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.		
26 55 61 00-0007 EA 8" Diameter Fresnel Spotlight, Spherical Specular Alzak	388.14	85.29
Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.		
26 55 61 00-0008 EA Follow Spotlight With Steel Chassis And Lightweight.....	1,135.21	85.29
Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.		
26 55 61 00-0009 EA Follow Spotlight With Steel Chassis And Lightweight.....	1,364.11	85.29
Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.		
26 55 61 00-0010 EA PAR 64 Can Lighting With 20 Gauge Sheet Steel.....	206.96	85.29
Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.		
26 55 61 00-0011 EA 6' Long Borderlight Sections	679.29	85.29
Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.		
26 55 68 Athletic Field Lighting ^(26 55)		
26 55 68 00-0001 Sports Lighting System ^(26 55 68)		
Note: Musco.		
26 55 68 00-0002 Round Steel Tapered Poles ^(26 55 68 00-0001)		
Note: With Internal wiring harness.		
26 55 68 00-0003 EA 20' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	2,153.34	383.35
26 55 68 00-0004 EA 25' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	2,591.48	463.21
26 55 68 00-0005 EA 30' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	2,917.41	503.15
26 55 68 00-0006 EA 35' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	3,185.46	523.11
26 55 68 00-0007 EA 40' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	3,976.18	543.08
26 55 68 00-0008 EA 45' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	4,570.26	662.88
26 55 68 00-0009 EA 50' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	4,909.69	702.81



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 55 68 00-0010	EA	55' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,577.22		798.65
26 55 68 00-0011	EA	60' Steel Tapered Pole With Precast Concrete Foundation Sleeve	6,330.62		898.48
26 55 68 00-0012	EA	65' Steel Tapered Pole With Precast Concrete Foundation Sleeve	6,982.96		982.39
26 55 68 00-0013	EA	70' Steel Tapered Pole With Precast Concrete Foundation Sleeve	7,620.75		1,097.97
26 55 68 00-0014	EA	75' Steel Tapered Pole With Precast Concrete Foundation Sleeve	8,314.38		1,232.80
26 55 68 00-0015	EA	80' Steel Tapered Pole With Precast Concrete Foundation Sleeve	9,342.97		1,483.22
26 55 68 00-0016		Steel Pole Brackets <small>(26 55 68 00-0001)</small>			
26 55 68 00-0017	EA	Two Light Bracket	333.94		39.94
26 55 68 00-0018	EA	Three Light Bracket.....	420.42		55.91
26 55 68 00-0019	EA	Four Light Bracket.....	605.35		67.89
26 55 68 00-0020	EA	Five Light Bracket.....	689.93		79.86
26 55 68 00-0021	EA	Six Light Bracket.....	836.59		91.85
26 55 68 00-0022	EA	Seven Light Bracket.....	957.92		103.82
26 55 68 00-0023	EA	Eight Light Bracket.....	1,095.14		119.80
26 55 68 00-0024	EA	Nine Light Bracket.....	1,237.15		131.77
26 55 68 00-0025		Light Fixtures <small>(26 55 68 00-0001)</small>			
26 55 68 00-0026	EA	120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug..... <i>For 1,500 Watt Metal Halide Lamp, Add</i>	1,183.93 8.59		
26 55 68 00-0027		Electrical Component Enclosure <small>(26 55 68 00-0001)</small>			
Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.					
26 55 68 00-0028	EA	Electrical Component Enclosure For 2 Lights, Pole Mounted	519.68		45.59
26 55 68 00-0029	EA	Electrical Component Enclosure For 3 Lights, Pole Mounted	780.17		70.15
26 55 68 00-0030	EA	Electrical Component Enclosure For 4 Lights, Pole Mounted	894.83		87.68
26 55 68 00-0031	EA	Electrical Component Enclosure For 5 Lights, Pole Mounted	1,156.23		98.20
26 55 68 00-0032	EA	Electrical Component Enclosure For 6 Lights, Pole Mounted	1,299.46		105.22
26 55 68 00-0033		Accessories <small>(26 55 68 00-0001)</small>			
26 55 68 00-0034	EA	Time Delay Kit (Musco®).....	548.55		140.57
26 55 68 00-0035	EA	Remote Switch Box Push Button (Musco®).....	1,083.41		140.57
26 55 68 00-0036	EA	Push Button Strobe Kit (Musco®).....	1,297.35		140.57
26 55 68 00-0037	EA	Additional Control-Link Unit (Musco®).....	6,191.89		421.70
26 55 68 00-0038	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®)	675.14		70.15
26 55 68 00-0039	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®)	815.43		140.29
26 56		Exterior Lighting <small>(26 50)</small>			
26 56 13		Lighting Poles And Standards <small>(26 56)</small>			
26 56 13 00-0001		Poles And Standards <small>(26 56 13)</small>			
26 56 13 00-0002		Roadway Light Poles <small>(26 56 13 00-0001)</small>			
26 56 13 00-0003		Steel Roadway Light Poles <small>(26 56 13 00-0002)</small>			
Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).					
26 56 13 00-0004		Round Tapered, Steel Roadway Light Poles <small>(26 56 13 00-0003)</small>			
26 56 13 00-0005		Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms <small>(26 56 13 00-0004)</small>			
26 56 13 00-0006		Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm <small>(26 56 13 00-0005)</small>			
26 56 13 00-0007	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,733.85		239.59
		<i>For Galvanized Finish, Add</i>	67.64		
		<i>For >10 To 20, Deduct</i>	-68.35		
		<i>For >20 To 40, Deduct</i>	-136.69		
		<i>For >40, Deduct</i>	-217.02		
26 56 13 00-0008	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,739.41		239.59
		<i>For Galvanized Finish, Add</i>	67.81		
		<i>For >10 To 20, Deduct</i>	-68.49		
		<i>For >20 To 40, Deduct</i>	-136.97		
		<i>For >40, Deduct</i>	-217.44		
26 56 13 00-0009	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,932.17		319.45
		<i>For Galvanized Finish, Add</i>	68.80		
		<i>For >10 To 20, Deduct</i>	-73.30		
		<i>For >20 To 40, Deduct</i>	-146.61		
		<i>For >40, Deduct</i>	-235.89		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0010 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	2,999.18	319.45
For Galvanized Finish, Add	70.81	
For >10 To 20, Deduct	-74.98	
For >20 To 40, Deduct	-149.96	
For >40, Deduct	-240.91	
26 56 13 00-0011 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,066.18	319.45
For Galvanized Finish, Add	72.82	
For >10 To 20, Deduct	-76.65	
For >20 To 40, Deduct	-153.31	
For >40, Deduct	-245.94	
26 56 13 00-0012 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,160.16	359.39
For Galvanized Finish, Add	73.24	
For >10 To 20, Deduct	-79.00	
For >20 To 40, Deduct	-158.01	
For >40, Deduct	-254.98	
26 56 13 00-0013 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,191.93	359.39
For Galvanized Finish, Add	74.19	
For >10 To 20, Deduct	-79.80	
For >20 To 40, Deduct	-159.60	
For >40, Deduct	-257.36	
26 56 13 00-0014 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,197.98	359.39
For Galvanized Finish, Add	74.38	
For >10 To 20, Deduct	-79.95	
For >20 To 40, Deduct	-159.90	
For >40, Deduct	-257.82	
26 56 13 00-0015 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,350.72	379.36
For Galvanized Finish, Add	77.76	
For >10 To 20, Deduct	-83.77	
For >20 To 40, Deduct	-167.54	
For >40, Deduct	-270.27	
26 56 13 00-0016 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,374.72	379.36
For Galvanized Finish, Add	78.48	
For >10 To 20, Deduct	-84.37	
For >20 To 40, Deduct	-168.74	
For >40, Deduct	-272.07	
26 56 13 00-0017 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,400.93	379.36
For Galvanized Finish, Add	79.27	
For >10 To 20, Deduct	-85.02	
For >20 To 40, Deduct	-170.05	
For >40, Deduct	-274.04	
26 56 13 00-0018 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,910.30	399.33
For Galvanized Finish, Add	93.35	
For >10 To 20, Deduct	-97.76	
For >20 To 40, Deduct	-195.52	
For >40, Deduct	-313.24	
26 56 13 00-0019 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,918.84	399.33
For Galvanized Finish, Add	93.61	
For >10 To 20, Deduct	-97.97	
For >20 To 40, Deduct	-195.94	
For >40, Deduct	-313.88	
26 56 13 00-0020 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,927.29	399.33
For Galvanized Finish, Add	93.86	
For >10 To 20, Deduct	-98.18	
For >20 To 40, Deduct	-196.36	
For >40, Deduct	-314.51	
26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms <small>(26 56 13 00-0005)</small>		
26 56 13 00-0022 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,421.88	279.53
For Galvanized Finish, Add	85.88	
For >10 To 20, Deduct	-85.55	
For >20 To 40, Deduct	-171.09	
For >40, Deduct	-270.62	
26 56 13 00-0023 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,477.64	289.51
For Galvanized Finish, Add	86.96	
For >10 To 20, Deduct	-86.94	
For >20 To 40, Deduct	-173.88	
For >40, Deduct	-275.30	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0024	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,524.58	299.49
			<i>For Galvanized Finish, Add</i>	87.77	
			<i>For >10 To 20, Deduct</i>	-88.11	
			<i>For >20 To 40, Deduct</i>	-176.23	
			<i>For >40, Deduct</i>	-279.32	
26 56 13 00-0025	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,349.47	359.39
			<i>For Galvanized Finish, Add</i>	78.92	
			<i>For >10 To 20, Deduct</i>	-83.74	
			<i>For >20 To 40, Deduct</i>	-167.47	
			<i>For >40, Deduct</i>	-269.18	
26 56 13 00-0026	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,383.65	369.38
			<i>For Galvanized Finish, Add</i>	79.35	
			<i>For >10 To 20, Deduct</i>	-84.59	
			<i>For >20 To 40, Deduct</i>	-169.18	
			<i>For >40, Deduct</i>	-272.24	
26 56 13 00-0027	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,409.38	379.36
			<i>For Galvanized Finish, Add</i>	79.52	
			<i>For >10 To 20, Deduct</i>	-85.23	
			<i>For >20 To 40, Deduct</i>	-170.47	
			<i>For >40, Deduct</i>	-274.67	
26 56 13 00-0028	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,604.83	399.33
			<i>For Galvanized Finish, Add</i>	84.19	
			<i>For >10 To 20, Deduct</i>	-90.12	
			<i>For >20 To 40, Deduct</i>	-180.24	
			<i>For >40, Deduct</i>	-290.33	
26 56 13 00-0029	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,633.43	409.31
			<i>For Galvanized Finish, Add</i>	84.44	
			<i>For >10 To 20, Deduct</i>	-90.84	
			<i>For >20 To 40, Deduct</i>	-181.67	
			<i>For >40, Deduct</i>	-292.97	
26 56 13 00-0030	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,658.87	419.29
			<i>For Galvanized Finish, Add</i>	84.61	
			<i>For >10 To 20, Deduct</i>	-91.47	
			<i>For >20 To 40, Deduct</i>	-182.94	
			<i>For >40, Deduct</i>	-295.38	
26 56 13 00-0031	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,828.60	419.29
			<i>For Galvanized Finish, Add</i>	89.70	
			<i>For >10 To 20, Deduct</i>	-95.72	
			<i>For >20 To 40, Deduct</i>	-191.43	
			<i>For >40, Deduct</i>	-308.11	
26 56 13 00-0032	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,885.72	429.28
			<i>For Galvanized Finish, Add</i>	90.82	
			<i>For >10 To 20, Deduct</i>	-97.14	
			<i>For >20 To 40, Deduct</i>	-194.29	
			<i>For >40, Deduct</i>	-312.89	
26 56 13 00-0033	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,940.91	439.26
			<i>For Galvanized Finish, Add</i>	91.87	
			<i>For >10 To 20, Deduct</i>	-98.52	
			<i>For >20 To 40, Deduct</i>	-197.05	
			<i>For >40, Deduct</i>	-317.53	
26 56 13 00-0034	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,355.15	439.26
			<i>For Galvanized Finish, Add</i>	104.30	
			<i>For >10 To 20, Deduct</i>	-108.88	
			<i>For >20 To 40, Deduct</i>	-217.76	
			<i>For >40, Deduct</i>	-348.60	
26 56 13 00-0035	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,380.69	449.24
			<i>For Galvanized Finish, Add</i>	104.47	
			<i>For >10 To 20, Deduct</i>	-109.52	
			<i>For >20 To 40, Deduct</i>	-219.03	
			<i>For >40, Deduct</i>	-351.01	
26 56 13 00-0036	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,406.42	459.22
			<i>For Galvanized Finish, Add</i>	104.64	
			<i>For >10 To 20, Deduct</i>	-110.16	
			<i>For >20 To 40, Deduct</i>	-220.32	
			<i>For >40, Deduct</i>	-353.44	

26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms (26 56 13 00-0005)



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0038 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	3,955.61	399.33
For Galvanized Finish, Add	94.71	
For >10 To 20, Deduct	-98.89	
For >20 To 40, Deduct	-197.78	
For >40, Deduct	-316.64	
26 56 13 00-0039 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,001.20	419.29
For Galvanized Finish, Add	94.88	
For >10 To 20, Deduct	-100.03	
For >20 To 40, Deduct	-200.06	
For >40, Deduct	-321.05	
26 56 13 00-0040 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,055.25	439.26
For Galvanized Finish, Add	95.30	
For >10 To 20, Deduct	-101.38	
For >20 To 40, Deduct	-202.76	
For >40, Deduct	-326.11	
26 56 13 00-0041 EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,176.97	439.26
For Galvanized Finish, Add	98.95	
For >10 To 20, Deduct	-104.42	
For >20 To 40, Deduct	-208.85	
For >40, Deduct	-335.24	
26 56 13 00-0042 EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,225.27	459.22
For Galvanized Finish, Add	99.20	
For >10 To 20, Deduct	-105.63	
For >20 To 40, Deduct	-211.26	
For >40, Deduct	-339.86	
26 56 13 00-0043 EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,270.85	479.19
For Galvanized Finish, Add	99.37	
For >10 To 20, Deduct	-106.77	
For >20 To 40, Deduct	-213.54	
For >40, Deduct	-344.27	
26 56 13 00-0044 EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,448.66	459.22
For Galvanized Finish, Add	105.91	
For >10 To 20, Deduct	-111.22	
For >20 To 40, Deduct	-222.43	
For >40, Deduct	-356.61	
26 56 13 00-0045 EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,494.24	479.19
For Galvanized Finish, Add	106.08	
For >10 To 20, Deduct	-112.36	
For >20 To 40, Deduct	-224.71	
For >40, Deduct	-361.03	
26 56 13 00-0046 EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,539.85	499.16
For Galvanized Finish, Add	106.25	
For >10 To 20, Deduct	-113.50	
For >20 To 40, Deduct	-226.99	
For >40, Deduct	-365.45	
26 56 13 00-0047 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,800.00	479.19
For Galvanized Finish, Add	115.25	
For >10 To 20, Deduct	-120.00	
For >20 To 40, Deduct	-240.00	
For >40, Deduct	-383.96	
26 56 13 00-0048 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,845.32	499.16
For Galvanized Finish, Add	115.41	
For >10 To 20, Deduct	-121.13	
For >20 To 40, Deduct	-242.27	
For >40, Deduct	-388.36	
26 56 13 00-0049 EA 40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,896.59	519.12
For Galvanized Finish, Add	115.75	
For >10 To 20, Deduct	-122.41	
For >20 To 40, Deduct	-244.83	
For >40, Deduct	-393.20	
26 56 13 00-0050 Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms <small>(26 56 13 00-0005)</small>		
26 56 13 00-0051 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,403.25	439.26
For Galvanized Finish, Add	105.74	
For >10 To 20, Deduct	-110.08	
For >20 To 40, Deduct	-220.16	
For >40, Deduct	-352.21	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0052	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,471.59	469.21
			<i>For Galvanized Finish, Add</i>	106.00	
			<i>For >10 To 20, Deduct</i>	-111.79	
			<i>For >20 To 40, Deduct</i>	-223.58	
			<i>For >40, Deduct</i>	-358.83	
26 56	13 00-0053	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	4,537.06	499.16
			<i>For Galvanized Finish, Add</i>	106.16	
			<i>For >10 To 20, Deduct</i>	-113.43	
			<i>For >20 To 40, Deduct</i>	-226.85	
			<i>For >40, Deduct</i>	-365.24	
26 56	13 00-0054	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,659.27	479.19
			<i>For Galvanized Finish, Add</i>	111.03	
			<i>For >10 To 20, Deduct</i>	-116.48	
			<i>For >20 To 40, Deduct</i>	-232.96	
			<i>For >40, Deduct</i>	-373.40	
26 56	13 00-0055	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,725.12	509.14
			<i>For Galvanized Finish, Add</i>	111.21	
			<i>For >10 To 20, Deduct</i>	-118.13	
			<i>For >20 To 40, Deduct</i>	-236.26	
			<i>For >40, Deduct</i>	-379.84	
26 56	13 00-0056	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	4,758.33	539.09
			<i>For Galvanized Finish, Add</i>	110.40	
			<i>For >10 To 20, Deduct</i>	-118.96	
			<i>For >20 To 40, Deduct</i>	-237.92	
			<i>For >40, Deduct</i>	-383.83	
26 56	13 00-0057	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,020.71	499.16
			<i>For Galvanized Finish, Add</i>	120.67	
			<i>For >10 To 20, Deduct</i>	-125.52	
			<i>For >20 To 40, Deduct</i>	-251.04	
			<i>For >40, Deduct</i>	-401.51	
26 56	13 00-0058	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,124.77	529.11
			<i>For Galvanized Finish, Add</i>	122.00	
			<i>For >10 To 20, Deduct</i>	-128.12	
			<i>For >20 To 40, Deduct</i>	-256.24	
			<i>For >40, Deduct</i>	-410.81	
26 56	13 00-0059	EA	35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,154.81	559.06
			<i>For Galvanized Finish, Add</i>	121.10	
			<i>For >10 To 20, Deduct</i>	-128.87	
			<i>For >20 To 40, Deduct</i>	-257.74	
			<i>For >40, Deduct</i>	-414.56	
26 56	13 00-0060	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,244.59	519.12
			<i>For Galvanized Finish, Add</i>	126.19	
			<i>For >10 To 20, Deduct</i>	-131.11	
			<i>For >20 To 40, Deduct</i>	-262.23	
			<i>For >40, Deduct</i>	-419.30	
26 56	13 00-0061	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,310.04	549.07
			<i>For Galvanized Finish, Add</i>	126.36	
			<i>For >10 To 20, Deduct</i>	-132.75	
			<i>For >20 To 40, Deduct</i>	-265.50	
			<i>For >40, Deduct</i>	-425.71	
26 56	13 00-0062	EA	40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,378.39	579.02
			<i>For Galvanized Finish, Add</i>	126.61	
			<i>For >10 To 20, Deduct</i>	-134.46	
			<i>For >20 To 40, Deduct</i>	-268.92	
			<i>For >40, Deduct</i>	-432.33	
26 56	13 00-0063		Round Tapered, Steel Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0064)</small>		
26 56	13 00-0064		Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0063)</small>		
26 56	13 00-0065	EA	25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,139.53	319.45
			<i>For Galvanized Finish, Add</i>	75.02	
			<i>For >10 To 20, Deduct</i>	-78.49	
			<i>For >20 To 40, Deduct</i>	-156.98	
			<i>For >40, Deduct</i>	-251.44	
26 56	13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,554.52	359.39
			<i>For Galvanized Finish, Add</i>	85.07	
			<i>For >10 To 20, Deduct</i>	-88.86	
			<i>For >20 To 40, Deduct</i>	-177.73	
			<i>For >40, Deduct</i>	-284.56	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0067 EA 35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	3,641.12	379.36
For Galvanized Finish, Add	86.47	
For >10 To 20, Deduct	-91.03	
For >20 To 40, Deduct	-182.06	
For >40, Deduct	-292.05	
26 56 13 00-0068 EA 40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	4,396.83	399.33
For Galvanized Finish, Add	107.95	
For >10 To 20, Deduct	-109.92	
For >20 To 40, Deduct	-219.84	
For >40, Deduct	-349.73	
26 56 13 00-0069 Round Tapered, Steel Roadway Light Poles With Truss Style Arms (26 56 13 00-0004)		
26 56 13 00-0070 Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm (26 56 13 00-0069)		
26 56 13 00-0071 EA 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,140.52	319.45
For Galvanized Finish, Add	105.05	
For >10 To 20, Deduct	-103.51	
For >20 To 40, Deduct	-207.03	
For >40, Deduct	-326.51	
26 56 13 00-0072 EA 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,183.43	319.45
For Galvanized Finish, Add	106.34	
For >10 To 20, Deduct	-104.59	
For >20 To 40, Deduct	-209.17	
For >40, Deduct	-329.73	
26 56 13 00-0073 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,203.02	319.45
For Galvanized Finish, Add	106.92	
For >10 To 20, Deduct	-105.08	
For >20 To 40, Deduct	-210.15	
For >40, Deduct	-331.20	
26 56 13 00-0074 EA 30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,263.29	359.39
For Galvanized Finish, Add	106.34	
For >10 To 20, Deduct	-106.58	
For >20 To 40, Deduct	-213.16	
For >40, Deduct	-337.72	
26 56 13 00-0075 EA 30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,270.78	359.39
For Galvanized Finish, Add	106.56	
For >10 To 20, Deduct	-106.77	
For >20 To 40, Deduct	-213.54	
For >40, Deduct	-338.28	
26 56 13 00-0076 EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,348.16	359.39
For Galvanized Finish, Add	108.88	
For >10 To 20, Deduct	-108.70	
For >20 To 40, Deduct	-217.41	
For >40, Deduct	-344.08	
26 56 13 00-0077 EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,328.67	379.36
For Galvanized Finish, Add	107.10	
For >10 To 20, Deduct	-108.22	
For >20 To 40, Deduct	-216.43	
For >40, Deduct	-343.62	
26 56 13 00-0078 EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,373.98	379.36
For Galvanized Finish, Add	108.46	
For >10 To 20, Deduct	-109.35	
For >20 To 40, Deduct	-218.70	
For >40, Deduct	-347.02	
26 56 13 00-0079 EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,611.58	379.36
For Galvanized Finish, Add	115.59	
For >10 To 20, Deduct	-115.29	
For >20 To 40, Deduct	-230.58	
For >40, Deduct	-364.84	
26 56 13 00-0080 Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms (26 56 13 00-0069)		
26 56 13 00-0081 EA 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,441.88	399.33
For Galvanized Finish, Add	139.30	
For >10 To 20, Deduct	-136.05	
For >20 To 40, Deduct	-272.09	
For >40, Deduct	-428.11	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0082	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,522.90	419.29
			<i>For Galvanized Finish, Add</i>	140.53	
			<i>For >10 To 20, Deduct</i>	-138.07	
			<i>For >20 To 40, Deduct</i>	-276.15	
			<i>For >40, Deduct</i>	-435.18	
26 56	13 00-0083	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,724.11	439.26
			<i>For Galvanized Finish, Add</i>	145.37	
			<i>For >10 To 20, Deduct</i>	-143.10	
			<i>For >20 To 40, Deduct</i>	-286.21	
			<i>For >40, Deduct</i>	-451.27	
26 56	13 00-0084	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,497.93	439.26
			<i>For Galvanized Finish, Add</i>	138.58	
			<i>For >10 To 20, Deduct</i>	-137.45	
			<i>For >20 To 40, Deduct</i>	-274.90	
			<i>For >40, Deduct</i>	-434.31	
26 56	13 00-0085	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,750.13	459.22
			<i>For Galvanized Finish, Add</i>	144.95	
			<i>For >10 To 20, Deduct</i>	-143.75	
			<i>For >20 To 40, Deduct</i>	-287.51	
			<i>For >40, Deduct</i>	-454.22	
26 56	13 00-0086	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,894.50	479.19
			<i>For Galvanized Finish, Add</i>	148.08	
			<i>For >10 To 20, Deduct</i>	-147.36	
			<i>For >20 To 40, Deduct</i>	-294.73	
			<i>For >40, Deduct</i>	-466.05	
26 56	13 00-0087	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,656.43	459.22
			<i>For Galvanized Finish, Add</i>	142.14	
			<i>For >10 To 20, Deduct</i>	-141.41	
			<i>For >20 To 40, Deduct</i>	-282.82	
			<i>For >40, Deduct</i>	-447.19	
26 56	13 00-0088	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,999.14	479.19
			<i>For Galvanized Finish, Add</i>	151.22	
			<i>For >10 To 20, Deduct</i>	-149.98	
			<i>For >20 To 40, Deduct</i>	-299.96	
			<i>For >40, Deduct</i>	-473.89	
26 56	13 00-0089	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,194.60	499.16
			<i>For Galvanized Finish, Add</i>	155.89	
			<i>For >10 To 20, Deduct</i>	-154.87	
			<i>For >20 To 40, Deduct</i>	-309.73	
			<i>For >40, Deduct</i>	-489.55	
26 56	13 00-0090		Aluminum Roadway Light Poles <small>(26 56 13 00-0090)</small> Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56	13 00-0091		Round Tapered, Aluminum Roadway Light Poles <small>(26 56 13 00-0090)</small>		
26 56	13 00-0092		Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms <small>(26 56 13 00-0091)</small>		
26 56	13 00-0093		Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm <small>(26 56 13 00-0092)</small>		
26 56	13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,414.17	239.59
			<i>For >10 To 20, Deduct</i>	-60.35	
			<i>For >20 To 40, Deduct</i>	-120.71	
			<i>For >40, Deduct</i>	-193.04	
26 56	13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,437.59	239.59
			<i>For >10 To 20, Deduct</i>	-60.94	
			<i>For >20 To 40, Deduct</i>	-121.88	
			<i>For >40, Deduct</i>	-194.80	
26 56	13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,927.46	319.45
			<i>For >10 To 20, Deduct</i>	-73.19	
			<i>For >20 To 40, Deduct</i>	-146.37	
			<i>For >40, Deduct</i>	-235.53	
26 56	13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,971.72	319.45
			<i>For >10 To 20, Deduct</i>	-74.29	
			<i>For >20 To 40, Deduct</i>	-148.59	
			<i>For >40, Deduct</i>	-238.85	
26 56	13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,012.42	319.45
			<i>For >10 To 20, Deduct</i>	-75.31	
			<i>For >20 To 40, Deduct</i>	-150.62	
			<i>For >40, Deduct</i>	-241.90	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0099	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,369.44	359.39
			<i>For >10 To 20, Deduct</i>	-84.24	
			<i>For >20 To 40, Deduct</i>	-168.47	
			<i>For >40, Deduct</i>	-270.68	
26 56 13 00-0100	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,406.78	359.39
			<i>For >10 To 20, Deduct</i>	-85.17	
			<i>For >20 To 40, Deduct</i>	-170.34	
			<i>For >40, Deduct</i>	-273.48	
26 56 13 00-0101	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,448.54	359.39
			<i>For >10 To 20, Deduct</i>	-86.21	
			<i>For >20 To 40, Deduct</i>	-172.43	
			<i>For >40, Deduct</i>	-276.61	
26 56 13 00-0102	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,000.16	379.36
			<i>For >10 To 20, Deduct</i>	-100.00	
			<i>For >20 To 40, Deduct</i>	-200.01	
			<i>For >40, Deduct</i>	-318.98	
26 56 13 00-0103	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,037.41	379.36
			<i>For >10 To 20, Deduct</i>	-100.94	
			<i>For >20 To 40, Deduct</i>	-201.87	
			<i>For >40, Deduct</i>	-321.77	
26 56 13 00-0104	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,068.61	379.36
			<i>For >10 To 20, Deduct</i>	-101.72	
			<i>For >20 To 40, Deduct</i>	-203.43	
			<i>For >40, Deduct</i>	-324.11	
26 56 13 00-0105 Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms					
<i>(26 56 13 00-0092)</i>					
26 56 13 00-0106	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	2,759.96	279.53
			<i>For >10 To 20, Deduct</i>	-69.00	
			<i>For >20 To 40, Deduct</i>	-138.00	
			<i>For >40, Deduct</i>	-220.97	
26 56 13 00-0107	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	2,989.49	279.53
			<i>For >10 To 20, Deduct</i>	-74.74	
			<i>For >20 To 40, Deduct</i>	-149.47	
			<i>For >40, Deduct</i>	-238.19	
26 56 13 00-0108	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,074.15	299.49
			<i>For >10 To 20, Deduct</i>	-76.85	
			<i>For >20 To 40, Deduct</i>	-153.71	
			<i>For >40, Deduct</i>	-245.54	
26 56 13 00-0109	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,260.67	359.39
			<i>For >10 To 20, Deduct</i>	-81.52	
			<i>For >20 To 40, Deduct</i>	-163.03	
			<i>For >40, Deduct</i>	-262.52	
26 56 13 00-0110	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,426.75	369.38
			<i>For >10 To 20, Deduct</i>	-85.67	
			<i>For >20 To 40, Deduct</i>	-171.34	
			<i>For >40, Deduct</i>	-275.48	
26 56 13 00-0111	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,671.84	379.36
			<i>For >10 To 20, Deduct</i>	-91.80	
			<i>For >20 To 40, Deduct</i>	-183.59	
			<i>For >40, Deduct</i>	-294.36	
26 56 13 00-0112	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,783.10	399.33
			<i>For >10 To 20, Deduct</i>	-94.58	
			<i>For >20 To 40, Deduct</i>	-189.16	
			<i>For >40, Deduct</i>	-303.70	
26 56 13 00-0113	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,938.61	409.31
			<i>For >10 To 20, Deduct</i>	-98.47	
			<i>For >20 To 40, Deduct</i>	-196.93	
			<i>For >40, Deduct</i>	-315.86	
26 56 13 00-0114	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,131.19	419.29
			<i>For >10 To 20, Deduct</i>	-103.28	
			<i>For >20 To 40, Deduct</i>	-206.56	
			<i>For >40, Deduct</i>	-330.80	
26 56 13 00-0115	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,334.23	419.29
			<i>For >10 To 20, Deduct</i>	-108.36	
			<i>For >20 To 40, Deduct</i>	-216.71	
			<i>For >40, Deduct</i>	-346.03	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,776.79	429.28
		<i>For >10 To 20, Deduct</i>	-119.42	
		<i>For >20 To 40, Deduct</i>	-238.84	
		<i>For >40, Deduct</i>	-379.72	
26 56 13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,293.55	439.26
		<i>For >10 To 20, Deduct</i>	-132.34	
		<i>For >20 To 40, Deduct</i>	-264.68	
		<i>For >40, Deduct</i>	-418.98	
26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms <small>(26 56 13 00-0092)</small>				
26 56 13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,209.32	319.45
		<i>For >10 To 20, Deduct</i>	-80.23	
		<i>For >20 To 40, Deduct</i>	-160.47	
		<i>For >40, Deduct</i>	-256.67	
26 56 13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,434.92	339.43
		<i>For >10 To 20, Deduct</i>	-85.87	
		<i>For >20 To 40, Deduct</i>	-171.75	
		<i>For >40, Deduct</i>	-274.59	
26 56 13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,888.79	399.33
		<i>For >10 To 20, Deduct</i>	-97.22	
		<i>For >20 To 40, Deduct</i>	-194.44	
		<i>For >40, Deduct</i>	-311.63	
26 56 13 00-0122	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,051.51	419.29
		<i>For >10 To 20, Deduct</i>	-101.29	
		<i>For >20 To 40, Deduct</i>	-202.58	
		<i>For >40, Deduct</i>	-324.83	
26 56 13 00-0123	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,242.83	439.26
		<i>For >10 To 20, Deduct</i>	-106.07	
		<i>For >20 To 40, Deduct</i>	-212.14	
		<i>For >40, Deduct</i>	-340.18	
26 56 13 00-0124	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,388.47	459.22
		<i>For >10 To 20, Deduct</i>	-109.71	
		<i>For >20 To 40, Deduct</i>	-219.42	
		<i>For >40, Deduct</i>	-352.10	
26 56 13 00-0125	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,608.31	459.22
		<i>For >10 To 20, Deduct</i>	-115.21	
		<i>For >20 To 40, Deduct</i>	-230.42	
		<i>For >40, Deduct</i>	-368.58	
26 56 13 00-0126	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,038.37	479.19
		<i>For >10 To 20, Deduct</i>	-125.96	
		<i>For >20 To 40, Deduct</i>	-251.92	
		<i>For >40, Deduct</i>	-401.84	
26 56 13 00-0127	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,853.38	499.16
		<i>For >10 To 20, Deduct</i>	-146.33	
		<i>For >20 To 40, Deduct</i>	-292.67	
		<i>For >40, Deduct</i>	-463.96	
26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms <small>(26 56 13 00-0092)</small>				
26 56 13 00-0129	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	3,288.60	359.39
		<i>For >10 To 20, Deduct</i>	-82.22	
		<i>For >20 To 40, Deduct</i>	-164.43	
		<i>For >40, Deduct</i>	-264.61	
26 56 13 00-0130	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	3,429.15	359.39
		<i>For >10 To 20, Deduct</i>	-85.73	
		<i>For >20 To 40, Deduct</i>	-171.46	
		<i>For >40, Deduct</i>	-275.16	
26 56 13 00-0131	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,251.57	439.26
		<i>For >10 To 20, Deduct</i>	-106.29	
		<i>For >20 To 40, Deduct</i>	-212.58	
		<i>For >40, Deduct</i>	-340.83	
26 56 13 00-0132	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,611.08	469.21
		<i>For >10 To 20, Deduct</i>	-115.28	
		<i>For >20 To 40, Deduct</i>	-230.55	
		<i>For >40, Deduct</i>	-369.29	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0133 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,822.47	479.19
For >10 To 20, Deduct	-120.56	
For >20 To 40, Deduct	-241.12	
For >40, Deduct	-385.64	
26 56 13 00-0134 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,150.88	509.14
For >10 To 20, Deduct	-128.77	
For >20 To 40, Deduct	-257.54	
For >40, Deduct	-411.77	
26 56 13 00-0135 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,085.22	499.16
For >10 To 20, Deduct	-127.13	
For >20 To 40, Deduct	-254.26	
For >40, Deduct	-406.35	
26 56 13 00-0136 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,833.15	529.11
For >10 To 20, Deduct	-145.83	
For >20 To 40, Deduct	-291.66	
For >40, Deduct	-463.94	
26 56 13 00-0137 EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	6,489.98	559.06
For >10 To 20, Deduct	-162.25	
For >20 To 40, Deduct	-324.50	
For >40, Deduct	-514.70	
26 56 13 00-0138 Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0138)</small>		
26 56 13 00-0139 Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0139)</small>		
26 56 13 00-0140 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	3,577.77	319.45
For >10 To 20, Deduct	-89.44	
For >20 To 40, Deduct	-178.89	
For >40, Deduct	-284.31	
26 56 13 00-0141 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	3,609.06	319.45
For >10 To 20, Deduct	-90.23	
For >20 To 40, Deduct	-180.45	
For >40, Deduct	-286.65	
26 56 13 00-0142 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	3,689.03	319.45
For >10 To 20, Deduct	-92.23	
For >20 To 40, Deduct	-184.45	
For >40, Deduct	-292.65	
26 56 13 00-0143 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	3,809.03	319.45
For >10 To 20, Deduct	-95.23	
For >20 To 40, Deduct	-190.45	
For >40, Deduct	-301.65	
26 56 13 00-0144 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,028.67	359.39
For >10 To 20, Deduct	-100.72	
For >20 To 40, Deduct	-201.43	
For >40, Deduct	-320.12	
26 56 13 00-0145 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,099.23	359.39
For >10 To 20, Deduct	-102.48	
For >20 To 40, Deduct	-204.96	
For >40, Deduct	-325.41	
26 56 13 00-0146 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,174.49	359.39
For >10 To 20, Deduct	-104.36	
For >20 To 40, Deduct	-208.72	
For >40, Deduct	-331.06	
26 56 13 00-0147 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,628.48	359.39
For >10 To 20, Deduct	-115.71	
For >20 To 40, Deduct	-231.42	
For >40, Deduct	-365.11	
26 56 13 00-0148 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,391.46	379.36
For >10 To 20, Deduct	-109.79	
For >20 To 40, Deduct	-219.57	
For >40, Deduct	-348.33	
26 56 13 00-0149 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,973.98	379.36
For >10 To 20, Deduct	-124.35	
For >20 To 40, Deduct	-248.70	
For >40, Deduct	-392.02	
26 56 13 00-0150 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	5,030.72	379.36
For >10 To 20, Deduct	-125.77	
For >20 To 40, Deduct	-251.54	
For >40, Deduct	-396.27	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0151	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,390.91	379.36
		<i>For >10 To 20, Deduct</i>	-134.77	
		<i>For >20 To 40, Deduct</i>	-269.55	
		<i>For >40, Deduct</i>	-423.29	
26 56 13 00-0152	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,719.42	379.36
		<i>For >10 To 20, Deduct</i>	-142.99	
		<i>For >20 To 40, Deduct</i>	-285.97	
		<i>For >40, Deduct</i>	-447.92	
26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms <small>(26 56 13 00-0138)</small>				
26 56 13 00-0154	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	4,662.75	399.33
		<i>For >10 To 20, Deduct</i>	-116.57	
		<i>For >20 To 40, Deduct</i>	-233.14	
		<i>For >40, Deduct</i>	-369.67	
26 56 13 00-0155	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	4,782.64	419.29
		<i>For >10 To 20, Deduct</i>	-119.57	
		<i>For >20 To 40, Deduct</i>	-239.13	
		<i>For >40, Deduct</i>	-379.66	
26 56 13 00-0156	EA	25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	4,874.03	439.26
		<i>For >10 To 20, Deduct</i>	-121.85	
		<i>For >20 To 40, Deduct</i>	-243.70	
		<i>For >40, Deduct</i>	-387.52	
26 56 13 00-0157	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,011.12	439.26
		<i>For >10 To 20, Deduct</i>	-125.28	
		<i>For >20 To 40, Deduct</i>	-250.56	
		<i>For >40, Deduct</i>	-397.80	
26 56 13 00-0158	EA	30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,467.89	459.22
		<i>For >10 To 20, Deduct</i>	-136.70	
		<i>For >20 To 40, Deduct</i>	-273.39	
		<i>For >40, Deduct</i>	-433.05	
26 56 13 00-0159	EA	30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,330.24	479.19
		<i>For >10 To 20, Deduct</i>	-158.26	
		<i>For >20 To 40, Deduct</i>	-316.51	
		<i>For >40, Deduct</i>	-498.73	
26 56 13 00-0160	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,127.51	459.22
		<i>For >10 To 20, Deduct</i>	-153.19	
		<i>For >20 To 40, Deduct</i>	-306.38	
		<i>For >40, Deduct</i>	-482.52	
26 56 13 00-0161	EA	35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,234.43	479.19
		<i>For >10 To 20, Deduct</i>	-155.86	
		<i>For >20 To 40, Deduct</i>	-311.72	
		<i>For >40, Deduct</i>	-491.54	
26 56 13 00-0162	EA	35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	7,680.77	499.16
		<i>For >10 To 20, Deduct</i>	-192.02	
		<i>For >20 To 40, Deduct</i>	-384.04	
		<i>For >40, Deduct</i>	-601.02	
26 56 13 00-0163 Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0091)</small>				
26 56 13 00-0164 Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0163)</small>				
26 56 13 00-0165	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	2,961.17	239.59
		<i>For >10 To 20, Deduct</i>	-74.03	
		<i>For >20 To 40, Deduct</i>	-148.06	
		<i>For >40, Deduct</i>	-234.07	
26 56 13 00-0166	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	3,049.59	239.59
		<i>For >10 To 20, Deduct</i>	-76.24	
		<i>For >20 To 40, Deduct</i>	-152.48	
		<i>For >40, Deduct</i>	-240.70	
26 56 13 00-0167	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	3,138.20	239.59
		<i>For >10 To 20, Deduct</i>	-78.46	
		<i>For >20 To 40, Deduct</i>	-156.91	
		<i>For >40, Deduct</i>	-247.34	
26 56 13 00-0168	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,482.44	319.45
		<i>For >10 To 20, Deduct</i>	-87.06	
		<i>For >20 To 40, Deduct</i>	-174.12	
		<i>For >40, Deduct</i>	-277.16	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0169 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,549.83	319.45
For >10 To 20, Deduct	-88.75	
For >20 To 40, Deduct	-177.49	
For >40, Deduct	-282.21	
26 56 13 00-0170 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,623.46	319.45
For >10 To 20, Deduct	-90.59	
For >20 To 40, Deduct	-181.17	
For >40, Deduct	-287.73	
26 56 13 00-0171 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,931.71	359.39
For >10 To 20, Deduct	-98.29	
For >20 To 40, Deduct	-196.59	
For >40, Deduct	-312.85	
26 56 13 00-0172 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,023.20	359.39
For >10 To 20, Deduct	-100.58	
For >20 To 40, Deduct	-201.16	
For >40, Deduct	-319.71	
26 56 13 00-0173 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,036.92	359.39
For >10 To 20, Deduct	-100.92	
For >20 To 40, Deduct	-201.85	
For >40, Deduct	-320.74	
26 56 13 00-0174 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,297.18	379.36
For >10 To 20, Deduct	-107.43	
For >20 To 40, Deduct	-214.86	
For >40, Deduct	-341.26	
26 56 13 00-0175 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,337.31	379.36
For >10 To 20, Deduct	-108.43	
For >20 To 40, Deduct	-216.87	
For >40, Deduct	-344.27	
26 56 13 00-0176 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,431.39	379.36
For >10 To 20, Deduct	-110.78	
For >20 To 40, Deduct	-221.57	
For >40, Deduct	-351.32	
26 56 13 00-0177 Area Light Poles <small>(26 56 13 00-0001)</small>		
26 56 13 00-0178 Steel Area Light Poles <small>(26 56 13 00-0177)</small>		
Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0179 Round Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0180 Round Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0179)</small>		
26 56 13 00-0181 EA 10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	676.63	139.76
For Galvanized Finish, Add	11.91	
For >10 To 20, Deduct	-22.87	
For >20 To 40, Deduct	-41.77	
For >40, Deduct	-87.52	
26 56 13 00-0182 EA 12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	738.55	159.73
For Galvanized Finish, Add	12.57	
For >10 To 20, Deduct	-24.75	
For >20 To 40, Deduct	-45.31	
For >40, Deduct	-94.81	
26 56 13 00-0183 EA 14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	825.79	179.70
For Galvanized Finish, Add	13.99	
For >10 To 20, Deduct	-27.64	
For >20 To 40, Deduct	-50.62	
For >40, Deduct	-105.90	
26 56 13 00-0184 EA 16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	915.23	199.66
For Galvanized Finish, Add	15.48	
For >10 To 20, Deduct	-30.62	
For >20 To 40, Deduct	-56.08	
For >40, Deduct	-117.32	
26 56 13 00-0185 EA 18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	977.16	219.63
For Galvanized Finish, Add	16.14	
For >10 To 20, Deduct	-32.50	
For >20 To 40, Deduct	-59.62	
For >40, Deduct	-124.61	
26 56 13 00-0186 EA 20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,033.59	239.59
For Galvanized Finish, Add	16.63	
For >10 To 20, Deduct	-34.16	
For >20 To 40, Deduct	-62.77	
For >40, Deduct	-131.08	
26 56 13 00-0187 EA 10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	705.23	139.76
For Galvanized Finish, Add	12.77	
For >10 To 20, Deduct	-24.02	
For >20 To 40, Deduct	-43.78	
For >40, Deduct	-91.81	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0188 EA 12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	768.25	159.73
For Galvanized Finish, Add	13.46	
For >10 To 20, Deduct	-25.94	
For >20 To 40, Deduct	-47.39	
For >40, Deduct	-99.27	
26 56 13 00-0189 EA 14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	885.19	179.70
For Galvanized Finish, Add	15.77	
For >10 To 20, Deduct	-30.02	
For >20 To 40, Deduct	-54.78	
For >40, Deduct	-114.81	
26 56 13 00-0190 EA 16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	953.73	199.66
For Galvanized Finish, Add	16.63	
For >10 To 20, Deduct	-32.16	
For >20 To 40, Deduct	-58.77	
For >40, Deduct	-123.09	
26 56 13 00-0191 EA 18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,018.96	219.63
For Galvanized Finish, Add	17.39	
For >10 To 20, Deduct	-34.17	
For >20 To 40, Deduct	-62.54	
For >40, Deduct	-130.88	
26 56 13 00-0192 EA 20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,073.19	239.59
For Galvanized Finish, Add	17.82	
For >10 To 20, Deduct	-35.74	
For >20 To 40, Deduct	-65.54	
For >40, Deduct	-137.02	
26 56 13 00-0193 EA 25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,273.62	319.45
For Galvanized Finish, Add	19.04	
For >10 To 20, Deduct	-41.36	
For >20 To 40, Deduct	-76.38	
For >40, Deduct	-159.10	
26 56 13 00-0194 EA 10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	705.23	139.76
For Galvanized Finish, Add	12.77	
For >10 To 20, Deduct	-24.02	
For >20 To 40, Deduct	-43.78	
For >40, Deduct	-91.81	
26 56 13 00-0195 EA 12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	771.55	159.73
For Galvanized Finish, Add	13.56	
For >10 To 20, Deduct	-26.07	
For >20 To 40, Deduct	-47.62	
For >40, Deduct	-99.76	
26 56 13 00-0196 EA 14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	902.79	179.70
For Galvanized Finish, Add	16.30	
For >10 To 20, Deduct	-30.72	
For >20 To 40, Deduct	-56.01	
For >40, Deduct	-117.45	
26 56 13 00-0197 EA 16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	957.03	199.66
For Galvanized Finish, Add	16.73	
For >10 To 20, Deduct	-32.29	
For >20 To 40, Deduct	-59.01	
For >40, Deduct	-123.59	
26 56 13 00-0198 EA 18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,018.96	219.63
For Galvanized Finish, Add	17.39	
For >10 To 20, Deduct	-34.17	
For >20 To 40, Deduct	-62.54	
For >40, Deduct	-130.88	
26 56 13 00-0199 EA 20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,073.19	239.59
For Galvanized Finish, Add	17.82	
For >10 To 20, Deduct	-35.74	
For >20 To 40, Deduct	-65.54	
For >40, Deduct	-137.02	
26 56 13 00-0200 EA 25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,304.42	319.45
For Galvanized Finish, Add	19.97	
For >10 To 20, Deduct	-42.59	
For >20 To 40, Deduct	-78.53	
For >40, Deduct	-163.72	
26 56 13 00-0201 EA 30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,441.48	359.39
For Galvanized Finish, Add	21.68	
For >10 To 20, Deduct	-46.88	
For >20 To 40, Deduct	-86.53	
For >40, Deduct	-180.28	
26 56 13 00-0202 EA 20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,143.59	239.59
For Galvanized Finish, Add	19.93	
For >10 To 20, Deduct	-38.56	
For >20 To 40, Deduct	-70.47	
For >40, Deduct	-147.58	
26 56 13 00-0203 EA 25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,318.72	319.45
For Galvanized Finish, Add	20.39	
For >10 To 20, Deduct	-43.17	
For >20 To 40, Deduct	-79.53	
For >40, Deduct	-165.86	
26 56 13 00-0204 EA 30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,468.98	359.39
For Galvanized Finish, Add	22.51	
For >10 To 20, Deduct	-47.98	
For >20 To 40, Deduct	-88.45	
For >40, Deduct	-184.41	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0205 Round Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0206 Round Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0205)</small>		
26 56 13 00-0207 EA 20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,392.19	239.59
For Galvanized Finish, Add	27.39	
For >10 To 20, Deduct	-48.50	
For >20 To 40, Deduct	-87.87	
For >40, Deduct	-184.87	
26 56 13 00-0208 EA 20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,426.29	239.59
For Galvanized Finish, Add	28.41	
For >10 To 20, Deduct	-49.86	
For >20 To 40, Deduct	-90.26	
For >40, Deduct	-189.98	
26 56 13 00-0209 EA 25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,660.82	319.45
For Galvanized Finish, Add	30.66	
For >10 To 20, Deduct	-56.85	
For >20 To 40, Deduct	-103.48	
For >40, Deduct	-217.18	
26 56 13 00-0210 EA 25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,731.22	319.45
For Galvanized Finish, Add	32.77	
For >10 To 20, Deduct	-59.67	
For >20 To 40, Deduct	-108.41	
For >40, Deduct	-227.74	
26 56 13 00-0211 EA 30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,850.68	359.39
For Galvanized Finish, Add	33.96	
For >10 To 20, Deduct	-63.25	
For >20 To 40, Deduct	-115.17	
For >40, Deduct	-241.66	
26 56 13 00-0212 EA 30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,968.38	359.39
For Galvanized Finish, Add	37.49	
For >10 To 20, Deduct	-67.95	
For >20 To 40, Deduct	-123.41	
For >40, Deduct	-259.32	
26 56 13 00-0213 EA 35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,032.52	379.36
For Galvanized Finish, Add	38.21	
For >10 To 20, Deduct	-69.92	
For >20 To 40, Deduct	-127.10	
For >40, Deduct	-266.94	
26 56 13 00-0214 EA 35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,105.12	379.36
For Galvanized Finish, Add	40.39	
For >10 To 20, Deduct	-72.82	
For >20 To 40, Deduct	-132.18	
For >40, Deduct	-277.83	
26 56 13 00-0215 EA 35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,278.92	379.36
For Galvanized Finish, Add	45.61	
For >10 To 20, Deduct	-79.78	
For >20 To 40, Deduct	-144.35	
For >40, Deduct	-303.90	
26 56 13 00-0216 EA 39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,305.65	399.33
For Galvanized Finish, Add	45.21	
For >10 To 20, Deduct	-80.25	
For >20 To 40, Deduct	-145.42	
For >40, Deduct	-305.92	
26 56 13 00-0217 EA 39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,336.45	399.33
For Galvanized Finish, Add	46.13	
For >10 To 20, Deduct	-81.48	
For >20 To 40, Deduct	-147.58	
For >40, Deduct	-310.54	
26 56 13 00-0218 EA 45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,168.95	519.12
For Galvanized Finish, Add	63.92	
For >10 To 20, Deduct	-111.18	
For >20 To 40, Deduct	-201.06	
For >40, Deduct	-423.43	
26 56 13 00-0219 EA 50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,322.08	598.98
For Galvanized Finish, Add	63.72	
For >10 To 20, Deduct	-114.91	
For >20 To 40, Deduct	-208.59	
For >40, Deduct	-438.41	
26 56 13 00-0220 EA 25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,208.62	319.45
For Galvanized Finish, Add	47.09	
For >10 To 20, Deduct	-78.76	
For >20 To 40, Deduct	-141.83	
For >40, Deduct	-299.35	
26 56 13 00-0221 EA 30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,506.28	359.39
For Galvanized Finish, Add	53.63	
For >10 To 20, Deduct	-89.47	
For >20 To 40, Deduct	-161.06	
For >40, Deduct	-340.00	
26 56 13 00-0222 EA 39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,898.55	399.33
For Galvanized Finish, Add	63.00	
For >10 To 20, Deduct	-103.96	
For >20 To 40, Deduct	-186.93	
For >40, Deduct	-394.85	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,512.15	519.12
			<i>For Galvanized Finish, Add</i>	74.22	
			<i>For >10 To 20, Deduct</i>	-124.91	
			<i>For >20 To 40, Deduct</i>	-225.09	
			<i>For >40, Deduct</i>	-474.91	
26 56	13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,096.48	598.98
			<i>For Galvanized Finish, Add</i>	86.96	
			<i>For >10 To 20, Deduct</i>	-145.89	
			<i>For >20 To 40, Deduct</i>	-262.79	
			<i>For >40, Deduct</i>	-554.57	
26 56	13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,544.18	598.98
			<i>For Galvanized Finish, Add</i>	100.39	
			<i>For >10 To 20, Deduct</i>	-163.80	
			<i>For >20 To 40, Deduct</i>	-294.13	
			<i>For >40, Deduct</i>	-621.73	
26 56	13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	6,040.18	598.98
			<i>For Galvanized Finish, Add</i>	145.27	
			<i>For >10 To 20, Deduct</i>	-223.64	
			<i>For >20 To 40, Deduct</i>	-398.85	
			<i>For >40, Deduct</i>	-846.13	
26 56	13 00-0227	EA	50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	6,766.18	598.98
			<i>For Galvanized Finish, Add</i>	167.05	
			<i>For >10 To 20, Deduct</i>	-252.68	
			<i>For >20 To 40, Deduct</i>	-449.67	
			<i>For >40, Deduct</i>	-955.03	
26 56	13 00-0228		Square Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56	13 00-0229		Square Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0228)</small>		
26 56	13 00-0230	EA	10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	667.83	139.76
			<i>For Galvanized Finish, Add</i>	11.65	
			<i>For >10 To 20, Deduct</i>	-22.52	
			<i>For >20 To 40, Deduct</i>	-41.16	
			<i>For >40, Deduct</i>	-86.20	
26 56	13 00-0231	EA	12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	707.75	159.73
			<i>For Galvanized Finish, Add</i>	11.65	
			<i>For >10 To 20, Deduct</i>	-23.52	
			<i>For >20 To 40, Deduct</i>	-43.15	
			<i>For >40, Deduct</i>	-90.19	
26 56	13 00-0232	EA	14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	766.39	179.70
			<i>For Galvanized Finish, Add</i>	12.21	
			<i>For >10 To 20, Deduct</i>	-25.26	
			<i>For >20 To 40, Deduct</i>	-46.46	
			<i>For >40, Deduct</i>	-96.99	
26 56	13 00-0233	EA	15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	812.76	189.68
			<i>For Galvanized Finish, Add</i>	13.00	
			<i>For >10 To 20, Deduct</i>	-26.82	
			<i>For >20 To 40, Deduct</i>	-49.31	
			<i>For >40, Deduct</i>	-102.95	
26 56	13 00-0234	EA	16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	832.73	199.66
			<i>For Galvanized Finish, Add</i>	13.00	
			<i>For >10 To 20, Deduct</i>	-27.32	
			<i>For >20 To 40, Deduct</i>	-50.30	
			<i>For >40, Deduct</i>	-104.94	
26 56	13 00-0235	EA	18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	884.76	219.63
			<i>For Galvanized Finish, Add</i>	13.37	
			<i>For >10 To 20, Deduct</i>	-28.80	
			<i>For >20 To 40, Deduct</i>	-53.15	
			<i>For >40, Deduct</i>	-110.75	
26 56	13 00-0236	EA	20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	934.59	239.59
			<i>For Galvanized Finish, Add</i>	13.66	
			<i>For >10 To 20, Deduct</i>	-30.20	
			<i>For >20 To 40, Deduct</i>	-55.84	
			<i>For >40, Deduct</i>	-116.23	
26 56	13 00-0237	EA	25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,160.32	319.45
			<i>For Galvanized Finish, Add</i>	15.64	
			<i>For >10 To 20, Deduct</i>	-36.83	
			<i>For >20 To 40, Deduct</i>	-68.44	
			<i>For >40, Deduct</i>	-142.10	
26 56	13 00-0238	EA	20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,083.09	239.59
			<i>For Galvanized Finish, Add</i>	18.12	
			<i>For >10 To 20, Deduct</i>	-36.14	
			<i>For >20 To 40, Deduct</i>	-66.23	
			<i>For >40, Deduct</i>	-138.50	
26 56	13 00-0239	EA	25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,364.92	319.45
			<i>For Galvanized Finish, Add</i>	21.78	
			<i>For >10 To 20, Deduct</i>	-45.01	
			<i>For >20 To 40, Deduct</i>	-82.77	
			<i>For >40, Deduct</i>	-172.79	
26 56	13 00-0240	EA	30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,564.68	359.39
			<i>For Galvanized Finish, Add</i>	25.38	
			<i>For >10 To 20, Deduct</i>	-51.81	
			<i>For >20 To 40, Deduct</i>	-95.15	
			<i>For >40, Deduct</i>	-198.76	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0241 EA 20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,042.39 16.90 -34.51 -63.38 -132.40	239.59
26 56 13 00-0242 EA 25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,285.72 19.40 -41.85 -77.22 -160.91	319.45
26 56 13 00-0243 EA 30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,496.48 23.33 -49.08 -90.38 -188.53	359.39
26 56 13 00-0244 EA 20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,182.09 21.09 -40.10 -73.16 -153.35	239.59
26 56 13 00-0245 EA 25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,463.92 24.75 -48.97 -89.70 -187.64	319.45
26 56 13 00-0246 EA 30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,658.18 28.18 -55.55 -101.70 -212.79	359.39
26 56 13 00-0247 EA 35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,834.52 32.27 -62.00 -113.24 -237.24	379.36
26 56 13 00-0248 EA 30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,874.88 34.68 -64.21 -116.87 -245.29	359.39
26 56 13 00-0249 EA 35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,052.32 38.81 -70.71 -128.49 -269.91	379.36
26 56 13 00-0250 EA 40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,170.35 41.15 -74.83 -135.95 -285.62	399.33
26 56 13 00-0251 Hinged, Square Straight, Steel Area Light Poles (26 56 13 00-0178)		
26 56 13 00-0252 Hinged, Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0251)		
26 56 13 00-0253 EA 20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,303.22 54.72 -84.94 -151.64 -321.52	239.59
26 56 13 00-0254 EA 25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,586.97 58.44 -93.90 -168.31 -356.10	319.45
26 56 13 00-0255 EA 30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,593.47 86.24 -132.96 -237.17 -503.08	359.39
26 56 13 00-0256 EA 20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,347.68 56.05 -86.72 -154.75 -328.19	239.59
26 56 13 00-0257 EA 25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,845.54 66.20 -104.24 -186.41 -394.89	319.45
26 56 13 00-0258 EA 30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,978.40 97.79 -148.35 -264.11 -560.82	359.39

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0259 EA 35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,555.37	379.36
For Galvanized Finish, Add	113.90	
For >10 To 20, Deduct	-170.83	
For >20 To 40, Deduct	-303.70	
For >40, Deduct	-645.37	
26 56 13 00-0260 EA 39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,340.59	399.33
For Galvanized Finish, Add	136.26	
For >10 To 20, Deduct	-201.64	
For >20 To 40, Deduct	-357.87	
For >40, Deduct	-761.16	
26 56 13 00-0261 EA 20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,233.02	239.59
For Galvanized Finish, Add	52.61	
For >10 To 20, Deduct	-82.13	
For >20 To 40, Deduct	-146.73	
For >40, Deduct	-310.99	
26 56 13 00-0262 EA 25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,474.65	319.45
For Galvanized Finish, Add	55.07	
For >10 To 20, Deduct	-89.40	
For >20 To 40, Deduct	-160.45	
For >40, Deduct	-339.25	
26 56 13 00-0263 EA 30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,395.74	359.39
For Galvanized Finish, Add	80.31	
For >10 To 20, Deduct	-125.05	
For >20 To 40, Deduct	-223.33	
For >40, Deduct	-473.42	
26 56 13 00-0264 EA 20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,313.75	239.59
For Galvanized Finish, Add	55.04	
For >10 To 20, Deduct	-85.36	
For >20 To 40, Deduct	-152.38	
For >40, Deduct	-323.10	
26 56 13 00-0265 EA 25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,740.24	319.45
For Galvanized Finish, Add	63.04	
For >10 To 20, Deduct	-100.03	
For >20 To 40, Deduct	-179.04	
For >40, Deduct	-379.09	
26 56 13 00-0266 EA 30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base	3,832.15	359.39
For Galvanized Finish, Add	93.40	
For >10 To 20, Deduct	-142.50	
For >20 To 40, Deduct	-253.87	
For >40, Deduct	-538.88	
26 56 13 00-0267 EA 20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,437.77	239.59
For Galvanized Finish, Add	58.76	
For >10 To 20, Deduct	-90.32	
For >20 To 40, Deduct	-161.06	
For >40, Deduct	-341.71	
26 56 13 00-0268 EA 25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,963.71	319.45
For Galvanized Finish, Add	69.74	
For >10 To 20, Deduct	-108.96	
For >20 To 40, Deduct	-194.68	
For >40, Deduct	-412.61	
26 56 13 00-0269 EA 30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,095.40	359.39
For Galvanized Finish, Add	101.30	
For >10 To 20, Deduct	-153.03	
For >20 To 40, Deduct	-272.30	
For >40, Deduct	-578.37	
26 56 13 00-0270 EA 35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,698.11	379.36
For Galvanized Finish, Add	118.18	
For >10 To 20, Deduct	-176.54	
For >20 To 40, Deduct	-313.69	
For >40, Deduct	-666.78	
26 56 13 00-0271 EA 39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,416.64	399.33
For Galvanized Finish, Add	138.54	
For >10 To 20, Deduct	-204.69	
For >20 To 40, Deduct	-363.19	
For >40, Deduct	-772.56	
26 56 13 00-0272 Square Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0273 Square Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0272)</small>		
26 56 13 00-0274 EA 20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	1,762.89	239.59
For Galvanized Finish, Add	38.51	
For >10 To 20, Deduct	-63.33	
For >20 To 40, Deduct	-113.82	
For >40, Deduct	-240.47	
26 56 13 00-0275 EA 25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,149.22	319.45
For Galvanized Finish, Add	45.31	
For >10 To 20, Deduct	-76.39	
For >20 To 40, Deduct	-137.67	
For >40, Deduct	-290.44	
26 56 13 00-0276 EA 30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,392.98	359.39
For Galvanized Finish, Add	50.23	
For >10 To 20, Deduct	-84.94	
For >20 To 40, Deduct	-153.13	
For >40, Deduct	-323.01	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0277 EA 35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,649.62	379.36
For Galvanized Finish, Add	56.73	
For >10 To 20, Deduct	-94.60	
For >20 To 40, Deduct	-170.30	
For >40, Deduct	-359.51	
26 56 13 00-0278 EA 39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,792.95	399.33
For Galvanized Finish, Add	59.83	
For >10 To 20, Deduct	-99.74	
For >20 To 40, Deduct	-179.53	
For >40, Deduct	-379.01	
26 56 13 00-0279 EA 20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,256.79	239.59
For Galvanized Finish, Add	53.33	
For >10 To 20, Deduct	-83.08	
For >20 To 40, Deduct	-148.39	
For >40, Deduct	-314.56	
26 56 13 00-0280 EA 25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,536.42	319.45
For Galvanized Finish, Add	56.93	
For >10 To 20, Deduct	-91.87	
For >20 To 40, Deduct	-164.77	
For >40, Deduct	-348.52	
26 56 13 00-0281 EA 30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,709.78	359.39
For Galvanized Finish, Add	59.73	
For >10 To 20, Deduct	-97.61	
For >20 To 40, Deduct	-175.31	
For >40, Deduct	-370.53	
26 56 13 00-0282 EA 30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,000.18	359.39
For Galvanized Finish, Add	68.44	
For >10 To 20, Deduct	-109.23	
For >20 To 40, Deduct	-195.64	
For >40, Deduct	-414.09	
26 56 13 00-0283 EA 35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,249.12	379.36
For Galvanized Finish, Add	74.71	
For >10 To 20, Deduct	-118.58	
For >20 To 40, Deduct	-212.26	
For >40, Deduct	-449.43	
26 56 13 00-0284 EA 35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,608.82	379.36
For Galvanized Finish, Add	85.50	
For >10 To 20, Deduct	-132.97	
For >20 To 40, Deduct	-237.44	
For >40, Deduct	-503.39	
26 56 13 00-0285 EA 39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,305.55	399.33
For Galvanized Finish, Add	75.21	
For >10 To 20, Deduct	-120.24	
For >20 To 40, Deduct	-215.42	
For >40, Deduct	-455.90	
26 56 13 00-0286 EA 39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,191.05	399.33
For Galvanized Finish, Add	101.77	
For >10 To 20, Deduct	-155.66	
For >20 To 40, Deduct	-277.40	
For >40, Deduct	-588.73	
26 56 13 00-0287 EA 45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,918.05	519.12
For Galvanized Finish, Add	86.39	
For >10 To 20, Deduct	-141.15	
For >20 To 40, Deduct	-253.50	
For >40, Deduct	-535.80	
26 56 13 00-0288 EA 45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,521.95	519.12
For Galvanized Finish, Add	104.51	
For >10 To 20, Deduct	-165.30	
For >20 To 40, Deduct	-295.77	
For >40, Deduct	-626.38	
26 56 13 00-0289 EA 50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,712.48	598.98
For Galvanized Finish, Add	105.44	
For >10 To 20, Deduct	-170.53	
For >20 To 40, Deduct	-305.91	
For >40, Deduct	-646.97	
26 56 13 00-0290 Factory Accessories For Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0291 EA 1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles.....	39.00	
26 56 13 00-0292 EA Festoon Outlet Provision For Steel Area Light Poles.....	54.00	
Note: Excludes electrical outlet.		
26 56 13 00-0293 EA Extra Handhole For Steel Area Light Poles	58.00	
26 56 13 00-0294 EA Vibration Dampener For Steel Area Light Poles	59.00	
26 56 13 00-0295 Aluminum Area Light Poles <small>(26 56 13 00-0177)</small>		
Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0296 Round Straight, Aluminum Area Light Poles <small>(26 56 13 00-0295)</small>		
26 56 13 00-0297 Round Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0296)</small>		

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0298	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	668.59	119.80
			<i>For Bronze Or Satin Anodized Finish, Add</i>	42.90	
			<i>For Black Anodized Finish, Add</i>	85.80	
			<i>For >10 To 20, Deduct</i>	-23.15	
			<i>For >20 To 40, Deduct</i>	-42.01	
			<i>For >40, Deduct</i>	-88.31	
26 56	13 00-0299	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	730.53	139.76
			<i>For Bronze Or Satin Anodized Finish, Add</i>	45.10	
			<i>For Black Anodized Finish, Add</i>	90.20	
			<i>For >10 To 20, Deduct</i>	-25.03	
			<i>For >20 To 40, Deduct</i>	-45.55	
			<i>For >40, Deduct</i>	-95.60	
26 56	13 00-0300	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	797.95	159.73
			<i>For Bronze Or Satin Anodized Finish, Add</i>	47.85	
			<i>For Black Anodized Finish, Add</i>	95.70	
			<i>For >10 To 20, Deduct</i>	-27.13	
			<i>For >20 To 40, Deduct</i>	-49.47	
			<i>For >40, Deduct</i>	-103.72	
26 56	13 00-0301	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	866.49	179.70
			<i>For Bronze Or Satin Anodized Finish, Add</i>	50.71	
			<i>For Black Anodized Finish, Add</i>	101.42	
			<i>For >10 To 20, Deduct</i>	-29.27	
			<i>For >20 To 40, Deduct</i>	-53.47	
			<i>For >40, Deduct</i>	-112.00	
26 56	13 00-0302	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	905.16	189.68
			<i>For Bronze Or Satin Anodized Finish, Add</i>	52.58	
			<i>For Black Anodized Finish, Add</i>	105.16	
			<i>For >10 To 20, Deduct</i>	-30.52	
			<i>For >20 To 40, Deduct</i>	-55.77	
			<i>For >40, Deduct</i>	-116.81	
26 56	13 00-0303	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	942.73	199.66
			<i>For Bronze Or Satin Anodized Finish, Add</i>	54.34	
			<i>For Black Anodized Finish, Add</i>	108.68	
			<i>For >10 To 20, Deduct</i>	-31.72	
			<i>For >20 To 40, Deduct</i>	-58.00	
			<i>For >40, Deduct</i>	-121.44	
26 56	13 00-0304	EA	16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,008.73	199.66
			<i>For Bronze Or Satin Anodized Finish, Add</i>	60.94	
			<i>For Black Anodized Finish, Add</i>	121.88	
			<i>For >10 To 20, Deduct</i>	-34.36	
			<i>For >20 To 40, Deduct</i>	-62.62	
			<i>For >40, Deduct</i>	-131.34	
26 56	13 00-0305	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,090.46	219.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	65.12	
			<i>For Black Anodized Finish, Add</i>	130.24	
			<i>For >10 To 20, Deduct</i>	-37.03	
			<i>For >20 To 40, Deduct</i>	-67.55	
			<i>For >40, Deduct</i>	-141.61	
26 56	13 00-0306	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,165.59	239.59
			<i>For Bronze Or Satin Anodized Finish, Add</i>	68.64	
			<i>For Black Anodized Finish, Add</i>	137.28	
			<i>For >10 To 20, Deduct</i>	-39.44	
			<i>For >20 To 40, Deduct</i>	-72.01	
			<i>For >40, Deduct</i>	-150.88	
26 56	13 00-0307	EA	15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,148.26	189.68
			<i>For Bronze Or Satin Anodized Finish, Add</i>	76.89	
			<i>For Black Anodized Finish, Add</i>	153.78	
			<i>For >10 To 20, Deduct</i>	-40.24	
			<i>For >20 To 40, Deduct</i>	-72.79	
			<i>For >40, Deduct</i>	-153.27	
26 56	13 00-0308	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,408.69	239.59
			<i>For Bronze Or Satin Anodized Finish, Add</i>	92.95	
			<i>For Black Anodized Finish, Add</i>	185.90	
			<i>For >10 To 20, Deduct</i>	-49.16	
			<i>For >20 To 40, Deduct</i>	-89.02	
			<i>For >40, Deduct</i>	-187.34	
26 56	13 00-0309	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,531.89	239.59
			<i>For Bronze Or Satin Anodized Finish, Add</i>	105.27	
			<i>For Black Anodized Finish, Add</i>	210.54	
			<i>For >10 To 20, Deduct</i>	-54.09	
			<i>For >20 To 40, Deduct</i>	-97.65	
			<i>For >40, Deduct</i>	-205.82	
26 56	13 00-0310	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,807.12	319.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	116.82	
			<i>For Black Anodized Finish, Add</i>	233.64	
			<i>For >10 To 20, Deduct</i>	-62.70	
			<i>For >20 To 40, Deduct</i>	-113.72	
			<i>For >40, Deduct</i>	-239.12	
26 56	13 00-0311	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,105.88	359.39
			<i>For Bronze Or Satin Anodized Finish, Add</i>	138.71	
			<i>For Black Anodized Finish, Add</i>	277.42	
			<i>For >10 To 20, Deduct</i>	-73.45	
			<i>For >20 To 40, Deduct</i>	-133.04	
			<i>For >40, Deduct</i>	-279.94	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0312 EA 20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,241.49	239.59
For Bronze Or Satin Anodized Finish, Add	76.23	
For Black Anodized Finish, Add	152.46	
For >10 To 20, Deduct	-42.47	
For >20 To 40, Deduct	-77.32	
For >40, Deduct	-162.26	
26 56 13 00-0313 EA 20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,521.99	239.59
For Bronze Or Satin Anodized Finish, Add	104.28	
For Black Anodized Finish, Add	208.56	
For >10 To 20, Deduct	-53.69	
For >20 To 40, Deduct	-96.96	
For >40, Deduct	-204.34	
26 56 13 00-0314 EA 25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,789.52	319.45
For Bronze Or Satin Anodized Finish, Add	115.06	
For Black Anodized Finish, Add	230.12	
For >10 To 20, Deduct	-62.00	
For >20 To 40, Deduct	-112.49	
For >40, Deduct	-236.48	
26 56 13 00-0315 EA 25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,949.02	319.45
For Bronze Or Satin Anodized Finish, Add	131.01	
For Black Anodized Finish, Add	262.02	
For >10 To 20, Deduct	-68.38	
For >20 To 40, Deduct	-123.65	
For >40, Deduct	-260.41	
26 56 13 00-0316 EA 30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,286.28	359.39
For Bronze Or Satin Anodized Finish, Add	156.75	
For Black Anodized Finish, Add	313.50	
For >10 To 20, Deduct	-80.67	
For >20 To 40, Deduct	-145.66	
For >40, Deduct	-307.00	
26 56 13 00-0317 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base <small>(26 56 13 00-0296)</small>		
26 56 13 00-0318 EA 8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	780.79	119.80
For Bronze, Satin Or Black Anodized Finish, Add	81.18	
For >10 To 20, Deduct	-27.64	
For >20 To 40, Deduct	-49.86	
For >40, Deduct	-105.14	
26 56 13 00-0319 EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	864.73	139.76
For Bronze, Satin Or Black Anodized Finish, Add	87.78	
For >10 To 20, Deduct	-30.40	
For >20 To 40, Deduct	-54.94	
For >40, Deduct	-115.73	
26 56 13 00-0320 EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	944.25	159.73
For Bronze, Satin Or Black Anodized Finish, Add	93.72	
For >10 To 20, Deduct	-32.98	
For >20 To 40, Deduct	-59.71	
For >40, Deduct	-125.67	
26 56 13 00-0321 EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,002.89	179.70
For Bronze, Satin Or Black Anodized Finish, Add	96.53	
For >10 To 20, Deduct	-34.72	
For >20 To 40, Deduct	-63.01	
For >40, Deduct	-132.46	
26 56 13 00-0322 EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,074.73	199.66
For Bronze, Satin Or Black Anodized Finish, Add	101.31	
For >10 To 20, Deduct	-37.00	
For >20 To 40, Deduct	-67.24	
For >40, Deduct	-141.24	
26 56 13 00-0323 EA 10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	887.83	139.76
For Bronze, Satin Or Black Anodized Finish, Add	91.25	
For >10 To 20, Deduct	-31.32	
For >20 To 40, Deduct	-56.56	
For >40, Deduct	-119.20	
26 56 13 00-0324 EA 12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	965.15	159.73
For Bronze, Satin Or Black Anodized Finish, Add	96.86	
For >10 To 20, Deduct	-33.81	
For >20 To 40, Deduct	-61.17	
For >40, Deduct	-128.80	
26 56 13 00-0325 EA 14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,045.79	179.70
For Bronze, Satin Or Black Anodized Finish, Add	102.96	
For >10 To 20, Deduct	-36.44	
For >20 To 40, Deduct	-66.02	
For >40, Deduct	-138.90	
26 56 13 00-0326 EA 16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,125.33	199.66
For Bronze, Satin Or Black Anodized Finish, Add	108.90	
For >10 To 20, Deduct	-39.02	
For >20 To 40, Deduct	-70.79	
For >40, Deduct	-148.83	
26 56 13 00-0327 EA 18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,210.36	219.63
For Bronze, Satin Or Black Anodized Finish, Add	115.67	
For >10 To 20, Deduct	-41.83	
For >20 To 40, Deduct	-75.94	
For >40, Deduct	-159.59	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0328 EA 20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,288.79	239.59
For Bronze, Satin Or Black Anodized Finish, Add	121.44	
For >10 To 20, Deduct	-44.36	
For >20 To 40, Deduct	-80.63	
For >40, Deduct	-169.36	
26 56 13 00-0329 EA 12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,008.05	159.73
For Bronze, Satin Or Black Anodized Finish, Add	103.29	
For >10 To 20, Deduct	-35.53	
For >20 To 40, Deduct	-64.17	
For >40, Deduct	-135.24	
26 56 13 00-0330 EA 14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,096.39	179.70
For Bronze, Satin Or Black Anodized Finish, Add	110.55	
For >10 To 20, Deduct	-38.46	
For >20 To 40, Deduct	-69.56	
For >40, Deduct	-146.49	
26 56 13 00-0331 EA 16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,183.63	199.66
For Bronze, Satin Or Black Anodized Finish, Add	117.65	
For >10 To 20, Deduct	-41.36	
For >20 To 40, Deduct	-74.87	
For >40, Deduct	-157.58	
26 56 13 00-0332 EA 18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,273.06	219.63
For Bronze, Satin Or Black Anodized Finish, Add	125.07	
For >10 To 20, Deduct	-44.33	
For >20 To 40, Deduct	-80.33	
For >40, Deduct	-169.00	
26 56 13 00-0333 EA 16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,245.23	199.66
For Bronze, Satin Or Black Anodized Finish, Add	126.89	
For >10 To 20, Deduct	-43.82	
For >20 To 40, Deduct	-79.18	
For >40, Deduct	-166.82	
26 56 13 00-0334 EA 20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,432.89	239.59
For Bronze, Satin Or Black Anodized Finish, Add	143.06	
For >10 To 20, Deduct	-50.13	
For >20 To 40, Deduct	-90.72	
For >40, Deduct	-190.97	
26 56 13 00-0335 EA 12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,048.75	159.73
For Bronze, Satin Or Black Anodized Finish, Add	109.40	
For >10 To 20, Deduct	-37.16	
For >20 To 40, Deduct	-67.02	
For >40, Deduct	-141.34	
26 56 13 00-0336 EA 14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,149.19	179.70
For Bronze, Satin Or Black Anodized Finish, Add	118.47	
For >10 To 20, Deduct	-40.58	
For >20 To 40, Deduct	-73.26	
For >40, Deduct	-154.41	
26 56 13 00-0337 EA 16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,238.63	199.66
For Bronze, Satin Or Black Anodized Finish, Add	125.90	
For >10 To 20, Deduct	-43.56	
For >20 To 40, Deduct	-78.72	
For >40, Deduct	-165.83	
26 56 13 00-0338 EA 18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,334.66	219.63
For Bronze, Satin Or Black Anodized Finish, Add	134.31	
For >10 To 20, Deduct	-46.80	
For >20 To 40, Deduct	-84.64	
For >40, Deduct	-178.24	
26 56 13 00-0339 EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,427.39	239.59
For Bronze, Satin Or Black Anodized Finish, Add	142.23	
For >10 To 20, Deduct	-49.91	
For >20 To 40, Deduct	-90.33	
For >40, Deduct	-190.15	
26 56 13 00-0340 EA 16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,318.93	199.66
For Bronze, Satin Or Black Anodized Finish, Add	137.94	
For >10 To 20, Deduct	-46.77	
For >20 To 40, Deduct	-84.34	
For >40, Deduct	-177.87	
26 56 13 00-0341 EA 18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,424.86	219.63
For Bronze, Satin Or Black Anodized Finish, Add	147.84	
For >10 To 20, Deduct	-50.41	
For >20 To 40, Deduct	-90.96	
For >40, Deduct	-191.77	
26 56 13 00-0342 EA 20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,461.49	239.59
For Bronze, Satin Or Black Anodized Finish, Add	147.35	
For >10 To 20, Deduct	-51.27	
For >20 To 40, Deduct	-92.72	
For >40, Deduct	-195.26	
26 56 13 00-0343 Round Straight, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0296)</small>		
Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0344 EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	604.46	99.83
For Bronze Or Satin Anodized Finish, Add	40.48	
For Black Anodized Finish, Add	80.96	
For >10 To 20, Deduct	-21.18	
For >20 To 40, Deduct	-38.32	
For >40, Deduct	-80.69	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0345 EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	645.33	109.81
For Bronze Or Satin Anodized Finish, Add	42.57	
For Black Anodized Finish, Add	85.14	
For >10 To 20, Deduct	-22.52	
For >20 To 40, Deduct	-40.78	
For >40, Deduct	-85.82	
26 56 13 00-0346 EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	714.79	119.80
For Bronze Or Satin Anodized Finish, Add	47.52	
For Black Anodized Finish, Add	95.04	
For >10 To 20, Deduct	-25.00	
For >20 To 40, Deduct	-45.24	
For >40, Deduct	-95.24	
26 56 13 00-0347 EA 15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	740.09	119.80
For Bronze Or Satin Anodized Finish, Add	50.05	
For Black Anodized Finish, Add	100.10	
For >10 To 20, Deduct	-26.01	
For >20 To 40, Deduct	-47.01	
For >40, Deduct	-99.03	
26 56 13 00-0348 EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	771.99	119.80
For Bronze Or Satin Anodized Finish, Add	53.24	
For Black Anodized Finish, Add	106.48	
For >10 To 20, Deduct	-27.29	
For >20 To 40, Deduct	-49.25	
For >40, Deduct	-103.82	
26 56 13 00-0349 EA 18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	888.76	129.78
For Bronze Or Satin Anodized Finish, Add	62.92	
For Black Anodized Finish, Add	125.84	
For >10 To 20, Deduct	-31.66	
For >20 To 40, Deduct	-57.02	
For >40, Deduct	-120.34	
26 56 13 00-0350 EA 20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	949.43	139.76
For Bronze Or Satin Anodized Finish, Add	66.99	
For Black Anodized Finish, Add	133.98	
For >10 To 20, Deduct	-33.78	
For >20 To 40, Deduct	-60.87	
For >40, Deduct	-128.44	
26 56 13 00-0351 EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,119.93	139.76
For Bronze Or Satin Anodized Finish, Add	84.04	
For Black Anodized Finish, Add	168.08	
For >10 To 20, Deduct	-40.60	
For >20 To 40, Deduct	-72.80	
For >40, Deduct	-154.01	
26 56 13 00-0352 EA 25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,378.75	159.73
For Bronze Or Satin Anodized Finish, Add	105.93	
For Black Anodized Finish, Add	211.86	
For >10 To 20, Deduct	-50.36	
For >20 To 40, Deduct	-90.12	
For >40, Deduct	-190.84	
26 56 13 00-0353 EA 30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,566.09	179.70
For Bronze Or Satin Anodized Finish, Add	120.67	
For Black Anodized Finish, Add	241.34	
For >10 To 20, Deduct	-57.25	
For >20 To 40, Deduct	-102.44	
For >40, Deduct	-216.94	
26 56 13 00-0354 EA 30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	1,767.39	179.70
For Bronze Or Satin Anodized Finish, Add	140.80	
For Black Anodized Finish, Add	281.60	
For >10 To 20, Deduct	-65.30	
For >20 To 40, Deduct	-116.53	
For >40, Deduct	-247.14	
26 56 13 00-0355 Round Tapered, Aluminum Area Light Poles <small>(26 56 13 00-0295)</small>		
26 56 13 00-0356 Round Tapered, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0355)</small>		
26 56 13 00-0357 EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	550.89	119.80
For Bronze Or Satin Anodized Finish, Add	31.13	
For Black Anodized Finish, Add	62.26	
For >10 To 20, Deduct	-18.44	
For >20 To 40, Deduct	-33.77	
For >40, Deduct	-70.65	
26 56 13 00-0358 EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	616.13	139.76
For Bronze Or Satin Anodized Finish, Add	33.66	
For Black Anodized Finish, Add	67.32	
For >10 To 20, Deduct	-20.45	
For >20 To 40, Deduct	-37.54	
For >40, Deduct	-78.44	
26 56 13 00-0359 EA 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	681.35	159.73
For Bronze Or Satin Anodized Finish, Add	36.19	
For Black Anodized Finish, Add	72.38	
For >10 To 20, Deduct	-22.46	
For >20 To 40, Deduct	-41.31	
For >40, Deduct	-86.23	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0360	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	756.49	179.70
			<i>For Bronze Or Satin Anodized Finish, Add</i>	39.71	
			<i>For Black Anodized Finish, Add</i>	79.42	
			<i>For >10 To 20, Deduct</i>	-24.87	
			<i>For >20 To 40, Deduct</i>	-45.77	
			<i>For >40, Deduct</i>	-95.50	
26 56 13 00-0361	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	830.53	199.66
			<i>For Bronze Or Satin Anodized Finish, Add</i>	43.12	
			<i>For Black Anodized Finish, Add</i>	86.24	
			<i>For >10 To 20, Deduct</i>	-27.23	
			<i>For >20 To 40, Deduct</i>	-50.15	
			<i>For >40, Deduct</i>	-104.61	
26 56 13 00-0362	EA		10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	644.73	139.76
			<i>For Bronze Or Satin Anodized Finish, Add</i>	36.52	
			<i>For Black Anodized Finish, Add</i>	73.04	
			<i>For >10 To 20, Deduct</i>	-21.60	
			<i>For >20 To 40, Deduct</i>	-39.54	
			<i>For >40, Deduct</i>	-82.73	
26 56 13 00-0363	EA		12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	726.45	159.73
			<i>For Bronze Or Satin Anodized Finish, Add</i>	40.70	
			<i>For Black Anodized Finish, Add</i>	81.40	
			<i>For >10 To 20, Deduct</i>	-24.27	
			<i>For >20 To 40, Deduct</i>	-44.46	
			<i>For >40, Deduct</i>	-93.00	
26 56 13 00-0364	EA		14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	804.89	179.70
			<i>For Bronze Or Satin Anodized Finish, Add</i>	44.55	
			<i>For Black Anodized Finish, Add</i>	89.10	
			<i>For >10 To 20, Deduct</i>	-26.80	
			<i>For >20 To 40, Deduct</i>	-49.15	
			<i>For >40, Deduct</i>	-102.76	
26 56 13 00-0365	EA		18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	954.06	219.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	51.48	
			<i>For Black Anodized Finish, Add</i>	102.96	
			<i>For >10 To 20, Deduct</i>	-31.57	
			<i>For >20 To 40, Deduct</i>	-58.00	
			<i>For >40, Deduct</i>	-121.15	
26 56 13 00-0366	EA		20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,021.49	239.59
			<i>For Bronze Or Satin Anodized Finish, Add</i>	54.23	
			<i>For Black Anodized Finish, Add</i>	108.46	
			<i>For >10 To 20, Deduct</i>	-33.67	
			<i>For >20 To 40, Deduct</i>	-61.92	
			<i>For >40, Deduct</i>	-129.26	
26 56 13 00-0367	EA		12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	767.15	159.73
			<i>For Bronze Or Satin Anodized Finish, Add</i>	44.77	
			<i>For Black Anodized Finish, Add</i>	89.54	
			<i>For >10 To 20, Deduct</i>	-25.89	
			<i>For >20 To 40, Deduct</i>	-47.31	
			<i>For >40, Deduct</i>	-99.10	
26 56 13 00-0368	EA		14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	852.19	179.70
			<i>For Bronze Or Satin Anodized Finish, Add</i>	49.28	
			<i>For Black Anodized Finish, Add</i>	98.56	
			<i>For >10 To 20, Deduct</i>	-28.70	
			<i>For >20 To 40, Deduct</i>	-52.47	
			<i>For >40, Deduct</i>	-109.86	
26 56 13 00-0369	EA		16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	944.93	199.66
			<i>For Bronze Or Satin Anodized Finish, Add</i>	54.56	
			<i>For Black Anodized Finish, Add</i>	109.12	
			<i>For >10 To 20, Deduct</i>	-31.81	
			<i>For >20 To 40, Deduct</i>	-58.16	
			<i>For >40, Deduct</i>	-121.77	
26 56 13 00-0370	EA		18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,017.86	219.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	57.86	
			<i>For Black Anodized Finish, Add</i>	115.72	
			<i>For >10 To 20, Deduct</i>	-34.13	
			<i>For >20 To 40, Deduct</i>	-62.47	
			<i>For >40, Deduct</i>	-130.72	
26 56 13 00-0371	EA		20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,106.19	239.59
			<i>For Bronze Or Satin Anodized Finish, Add</i>	62.70	
			<i>For Black Anodized Finish, Add</i>	125.40	
			<i>For >10 To 20, Deduct</i>	-37.06	
			<i>For >20 To 40, Deduct</i>	-67.85	
			<i>For >40, Deduct</i>	-141.97	
26 56 13 00-0372	EA		16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,052.73	199.66
			<i>For Bronze Or Satin Anodized Finish, Add</i>	65.34	
			<i>For Black Anodized Finish, Add</i>	130.68	
			<i>For >10 To 20, Deduct</i>	-36.12	
			<i>For >20 To 40, Deduct</i>	-65.70	
			<i>For >40, Deduct</i>	-137.94	
26 56 13 00-0373	EA		18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,155.36	219.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	71.61	
			<i>For Black Anodized Finish, Add</i>	143.22	
			<i>For >10 To 20, Deduct</i>	-39.63	
			<i>For >20 To 40, Deduct</i>	-72.09	
			<i>For >40, Deduct</i>	-151.34	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0374 EA 20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,212.89 73.37 146.74 -41.33 -75.32 -157.97	239.59
26 56 13 00-0375 EA 23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,390.66 83.16 166.32 -47.24 -86.17 -180.65	279.53
26 56 13 00-0376 EA 25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,575.02 93.61 187.22 -53.42 -97.47 -204.31	319.45
26 56 13 00-0377 EA 18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,263.16 82.39 164.78 -43.94 -79.64 -167.51	219.63
26 56 13 00-0378 EA 20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,343.79 86.46 172.92 -46.56 -84.48 -177.61	239.59
26 56 13 00-0379 EA 23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,494.06 93.50 187.00 -51.38 -93.40 -196.16	279.53
26 56 13 00-0380 EA 25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,654.22 101.53 203.06 -56.59 -103.02 -216.19	319.45
26 56 13 00-0381 EA 28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,783.26 110.44 220.88 -61.15 -111.25 -233.55	339.43
26 56 13 00-0382 EA 30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,914.48 119.57 239.14 -65.80 -119.64 -251.23	359.39
26 56 13 00-0383 EA 23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,596.36 103.73 207.46 -55.47 -100.56 -211.50	279.53
26 56 13 00-0384 EA 25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,722.42 108.35 216.70 -59.31 -107.79 -226.42	319.45
26 56 13 00-0385 EA 28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,856.96 117.81 235.62 -64.10 -116.41 -244.60	339.43
26 56 13 00-0386 EA 30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,028.88 131.01 262.02 -70.37 -127.65 -268.39	359.39
26 56 13 00-0387 EA 33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,098.35 135.96 271.92 -72.85 -132.11 -277.82	369.38

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0388	EA		35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,251.42	379.36
			<i>For Bronze Or Satin Anodized Finish, Add</i>	149.27	
			<i>For Black Anodized Finish, Add</i>	298.54	
			<i>For >10 To 20, Deduct</i>	-78.68	
			<i>For >20 To 40, Deduct</i>	-142.43	
			<i>For >40, Deduct</i>	-299.78	
26 56 13 00-0389	EA		12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	812.25	159.73
			<i>For Bronze Or Satin Anodized Finish, Add</i>	49.28	
			<i>For Black Anodized Finish, Add</i>	98.56	
			<i>For >10 To 20, Deduct</i>	-27.70	
			<i>For >20 To 40, Deduct</i>	-50.47	
			<i>For >40, Deduct</i>	-105.87	
26 56 13 00-0390	EA		14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	904.99	179.70
			<i>For Bronze Or Satin Anodized Finish, Add</i>	54.56	
			<i>For Black Anodized Finish, Add</i>	109.12	
			<i>For >10 To 20, Deduct</i>	-30.81	
			<i>For >20 To 40, Deduct</i>	-56.16	
			<i>For >40, Deduct</i>	-117.78	
26 56 13 00-0391	EA		16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,002.13	199.66
			<i>For Bronze Or Satin Anodized Finish, Add</i>	60.28	
			<i>For Black Anodized Finish, Add</i>	120.56	
			<i>For >10 To 20, Deduct</i>	-34.10	
			<i>For >20 To 40, Deduct</i>	-62.16	
			<i>For >40, Deduct</i>	-130.35	
26 56 13 00-0392	EA		18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,087.16	219.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	64.79	
			<i>For Black Anodized Finish, Add</i>	129.58	
			<i>For >10 To 20, Deduct</i>	-36.90	
			<i>For >20 To 40, Deduct</i>	-67.32	
			<i>For >40, Deduct</i>	-141.11	
26 56 13 00-0393	EA		20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,171.09	239.59
			<i>For Bronze Or Satin Anodized Finish, Add</i>	69.19	
			<i>For Black Anodized Finish, Add</i>	138.38	
			<i>For >10 To 20, Deduct</i>	-39.66	
			<i>For >20 To 40, Deduct</i>	-72.39	
			<i>For >40, Deduct</i>	-151.70	
26 56 13 00-0394	EA		16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,122.03	199.66
			<i>For Bronze Or Satin Anodized Finish, Add</i>	72.27	
			<i>For Black Anodized Finish, Add</i>	144.54	
			<i>For >10 To 20, Deduct</i>	-38.89	
			<i>For >20 To 40, Deduct</i>	-70.56	
			<i>For >40, Deduct</i>	-148.34	
26 56 13 00-0395	EA		18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,227.96	219.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	78.87	
			<i>For Black Anodized Finish, Add</i>	157.74	
			<i>For >10 To 20, Deduct</i>	-42.53	
			<i>For >20 To 40, Deduct</i>	-77.17	
			<i>For >40, Deduct</i>	-162.23	
26 56 13 00-0396	EA		20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,299.79	239.59
			<i>For Bronze Or Satin Anodized Finish, Add</i>	82.06	
			<i>For Black Anodized Finish, Add</i>	164.12	
			<i>For >10 To 20, Deduct</i>	-44.80	
			<i>For >20 To 40, Deduct</i>	-81.40	
			<i>For >40, Deduct</i>	-171.01	
26 56 13 00-0397	EA		23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,472.06	279.53
			<i>For Bronze Or Satin Anodized Finish, Add</i>	91.30	
			<i>For Black Anodized Finish, Add</i>	182.60	
			<i>For >10 To 20, Deduct</i>	-50.50	
			<i>For >20 To 40, Deduct</i>	-91.86	
			<i>For >40, Deduct</i>	-192.86	
26 56 13 00-0398	EA		25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,650.92	319.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	101.20	
			<i>For Black Anodized Finish, Add</i>	202.40	
			<i>For >10 To 20, Deduct</i>	-56.45	
			<i>For >20 To 40, Deduct</i>	-102.79	
			<i>For >40, Deduct</i>	-215.69	
26 56 13 00-0399	EA		23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,720.66	279.53
			<i>For Bronze Or Satin Anodized Finish, Add</i>	116.16	
			<i>For Black Anodized Finish, Add</i>	232.32	
			<i>For >10 To 20, Deduct</i>	-60.44	
			<i>For >20 To 40, Deduct</i>	-109.27	
			<i>For >40, Deduct</i>	-230.15	
26 56 13 00-0400	EA		25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,887.42	319.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	124.85	
			<i>For Black Anodized Finish, Add</i>	249.70	
			<i>For >10 To 20, Deduct</i>	-65.91	
			<i>For >20 To 40, Deduct</i>	-119.34	
			<i>For >40, Deduct</i>	-251.17	
26 56 13 00-0401	EA		28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,035.16	339.43
			<i>For Bronze Or Satin Anodized Finish, Add</i>	135.63	
			<i>For Black Anodized Finish, Add</i>	271.26	
			<i>For >10 To 20, Deduct</i>	-71.22	
			<i>For >20 To 40, Deduct</i>	-128.88	
			<i>For >40, Deduct</i>	-271.33	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0402 EA 30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,164.18 144.54 289.08 -75.79 -137.12 -288.69	359.39
26 56 13 00-0403 EA 33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,290.85 155.21 310.42 -80.55 -145.58 -306.69	369.38
26 56 13 00-0404 EA 35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,399.92 164.12 328.24 -84.62 -152.82 -322.05	379.36
26 56 13 00-0405 EA 37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,491.38 171.27 342.54 -87.98 -158.82 -334.77	389.34
26 56 13 00-0406 EA 39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,665.35 186.67 373.34 -94.63 -170.60 -359.87	399.33
26 56 13 00-0407 EA 28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,510.36 183.15 366.30 -90.23 -162.15 -342.61	339.43
26 56 13 00-0408 EA 30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,714.18 199.54 399.08 -97.79 -175.62 -371.19	359.39
26 56 13 00-0409 EA 33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,862.85 212.41 424.62 -103.43 -185.62 -392.49	369.38
26 56 13 00-0410 EA 35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,973.02 221.43 442.86 -107.54 -192.94 -408.02	379.36
26 56 13 00-0411 EA 37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,029.28 225.06 450.12 -109.49 -196.48 -415.46	389.34
26 56 13 00-0412 EA 39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,221.95 242.33 484.66 -116.90 -209.56 -443.36	399.33
26 56 13 00-0413 EA 28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,359.66 168.08 336.16 -84.20 -151.60 -320.01	339.43
26 56 13 00-0414 EA 30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,543.68 182.49 364.98 -90.97 -163.68 -345.61	359.39
26 56 13 00-0415 EA 33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,613.15 187.44 374.88 -93.44 -168.15 -355.04	369.38

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0416	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,809.12	379.36
			<i>For Bronze Or Satin Anodized Finish, Add</i>	205.04	
			<i>For Black Anodized Finish, Add</i>	410.08	
			<i>For >10 To 20, Deduct</i>	-100.98	
			<i>For >20 To 40, Deduct</i>	-181.46	
			<i>For >40, Deduct</i>	-383.43	
26 56	13 00-0417	EA	37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,899.48	389.34
			<i>For Bronze Or Satin Anodized Finish, Add</i>	212.08	
			<i>For Black Anodized Finish, Add</i>	424.16	
			<i>For >10 To 20, Deduct</i>	-104.30	
			<i>For >20 To 40, Deduct</i>	-187.39	
			<i>For >40, Deduct</i>	-395.99	
26 56	13 00-0418	EA	39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,093.25	399.33
			<i>For Bronze Or Satin Anodized Finish, Add</i>	229.46	
			<i>For Black Anodized Finish, Add</i>	458.92	
			<i>For >10 To 20, Deduct</i>	-111.75	
			<i>For >20 To 40, Deduct</i>	-200.55	
			<i>For >40, Deduct</i>	-424.06	
26 56	13 00-0419	EA	28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,048.26	339.43
			<i>For Bronze Or Satin Anodized Finish, Add</i>	236.94	
			<i>For Black Anodized Finish, Add</i>	473.88	
			<i>For >10 To 20, Deduct</i>	-111.75	
			<i>For >20 To 40, Deduct</i>	-199.80	
			<i>For >40, Deduct</i>	-423.30	
26 56	13 00-0420	EA	30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,222.38	359.39
			<i>For Bronze Or Satin Anodized Finish, Add</i>	250.36	
			<i>For Black Anodized Finish, Add</i>	500.72	
			<i>For >10 To 20, Deduct</i>	-118.11	
			<i>For >20 To 40, Deduct</i>	-211.19	
			<i>For >40, Deduct</i>	-447.42	
26 56	13 00-0421	EA	33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,373.25	369.38
			<i>For Bronze Or Satin Anodized Finish, Add</i>	263.45	
			<i>For Black Anodized Finish, Add</i>	526.90	
			<i>For >10 To 20, Deduct</i>	-123.85	
			<i>For >20 To 40, Deduct</i>	-221.35	
			<i>For >40, Deduct</i>	-469.05	
26 56	13 00-0422	EA	35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,613.22	379.36
			<i>For Bronze Or Satin Anodized Finish, Add</i>	285.45	
			<i>For Black Anodized Finish, Add</i>	570.90	
			<i>For >10 To 20, Deduct</i>	-133.15	
			<i>For >20 To 40, Deduct</i>	-237.75	
			<i>For >40, Deduct</i>	-504.05	
26 56	13 00-0423	EA	37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,657.38	389.34
			<i>For Bronze Or Satin Anodized Finish, Add</i>	287.87	
			<i>For Black Anodized Finish, Add</i>	575.74	
			<i>For >10 To 20, Deduct</i>	-134.62	
			<i>For >20 To 40, Deduct</i>	-240.44	
			<i>For >40, Deduct</i>	-509.67	
26 56	13 00-0424	EA	39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,896.25	399.33
			<i>For Bronze Or Satin Anodized Finish, Add</i>	309.76	
			<i>For Black Anodized Finish, Add</i>	619.52	
			<i>For >10 To 20, Deduct</i>	-143.87	
			<i>For >20 To 40, Deduct</i>	-256.76	
			<i>For >40, Deduct</i>	-544.51	
26 56	13 00-0425	EA	48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,804.88	598.98
			<i>For Bronze Or Satin Anodized Finish, Add</i>	360.69	
			<i>For Black Anodized Finish, Add</i>	721.38	
			<i>For >10 To 20, Deduct</i>	-174.23	
			<i>For >20 To 40, Deduct</i>	-312.38	
			<i>For >40, Deduct</i>	-660.83	
26 56	13 00-0426	EA	50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,941.28	598.98
			<i>For Bronze Or Satin Anodized Finish, Add</i>	374.33	
			<i>For Black Anodized Finish, Add</i>	748.66	
			<i>For >10 To 20, Deduct</i>	-179.68	
			<i>For >20 To 40, Deduct</i>	-321.93	
			<i>For >40, Deduct</i>	-681.29	
26 56	13 00-0427		Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base <small>(26 56 13 00-0355)</small>	787.39	119.80
26 56	13 00-0428	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	82.17	
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	-27.90	
			<i>For >10 To 20, Deduct</i>	-50.33	
			<i>For >20 To 40, Deduct</i>	-106.13	
26 56	13 00-0429	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	850.43	139.76
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	85.64	
			<i>For >10 To 20, Deduct</i>	-29.82	
			<i>For >20 To 40, Deduct</i>	-53.94	
			<i>For >40, Deduct</i>	-113.59	
26 56	13 00-0430	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	914.55	159.73
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	89.27	
			<i>For >10 To 20, Deduct</i>	-31.79	
			<i>For >20 To 40, Deduct</i>	-57.63	
			<i>For >40, Deduct</i>	-121.21	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0431 EA 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	980.89 93.23 -33.84 -61.47 -129.16	179.70
26 56 13 00-0432 EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,046.13 97.02 -35.86 -65.24 -136.95	199.66
26 56 13 00-0433 EA 10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	863.63 87.62 -30.35 -54.86 -115.57	139.76
26 56 13 00-0434 EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	929.95 91.58 -32.41 -58.71 -123.52	159.73
26 56 13 00-0435 EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	998.49 95.87 -34.55 -62.71 -131.80	179.70
26 56 13 00-0436 EA 16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,065.93 99.99 -36.65 -66.63 -139.92	199.66
26 56 13 00-0437 EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,147.66 106.26 -39.32 -71.55 -150.19	219.63
26 56 13 00-0438 EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,219.49 111.05 -41.59 -75.78 -158.96	239.59
26 56 13 00-0439 EA 12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	972.85 98.01 -34.12 -61.71 -129.96	159.73
26 56 13 00-0440 EA 14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,046.89 103.13 -36.48 -66.09 -139.06	179.70
26 56 13 00-0441 EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,134.13 110.22 -39.38 -71.40 -150.15	199.66
26 56 13 00-0442 EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,210.36 115.67 -41.83 -75.94 -159.59	219.63
26 56 13 00-0443 EA 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,300.89 123.26 -44.85 -81.48 -171.17	239.59
26 56 13 00-0444 EA 16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,196.83 119.63 -41.88 -75.79 -159.56	199.66
26 56 13 00-0445 EA 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,295.06 128.37 -45.21 -81.87 -172.30	219.63
26 56 13 00-0446 EA 20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,369.09 133.49 -47.58 -86.25 -181.40	239.59
26 56 13 00-0447 EA 12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,006.95 103.13 -35.49 -64.10 -135.07	159.73

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0448	EA		14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,098.59 110.88 -38.55 -69.71 -146.82	179.70
26 56 13 00-0449	EA		16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,196.83 119.63 -41.88 -75.79 -159.56	199.66
26 56 13 00-0450	EA		18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,281.86 126.39 -44.69 -80.95 -170.32	219.63
26 56 13 00-0451	EA		20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,374.59 134.31 -47.80 -86.64 -182.23	239.59
26 56 13 00-0452	EA		16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,268.33 130.35 -44.74 -80.80 -170.28	199.66
26 56 13 00-0453	EA		18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,375.36 140.42 -48.43 -87.49 -184.34	219.63
26 56 13 00-0454	EA		20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,454.89 146.36 -51.01 -92.26 -194.27	239.59
26 56 13 00-0455			Round Tapered, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0355)</small> Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0456	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	525.26 32.56 65.12 -18.02 -32.78 -68.81	99.83
26 56 13 00-0457	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	556.06 35.64 71.28 -19.25 -34.93 -73.43	99.83
26 56 13 00-0458	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	601.33 38.17 76.34 -20.76 -37.70 -79.22	109.81
26 56 13 00-0459	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	638.89 39.93 79.86 -21.96 -39.93 -83.85	119.80
26 56 13 00-0460	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	678.49 43.89 87.78 -23.55 -42.70 -89.79	119.80
26 56 13 00-0461	EA		12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	631.03 41.14 82.28 -21.95 -39.78 -83.67	109.81
26 56 13 00-0462	EA		14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	681.79 44.22 88.44 -23.68 -42.93 -90.29	119.80



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0463 EA 16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	703.79	119.80
For Bronze Or Satin Anodized Finish, Add	46.42	
For Black Anodized Finish, Add	92.84	
For >10 To 20, Deduct	-24.56	
For >20 To 40, Deduct	-44.47	
For >40, Deduct	-93.59	
26 56 13 00-0464 EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	758.96	129.78
For Bronze Or Satin Anodized Finish, Add	49.94	
For Black Anodized Finish, Add	99.88	
For >10 To 20, Deduct	-26.47	
For >20 To 40, Deduct	-47.94	
For >40, Deduct	-100.87	
26 56 13 00-0465 EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	809.73	139.76
For Bronze Or Satin Anodized Finish, Add	53.02	
For Black Anodized Finish, Add	106.04	
For >10 To 20, Deduct	-28.20	
For >20 To 40, Deduct	-51.09	
For >40, Deduct	-107.48	
26 56 13 00-0466 EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	767.59	119.80
For Bronze Or Satin Anodized Finish, Add	52.80	
For Black Anodized Finish, Add	105.60	
For >10 To 20, Deduct	-27.11	
For >20 To 40, Deduct	-48.94	
For >40, Deduct	-103.16	
26 56 13 00-0467 EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	829.36	129.78
For Bronze Or Satin Anodized Finish, Add	56.98	
For Black Anodized Finish, Add	113.96	
For >10 To 20, Deduct	-29.28	
For >20 To 40, Deduct	-52.86	
For >40, Deduct	-111.43	
26 56 13 00-0468 EA 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	885.63	139.76
For Bronze Or Satin Anodized Finish, Add	60.61	
For Black Anodized Finish, Add	121.22	
For >10 To 20, Deduct	-31.23	
For >20 To 40, Deduct	-56.40	
For >40, Deduct	-118.87	
26 56 13 00-0469 EA 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	919.56	129.78
For Bronze Or Satin Anodized Finish, Add	66.00	
For Black Anodized Finish, Add	132.00	
For >10 To 20, Deduct	-32.89	
For >20 To 40, Deduct	-59.18	
For >40, Deduct	-124.96	
26 56 13 00-0470 EA 25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,185.15	159.73
For Bronze Or Satin Anodized Finish, Add	86.57	
For Black Anodized Finish, Add	173.14	
For >10 To 20, Deduct	-42.61	
For >20 To 40, Deduct	-76.57	
For >40, Deduct	-161.80	
26 56 13 00-0471 EA 25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,309.45	159.73
For Bronze Or Satin Anodized Finish, Add	99.00	
For Black Anodized Finish, Add	198.00	
For >10 To 20, Deduct	-47.59	
For >20 To 40, Deduct	-85.27	
For >40, Deduct	-180.45	
26 56 13 00-0472 EA 30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,456.09	179.70
For Bronze Or Satin Anodized Finish, Add	109.67	
For Black Anodized Finish, Add	219.34	
For >10 To 20, Deduct	-52.85	
For >20 To 40, Deduct	-94.74	
For >40, Deduct	-200.44	
26 56 13 00-0473 EA 30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,591.39	179.70
For Bronze Or Satin Anodized Finish, Add	123.20	
For Black Anodized Finish, Add	246.40	
For >10 To 20, Deduct	-58.26	
For >20 To 40, Deduct	-104.21	
For >40, Deduct	-220.74	
26 56 13 00-0474 Square Straight, Aluminum Area Light Poles <small>(26 56 13 00-0295)</small>		
26 56 13 00-0475 Square Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0474)</small>		
26 56 13 00-0476 EA 8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	693.89	119.80
For Bronze Or Satin Anodized Finish, Add	45.43	
For Black Anodized Finish, Add	90.86	
For >10 To 20, Deduct	-24.16	
For >20 To 40, Deduct	-43.78	
For >40, Deduct	-92.10	
26 56 13 00-0477 EA 10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	756.93	139.76
For Bronze Or Satin Anodized Finish, Add	47.74	
For Black Anodized Finish, Add	95.48	
For >10 To 20, Deduct	-26.08	
For >20 To 40, Deduct	-47.39	
For >40, Deduct	-99.56	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0478 EA 12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	828.75	159.73
For Bronze Or Satin Anodized Finish, Add	50.93	
For Black Anodized Finish, Add	101.86	
For >10 To 20, Deduct	-28.36	
For >20 To 40, Deduct	-51.62	
For >40, Deduct	-108.34	
26 56 13 00-0479 EA 14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	899.49	179.70
For Bronze Or Satin Anodized Finish, Add	54.01	
For Black Anodized Finish, Add	108.02	
For >10 To 20, Deduct	-30.59	
For >20 To 40, Deduct	-55.78	
For >40, Deduct	-116.95	
26 56 13 00-0480 EA 15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	939.26	189.68
For Bronze Or Satin Anodized Finish, Add	55.99	
For Black Anodized Finish, Add	111.98	
For >10 To 20, Deduct	-31.88	
For >20 To 40, Deduct	-58.16	
For >40, Deduct	-121.92	
26 56 13 00-0481 EA 16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	979.03	199.66
For Bronze Or Satin Anodized Finish, Add	57.97	
For Black Anodized Finish, Add	115.94	
For >10 To 20, Deduct	-33.17	
For >20 To 40, Deduct	-60.55	
For >40, Deduct	-126.89	
26 56 13 00-0482 EA 18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,056.36	219.63
For Bronze Or Satin Anodized Finish, Add	61.71	
For Black Anodized Finish, Add	123.42	
For >10 To 20, Deduct	-35.67	
For >20 To 40, Deduct	-65.16	
For >40, Deduct	-136.49	
26 56 13 00-0483 EA 20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,143.59	239.59
For Bronze Or Satin Anodized Finish, Add	66.44	
For Black Anodized Finish, Add	132.88	
For >10 To 20, Deduct	-38.56	
For >20 To 40, Deduct	-70.47	
For >40, Deduct	-147.58	
26 56 13 00-0484 EA 16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,054.93	199.66
For Bronze Or Satin Anodized Finish, Add	65.56	
For Black Anodized Finish, Add	131.12	
For >10 To 20, Deduct	-36.21	
For >20 To 40, Deduct	-65.86	
For >40, Deduct	-138.27	
26 56 13 00-0485 EA 18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,134.46	219.63
For Bronze Or Satin Anodized Finish, Add	69.52	
For Black Anodized Finish, Add	139.04	
For >10 To 20, Deduct	-38.79	
For >20 To 40, Deduct	-70.63	
For >40, Deduct	-148.21	
26 56 13 00-0486 EA 20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,228.29	239.59
For Bronze Or Satin Anodized Finish, Add	74.91	
For Black Anodized Finish, Add	149.82	
For >10 To 20, Deduct	-41.94	
For >20 To 40, Deduct	-76.40	
For >40, Deduct	-160.28	
26 56 13 00-0487 EA 15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,269.26	189.68
For Bronze Or Satin Anodized Finish, Add	88.99	
For Black Anodized Finish, Add	177.98	
For >10 To 20, Deduct	-45.08	
For >20 To 40, Deduct	-81.26	
For >40, Deduct	-171.42	
26 56 13 00-0488 EA 20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,543.99	239.59
For Bronze Or Satin Anodized Finish, Add	106.48	
For Black Anodized Finish, Add	212.96	
For >10 To 20, Deduct	-54.57	
For >20 To 40, Deduct	-98.50	
For >40, Deduct	-207.64	
26 56 13 00-0489 EA 25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,841.22	319.45
For Bronze Or Satin Anodized Finish, Add	120.23	
For Black Anodized Finish, Add	240.46	
For >10 To 20, Deduct	-64.07	
For >20 To 40, Deduct	-116.11	
For >40, Deduct	-244.24	
26 56 13 00-0490 EA 20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,296.49	239.59
For Bronze Or Satin Anodized Finish, Add	81.73	
For Black Anodized Finish, Add	163.46	
For >10 To 20, Deduct	-44.67	
For >20 To 40, Deduct	-81.17	
For >40, Deduct	-170.51	
26 56 13 00-0491 EA 20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,677.09	239.59
For Bronze Or Satin Anodized Finish, Add	119.79	
For Black Anodized Finish, Add	239.58	
For >10 To 20, Deduct	-59.90	
For >20 To 40, Deduct	-107.81	
For >40, Deduct	-227.60	



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0492	EA		25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,962.22 132.33 264.66 -68.91 -124.58 -262.39	319.45
26 56 13 00-0493	EA		20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,886.09 140.69 281.38 -68.26 -122.44 -258.95	239.59
26 56 13 00-0494	EA		25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,235.02 159.61 319.22 -79.82 -143.67 -303.31	319.45
26 56 13 00-0495	EA		30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,598.68 187.99 375.98 -93.17 -167.53 -353.86	359.39
26 56 13 00-0496			Square Straight, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0474)</small>		
			Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0497	EA		10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	633.06 43.34 86.68 -22.33 -40.32 -84.98	99.83
26 56 13 00-0498	EA		12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	709.13 48.95 97.90 -25.07 -45.25 -95.39	109.81
26 56 13 00-0499	EA		14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	752.19 51.26 102.52 -26.49 -47.86 -100.85	119.80
26 56 13 00-0500	EA		15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	779.69 54.01 108.02 -27.59 -49.79 -104.97	119.80
26 56 13 00-0501	EA		16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	813.79 57.42 114.64 -28.96 -52.17 -110.09	119.80
26 56 13 00-0502	EA		18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	950.36 69.08 138.16 -34.12 -61.33 -129.58	129.78
26 56 13 00-0503	EA		20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,017.63 73.81 147.62 -36.51 -65.64 -138.67	139.76
26 56 13 00-0504	EA		20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,190.33 91.08 182.16 -43.42 -77.73 -164.57	139.76
26 56 13 00-0505	EA		25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,368.85 104.94 209.88 -49.96 -89.43 -189.36	159.73

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0506	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,754.95 143.55 287.10 -65.41 -116.46 -247.27	159.73
26 56	13 00-0507		Factory Accessories For Aluminum Area Light Poles <small>(26 56 13 00-0295)</small>		
26 56	13 00-0508	EA	1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles 39.00	39.00	
26 56	13 00-0509	EA	Extra Handhole For Aluminum Area Light Poles..... 41.00	41.00	
26 56	13 00-0510	EA	Festoon Outlet Provision For Aluminum Area Light Poles 42.00 Note: Excludes electrical outlet.	42.00	
26 56	13 00-0511	EA	Vibration Dampener For Aluminum Area Light Poles..... 59.00	59.00	
26 56	13 00-0512		Fiberglass Area Light Poles <small>(26 56 13 00-0177)</small> Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
26 56	13 00-0513		Round Tapered, Fiberglass Area Light Poles <small>(26 56 13 00-0512)</small>		
26 56	13 00-0514		Round Tapered, Fiberglass Area Light Poles, Anchor Base <small>(26 56 13 00-0513)</small>		
26 56	13 00-0515	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... 926.33 <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	926.33 -32.86 -59.25 -124.97	139.76
26 56	13 00-0516	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... 1,004.75 <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,004.75 -35.40 -63.94 -134.74	159.73
26 56	13 00-0517	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... 1,084.29 <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,084.29 -37.98 -68.71 -144.67	179.70
26 56	13 00-0518	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... 1,162.73 <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,162.73 -40.52 -73.40 -154.44	199.66
26 56	13 00-0519	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... 1,260.96 <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,260.96 -43.85 -79.48 -167.18	219.63
26 56	13 00-0520	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... 1,341.59 <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,341.59 -46.48 -84.33 -177.28	239.59
26 56	13 00-0521	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... 1,461.06 <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,461.06 -50.06 -91.09 -191.21	279.53
26 56	13 00-0522	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... 1,579.42 <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,579.42 -53.59 -97.78 -204.97	319.45
26 56	13 00-0523	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... 1,668.52 <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,668.52 -57.16 -104.02 -218.33	319.45
26 56	13 00-0524	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... 1,786.56 <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,786.56 -61.28 -111.48 -234.04	339.43
26 56	13 00-0525	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... 1,904.58 <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,904.58 -65.40 -118.95 -249.75	359.39
26 56	13 00-0526	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... 1,027.53 <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,027.53 -36.91 -66.34 -140.15	139.76
26 56	13 00-0527	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... 1,086.15 <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,086.15 -38.65 -69.64 -146.95	159.73
26 56	13 00-0528	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... 1,145.89 <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,145.89 -40.44 -73.02 -153.91	179.70
26 56	13 00-0529	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... 1,207.83 <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,207.83 -42.32 -76.56 -161.21	199.66



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0530 EA 18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,275.26	219.63
For >10 To 20, Deduct	-44.42	
For >20 To 40, Deduct	-80.48	
For >40, Deduct	-169.33	
26 56 13 00-0531 EA 20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,341.59	239.59
For >10 To 20, Deduct	-46.48	
For >20 To 40, Deduct	-84.33	
For >40, Deduct	-177.28	
26 56 13 00-0532 EA 22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,447.86	279.53
For >10 To 20, Deduct	-49.53	
For >20 To 40, Deduct	-90.17	
For >40, Deduct	-189.23	
26 56 13 00-0533 EA 24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,579.42	319.45
For >10 To 20, Deduct	-53.59	
For >20 To 40, Deduct	-97.78	
For >40, Deduct	-204.97	
26 56 13 00-0534 EA 26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,616.82	319.45
For >10 To 20, Deduct	-55.09	
For >20 To 40, Deduct	-100.40	
For >40, Deduct	-210.58	
26 56 13 00-0535 EA 28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,695.26	339.43
For >10 To 20, Deduct	-57.63	
For >20 To 40, Deduct	-105.09	
For >40, Deduct	-220.35	
26 56 13 00-0536 EA 30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,773.68	359.39
For >10 To 20, Deduct	-60.17	
For >20 To 40, Deduct	-109.78	
For >40, Deduct	-230.11	
26 56 13 00-0537 EA 10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,176.03	139.76
For >10 To 20, Deduct	-42.85	
For >20 To 40, Deduct	-76.73	
For >40, Deduct	-162.43	
26 56 13 00-0538 EA 12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,250.05	159.73
For >10 To 20, Deduct	-45.21	
For >20 To 40, Deduct	-81.11	
For >40, Deduct	-171.54	
26 56 13 00-0539 EA 14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,324.09	179.70
For >10 To 20, Deduct	-47.57	
For >20 To 40, Deduct	-85.50	
For >40, Deduct	-180.64	
26 56 13 00-0540 EA 16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,399.23	199.66
For >10 To 20, Deduct	-49.98	
For >20 To 40, Deduct	-89.96	
For >40, Deduct	-189.92	
26 56 13 00-0541 EA 18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,478.76	219.63
For >10 To 20, Deduct	-52.56	
For >20 To 40, Deduct	-94.73	
For >40, Deduct	-199.85	
26 56 13 00-0542 EA 20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,564.89	239.59
For >10 To 20, Deduct	-55.41	
For >20 To 40, Deduct	-99.96	
For >40, Deduct	-210.77	
26 56 13 00-0543 EA 22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,700.86	279.53
For >10 To 20, Deduct	-59.65	
For >20 To 40, Deduct	-107.88	
For >40, Deduct	-227.18	
26 56 13 00-0544 EA 24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,837.92	319.45
For >10 To 20, Deduct	-63.93	
For >20 To 40, Deduct	-115.88	
For >40, Deduct	-243.74	
26 56 13 00-0545 EA 26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,895.12	319.45
For >10 To 20, Deduct	-66.22	
For >20 To 40, Deduct	-119.88	
For >40, Deduct	-252.32	
26 56 13 00-0546 EA 28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,025.26	339.43
For >10 To 20, Deduct	-70.83	
For >20 To 40, Deduct	-128.19	
For >40, Deduct	-269.85	
26 56 13 00-0547 EA 30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,130.08	359.39
For >10 To 20, Deduct	-74.42	
For >20 To 40, Deduct	-134.73	
For >40, Deduct	-283.57	
26 56 13 00-0548 EA 32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,214.95	369.38
For >10 To 20, Deduct	-77.52	
For >20 To 40, Deduct	-140.27	
For >40, Deduct	-295.31	
26 56 13 00-0549 EA 34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,299.82	379.36
For >10 To 20, Deduct	-80.61	
For >20 To 40, Deduct	-145.81	
For >40, Deduct	-307.04	

26 56 13 00-0550 Round Tapered, Fiberglass Area Light Poles, Direct Burial (26 56 13 00-0513)

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0551	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	569.26	99.83
			<i>For >10 To 20, Deduct</i>	-19.78	
			<i>For >20 To 40, Deduct</i>	-35.86	
			<i>For >40, Deduct</i>	-75.41	
26 56	13 00-0552	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	610.13	109.81
			<i>For >10 To 20, Deduct</i>	-21.11	
			<i>For >20 To 40, Deduct</i>	-38.32	
			<i>For >40, Deduct</i>	-80.54	
26 56	13 00-0553	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	649.89	119.80
			<i>For >10 To 20, Deduct</i>	-22.40	
			<i>For >20 To 40, Deduct</i>	-40.70	
			<i>For >40, Deduct</i>	-85.50	
26 56	13 00-0554	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	668.59	119.80
			<i>For >10 To 20, Deduct</i>	-23.15	
			<i>For >20 To 40, Deduct</i>	-42.01	
			<i>For >40, Deduct</i>	-88.31	
26 56	13 00-0555	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	719.36	129.78
			<i>For >10 To 20, Deduct</i>	-24.88	
			<i>For >20 To 40, Deduct</i>	-45.16	
			<i>For >40, Deduct</i>	-94.93	
26 56	13 00-0556	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	761.33	139.76
			<i>For >10 To 20, Deduct</i>	-26.26	
			<i>For >20 To 40, Deduct</i>	-47.70	
			<i>For >40, Deduct</i>	-100.22	
26 56	13 00-0557	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	806.59	149.75
			<i>For >10 To 20, Deduct</i>	-27.77	
			<i>For >20 To 40, Deduct</i>	-50.47	
			<i>For >40, Deduct</i>	-106.01	
26 56	13 00-0558	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	857.35	159.73
			<i>For >10 To 20, Deduct</i>	-29.50	
			<i>For >20 To 40, Deduct</i>	-53.63	
			<i>For >40, Deduct</i>	-112.63	
26 56	13 00-0559	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	962.95	159.73
			<i>For >10 To 20, Deduct</i>	-33.73	
			<i>For >20 To 40, Deduct</i>	-61.02	
			<i>For >40, Deduct</i>	-128.47	
26 56	13 00-0560	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,088.53	169.71
			<i>For >10 To 20, Deduct</i>	-38.45	
			<i>For >20 To 40, Deduct</i>	-69.41	
			<i>For >40, Deduct</i>	-146.31	
26 56	13 00-0561	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,214.09	179.70
			<i>For >10 To 20, Deduct</i>	-43.17	
			<i>For >20 To 40, Deduct</i>	-77.80	
			<i>For >40, Deduct</i>	-164.14	
26 56	13 00-0562	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	670.46	99.83
			<i>For >10 To 20, Deduct</i>	-23.82	
			<i>For >20 To 40, Deduct</i>	-42.94	
			<i>For >40, Deduct</i>	-90.59	
26 56	13 00-0563	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	716.83	109.81
			<i>For >10 To 20, Deduct</i>	-25.38	
			<i>For >20 To 40, Deduct</i>	-45.79	
			<i>For >40, Deduct</i>	-96.54	
26 56	13 00-0564	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	763.19	119.80
			<i>For >10 To 20, Deduct</i>	-26.93	
			<i>For >20 To 40, Deduct</i>	-48.63	
			<i>For >40, Deduct</i>	-102.50	
26 56	13 00-0565	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	790.69	119.80
			<i>For >10 To 20, Deduct</i>	-28.03	
			<i>For >20 To 40, Deduct</i>	-50.56	
			<i>For >40, Deduct</i>	-106.62	
26 56	13 00-0566	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	837.06	129.78
			<i>For >10 To 20, Deduct</i>	-29.59	
			<i>For >20 To 40, Deduct</i>	-53.40	
			<i>For >40, Deduct</i>	-112.58	
26 56	13 00-0567	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	883.43	139.76
			<i>For >10 To 20, Deduct</i>	-31.14	
			<i>For >20 To 40, Deduct</i>	-56.25	
			<i>For >40, Deduct</i>	-118.54	
26 56	13 00-0568	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	929.79	149.75
			<i>For >10 To 20, Deduct</i>	-32.70	
			<i>For >20 To 40, Deduct</i>	-59.10	
			<i>For >40, Deduct</i>	-124.49	
26 56	13 00-0569	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,001.45	159.73
			<i>For >10 To 20, Deduct</i>	-35.27	
			<i>For >20 To 40, Deduct</i>	-63.71	
			<i>For >40, Deduct</i>	-134.25	
26 56	13 00-0570	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,103.75	159.73
			<i>For >10 To 20, Deduct</i>	-39.36	
			<i>For >20 To 40, Deduct</i>	-70.87	
			<i>For >40, Deduct</i>	-149.59	
26 56	13 00-0571	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,227.13	169.71
			<i>For >10 To 20, Deduct</i>	-43.99	
			<i>For >20 To 40, Deduct</i>	-79.11	
			<i>For >40, Deduct</i>	-167.10	



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0572 EA 30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,349.39	179.70
For >10 To 20, Deduct	-48.58	
For >20 To 40, Deduct	-87.27	
For >40, Deduct	-184.44	
26 56 13 00-0573 EA 10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	759.56	99.83
For >10 To 20, Deduct	-27.39	
For >20 To 40, Deduct	-49.18	
For >40, Deduct	-103.95	
26 56 13 00-0574 EA 12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	799.33	109.81
For >10 To 20, Deduct	-28.68	
For >20 To 40, Deduct	-51.56	
For >40, Deduct	-108.92	
26 56 13 00-0575 EA 14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	837.99	119.80
For >10 To 20, Deduct	-29.93	
For >20 To 40, Deduct	-53.87	
For >40, Deduct	-113.72	
26 56 13 00-0576 EA 16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	856.69	119.80
For >10 To 20, Deduct	-30.67	
For >20 To 40, Deduct	-55.18	
For >40, Deduct	-116.52	
26 56 13 00-0577 EA 18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	895.36	129.78
For >10 To 20, Deduct	-31.92	
For >20 To 40, Deduct	-57.48	
For >40, Deduct	-121.33	
26 56 13 00-0578 EA 20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	935.13	139.76
For >10 To 20, Deduct	-33.21	
For >20 To 40, Deduct	-59.87	
For >40, Deduct	-126.29	
26 56 13 00-0579 EA 22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,012.29	149.75
For >10 To 20, Deduct	-36.00	
For >20 To 40, Deduct	-64.87	
For >40, Deduct	-136.87	
26 56 13 00-0580 EA 24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,102.65	159.73
For >10 To 20, Deduct	-39.31	
For >20 To 40, Deduct	-70.80	
For >40, Deduct	-149.43	
26 56 13 00-0581 EA 26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,166.45	159.73
For >10 To 20, Deduct	-41.87	
For >20 To 40, Deduct	-75.26	
For >40, Deduct	-159.00	
26 56 13 00-0582 EA 28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,251.33	169.71
For >10 To 20, Deduct	-44.96	
For >20 To 40, Deduct	-80.80	
For >40, Deduct	-170.73	
26 56 13 00-0583 EA 30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,336.19	179.70
For >10 To 20, Deduct	-48.06	
For >20 To 40, Deduct	-86.35	
For >40, Deduct	-182.46	
26 56 13 00-0584 Factory Accessories For Fiberglass Area Light Poles (26 56 13 00-0512)		
26 56 13 00-0585 EA Open Or Capped Top For Fiberglass Area Light Poles.....	39.00	
26 56 13 00-0586 EA Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles.....	39.00	
26 56 13 00-0587 EA Smooth Shaft Finish For Fiberglass Area Light Poles.....	74.00	
26 56 13 00-0588 EA Festoon Outlet Provision For Fiberglass Area Light Poles.....	78.00	
Note: Excludes electrical outlet.		
26 56 13 00-0589 EA Vibration Dampener For Fiberglass Area Light Poles.....	98.00	
26 56 13 00-0590 Concrete Area Light Poles (26 56 13 00-0177)		
26 56 13 00-0591 Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base (26 56 13 00-0590)		
26 56 13 00-0592 EA 28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,378.06	339.43
26 56 13 00-0593 EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,452.94	359.39
26 56 13 00-0594 EA 33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,507.06	369.38
26 56 13 00-0595 EA 36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,871.59	379.36
26 56 13 00-0596 EA 38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,078.45	399.33
26 56 13 00-0597 EA 43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,573.26	519.12
26 56 13 00-0598 EA 47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,083.24	638.92
26 56 13 00-0599 EA 27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,980.88	339.43
Note: Polished brown with acrylic coating finish.		
26 56 13 00-0600 EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,439.36	359.39
Note: Polished brown with acrylic coating finish.		
26 56 13 00-0601 EA Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'.....	376.94	119.80
26 56 13 00-0602 EA 13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design.....	1,786.43	239.52
26 56 13 00-0603 EA Pole Base Cover For All Octagon Poles.....	146.33	48.88
26 56 13 00-0604 EA Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze.....	299.75	97.75
26 56 13 00-0605 Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0590)		
Note: Round or square.		
26 56 13 00-0606 EA 13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	1,474.45	159.73
26 56 13 00-0607 EA 16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	1,666.66	199.66
26 56 13 00-0608 EA 18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	1,840.91	239.59

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0609 EA 30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,565.80	359.39
26 56 13 00-0610 EA 35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,957.76	379.36
26 56 13 00-0611 EA 40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,381.53	399.33
26 56 13 00-0612 EA 45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,921.61	519.12
26 56 13 00-0613 Round Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0590)		
26 56 13 00-0614 EA 60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22).....	9,535.59	898.48
26 56 13 00-0615 EA 70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24).....	11,349.26	1,097.97
26 56 13 00-0616 EA 80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26).....	13,480.30	1,483.22
26 56 13 00-0617 Cast Iron Decorative Light Posts (26 56 13 00-0177)		
26 56 13 00-0618 Round Tapered, Cast Iron Decorative Light Post, Anchor Base (26 56 13 00-0617)		
Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0619 EA 10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	736.68	99.83
26 56 13 00-0620 EA 12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	781.29	115.00
26 56 13 00-0621 EA 14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	845.01	119.80
26 56 13 00-0622 EA 16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,034.87	139.76
26 56 13 00-0623 EA 18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,203.50	151.75
26 56 13 00-0624 EA 20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,380.00	163.72
26 56 13 00-0625 Landscape Light Poles (26 56 13 00-0001)		
26 56 13 00-0626 Aluminum Landscape Light Poles (26 56 13 00-0625)		
Note: Includes painted finish.		
26 56 13 00-0627 Round Straight, Aluminum Landscape Light Poles (26 56 13 00-0626)		
26 56 13 00-0628 Round Straight, Aluminum Landscape Light Poles, Anchor Base (26 56 13 00-0627)		
26 56 13 00-0629 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	337.48	119.80
26 56 13 00-0630 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	629.25	159.73
26 56 13 00-0631 Round Straight, Aluminum Landscape Light Poles, Direct Burial (26 56 13 00-0627)		
26 56 13 00-0632 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	291.41	119.80
26 56 13 00-0633 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	583.19	159.73
26 56 13 00-0634 Steel Landscape Light Poles (26 56 13 00-0625)		
Note: Includes painted finish.		
26 56 13 00-0635 Round Straight, Steel Landscape Light Poles (26 56 13 00-0634)		
26 56 13 00-0636 Round Straight, Steel Landscape Light Poles, Anchor Base (26 56 13 00-0635)		
26 56 13 00-0637 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base.....	306.17	119.80
26 56 13 00-0638 Round Straight, Steel Landscape Light Poles, Direct Burial (26 56 13 00-0635)		
26 56 13 00-0639 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial.....	291.26	119.80
26 56 13 00-0640 Light Pole Brackets And Arms (26 56 13 00-0001)		
26 56 13 00-0641 Light Pole Brackets (26 56 13 00-0640)		
26 56 13 00-0642 Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0641)		
26 56 13 00-0643 Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0642)		
26 56 13 00-0644 Steel, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0643)		
Note: Includes powdercoat finish.		
26 56 13 00-0645 EA Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	314.93	23.96
For Galvanized Finish, Add	26.70	
26 56 13 00-0646 EA Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	395.49	23.96
For Galvanized Finish, Add	34.76	
26 56 13 00-0647 EA Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	420.09	23.96
For Galvanized Finish, Add	37.22	
26 56 13 00-0648 EA Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	571.88	23.96
For Galvanized Finish, Add	52.40	
26 56 13 00-0649 EA Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	595.52	23.96
For Galvanized Finish, Add	54.76	
26 56 13 00-0650 Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0643)		
Note: Includes satin brushed or painted finish.		
26 56 13 00-0651 EA Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	227.22	23.96
For Bronze Or Satin Anodized Finish, Add	17.93	
For Black Anodized Finish, Add	35.86	
26 56 13 00-0652 EA Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	284.42	23.96
For Bronze Or Satin Anodized Finish, Add	23.65	
For Black Anodized Finish, Add	47.30	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0653 EA Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i>	299.82 25.19 50.38	23.96
26 56 13 00-0654 EA Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i>	353.72 30.58 61.16	23.96
26 56 13 00-0655 EA Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i>	364.72 31.68 63.36	23.96
26 56 13 00-0656 Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0642)		
26 56 13 00-0657 Steel, Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0656) Note: Includes powdercoat finish.		
26 56 13 00-0658 EA Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket..... <i>For Galvanized Finish, Add</i>	337.94 29.00	23.96
26 56 13 00-0659 EA Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket <i>For Galvanized Finish, Add</i>	415.10 36.72	23.96
26 56 13 00-0660 EA Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket <i>For Galvanized Finish, Add</i>	505.73 45.78	23.96
26 56 13 00-0661 EA Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket <i>For Galvanized Finish, Add</i>	596.79 54.89	23.96
26 56 13 00-0662 Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0641)		
26 56 13 00-0663 Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0662) Note: Includes powdercoat finish.		
26 56 13 00-0664 EA One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	326.84	39.94
26 56 13 00-0665 EA Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	484.78	39.94
26 56 13 00-0666 EA Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	671.66	39.94
26 56 13 00-0667 EA Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	733.14	39.94
26 56 13 00-0668 Light Pole Arms (26 56 13 00-0640)		
26 56 13 00-0669 Wood Pole Streetlight Arms (26 56 13 00-0668)		
26 56 13 00-0670 Steel, Wood Pole Streetlight Arms (26 56 13 00-0669)		
26 56 13 00-0671 EA 1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	195.04	35.94
26 56 13 00-0672 EA 1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	207.17	39.94
26 56 13 00-0673 EA 1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	241.66	49.91
26 56 13 00-0674 EA 2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	282.85	39.94
26 56 13 00-0675 EA 2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	317.13	49.91
26 56 13 00-0676 EA 2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	384.69	59.90
26 56 13 00-0677 Aluminum, Wood Pole Streetlight Arms (26 56 13 00-0669)		
26 56 13 00-0678 EA 1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	203.03	39.94
26 56 13 00-0679 EA 2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	266.21	39.94
26 56 13 00-0680 EA 2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	361.23	49.91
26 56 13 00-0681 EA 2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	482.43	59.90
26 56 13 00-0682 Area Light Arms (26 56 13 00-0668)		
26 56 13 00-0683 Steel Area Light Arms (26 56 13 00-0682)		
26 56 13 00-0684 EA Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	361.46	39.94
26 56 13 00-0685 EA Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	559.75	43.92
26 56 13 00-0686 EA Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	621.64	47.92
26 56 13 00-0687 EA Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	736.32	51.91
26 56 13 00-0688 EA Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	432.03	49.91
26 56 13 00-0689 EA Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	610.52	53.91
26 56 13 00-0690 Aluminum Area Light Arms (26 56 13 00-0682)		
26 56 13 00-0691 EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	259.16	39.94
26 56 13 00-0692 EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	318.73	49.91
26 56 13 00-0693 EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	380.50	59.90
26 56 13 00-0694 EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	256.96	39.94
26 56 13 00-0695 EA Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	383.75	43.92
26 56 13 00-0696 EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	314.33	49.91
26 56 13 00-0697 EA Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	467.52	53.91
26 56 13 00-0698 EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	382.70	59.90
26 56 13 00-0699 EA Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	569.98	63.89
26 56 13 00-0700 Removal And Reinstallation Of Lighting Pole (26 56 13 00-0001)		
26 56 13 00-0701 EA Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms.....	1,317.77	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 13 00-0702	High Mast Lighting <small>(26 56 13 00-0001)</small>		
26 56 13 00-0703	High Mast Lighting Assemblies <small>(26 56 13 00-0702)</small> Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole.		
26 56 13 00-0704	EA 60'-100' High Mast Lighting Assembly	22,452.57	2,061.09
26 56 13 00-0705	EA 110' High Mast Lighting Assembly	24,116.42	2,263.35
26 56 13 00-0706	EA 120' High Mast Lighting Assembly	25,378.83	2,475.24
26 56 13 00-0707	EA 130' High Mast Lighting Assembly	26,539.50	2,677.49
26 56 13 00-0708	EA 140' High Mast Lighting Assembly	27,801.93	2,889.38
26 56 13 00-0709	EA 150' High Mast Lighting Assembly	29,279.42	3,096.49
26 56 13 00-0710	High Mast Light Poles <small>(26 56 13 00-0702)</small>		
26 56 13 00-0711	EA 60'-100' High Mast Light Poles.....	13,826.92	1,648.88
26 56 13 00-0712	EA 110' High Mast Light Poles	15,138.40	1,810.67
26 56 13 00-0713	EA 120' High Mast Light Poles	16,144.75	1,980.19
26 56 13 00-0714	EA 130' High Mast Light Poles	17,049.37	2,142.00
26 56 13 00-0715	EA 140' High Mast Light Poles	18,055.73	2,311.51
26 56 13 00-0716	EA 150' High Mast Light Poles	19,163.79	2,477.16
26 56 13 00-0717	High Mast Lighting Accessories <small>(26 56 13 00-0702)</small>		
26 56 13 00-0718	EA Bottom Latching System For High Mast Lighting	320.58	
26 56 13 00-0719	EA Top Latching System For High Mast Lighting	865.34	
26 56 13 00-0720	EA Centering Springs For High Mast Lighting	654.64	
26 56 13 00-0721	EA Electric Power Cord For High Mast Lighting	285.95	
26 56 13 00-0722	EA Aircraft Warning Lights For High Mast Lighting.....	670.56	
26 56 13 00-0723	EA Internal Motorized Hoist For High Mast Lighting	5,213.79	
26 56 13 00-0724	EA Portable Hoist Motor With Step Down Transformer For High Mast Lighting	5,274.04	
26 56 13 00-0725	Concrete Bases <small>(26 56 13 00-0001)</small>		
26 56 13 00-0726	Concrete Bases, Cast In Place <small>(26 56 13 00-0725)</small> Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		
26 56 13 00-0727	VLF 2' Diameter Concrete Base For Poles.....	63.67	
26 56 13 00-0728	VLF 2-1/2' Diameter Concrete Base For Poles.....	80.02	
26 56 13 00-0729	VLF 3' Diameter Concrete Base For Poles.....	96.77	
26 56 13 00-0730	VLF 3-1/2' Diameter Concrete Base For Poles.....	119.20	
26 56 13 00-0731	VLF 4' Diameter Concrete Base For Poles.....	142.15	
26 56 13 00-0732	VLF 5' Diameter Concrete Base For Poles.....	193.89	
26 56 13 00-0733	VLF 6' Diameter Concrete Base For Poles.....	255.51	
26 56 19	Roadway Lighting <small>(26 56)</small>		
26 56 19 00-0001	Metal Halide, Pole Mounted <small>(26 56 19)</small>		
26 56 19 00-0002	EA 175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	526.46	160.71
26 56 19 00-0003	EA 250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	600.32	174.45
26 56 19 00-0004	EA 400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	711.85	187.66
26 56 19 00-0005	EA 1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	878.36	219.94
26 56 19 00-0006	High Pressure Sodium, Pole Mounted <small>(26 56 19)</small>		
26 56 19 00-0007	EA 100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	430.41	187.66
26 56 19 00-0008	EA 150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	442.13	187.66
26 56 19 00-0009	EA 175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	462.19	187.66
26 56 19 00-0010	EA 250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	512.92	187.66
26 56 19 00-0011	EA 400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	592.46	187.66
26 56 19 00-0012	EA 1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	820.24	187.66
26 56 19 00-0013	Low Pressure Sodium, Pole Mounted <small>(26 56 19)</small>		
26 56 19 00-0014	EA 135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	514.24	102.09
26 56 19 00-0015	EA 135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	507.38	150.13
26 56 19 00-0016	EA 180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	613.57	150.13
26 56 19 00-0017	Street Light Accessories <small>(26 56 19)</small>		
26 56 19 00-0018	Photo Controls <small>(26 56 19 00-0017)</small>		
26 56 19 00-0019	EA Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014.....	61.04	
26 56 19 00-0020	EA Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016.....	70.86	
26 56 19 00-0021	High Mast Fixtures <small>(26 56 19)</small>		
26 56 19 00-0022	Metal Halide <small>(26 56 19 00-0021)</small>		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0023 EA 400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux.....	942.20	98.56
26 56 19 00-0024 EA 400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	1,005.20	98.56
26 56 19 00-0025 EA 750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux.....	1,000.48	112.60
26 56 19 00-0026 EA 750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	1,038.28	112.60
26 56 19 00-0027 EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux.....	1,056.91	140.74
26 56 19 00-0028 EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	1,094.71	140.74
26 56 19 00-0029 High Pressure Sodium <small>(26 56 19 00-0021)</small>		
26 56 19 00-0030 EA 400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux.....	972.13	98.56
26 56 19 00-0031 EA 400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	1,009.93	98.56
26 56 19 00-0032 EA 600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux.....	1,173.97	104.19
26 56 19 00-0033 EA 750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux.....	1,204.12	112.60
26 56 19 00-0034 EA 1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux.....	1,279.45	140.74
26 56 19 00-0035 LED Roadway Lighting <small>(26 56 19)</small>		
26 56 19 00-0036 LED Roadway Lighting (Philips Lumec) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0037 Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) <small>(26 56 19 00-0036)</small>		
<small>Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.</small>		
26 56 19 00-0038 EA 49 LEDs, 102 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series).....	832.83	95.61
26 56 19 00-0039 EA 98 LEDs, 204 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series).....	1,291.12	98.19
26 56 19 00-0040 LED Roadway Lighting (Lithonia) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0041 Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) <small>(26 56 19 00-0040)</small>		
<small>Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.</small>		
26 56 19 00-0042 EA 30 LEDs, 74 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	1,201.46	90.44
26 56 19 00-0043 EA 60 LEDs, 146 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	1,976.52	93.03
26 56 19 00-0044 LED Roadway Lighting (CREE® BetaLED®) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0045 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) <small>(26 56 19 00-0044)</small>		
<small>Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.</small>		
26 56 19 00-0046 EA UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.	534.82	87.86
26 56 19 00-0047 EA 30 LEDs, 35 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	600.89	90.44
26 56 19 00-0048 EA 40 LEDs, 45 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	680.60	93.03
26 56 19 00-0049 EA 50 LEDs, 55 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	747.72	95.61
26 56 19 00-0050 EA 60 LEDs, 65 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	814.84	98.19
26 56 19 00-0051 EA 70 LEDs, 75 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	974.36	100.78
26 56 19 00-0052 EA 80 LEDs, 86 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,041.47	103.36
26 56 19 00-0053 EA 90 LEDs, 96 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,107.54	105.95
26 56 19 00-0054 EA 100 LEDs, 111 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,236.61	108.53
26 56 19 00-0055 EA 110 LEDs, 122 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,303.73	111.11
26 56 19 00-0056 EA 120 LEDs, 133 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,370.85	113.70
26 56 19 00-0057 Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) <small>(26 56 19 00-0044)</small>		
<small>Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.</small>		
26 56 19 00-0058 EA 40 LEDs, 47 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,063.85	93.03
<i>For Multi-Level Drive Currents, Add</i>		<i>147.00</i>
26 56 19 00-0059 EA 60 LEDs, 68 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,228.54	98.19
<i>For Multi-Level Drive Currents, Add</i>		<i>147.00</i>

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0060	EA		80 LEDs, 90 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,393.22	103.36
			<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 19 00-0061	EA		100 LEDs, 111 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,557.91	108.53
			<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 19 00-0062	EA		120 LEDs, 132 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,050.20	113.70
			<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 19 00-0063	EA		140 LEDs, 157 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,214.88	118.87
			<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 19 00-0064	EA		160 LEDs, 179 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,379.57	124.03
			<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 19 00-0065			Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) <small>(26 56 19 00-0044)</small>		
			Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0066	EA		4,806 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	444.81	93.03
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Backlight Control Shield, Add</i>	21.01	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Bird Spikes, Add</i>	32.70	
			<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
			<i>For Fuse, Add</i>	37.15	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
			<i>For 480 Volt, Add</i>	55.73	
			<i>For Multi-Level, Add</i>	80.49	
26 56 19 00-0067	EA		5,340 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	444.81	93.03
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Backlight Control Shield, Add</i>	21.01	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Bird Spikes, Add</i>	32.70	
			<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
			<i>For Fuse, Add</i>	37.15	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
			<i>For 480 Volt, Add</i>	55.73	
			<i>For Multi-Level, Add</i>	80.49	
26 56 19 00-0068	EA		8,407 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	491.62	93.03
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Backlight Control Shield, Add</i>	21.01	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Bird Spikes, Add</i>	32.70	
			<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
			<i>For 480 Volt, Add</i>	55.73	
26 56 19 00-0069	EA		8,820 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	491.62	93.03
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Backlight Control Shield, Add</i>	21.01	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Bird Spikes, Add</i>	32.70	
			<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
			<i>For 480 Volt, Add</i>	55.73	
26 56 19 00-0070	EA		9,612 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	574.83	93.03
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Backlight Control Shield, Add</i>	30.10	
			<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
			<i>For Fuse, Add</i>	37.15	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
			<i>For Bird Spikes, Add</i>	53.52	
			<i>For 480 Volt, Add</i>	55.73	
			<i>For Multi-Level, Add</i>	80.49	
26 56 19 00-0071	EA		10,680 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	574.83	93.03
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Backlight Control Shield, Add</i>	30.10	
			<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
			<i>For Fuse, Add</i>	37.15	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
			<i>For Bird Spikes, Add</i>	53.52	
			<i>For 480 Volt, Add</i>	55.73	
			<i>For Multi-Level, Add</i>	80.49	



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0072	EA		13,732 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	652.86	93.03
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Backlight Control Shield, Add</i>	30.10	
			<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
			<i>For Bird Spikes, Add</i>	53.52	
			<i>For 480 Volt, Add</i>	55.73	
26 56 19 00-0073	EA		14,408 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	652.86	93.03
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Backlight Control Shield, Add</i>	30.10	
			<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
			<i>For Bird Spikes, Add</i>	53.52	
			<i>For 480 Volt, Add</i>	55.73	
26 56 19 00-0074	EA		2,529 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	361.59	93.03
			<i>For Utility Label, Add</i>	6.19	
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	18.58	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
26 56 19 00-0075	EA		2,722 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	361.59	93.03
			<i>For Utility Label, Add</i>	6.19	
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	18.58	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
26 56 19 00-0076	EA		3,819 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C).....	381.10	93.03
			<i>For Utility Label, Add</i>	6.19	
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	18.58	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
26 56 19 00-0077	EA		4,109 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C).....	381.10	93.03
			<i>For Utility Label, Add</i>	6.19	
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	18.58	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
26 56 19 00-0078	EA		4,548 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	387.60	93.03
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
26 56 19 00-0079	EA		4,627 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	387.60	93.03
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
26 56 19 00-0080			Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™)		
			<small>(26 56 19 00-0044)</small>		
			Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.		
26 56 19 00-0081	EA		3,300 Lumens, 3,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N) (DLC Certified).....	374.60	93.03
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Backlight Control Shield, Add</i>	40.26	
			<i>For Bird Spikes, Add</i>	53.88	
26 56 19 00-0082	EA		3,300 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N) (DLC Certified).....	374.60	93.03
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Backlight Control Shield, Add</i>	40.26	
			<i>For Bird Spikes, Add</i>	53.88	
26 56 19 00-0083	EA		5,000 Lumens, 3,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N) (DLC Certified).....	387.60	93.03
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Backlight Control Shield, Add</i>	40.26	
			<i>For Bird Spikes, Add</i>	53.88	
26 56 19 00-0084	EA		5,000 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N) (DLC Certified).....	387.60	93.03
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Backlight Control Shield, Add</i>	40.26	
			<i>For Bird Spikes, Add</i>	53.88	
26 56 19 00-0085			LED Roadway Lighting (Cooper Lighting) <small>(26 56 19 00-0035)</small>		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0086		Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) <small>(26 56 19 00-0085)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0087	EA	1 LED Light Square, 51 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	537.00	93.03
26 56 19 00-0088	EA	2 LED Light Squares, 103 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	723.84	103.36
26 56 19 00-0089	EA	3 LED Light Squares, 154 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	777.84	118.87
26 56 19 00-0090	EA	4 LED Light Squares, 206 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,148.93	129.20
26 56 19 00-0091	EA	6 LED Light Squares, 309 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,502.94	147.09
26 56 19 00-0092		LED Roadway Lighting (PlanLED) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0093		Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) <small>(26 56 19 00-0092)</small> Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0094	EA	8,500 Lumens, 85 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W).....	636.59	90.44
26 56 19 00-0095	EA	11,000 Lumens, 110 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W).....	691.07	91.44
26 56 19 00-0096	EA	15,000 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W).....	734.15	93.03
26 56 19 00-0097		Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) <small>(26 56 19 00-0092)</small> Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0098	EA	7,200 Lumens, 60 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060).....	425.36	88.26
26 56 19 00-0099	EA	10,000 Lumens, 80 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080).....	454.79	89.85
26 56 19 00-0100	EA	12,500 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100).....	501.02	91.44
26 56 19 00-0101		Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) <small>(26 56 19 00-0092)</small> Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0102	EA	13,000 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100).....	531.47	91.44
		<i>For 0 To 10 Volt Dimming, Add</i>	49.73	
		<i>For 347-480 Volt, Add</i>	49.73	
26 56 19 00-0103	EA	16,900 Lumens, 130 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130).....	587.66	92.23
		<i>For 0 To 10 Volt Dimming, Add</i>	49.73	
		<i>For 347-480 Volt, Add</i>	18.31	
26 56 19 00-0104	EA	19,500 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150).....	631.25	93.03
		<i>For 0 To 10 Volt Dimming, Add</i>	49.73	
		<i>For 347-480 Volt, Add</i>	0.55	
26 56 19 00-0105		LED Roadway Lighting (General Electric) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0106		Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) <small>(26 56 19 00-0105)</small> Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.		
26 56 19 00-0107	EA	2,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 23).....	392.37	87.86
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0108	EA	4,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 B1).....	420.34	90.44
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0109	EA	5,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 C1).....	437.87	91.44
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0110	EA	9,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 G1).....	486.65	95.61
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0111	EA	2,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 23).....	413.10	87.86
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0112	EA	4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 B2).....	459.74	90.44
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0113	EA	5,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 C2).....	470.01	91.44
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0114	EA	10,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 G2).....	509.46	95.61
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	



Electrical	26
Lighting	26 50
Exterior Lighting	26 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0115 EA 11,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 E3).....	597.55	98.19
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
26 56 19 00-0116 EA 19,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 G3).....	673.19	103.36
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
26 56 19 00-0117 EA 2,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 AXBX 3 40 7 GRAY D) (DLC Certified).....	517.04	103.36
For >500, Deduct	-15.52	
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
26 56 19 00-0118 EA 2,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 2XBX 7 40 7 GRAY D) (DLC Certified).....	504.85	103.36
For >500, Deduct	-14.91	
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
26 56 19 00-0119 EA 4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 BXCX 5 40 7 GRAY D) (DLC Certified).....	529.23	103.36
For >500, Deduct	-16.13	
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
26 56 19 00-0120 EA 6,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 CXBX 7 40 7 GRAY D) (DLC Certified).....	612.35	103.36
For >500, Deduct	-20.28	
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
26 56 19 00-0121 EA 10,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 HXCX 5 40 7 GRAY D) (DLC Certified).....	735.37	103.36
For >500, Deduct	-26.43	
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
26 56 19 00-0122 EA 13,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 HXCX 7 40 7 GRAY D) (DLC Certified).....	735.37	103.36
For >500, Deduct	-26.43	
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
26 56 19 00-0123 EA 20,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS4 0 TXCX 5 40 7 GRAY D) (DLC Certified).....	1,259.58	103.36
For >500, Deduct	-52.64	
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
26 56 19 00-0124 EA 2,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 2XBX 7 40 7 GRAY D) (DLC Certified).....	438.35	103.36
For >500, Deduct	-11.58	
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
26 56 19 00-0125 EA 4,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 AXCX 7 40 7 GRAY D) (DLC Certified).....	462.73	103.36
For >500, Deduct	-12.80	
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
26 56 19 00-0126 EA 7,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 BXB 1 40 7 GRAY D) (DLC Certified).....	534.77	103.36
For >500, Deduct	-16.40	
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
26 56 19 00-0127 EA 11,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 DXCX 1 40 7 GRAY D) (DLC Certified).....	674.41	103.36
For >500, Deduct	-23.38	
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
26 56 19 00-0128 EA 13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 EXCX 1 40 7 GRAY D) (DLC Certified).....	692.14	103.36
For >500, Deduct	-24.27	
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
26 56 19 00-0129 LED Roadway Lighting (Acuity AEL Autobahn) (26 56 19 00-0035)		
26 56 19 00-0130 Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) (26 56 19 00-0129)		
Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0131 EA 4,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0)	842.05	103.36
26 56 19 00-0132 EA 9,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0)	1,080.29	103.36
26 56 19 00-0133 EA 12,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2)	1,144.27	103.36
26 56 19 00-0134 EA 4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70 MVOLT R2 DM) (DLC Certified)	648.37	103.36
For >100 To 500, Deduct	-22.08	
For >500, Deduct	-44.17	
26 56 19 00-0135 EA 6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70 MVOLT R2 DM) (DLC Certified)	789.99	103.36
For >100 To 500, Deduct	-29.16	
For >500, Deduct	-58.33	
26 56 19 00-0136 EA 9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70 MVOLT R3 DM) (DLC Certified)	1,081.70	103.36
For >100 To 500, Deduct	-43.75	
For >500, Deduct	-87.50	
26 56 19 00-0137 EA 13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70 MVOLT R3 DM) (DLC Certified)	1,373.33	103.36
For >100 To 500, Deduct	-58.33	
For >500, Deduct	-116.66	
26 56 19 00-0138 EA 17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70 MVOLT R3 DM) (DLC Certified)	1,659.99	103.36
For >100 To 500, Deduct	-72.66	
For >500, Deduct	-145.33	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0139			LED Roadway Lighting (Leotek) (26 56 19 00-0035)		
26 56 19 00-0140			Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) (26 56 19 00-0139) Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		
26 56 19 00-0141	EA		2,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC1-4M-MV-NW-X-GY-WL-XXX).....	296.54	87.86
			For Utility Wattage Label, Add	1.24	
			For ANSI 5-wire Photocontrol Receptacle, Add	12.44	
			For ANSI 7-wire Photocontrol Receptacle, Add	13.68	
			For House Or Cul-De-Sac Side Shield, Add	29.02	
26 56 19 00-0142	EA		4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC1-6M-MV-NW-X-GY-WL-XXX).....	339.80	90.44
			For Utility Wattage Label, Add	1.24	
			For ANSI 5-wire Photocontrol Receptacle, Add	12.44	
			For ANSI 7-wire Photocontrol Receptacle, Add	13.68	
			For House Or Cul-De-Sac Side Shield, Add	29.02	
26 56 19 00-0143	EA		6,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC3-10M-MV-NW-X-GY-WL-XXX).....	391.76	93.03
			For Utility Wattage Label, Add	1.24	
			For ANSI 5-wire Photocontrol Receptacle, Add	12.44	
			For ANSI 7-wire Photocontrol Receptacle, Add	13.68	
			For House Or Cul-De-Sac Side Shield, Add	31.10	
26 56 19 00-0144	EA		9,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC4-14M-MV-NW-X-GY-WL-XXX).....	442.65	95.61
			For Utility Wattage Label, Add	1.24	
			For ANSI 5-wire Photocontrol Receptacle, Add	12.44	
			For ANSI 7-wire Photocontrol Receptacle, Add	13.68	
			For House Or Cul-De-Sac Side Shield, Add	34.21	
26 56 19 00-0145	EA		11,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC7-18M-MV-NW-X-GY-WL-XXX).....	539.25	98.19
			For Utility Wattage Label, Add	1.24	
			For ANSI 5-wire Photocontrol Receptacle, Add	12.44	
			For ANSI 7-wire Photocontrol Receptacle, Add	13.68	
			For House Or Cul-De-Sac Side Shield, Add	37.32	
26 56 19 00-0146	EA		15,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC7-24M-MV-NW-X-GY-WL-XXX).....	621.69	100.78
			For Utility Wattage Label, Add	1.24	
			For ANSI 5-wire Photocontrol Receptacle, Add	12.44	
			For ANSI 7-wire Photocontrol Receptacle, Add	13.68	
			For House Or Cul-De-Sac Side Shield, Add	37.32	
26 56 19 00-0147	EA		19,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC9-30M-MV-NW-X-GY-WL-XXX).....	691.07	103.36
			For Utility Wattage Label, Add	1.24	
			For ANSI 5-wire Photocontrol Receptacle, Add	12.44	
			For ANSI 7-wire Photocontrol Receptacle, Add	13.68	
			For House Or Cul-De-Sac Side Shield, Add	37.32	
26 56 19 00-0148			Induction Roadway Lighting (26 56 19)		
26 56 19 00-0149			Induction Roadway Lighting (US Lighting Tech) (26 56 19 00-0148) Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.		
26 56 19 00-0150	EA		40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	521.14	119.26
26 56 19 00-0151	EA		70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	584.50	123.24
26 56 19 00-0152	EA		100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	600.40	131.19
26 56 19 00-0153	EA		150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	616.30	139.14
26 56 19 00-0154	EA		200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	751.71	143.11
26 56 19 00-0155	EA		250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	764.10	147.09
26 56 19 00-0156	EA		40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	474.59	119.26
26 56 19 00-0157	EA		70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	544.61	123.24
26 56 19 00-0158	EA		100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	560.51	131.19
26 56 19 00-0159	EA		150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	576.41	139.14
26 56 23			Area Lighting (26 56)		
26 56 23 00-0001			Exterior Globe (26 56 23)		
26 56 23 00-0002			Incandescent (26 56 23 00-0001)		
26 56 23 00-0003	EA		100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	42.20	12.83
26 56 23 00-0004	EA		150-200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	72.31	12.83
26 56 23 00-0005	EA		100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	52.75	12.83
26 56 23 00-0006	EA		150-200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	76.38	12.83
26 56 23 00-0007			Surface Mounted, Rectangular Exterior Area Fixture (26 56 23)		
26 56 23 00-0008			Metal Halide (26 56 23 00-0007)		
26 56 23 00-0009	EA		175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	485.76	150.13
26 56 23 00-0010	EA		250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	563.55	168.89
26 56 23 00-0011	EA		400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	691.01	187.66
26 56 23 00-0012	EA		1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	858.99	219.94
26 56 23 00-0013			High Pressure Sodium (26 56 23 00-0007)		
26 56 23 00-0014	EA		70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	483.08	128.36



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0015 EA 100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	528.51	136.62
26 56 23 00-0016 EA 150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	573.44	144.12
26 56 23 00-0017 EA 175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	591.81	150.13
26 56 23 00-0018 EA 250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	662.24	168.89
26 56 23 00-0019 EA 400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	716.07	187.66
26 56 23 00-0020 EA 1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	958.42	219.94
26 56 23 00-0021 Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures ^(26 56 23)		
26 56 23 00-0022 High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures ^(26 56 23 00-0021)		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0023 EA 35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	470.52	101.33
26 56 23 00-0024 EA 50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	487.65	112.60
26 56 23 00-0025 EA 70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	454.14	128.36
26 56 23 00-0026 EA 100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	534.73	136.62
26 56 23 00-0027 EA 150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	549.52	144.12
26 56 23 00-0028 EA 175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	575.92	150.13
26 56 23 00-0029 EA 250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	631.47	168.89
26 56 23 00-0030 EA 400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	768.86	187.66
26 56 23 00-0031 Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures ^(26 56 23 00-0031)		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0032 EA 50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	445.88	112.60
26 56 23 00-0033 EA 70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	474.33	128.36
26 56 23 00-0034 EA 100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	491.73	136.62
26 56 23 00-0035 EA 150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	516.86	144.12
26 56 23 00-0036 EA 175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	525.08	150.13
26 56 23 00-0037 EA 250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	573.85	168.89
26 56 23 00-0038 EA 400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	722.73	187.66
26 56 23 00-0039 Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures ^(26 56 23 00-0039)		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0040 EA 7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	142.12	51.31
26 56 23 00-0041 EA 9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	148.56	54.51
26 56 23 00-0042 EA 13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	162.66	57.72
26 56 23 00-0043 EA 75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	165.93	64.12
26 56 23 00-0044 EA 100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	186.13	73.74
26 56 23 00-0045 Wall Packs ^(26 56 23)		
26 56 23 00-0046 Non Cutoff, Polycarbonate Lens, Mini Wall Packs ^(26 56 23 00-0045)		
Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 23 00-0047 EA 13 Watt Compact Fluorescent, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	197.01	35.07
26 56 23 00-0048 EA 50 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	210.50	35.07
26 56 23 00-0049 EA 35 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	210.50	35.07
26 56 23 00-0050 EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	275.89	35.07
26 56 23 00-0051 Semi Cutoff, Polycarbonate Lens, Mini Wall Packs ^(26 56 23 00-0045)		
Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 23 00-0052 EA 42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	381.42	35.07
26 56 23 00-0053 EA 50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	386.28	35.07
26 56 23 00-0054 EA 70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	390.47	35.07
26 56 23 00-0055 EA 100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	382.82	35.07
26 56 23 00-0056 EA 70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	351.35	35.07
26 56 23 00-0057 EA 100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	334.07	35.07
26 56 23 00-0058 Cutoff, Polycarbonate Lens, Mini Wall Packs ^(26 56 23 00-0045)		
Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 23 00-0059 EA 50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	401.33	35.07
26 56 23 00-0060 EA 70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	405.75	35.07
26 56 23 00-0061 EA 100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	398.11	35.07
26 56 23 00-0062 EA 70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	404.27	35.07
26 56 23 00-0063 EA 100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	404.27	35.07
26 56 23 00-0064 Non Cutoff, Borosilicate Glass Lens, Small Wall Packs ^(26 56 23 00-0045)		
Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 23 00-0065 EA 70 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	385.56	46.71
26 56 23 00-0066 EA 100 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	385.56	46.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0067 EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	361.88	46.71
26 56 23 00-0068 EA 70 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	370.96	46.71
26 56 23 00-0069 EA 100 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	370.96	46.71
26 56 23 00-0070 EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	344.70	46.71
26 56 23 00-0071 Cutoff, Borosilicate Glass Lens, Small Wall Packs (26 56 23 00-0045)		
Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 23 00-0072 EA 70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	399.59	46.71
26 56 23 00-0073 EA 100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	399.59	46.71
26 56 23 00-0074 EA 175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	399.59	46.71
26 56 23 00-0075 EA 70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	385.66	46.71
26 56 23 00-0076 EA 100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	385.66	46.71
26 56 23 00-0077 EA 150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	385.66	46.71
26 56 23 00-0078 Full Cutoff, Tempered Glass Lens, Small Wall Packs (26 56 23 00-0045)		
Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 23 00-0079 EA 175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	512.94	46.71
26 56 23 00-0080 Cutoff, Borosilicate Glass Lens, Medium Wall Packs (26 56 23 00-0045)		
Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 23 00-0081 EA 250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	485.79	57.87
Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 23 00-0082 EA 400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	517.89	57.87
Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 23 00-0083 EA 250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	556.17	57.87
Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 23 00-0084 EA 400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	566.70	57.87
Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 23 00-0085 Cutoff, Tempered Glass Lens, Medium Wall Packs (26 56 23 00-0045)		
Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 23 00-0086 EA 250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	527.08	57.87
26 56 23 00-0087 EA 400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	563.15	57.87
26 56 23 00-0088 Non Cutoff, Polycarbonate Lens, Large Wall Packs (26 56 23 00-0045)		
Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 23 00-0089 EA 100 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	490.59	70.15
26 56 23 00-0090 EA 175 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	452.39	70.15
26 56 23 00-0091 EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	481.75	70.15
26 56 23 00-0092 EA 100 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	484.68	70.15
26 56 23 00-0093 EA 150 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	487.74	70.15
26 56 23 00-0094 Non Cutoff, Borosilicate Glass Lens, Large Wall Packs (26 56 23 00-0045)		
Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 23 00-0095 EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	490.60	70.15
26 56 23 00-0096 EA 250 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	503.35	70.15
26 56 23 00-0097 EA 400 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	541.56	70.15
26 56 23 00-0098 EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	516.09	70.15
26 56 23 00-0099 EA 250 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	528.84	70.15
26 56 23 00-0100 EA 400 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	554.29	70.15
26 56 23 00-0101 Full Cutoff, LED Wall Packs (26 56 23 00-0045)		
26 56 23 00-0102 Full Cutoff, LED Wall Packs (Lithonia) (26 56 23 00-0101)		
26 56 23 00-0103 EA 30 LEDs, 57 System Watts, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	955.94	69.57
26 56 23 00-0104 EA 30 LEDs, 35 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,044.60	69.57
26 56 23 00-0105 Full Cutoff, LED Wall Packs (CREE® BetaLED®) (26 56 23 00-0101)		
26 56 23 00-0106 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) (26 56 23 00-0105)		
Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0107 EA 20 LEDs, 26 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	583.76	67.59
Note: Includes 350mA or 525mA driver.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Bird Spikes, Add	30.16	
For Fuse, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0108 EA 40 LEDs, 47 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	754.25	71.56
Note: Includes 350mA or 525mA driver.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Bird Spikes, Add	30.56	
For Fuse, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	
26 56 23 00-0109 EA 60 LEDs, 68 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	924.74	75.54
Note: Includes 350mA or 525mA driver.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Bird Spikes, Add	30.95	
For Fuse, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	
26 56 23 00-0110 EA 80 LEDs, 90 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,095.23	79.51
Note: Includes 350mA or 525mA driver.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Bird Spikes, Add	31.35	
For Fuse, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	
26 56 23 00-0111 EA 100 LEDs, 111 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,265.72	83.49
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Bird Spikes, Add	31.75	
For Fuse, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	
26 56 23 00-0112 EA 120 LEDs, 132 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,436.22	87.46
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Bird Spikes, Add	32.15	
For Fuse, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	
26 56 23 00-0113 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) ^(26 56 23 00-0105)		
Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0114 EA 25 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	342.40	67.59
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For 0 To 10 Volt Dimming, Add	37.15	
For Multi-Level, Add	37.15	
26 56 23 00-0115 EA 42 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	398.70	71.56
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For 0 To 10 Volt Dimming, Add	37.15	
For Multi-Level, Add	37.15	
26 56 23 00-0116 Semi Cutoff, Induction Wall Packs ^(26 56 23 00-0045)		
26 56 23 00-0117 Semi Cutoff, Induction Wall Packs (Everlast®) ^(26 56 23 00-0116)		
Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 23 00-0118 EA 70 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70)	623.59	67.59
26 56 23 00-0119 EA 80 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80)	636.99	71.56
26 56 23 00-0120 EA 100 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100)	650.38	75.54
26 56 23 00-0121 EA 120 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120)	723.63	79.51
26 56 23 00-0122 Wall Pack Accessories ^(26 56 23 00-0045)		
26 56 23 00-0123 EA Photocell For Wall Pack.....	74.13	17.54
26 56 23 00-0124 EA Wire Guard For Mini And Small Wall Pack	82.29	17.54
26 56 23 00-0125 EA Wire Guard For Medium And Large Wall Pack	116.43	17.54
26 56 23 00-0126 EA Clear Polycarbonate Vandal Guard For Wall Packs	165.71	17.54
26 56 23 00-0127 EA Full Cutoff Visor For Wall Pack	80.06	17.54
26 56 23 00-0128 LED Area Fixtures ^(26 56 23)		
26 56 23 00-0129 Pole Mount, LED Area Fixtures ^(26 56 23 00-0128)		
26 56 23 00-0130 Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) ^(26 56 23 00-0129)		
Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0131 EA 20 LEDs, 45 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	1,866.84	67.59
26 56 23 00-0132 EA 40 LEDs, 91 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,013.32	71.56
26 56 23 00-0133 EA 80 LEDs, 188 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,167.76	79.51
26 56 23 00-0134 EA 100 LEDs, 218 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,175.71	83.49

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 23 00-0135	Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) <small>(26 56 23 00-0129)</small> Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 23 00-0136	EA 40 LEDs, 47 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	785.71	71.56
	<i>For Backlight Shielding, Add</i>	14.70	
	<i>For Type II Medium Optic, Add</i>	24.81	
	<i>For 347-480 Volt, Add</i>	53.89	
	<i>For Multi-Level Drive Currents, Add</i>	147.00	
	<i>For Post Top Mount, Add</i>	610.31	
26 56 23 00-0137	EA 60 LEDs, 68 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	948.01	75.54
	<i>For Backlight Shielding, Add</i>	14.70	
	<i>For Type II Medium Optic, Add</i>	25.20	
	<i>For 347-480 Volt, Add</i>	53.89	
	<i>For Multi-Level Drive Currents, Add</i>	147.00	
	<i>For Post Top Mount, Add</i>	612.70	
26 56 23 00-0138	EA 80 LEDs, 90 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,172.26	79.51
	<i>For Backlight Shielding, Add</i>	14.70	
	<i>For Type II Medium Optic, Add</i>	25.60	
	<i>For 347-480 Volt, Add</i>	53.89	
	<i>For Multi-Level Drive Currents, Add</i>	147.00	
	<i>For Post Top Mount, Add</i>	615.08	
26 56 23 00-0139	EA 100 LEDs, 111 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,334.56	83.49
	<i>For Backlight Shielding, Add</i>	14.70	
	<i>For Type II Medium Optic, Add</i>	26.00	
	<i>For 347-480 Volt, Add</i>	53.89	
	<i>For Multi-Level Drive Currents, Add</i>	147.00	
	<i>For Post Top Mount, Add</i>	617.47	
26 56 23 00-0140	EA 120 LEDs, 132 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,496.87	87.46
	<i>For Backlight Shielding, Add</i>	14.70	
	<i>For Type II Medium Optic, Add</i>	26.40	
	<i>For 347-480 Volt, Add</i>	53.89	
	<i>For Multi-Level Drive Currents, Add</i>	147.00	
	<i>For Post Top Mount, Add</i>	619.86	
26 56 23 00-0141	EA 140 LEDs, 157 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,708.52	91.44
	<i>For Backlight Shielding, Add</i>	14.70	
	<i>For Type II Medium Optic, Add</i>	26.79	
	<i>For 347-480 Volt, Add</i>	53.89	
	<i>For Multi-Level Drive Currents, Add</i>	147.00	
	<i>For Post Top Mount, Add</i>	622.24	
26 56 23 00-0142	EA 160 LEDs, 179 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,870.82	95.41
	<i>For Backlight Shielding, Add</i>	14.70	
	<i>For Type II Medium Optic, Add</i>	27.19	
	<i>For 347-480 Volt, Add</i>	53.89	
	<i>For Multi-Level Drive Currents, Add</i>	147.00	
	<i>For Post Top Mount, Add</i>	624.63	
26 56 23 00-0143	Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) <small>(26 56 23 00-0129)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0144	EA 120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	1,382.90	87.46
	<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
	<i>For Bird Spikes, Add</i>	28.26	
	<i>For 5,000K Color Temperature, Add</i>	30.96	
	<i>For Fuse, Add</i>	37.15	
	<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
	<i>For 480 Volt, Add</i>	55.73	
	<i>For Multi-Level, Add</i>	80.49	
	<i>For 1,000mA Driver, Add</i>	104.03	
26 56 23 00-0145	EA 240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	2,332.89	107.34
	<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
	<i>For 5,000K Color Temperature, Add</i>	30.96	
	<i>For Fuse, Add</i>	37.15	
	<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
	<i>For Bird Spikes, Add</i>	41.95	
	<i>For Multi-Level, Add</i>	80.49	
	<i>For 1,000mA Driver, Add</i>	104.02	
	<i>For 480 Volt, Add</i>	111.45	
26 56 23 00-0146	Wall Mount, LED Area Fixtures <small>(26 56 23 00-0128)</small>		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0147 Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) <small>(26 56 23 00-0146)</small> Note: UL wet listed. Includes 4,000K color temperature, 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0148 EA 20 LEDs, 47 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	801.51	67.59
26 56 23 00-0149 EA 30 LEDs, 71 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	817.41	75.54
26 56 23 00-0150 Surface Mount, LED Parking Structure Fixtures <small>(26 56 23 00-0128)</small>		
26 56 23 00-0151 Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) <small>(26 56 23 00-0150)</small> Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0152 EA 40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	693.31	71.56
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0153 EA 60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	855.61	75.54
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0154 EA 80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,017.91	79.51
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0155 EA 100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,180.21	83.49
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0156 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) <small>(26 56 23 00-0150)</small> Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0157 EA 40 LEDs, 47 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	668.11	71.56
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0158 EA 60 LEDs, 68 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	738.01	75.54
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0159 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) <small>(26 56 23 00-0150)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0160 EA 3,700 Lumens, 50 System Watts, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL).....	538.76	71.56
26 56 23 00-0161 Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) <small>(26 56 23 00-0150)</small> Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.		
26 56 23 00-0162 EA 70 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,020.26	75.54
26 56 23 00-0163 EA 110 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,036.16	83.49
26 56 23 00-0164 Surface Mount, LED Canopy Fixtures <small>(26 56 23 00-0128)</small>		
26 56 23 00-0165 Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) <small>(26 56 23 00-0164)</small> Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0166 EA 40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	804.61	71.56
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0167 EA 60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	966.91	75.54
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0168 EA 80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,129.21	79.51
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0169 EA 100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,291.51	83.49
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0170 EA 120 LEDs, 132 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,453.82	87.46
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0171 EA 140 LEDs, 157 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,678.07	91.44
For Multi-Level Drive Currents, Add	147.00	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0172 EA 160 LEDs, 179 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,840.37	95.41
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0173 EA 200 LEDs, 221 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,164.97	103.36
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0174 EA 240 LEDs, 264 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,481.63	107.34
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0175 Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) <small>(26 56 23 00-0164)</small>		
Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0176 EA 8,000 Lumens, 82 System Watts, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250).....	554.86	79.51
26 56 23 00-0177 Recessed Mount, LED Soffit Fixtures <small>(26 56 23 00-0128)</small>		
26 56 23 00-0178 Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) <small>(26 56 23 00-0177)</small>		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0179 EA 40 LEDs, 47 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	680.71	71.56
26 56 23 00-0180 EA 60 LEDs, 68 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	750.61	75.54
26 56 23 00-0181 Surface Mount, LED Area Fixtures <small>(26 56 23 00-0128)</small>		
26 56 23 00-0182 Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) <small>(26 56 23 00-0181)</small>		
Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 23 00-0183 EA 50 LEDs, 59 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	597.19	71.56
26 56 23 00-0184 EA 50 LEDs, 59 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	747.82	71.56
26 56 23 00-0185 EA 68 LEDs, 79 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	626.93	79.51
26 56 23 00-0186 EA 68 LEDs, 79 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	771.32	79.51
26 56 23 00-0187 Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) <small>(26 56 23 00-0181)</small>		
Note: Wall, inverted, post, bollard, floodlight trunion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0188 EA 13 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A).....	195.25	25.26
For Knuckle Mount Or Trunion Mount Base, Add	45.00	
26 56 23 00-0189 EA 20 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A).....	227.74	25.26
For Knuckle Mount Or Trunion Mount Base, Add	45.00	
26 56 23 00-0190 EA 30 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A).....	289.62	25.26
For Knuckle Mount Or Trunion Mount Base, Add	45.00	
26 56 23 00-0191 Surface Mount, LED Facade Fixtures <small>(26 56 23 00-0128)</small>		
26 56 23 00-0192 Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) <small>(26 56 23 00-0191)</small>		
26 56 23 00-0193 EA 12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	385.67	29.50
26 56 23 00-0194 EA 24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	625.03	26.93
26 56 23 00-0195 EA 36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	796.56	22.45
26 56 23 00-0196 EA 48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	968.06	17.95
26 56 23 00-0197 Post Top, LED Area Fixtures <small>(26 56 23 00-0128)</small>		
26 56 23 00-0198 Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) <small>(26 56 23 00-0197)</small>		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0199 EA 1,800 Lumens, 27 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1).....	1,093.21	109.33
26 56 23 00-0200 EA 3,400 Lumens, 54 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2).....	1,204.79	109.33
26 56 23 00-0201 EA 4,900 Lumens, 77 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3).....	1,293.00	109.33



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0202 Post Top, LED Area Fixtures (General Electric EPAS) <small>(26 56 23 00-0197)</small> Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 23 00-0203 EA 2,380 Lumens, 49 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 D5/D3)	1,311.70	109.33
For >25 To 500, Deduct	-76.51	
For >500, Deduct	-142.10	
26 56 23 00-0204 EA 3,200 Lumens, 45 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3)	1,351.71	109.33
For >25 To 500, Deduct	-79.31	
For >500, Deduct	-260.60	
26 56 23 00-0205 EA 4,630 Lumens, 86 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 B5/B3)	1,351.79	109.33
For >25 To 500, Deduct	-79.32	
For >500, Deduct	-147.31	
26 56 23 00-0206 EA 6,515 Lumens, 80 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3)	1,382.18	109.33
For >25 To 500, Deduct	-81.45	
For >500, Deduct	-267.61	
 26 56 23 00-0207 Post Top, LED Area Fixtures (General Electric EPTC) <small>(26 56 23 00-0197)</small> Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 23 00-0208 EA 2,380 Lumens, 49 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC D5/D3)	913.65	109.33
For >25 To 500, Deduct	-48.65	
For >500, Deduct	-118.15	
26 56 23 00-0209 EA 3,200 Lumens, 45 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3)	939.09	109.33
For >25 To 500, Deduct	-50.43	
For >500, Deduct	-208.93	
26 56 23 00-0210 EA 4,630 Lumens, 86 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC B5/B3)	957.65	109.33
For >25 To 500, Deduct	-36.95	
For >500, Deduct	-133.02	
26 56 23 00-0211 EA 6,150 Lumens, 80 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3)	984.70	109.33
For >25 To 500, Deduct	-53.62	
For >500, Deduct	-199.17	
 26 56 23 00-0212 Post Top, LED Area Fixtures (General Electric EPST) <small>(26 56 23 00-0197)</small> Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 23 00-0213 EA 2,250 Lumens, 49 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST D5/D3)	713.65	109.33
For >25 To 500, Deduct	-34.65	
For >500, Deduct	-54.45	
26 56 23 00-0214 EA 3,135 Lumens, 45 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3)	731.77	109.33
For >25 To 500, Deduct	-35.92	
For >500, Deduct	-107.76	
26 56 23 00-0215 EA 4,350 Lumens, 86 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST B5/B3)	757.65	109.33
For >500, Deduct	-70.07	
For >25 To 500, Deduct	-32.34	
26 56 23 00-0216 EA 6,115 Lumens, 80 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3)	777.38	109.33
For >25 To 500, Deduct	-39.11	
For >500, Deduct	-117.33	
 26 56 23 00-0217 Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) <small>(26 56 23 00-0197)</small> Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.		
26 56 23 00-0218 EA 13,800 Lumens, 130 System Watts, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	1,818.85	109.33
 26 56 23 00-0219 LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53) <small>(26 56 23 00-0197)</small> Note: Includes 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0128 for disposal of hazardous lamps.		
26 56 23 00-0220 EA LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53)	502.86	59.64
For 0 To 10 Volt Dimming, Add	37.15	
 26 56 23 00-0221 LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) <small>(26 56 23 00-0197)</small> Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0128 for disposal of hazardous lamps.		

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0222 EA LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) <i>For Backlight Control Shield, Add</i>	316.14 24.64	12.72
26 56 23 00-0223 Induction Area Fixtures (26 56 23)		
26 56 23 00-0224 Post Top, Induction Area Fixtures (26 56 23 00-0223)		
26 56 23 00-0225 Post Top, Induction Area Fixtures (US Lighting Tech) (26 56 23 00-0224) Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 23 00-0226 EA 40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	618.74	109.33
26 56 23 00-0227 EA 70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	683.02	109.33
26 56 23 00-0228 EA 100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	683.02	109.33
26 56 23 00-0229 EA 150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	683.02	109.33
26 56 23 00-0230 Surface Mount, Induction Parking Structure Fixtures (26 56 23 00-0223)		
26 56 23 00-0231 Surface Mount, Induction Parking Structure Fixtures (Everlast®) (26 56 23 00-0230)		
26 56 23 00-0232 EA 40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	544.82	99.39
26 56 23 00-0233 EA 55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	586.48	101.37
26 56 23 00-0234 EA 70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	594.89	103.36
26 56 23 00-0235 EA 80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	603.30	105.35
26 56 23 00-0236 EA 100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	611.71	107.34
26 56 23 00-0237 EA 120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	624.55	109.33
26 56 23 00-0238 EA 70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	659.17	103.36
26 56 23 00-0239 EA 80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	667.58	105.35
26 56 23 00-0240 EA 100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	675.99	107.34
26 56 23 00-0241 EA 120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	707.67	109.33
26 56 23 00-0242 Pole Mount, Induction Area Fixtures (26 56 23 00-0223)		
26 56 23 00-0243 Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) (26 56 23 00-0242) Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 23 00-0244 EA 70 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	650.80	67.59
26 56 23 00-0245 EA 80 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	669.64	71.56
26 56 23 00-0246 EA 100 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	688.47	75.54
26 56 23 00-0247 Metal Halide Area Fixtures (26 56 23)		
26 56 23 00-0248 Pole Mount, Metal Halide Area Fixtures (26 56 23 00-0247) Note: Includes pulse start ballast.		
26 56 23 00-0249 EA 150 Watt, Metal Halide Area Fixture, Pole Mount	604.18	99.83
26 56 23 00-0250 EA 175 Watt, Metal Halide Area Fixture, Pole Mount	662.94	109.81
26 56 23 00-0251 EA 250 Watt, Metal Halide Area Fixture, Pole Mount	732.84	119.80
26 56 23 00-0252 EA 400 Watt, Metal Halide Area Fixture, Pole Mount	777.66	139.76
26 56 23 00-0253 High Pressure Sodium Area Fixtures (26 56 23)		
26 56 23 00-0254 Pole Mount, High Pressure Sodium Area Fixtures (26 56 23 00-0253)		
26 56 23 00-0255 EA 100 Watt, High Pressure Sodium Area Fixture, Pole Mount	501.19	79.86
26 56 23 00-0256 EA 150 Watt, High Pressure Sodium Area Fixture, Pole Mount	548.10	99.83
26 56 23 00-0257 EA 250 Watt, High Pressure Sodium Area Fixture, Pole Mount	596.85	119.80
26 56 23 00-0258 EA 400 Watt, High Pressure Sodium Area Fixture, Pole Mount	632.01	139.76
26 56 23 00-0259 Area Lighting Accessories (26 56 23)		
26 56 23 00-0260 Outdoor Motion Sensors (26 56 23 00-0259)		
26 56 23 00-0261 EA 70' Range, 180 Degree Detection Zone, 8 Amp Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000)	68.77	17.57
26 56 23 00-0262 EA 70' Range, 200 Degree Detection Zone, 10 Amp Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000)	74.87	17.57
26 56 23 00-0263 EA 30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	301.26 10.54	17.57
26 56 26 Landscape Lighting (26 56)		
26 56 26 00-0001 Bollards (26 56 26) Note: Excludes concrete base.		
26 56 26 00-0002 Aluminum Architectural Bollards (26 56 26 00-0001)		
26 56 26 00-0003 High Pressure Sodium, Aluminum Architectural Bollards (26 56 26 00-0002)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 26 00-0074 EA 42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	760.50	70.15
26 56 26 00-0075 EA 24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	805.43	59.63
26 56 26 00-0076 EA 30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	812.44	63.13
26 56 26 00-0077 EA 36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	819.45	66.64
26 56 26 00-0078 EA 42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	760.50	70.15
26 56 26 00-0079 Round, Compact Fluorescent, Aluminum Architectural Bollards (26 56 26 00-0065)		
26 56 26 00-0080 EA 24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	775.24	59.63
26 56 26 00-0081 EA 30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	782.25	63.13
26 56 26 00-0082 EA 36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	789.26	66.64
26 56 26 00-0083 EA 42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	730.89	70.15
26 56 26 00-0084 EA 24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	775.24	59.63
26 56 26 00-0085 EA 30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	782.25	63.13
26 56 26 00-0086 EA 36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	789.26	66.64
26 56 26 00-0087 EA 42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	730.89	70.15
26 56 26 00-0088 EA 24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	775.24	59.63
26 56 26 00-0089 EA 30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	782.25	63.13
26 56 26 00-0090 EA 36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	789.26	66.64
26 56 26 00-0091 EA 42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	730.89	70.15
26 56 26 00-0092 LED, Aluminum Architectural Bollards (26 56 26 00-0002)		
26 56 26 00-0093 Square, LED, Aluminum Architectural Bollards (26 56 26 00-0092)		
26 56 26 00-0094 EA 24" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	962.17	59.63
26 56 26 00-0095 EA 30" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	969.18	63.13
26 56 26 00-0096 EA 36" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	976.19	66.64
26 56 26 00-0097 EA 42" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	918.08	70.15
26 56 26 00-0098 EA 24" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,172.32	59.63
26 56 26 00-0099 EA 30" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,179.33	63.13
26 56 26 00-0100 EA 36" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,186.34	66.64
26 56 26 00-0101 EA 42" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,127.18	70.15
26 56 26 00-0102 Round, LED, Aluminum Architectural Bollards (26 56 26 00-0092)		
26 56 26 00-0103 EA 24" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	930.82	59.63
26 56 26 00-0104 EA 30" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	937.83	63.13
26 56 26 00-0105 EA 36" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	944.84	66.64
26 56 26 00-0106 EA 42" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	885.68	70.15
26 56 26 00-0107 EA 24" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,140.97	59.63
26 56 26 00-0108 EA 30" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,147.98	63.13
26 56 26 00-0109 EA 36" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,154.99	66.64
26 56 26 00-0110 EA 42" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,096.21	70.15
26 56 26 00-0111 Reinforced Concrete Bollards (26 56 26 00-0001)		
26 56 26 00-0112 EA 48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard.....	823.88	175.36
26 56 26 00-0113 EA 58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard.....	1,422.38	233.80
26 56 26 00-0114 Low Voltage (26 56 26)		
26 56 26 00-0115 EA Low Voltage Recessed Uplight.....	578.23	127.67
26 56 26 00-0116 EA Low Voltage Walkway.....	431.42	70.15
26 56 26 00-0117 EA Low Voltage Malibu - 5 Light Set.....	399.03	93.65
26 56 26 00-0118 EA Low Voltage Mushroom 24" Pier.....	357.31	70.15
26 56 26 00-0119 Recessed, Adjustable (26 56 26)		
26 56 26 00-0120 EA 150 Watt Incandescent Recessed, Adjustable.....	716.72	112.24
26 56 26 00-0121 EA 300 Watt Incandescent Recessed, Adjustable.....	796.12	112.24
26 56 26 00-0122 Recessed, Uplight (26 56 26)		
26 56 26 00-0123 EA 50 Watt Incandescent Recessed Uplight.....	626.74	112.24
26 56 26 00-0124 EA 150 Watt Incandescent Recessed Uplight.....	642.62	112.24
26 56 26 00-0125 EA 300 Watt Incandescent Recessed Uplight.....	690.25	112.24
26 56 26 00-0126 EA 500 Watt Quartz Recessed Uplight.....	684.96	112.24
26 56 26 00-0127 EA 5 Watt LED Recessed Uplight.....	607.98	112.24
26 56 26 00-0128 EA 15 Watt LED Recessed Uplight.....	666.52	112.24
26 56 26 00-0129 Recessed Wall Light (26 56 26)		
26 56 26 00-0130 EA 100 Watt Incandescent Recessed Wall Light.....	309.67	70.15
26 56 26 00-0131 EA 100 Watt Fluorescent Recessed Wall Light.....	293.79	70.15
26 56 26 00-0132 EA 100 Watt High Intensity Discharge (HID) Recessed Wall Light.....	499.60	93.65
26 56 26 00-0133 Step Lights (26 56 26)		



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 26 00-0134 EA Incandescent Step Light	255.12	56.12
26 56 26 00-0135 EA Fluorescent Step Light	308.09	56.12
26 56 26 00-0136 EA 5 Watt LED Step Light	332.72	56.12
26 56 26 00-0137 EA 15 Watt LED Step Light	395.15	56.12
26 56 26 00-0138 Tree Lights, Surface Adjustable (26 56 26)		
26 56 26 00-0139 EA 50 Watt Incandescent Tree Lights	568.41	93.65
26 56 26 00-0140 EA 100 Watt Incandescent Tree Lights	584.29	93.65
26 56 26 00-0141 EA 150 Watt Incandescent Tree Lights	704.04	140.29
26 56 26 00-0142 Underwater Lights (26 56 26)		
26 56 26 00-0143 EA 150 Watt, 120 Volt Underwater Lights	500.88	46.64
26 56 26 00-0144 EA 300 Watt, 120 Volt Underwater Lights	564.40	46.64
26 56 26 00-0145 EA 1,000 Watt, 120 Volt Underwater Lights	1,437.13	70.15
26 56 26 00-0146 EA 50 Watt, 12 Volt Underwater Lights	527.34	46.64
26 56 26 00-0147 EA 300 Watt, 12 Volt Underwater Lights	601.45	46.64
26 56 26 00-0148 EA Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent	1,559.87	105.22
26 56 33 Walkway Lighting (26 56)		
26 56 33 00-0001 Incandescent Walkway (26 56 33)		
26 56 33 00-0002 EA Post Top 300 Watt Incandescent Walkway Fixture	321.19	65.23
26 56 33 00-0003 Metal Halide Walkway (26 56 33)		
26 56 33 00-0004 EA Post Top 100 Watt Metal Halide Walkway Fixture	491.75	102.55
26 56 33 00-0005 EA Post Top 150-175 Watt Metal Halide Walkway Fixture	524.15	106.27
26 56 33 00-0006 EA Post Top 250 Watt Metal Halide Walkway Fixture	571.53	110.34
26 56 33 00-0007 EA Post Top 400 Watt Metal Halide Walkway Fixture	610.33	119.25
26 56 33 00-0008 EA Round Luminaries 100 Watt Metal Halide Walkway Fixture	538.11	110.34
26 56 33 00-0009 EA Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	556.05	102.55
26 56 33 00-0010 EA Round Luminaries 250 Watt Metal Halide Walkway Fixture	564.28	106.27
26 56 33 00-0011 EA Spherical 100 Watt Metal Halide Walkway Fixture	463.67	73.09
26 56 33 00-0012 EA Spherical 150-175 Watt Metal Halide Walkway Fixture	497.10	73.09
26 56 33 00-0013 EA Spherical 250 Watt Metal Halide Walkway Fixture	530.52	73.09
26 56 33 00-0014 EA Spherical 400 Watt Metal Halide Walkway Fixture	599.19	82.28
26 56 33 00-0015 EA Low Walkway 100 Watt Metal Halide Walkway Fixture	448.89	65.65
26 56 33 00-0016 High Pressure Sodium Walkway (26 56 33)		
26 56 33 00-0017 EA Post Top 100 Watt High Pressure Sodium Walkway Fixture	429.05	102.55
26 56 33 00-0018 EA Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	455.99	106.27
26 56 33 00-0019 EA Post Top 250 Watt High Pressure Sodium Walkway Fixture	494.76	110.34
26 56 33 00-0020 EA Post Top 400 Watt High Pressure Sodium Walkway Fixture	529.01	119.25
26 56 33 00-0021 EA Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture	468.65	110.34
26 56 33 00-0022 EA Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	479.28	102.55
26 56 33 00-0023 EA Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture	487.34	106.27
26 56 33 00-0024 EA Spherical 100 Watt High Pressure Sodium Walkway Fixture	394.21	73.09
26 56 33 00-0025 EA Spherical 175 150-Watt High Pressure Sodium Walkway Fixture	420.33	73.09
26 56 33 00-0026 EA Spherical 250 Watt High Pressure Sodium Walkway Fixture	446.44	73.09
26 56 33 00-0027 EA Spherical 400 Watt High Pressure Sodium Walkway Fixture	504.14	82.28
26 56 33 00-0028 EA Low Walkway 100 Watt High Pressure Sodium Walkway Fixture	379.43	65.65
26 56 33 00-0029 Walkway, Adjustable (26 56 33)		
26 56 33 00-0030 EA 2' Fluorescent Adjustable Walkway Fixture	467.65	93.65
26 56 33 00-0031 EA 4' Fluorescent Adjustable Walkway Fixture	484.14	93.65
26 56 33 00-0032 EA 8' Fluorescent Adjustable Walkway Fixture	863.26	140.29
26 56 33 00-0033 EA 50 Watt Incandescent Adjustable Walkway Fixture	404.14	70.15
26 56 33 00-0034 EA 150 Watt Incandescent Adjustable Walkway Fixture	426.13	70.15
26 56 33 00-0035 LED Walkway (26 56 33)		
26 56 33 00-0036 LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) (26 56 33 00-0035)		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 33 00-0037 EA 13" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	553.88	53.86
<i>For Multi-Level Drive Currents, Add 147.00</i>		
26 56 33 00-0038 EA 18" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	571.73	53.86
<i>For Multi-Level Drive Currents, Add 147.00</i>		
26 56 33 00-0039 EA 36" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	603.23	53.86
<i>For Multi-Level Drive Currents, Add 147.00</i>		
26 56 33 00-0040 EA 42" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	627.38	53.86
<i>For Multi-Level Drive Currents, Add 147.00</i>		
26 56 33 00-0041 EA 96" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	721.28	69.26
<i>For Multi-Level Drive Currents, Add 147.00</i>		

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 36 Flood Lighting (26 56)

26 56 36 00-0001	General Electric Powerflood® Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0002	MPF (Small Size) Series GE Flood Lights <small>(26 56 36 00-0001)</small> Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 56 36 00-0003	High Pressure Sodium MPF Series GE Flood Lights <small>(26 56 36 00-0002)</small>		
26 56 36 00-0004	EA 70 Watt High Pressure Sodium MPF Series GE Flood Light	206.46	59.90
26 56 36 00-0005	EA 100 Watt High Pressure Sodium MPF Series GE Flood Light	208.19	59.90
26 56 36 00-0006	EA 150 Watt High Pressure Sodium MPF Series GE Flood Light	211.08	59.90
26 56 36 00-0007	Metal Halide MPF Series GE Flood Lights <small>(26 56 36 00-0002)</small>		
26 56 36 00-0008	EA 70 Watt Metal Halide MPF Series GE Flood Light	275.20	59.90
26 56 36 00-0009	P-154 (Small Size) Series GE Flood Lights <small>(26 56 36 00-0001)</small> Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0010	High Pressure Sodium P-154 Series GE Flood Lights <small>(26 56 36 00-0009)</small>		
26 56 36 00-0011	EA 70 Watt High Pressure Sodium P-154 Series GE Flood Light	408.72	79.86
26 56 36 00-0012	EA 100 Watt High Pressure Sodium P-154 Series GE Flood Light	411.03	79.86
26 56 36 00-0013	EA 150 Watt High Pressure Sodium P-154 Series GE Flood Light	415.07	79.86
26 56 36 00-0014	EA 250 Watt High Pressure Sodium P-154 Series GE Flood Light	460.71	79.86
26 56 36 00-0015	EA 400 Watt High Pressure Sodium P-154 Series GE Flood Light	474.00	79.86
26 56 36 00-0016	Metal Halide P-154 Series GE Flood Lights <small>(26 56 36 00-0009)</small>		
26 56 36 00-0017	EA 175 Watt Metal Halide P-154 Series GE Flood Light	404.67	79.86
26 56 36 00-0018	EA 250 Watt Metal Halide P-154 Series GE Flood Light	424.89	79.86
26 56 36 00-0019	EA 400 Watt Metal Halide P-154 Series GE Flood Light	435.29	79.86
26 56 36 00-0020	PF-154 (Medium Size) Series GE Flood Lights <small>(26 56 36 00-0001)</small> Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0021	High Pressure Sodium PF-154 Series GE Flood Lights <small>(26 56 36 00-0020)</small>		
26 56 36 00-0022	EA 70 Watt High Pressure Sodium PF-154 Series GE Flood Light	418.87	89.85
26 56 36 00-0023	EA 100 Watt High Pressure Sodium PF-154 Series GE Flood Light	421.76	89.85
26 56 36 00-0024	EA 150 Watt High Pressure Sodium PF-154 Series GE Flood Light	426.38	89.85
26 56 36 00-0025	EA 250 Watt High Pressure Sodium PF-154 Series GE Flood Light	471.44	89.85
26 56 36 00-0026	EA 400 Watt High Pressure Sodium PF-154 Series GE Flood Light	484.15	89.85
26 56 36 00-0027	Metal Halide PF-154 GE Flood Lights <small>(26 56 36 00-0020)</small>		
26 56 36 00-0028	EA 175 Watt Metal Halide PF-154 Series GE Flood Light	415.40	89.85
26 56 36 00-0029	EA 250 Watt Metal Halide PF-154 Series GE Flood Light	435.04	89.85
26 56 36 00-0030	EA 400 Watt Metal Halide PF-154 Series GE Flood Light	445.44	89.85
26 56 36 00-0031	PF-400 (Medium Size) Series GE Flood Lights <small>(26 56 36 00-0001)</small> Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0032	High Pressure Sodium PF-400 Series GE Flood Lights <small>(26 56 36 00-0031)</small>		
26 56 36 00-0033	EA 150 Watt High Pressure Sodium PF-400 Series GE Flood Light	555.20	89.85
26 56 36 00-0034	EA 200 Watt High Pressure Sodium PF-400 Series GE Flood Light	595.64	89.85
26 56 36 00-0035	EA 250 Watt High Pressure Sodium PF-400 Series GE Flood Light	592.76	89.85
26 56 36 00-0036	EA 400 Watt High Pressure Sodium PF-400 Series GE Flood Light	607.20	89.85
26 56 36 00-0037	Metal Halide PF-400 GE Flood Lights <small>(26 56 36 00-0031)</small>		
26 56 36 00-0038	EA 175 Watt Metal Halide PF-400 Series GE Flood Light	570.23	89.85
26 56 36 00-0039	EA 250 Watt Metal Halide PF-400 Series GE Flood Light	582.36	89.85
26 56 36 00-0040	EA 400 Watt Metal Halide PF-400 Series GE Flood Light	595.07	89.85
26 56 36 00-0041	PF-1000 (Large Size) Series GE Flood Lights <small>(26 56 36 00-0001)</small> Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0042	High Pressure Sodium PF-1000 Series GE Flood Lights <small>(26 56 36 00-0041)</small>		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0043 EA 750 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	747.90	99.83
26 56 36 00-0044 EA 1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	747.90	99.83
26 56 36 00-0045 Metal Halide PF-1000 Series GE Flood Lights (26 56 36 00-0041)		
26 56 36 00-0046 EA 1,000 Watt Metal Halide PF-1000 Series GE Flood Light.....	714.39	99.83
26 56 36 00-0047 HLU/VLU (Medium Size) FRP Series GE Flood Lights (26 56 36 00-0001) Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0048 High Pressure Sodium HLU/VLU FRP Series GE Flood Lights (26 56 36 00-0047)		
26 56 36 00-0049 EA 250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	610.66	89.85
26 56 36 00-0050 EA 400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	621.64	89.85
26 56 36 00-0051 Metal Halide HLU/VLU Series GE Flood Lights (26 56 36 00-0047)		
26 56 36 00-0052 EA 400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	617.02	89.85
26 56 36 00-0053 Accessories For Powerflood GE Flood Lights (26 56 36 00-0001)		
26 56 36 00-0054 EA Wireguard For Powerflood GE Flood Light	106.38	19.96
26 56 36 00-0055 EA Polycarbonate Vandal Shield For Powerflood GE Flood Light.....	63.63	19.96
26 56 36 00-0056 EA Top Visor For Powerflood Flood Light	90.20	19.96
26 56 36 00-0057 EA Top And Two Side Visors For Powerflood GE Flood Light	69.98	19.96
26 56 36 00-0058 EA Pipe Wall Mounting Bracket For Powerflood GE Flood Light.....	178.73	59.90
26 56 36 00-0059 EA Multiple Mounting Channel For Powerflood GE Flood Light	76.34	19.96
26 56 36 00-0060 EA Wall Or Flat Surface Bracket For Powerflood GE Flood Light	135.40	59.90
26 56 36 00-0061 EA Steel Angle Bracket For Powerflood GE Flood Light	140.60	59.90
26 56 36 00-0062 EA Cross Arm Adaptor For Powerflood GE Flood Light	58.43	19.96
26 56 36 00-0063 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	56.69	19.96
26 56 36 00-0064 Lithonia Contour Series Flood Lights (26 56 36)		
26 56 36 00-0065 TFM (Small Size) Series Lithonia Flood Lights (26 56 36 00-0064) Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 56 36 00-0066 High Pressure Sodium TFM Series Lithonia Flood Lights (26 56 36 00-0065)		
26 56 36 00-0067 EA 70 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	377.96	79.86
26 56 36 00-0068 EA 100 Watt High Pressure Sodium TFM Series Lithonia Flood Light	411.32	79.86
26 56 36 00-0069 EA 150 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	443.98	79.86
26 56 36 00-0070 Metal Halide TFM Series Lithonia Flood Lights (26 56 36 00-0065)		
26 56 36 00-0071 EA 50 Watt Metal Halide TFM Series Lithonia Flood Light.....	484.74	79.86
26 56 36 00-0072 EA 70 Watt Metal Halide TFM Series Lithonia Flood Light.....	476.71	79.86
26 56 36 00-0073 EA 100 Watt Metal Halide TFM Series Lithonia Flood Light.....	463.77	79.86
26 56 36 00-0074 EA 175 Watt Metal Halide TFM Series Lithonia Flood Light.....	462.81	79.86
26 56 36 00-0075 Compact Fluorescent TFM Series Lithonia Flood Lights (26 56 36 00-0065)		
26 56 36 00-0076 EA 42 Watt Compact Fluorescent TFM Series Lithonia Flood Light.....	481.42	79.86
26 56 36 00-0077 TFL (Medium Size) Series Lithonia Flood Lights (26 56 36 00-0064) Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0078 High Pressure Sodium TFL Series Lithonia Flood Lights (26 56 36 00-0077)		
26 56 36 00-0079 EA 250 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	571.75	89.85
26 56 36 00-0080 EA 400 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	582.88	89.85
26 56 36 00-0081 Metal Halide TFL Series Lithonia Flood Lights (26 56 36 00-0077)		
26 56 36 00-0082 EA 175 Watt Metal Halide TFL Series Lithonia Flood Light.....	546.75	89.85
26 56 36 00-0083 EA 250 Watt Metal Halide TFL Series Lithonia Flood Light.....	546.75	89.85
26 56 36 00-0084 EA 400 Watt Metal Halide TFL Series Lithonia Flood Light.....	564.19	89.85
26 56 36 00-0085 TFR (Low Profile) Series Lithonia Flood Lights (26 56 36 00-0064) Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0086 High Pressure Sodium TFR Lithonia Flood Lights (26 56 36 00-0085)		
26 56 36 00-0087 EA 150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light.....	546.23	79.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0088 EA 250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	562.88	79.86
26 56 36 00-0089 EA 400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	576.79	79.86
26 56 36 00-0090 Metal Halide TFR Lithonia Flood Lights (26 56 36 00-0085)		
26 56 36 00-0091 EA 250 Watt Metal Halide TFR Series Lithonia Flood Light	540.67	79.86
26 56 36 00-0092 EA 400 Watt Metal Halide TFR Series Lithonia Flood Light	557.34	79.86
26 56 36 00-0093 TFA (Large Size) Series Lithonia Flood Lights (26 56 36 00-0064)		
Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0094 High Pressure Sodium TFA Series Lithonia Flood Lights (26 56 36 00-0093)		
26 56 36 00-0095 EA 1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light.....	1,047.58	99.83
26 56 36 00-0096 Metal Halide TFA Series Lithonia Flood Lights (26 56 36 00-0093)		
26 56 36 00-0097 EA 400 Watt Metal Halide TFA Series Lithonia Flood Light.....	811.27	99.83
26 56 36 00-0098 EA 1,000 Watt Metal Halide TFA Series Lithonia Flood Light.....	894.67	99.83
26 56 36 00-0099 Accessories For Contour Series Lithonia Flood Lights (26 56 36 00-0064)		
26 56 36 00-0100 EA Wireguard For Contour Series Lithonia Flood Light	92.36	19.96
26 56 36 00-0101 EA Vandal Guard For Contour Series Lithonia Flood Light	174.22	19.96
26 56 36 00-0102 EA Upper Visor For Contour Series Lithonia Flood Light.....	76.91	19.96
26 56 36 00-0103 EA Full Visor For Contour Series Lithonia Flood Light.....	101.93	19.96
26 56 36 00-0104 EA Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light.....	230.98	59.90
26 56 36 00-0105 EA Radius Wall Bracket For Contour Series Lithonia Flood Light	186.72	59.90
26 56 36 00-0106 EA Steel Angle Bracket For Contour Series Lithonia Flood Light	186.72	59.90
26 56 36 00-0107 EA U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe	204.38	59.90
26 56 36 00-0108 EA Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light	88.56	19.96
26 56 36 00-0109 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light	71.60	19.96
26 56 36 00-0110 Ruud Flood Lights (26 56 36)		
26 56 36 00-0111 NS (Micro) Series Ruud Flood Lights (26 56 36 00-0110)		
Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 56 36 00-0112 High Pressure Sodium NS Series Ruud Flood Lights (26 56 36 00-0111)		
26 56 36 00-0113 EA 35 Watt High Pressure Sodium NS Series Ruud Flood Light	250.36	59.90
26 56 36 00-0114 EA 50 Watt High Pressure Sodium NS Series Ruud Flood Light	250.36	59.90
26 56 36 00-0115 EA 70 Watt High Pressure Sodium NS Series Ruud Flood Light	250.36	59.90
26 56 36 00-0116 EA 100 Watt High Pressure Sodium NS Series Ruud Flood Light	250.36	59.90
26 56 36 00-0117 EA 150 Watt High Pressure Sodium NS Series Ruud Flood Light	250.36	59.90
26 56 36 00-0118 Metal Halide NS Series Ruud Flood Lights (26 56 36 00-0111)		
26 56 36 00-0119 EA 50 Watt Metal Halide NS Series Ruud Flood Light	282.71	59.90
26 56 36 00-0120 EA 70 Watt Metal Halide NS Series Ruud Flood Light	282.71	59.90
26 56 36 00-0121 EA 100 Watt Metal Halide NS Series Ruud Flood Light	282.71	59.90
26 56 36 00-0122 Compact Fluorescent NS Series Ruud Flood Lights (26 56 36 00-0111)		
26 56 36 00-0123 EA 13 Watt Compact Fluorescent NS Series Ruud Flood Light	216.85	59.90
26 56 36 00-0124 EA 26 Watt Compact Fluorescent NS Series Ruud Flood Light	224.94	59.90
26 56 36 00-0125 EA 32 Watt Compact Fluorescent NS Series Ruud Flood Light	227.25	59.90
26 56 36 00-0126 EA 42 Watt Compact Fluorescent NS Series Ruud Flood Light	229.56	59.90
26 56 36 00-0127 NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights (26 56 36 00-0110)		
Note: The NSF is suited for large open areas and facade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 56 36 00-0128 High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights (26 56 36 00-0127)		
26 56 36 00-0129 EA 150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	385.36	89.85
26 56 36 00-0130 EA 250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	406.16	89.85
26 56 36 00-0131 EA 400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	417.71	89.85
26 56 36 00-0132 Metal Halide NSF/NSW/NSC Series Ruud Flood Lights (26 56 36 00-0127)		
26 56 36 00-0133 EA 175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	380.74	89.85
26 56 36 00-0134 EA 250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	383.05	89.85
26 56 36 00-0135 EA 400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	389.98	89.85
26 56 36 00-0136 Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights (26 56 36 00-0127)		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0137 EA 70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light.....	372.65	89.85
26 56 36 00-0138 FS (Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>		
Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 56 36 00-0139 High Pressure Sodium FS Series Ruud Flood Lights <small>(26 56 36 00-0138)</small>		
26 56 36 00-0140 EA 250 Watt High Pressure Sodium FS Series Ruud Flood Light.....	446.60	89.85
26 56 36 00-0141 EA 400 Watt High Pressure Sodium FS Series Ruud Flood Light.....	448.91	89.85
26 56 36 00-0142 EA 1,000 Watt High Pressure Sodium FS Series Ruud Flood Light.....	748.48	99.83
26 56 36 00-0143 Metal Halide FS Series Ruud Flood Lights <small>(26 56 36 00-0138)</small>		
26 56 36 00-0144 EA 175 Watt Metal Halide FS Series Ruud Flood Light.....	446.60	89.85
26 56 36 00-0145 EA 250 Watt Metal Halide FS Series Ruud Flood Light.....	448.91	89.85
26 56 36 00-0146 EA 400 Watt Metal Halide FS Series Ruud Flood Light.....	455.84	89.85
26 56 36 00-0147 EA 1,000 Watt Metal Halide FS Series Ruud Flood Light.....	672.22	99.83
26 56 36 00-0148 MFS (Mini Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>		
Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 56 36 00-0149 High Pressure Sodium MFS Series Ruud Flood Lights <small>(26 56 36 00-0148)</small>		
26 56 36 00-0150 EA 35 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	352.68	79.86
26 56 36 00-0151 EA 50 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	376.95	79.86
26 56 36 00-0152 EA 70 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	376.95	79.86
26 56 36 00-0153 EA 100 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	376.95	79.86
26 56 36 00-0154 EA 150 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	376.95	79.86
26 56 36 00-0155 Metal Halide MFS Series Ruud Flood Lights <small>(26 56 36 00-0148)</small>		
26 56 36 00-0156 EA 50 Watt Metal Halide MFS Series Ruud Flood Light.....	385.03	79.86
26 56 36 00-0157 EA 70 Watt Metal Halide MFS Series Ruud Flood Light.....	385.03	79.86
26 56 36 00-0158 EA 100 Watt Metal Halide MFS Series Ruud Flood Light.....	385.03	79.86
26 56 36 00-0159 EA 175 Watt Metal Halide MFS Series Ruud Flood Light.....	372.32	79.86
26 56 36 00-0160 MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>		
Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 56 36 00-0161 High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights <small>(26 56 36 00-0160)</small>		
26 56 36 00-0162 EA 35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	381.57	79.86
26 56 36 00-0163 EA 50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	405.83	79.86
26 56 36 00-0164 EA 70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	405.83	79.86
26 56 36 00-0165 EA 100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	405.83	79.86
26 56 36 00-0166 EA 150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	405.83	79.86
26 56 36 00-0167 Metal Halide MCF/MPM/MPN Series Ruud Flood Lights <small>(26 56 36 00-0160)</small>		
26 56 36 00-0168 EA 50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	413.92	79.86
26 56 36 00-0169 EA 70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	413.92	79.86
26 56 36 00-0170 EA 100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	413.92	79.86
26 56 36 00-0171 EA 175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	401.21	79.86
26 56 36 00-0172 CF (Cutoff Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>		
Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 56 36 00-0173 High Pressure Sodium CF Series Ruud Flood Lights <small>(26 56 36 00-0172)</small>		
26 56 36 00-0174 EA 250 Watt High Pressure Sodium CF Series Ruud Flood Light.....	500.90	89.85
26 56 36 00-0175 EA 400 Watt High Pressure Sodium CF Series Ruud Flood Light.....	512.46	89.85
26 56 36 00-0176 EA 1,000 Watt High Pressure Sodium CF Series Ruud Flood Light.....	777.36	99.83
26 56 36 00-0177 Metal Halide CF Series Ruud Flood Lights <small>(26 56 36 00-0172)</small>		
26 56 36 00-0178 EA 175 Watt Metal Halide CF Series Ruud Flood Light.....	475.48	89.85
26 56 36 00-0179 EA 250 Watt Metal Halide CF Series Ruud Flood Light.....	477.79	89.85
26 56 36 00-0180 EA 400 Watt Metal Halide CF Series Ruud Flood Light.....	484.73	89.85
26 56 36 00-0181 EA 1,000 Watt Metal Halide CF Series Ruud Flood Light.....	701.10	99.83
26 56 36 00-0182 CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>		
Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 56 36 00-0183 High Pressure Sodium CN Series Ruud Flood Lights <small>(26 56 36 00-0182)</small>		
26 56 36 00-0184 EA 400 High Pressure Sodium CN Series Ruud Flood Light.....	643.33	99.83
26 56 36 00-0185 EA 1,000 High Pressure Sodium CN Series Ruud Flood Light.....	763.50	99.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0186 Metal Halide CN Series Ruud Flood Lights <small>(26 56 36 00-0182)</small>		
26 56 36 00-0187 EA 400 Watt Metal Halide CN Series Ruud Flood Light	615.60	99.83
26 56 36 00-0188 EA 1,000 Watt Metal Halide CN Series Ruud Flood Light	687.24	99.83
26 56 36 00-0189 PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small> Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 56 36 00-0190 High Pressure Sodium PM/PN Series Ruud Flood Lights <small>(26 56 36 00-0189)</small>		
26 56 36 00-0191 EA 250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	517.08	89.85
26 56 36 00-0192 EA 400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	528.63	89.85
26 56 36 00-0193 Metal Halide PM/PN Series Ruud Flood Lights <small>(26 56 36 00-0189)</small>		
26 56 36 00-0194 EA 175 Watt Metal Halide PM/PN Series Ruud Flood Light	491.66	89.85
26 56 36 00-0195 EA 250 Watt Metal Halide PM/PN Series Ruud Flood Light	493.97	89.85
26 56 36 00-0196 EA 400 Watt Metal Halide PM/PN Series Ruud Flood Light	500.90	89.85
26 56 36 00-0197 EA 1,000 Watt Metal Halide PM/PN Series Ruud Flood Light	717.28	99.83
26 56 36 00-0198 Accessories For Ruud Flood Lighting <small>(26 56 36 00-0110)</small>		
26 56 36 00-0199 EA Wireguard For Ruud Flood Light	57.27	19.96
26 56 36 00-0200 EA Deep Baffle (Full Visor) For Ruud Flood Light	88.47	19.96
26 56 36 00-0201 EA Glare Guard (Upper Visor) For Ruud Flood Light	65.36	19.96
26 56 36 00-0202 EA Vandal Shield For Ruud Flood Light	76.91	19.96
26 56 36 00-0203 EA Pipe Mounting Bracket For Ruud Flood Light	159.08	59.90
26 56 36 00-0204 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light	50.34	19.96
26 56 36 00-0205 Lumark Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0206 QZ Wedge Series Quartz Lumark Flood Lights <small>(26 56 36 00-0205)</small> Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 56 36 00-0207 EA 500 Watt QZ Wedge Series Quartz Lumark Flood Light	143.43	59.90
26 56 36 00-0208 LQL Series Quartz Lumark Flood Lights <small>(26 56 36 00-0205)</small> Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 56 36 00-0209 EA 1,500 Watt LQL Series Quartz Lumark Flood Light	177.51	59.90
26 56 36 00-0210 Kim Lighting <small>(26 56 36)</small>		
26 56 36 00-0211 MicroFlood® Series Kim Lighting Flood Lights <small>(26 56 36 00-0210)</small> Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 56 36 00-0212 LED MicroFlood® Series Kim Lighting Flood Lights <small>(26 56 36 00-0211)</small>		
26 56 36 00-0213 EA 5 Watt LED MicroFlood® Series Kim Lighting Flood Light	276.64	24.60
26 56 36 00-0214 EA 15 Watt LED MicroFlood® Series Kim Lighting Flood Light	340.75	24.60
26 56 36 00-0215 Scarab® Series Kim Lighting Flood Lights <small>(26 56 36 00-0210)</small> Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 56 36 00-0216 LED Scarab® Series Kim Lighting Accent Flood Lights <small>(26 56 36 00-0215)</small> Note: Spot or narrow style accent flood lights.		
26 56 36 00-0217 EA 6 Watt LED Scarab® Series Kim Lighting Accent Flood Light	419.60	24.60
26 56 36 00-0218 CREE® BetaLED® Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0219 Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304) <small>(26 56 36 00-0218)</small> Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0220 EA 40 LEDs, 47 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	718.51	71.56
26 56 36 00-0221 EA 60 LEDs, 68 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	787.36	75.54
26 56 36 00-0222 Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG) <small>(26 56 36 00-0218)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0223 EA 20 LEDs, 26 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	623.41	67.59
For 347-480 Volt, Add	53.89	
26 56 36 00-0224 EA 40 LEDs, 47 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	785.71	71.56
For 347-480 Volt, Add	53.89	



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0225	EA		60 LEDs, 68 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	948.01	75.54
			<i>For 347-480 Volt, Add</i>	53.89	
26 56 36 00-0226	EA		80 LEDs, 90 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,172.26	79.51
			<i>For 347-480 Volt, Add</i>	53.89	
26 56 36 00-0227	EA		100 LEDs, 111 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,334.56	83.49
			<i>For 347-480 Volt, Add</i>	53.89	
26 56 36 00-0228	EA		120 LEDs, 132 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,496.87	87.46
			<i>For 347-480 Volt, Add</i>	53.89	
26 56 36 00-0229	EA		140 LEDs, 157 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,708.52	91.44
			<i>For 347-480 Volt, Add</i>	53.89	
26 56 36 00-0230	EA		160 LEDs, 179 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,870.82	95.41
			<i>For 347-480 Volt, Add</i>	53.89	
26 56 36 00-0231			Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) <small>(26 56 36 00-0218)</small>		
			Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0232	EA		120 LEDs, 267 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	1,434.92	87.46
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Bird Spikes, Add</i>	28.26	
			<i>For 5,000K Color Temperature, Add</i>	30.96	
			<i>For Fuse, Add</i>	37.15	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
			<i>For 480 Volt, Add</i>	55.73	
			<i>For Multi-Level, Add</i>	80.49	
			<i>For 1,000mA Driver, Add</i>	104.02	
26 56 36 00-0233	EA		240 LEDs, 533 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	2,436.91	107.34
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For 5,000K Color Temperature, Add</i>	30.96	
			<i>For Fuse, Add</i>	37.15	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
			<i>For Bird Spikes, Add</i>	41.95	
			<i>For Multi-Level, Add</i>	80.49	
			<i>For 1,000mA Driver, Add</i>	104.02	
			<i>For 480 Volt, Add</i>	111.45	
26 56 36 00-0234			Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) <small>(26 56 36 00-0218)</small>		
			Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0235	EA		112 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL) (DLC Certified).....	838.08	87.46
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	21.75	
			<i>For Rotated Optics, Back Light Shield, Add</i>	21.75	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Fuse, Add</i>	37.15	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
			<i>For Multi-Level, Add</i>	80.49	
26 56 36 00-0236	EA		168 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL) (DLC Certified)	896.60	87.46
			Note: Type III, IV or V medium optics only.		
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	21.75	
			<i>For Rotated Optics, Back Light Shield, Add</i>	21.75	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Fuse, Add</i>	37.15	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
			<i>For Type II Medium Or Type V Short Optics, Add</i>	74.37	
			<i>For Multi-Level, Add</i>	80.49	
26 56 36 00-0237	EA		223 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL) (DLC Certified).....	1,150.90	107.34
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	26.33	
			<i>For Rotated Optics, Back Light Shield, Add</i>	26.33	
			<i>For Fuse, Add</i>	37.15	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
			<i>For Multi-Level, Add</i>	80.49	
26 56 36 00-0238			PlanLED Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0239			Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) <small>(26 56 36 00-0238)</small>		

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0240	EA		6,250 Lumens, 50 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050)	347.86	71.56
26 56 36 00-0241	EA		9,375 Lumens, 75 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075)	413.56	75.54
26 56 36 00-0242	EA		12,500 Lumens, 100 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100).....	475.89	81.50
26 56 36 00-0243			Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) <small>(26 56 36 00-0238)</small>		
26 56 36 00-0244	EA		21,000 Lumens, 200 System Watts, LED Sports Flood Light (PlanLED SUFA SF200).....	963.79	159.01
			<i>For 0 To 10 Volt Dimming, Add</i>	49.73	
26 56 36 00-0245	EA		42,000 Lumens, 400 System Watts, LED Sports Flood Light (PlanLED SUFA SF400).....	1,473.04	159.01
			<i>For 0 To 10 Volt Dimming, Add</i>	49.73	
26 56 36 00-0246	EA		84,000 Lumens, 800 System Watts, LED Sports Flood Light (PlanLED SUFA SF800).....	2,569.24	159.01
			<i>For 0 To 10 Volt Dimming, Add</i>	49.73	
26 56 36 00-0247			Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) <small>(26 56 36 00-0238)</small>		
26 56 36 00-0248	EA		26,000 Lumens, 200 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200).....	844.07	103.36
			<i>For 0 To 10 Volt Dimming, Add</i>	49.73	
			<i>For 347-480 Volt, Add</i>	-10.35	
26 56 36 00-0249	EA		39,000 Lumens, 300 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300).....	1,074.63	107.34
			<i>For 0 To 10 Volt Dimming, Add</i>	49.73	
			<i>For 347-480 Volt, Add</i>	65.27	
26 56 36 00-0250	EA		52,000 Lumens, 400 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400).....	1,365.03	111.31
			<i>For 0 To 10 Volt Dimming, Add</i>	49.73	
			<i>For 347-480 Volt, Add</i>	57.86	
26 56 39			Hazardous Location Flood Lights <small>(26 56)</small>		
			Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.		
26 56 39 00-0001			Lithonia Hazardous Location Flood Lights <small>(26 56 39)</small>		
26 56 39 00-0002			HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small>		
			Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 56 39 00-0003			High Pressure Sodium HFR Series Hazardous Location Flood Lights <small>(26 56 39 00-0002)</small>		
26 56 39 00-0004	EA		150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	541.37	79.86
26 56 39 00-0005	EA		250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	577.19	79.86
26 56 39 00-0006	EA		400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	542.53	79.86
26 56 39 00-0007			Metal Halide HFR Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0002)</small>		
26 56 39 00-0008	EA		250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	573.36	79.86
26 56 39 00-0009	EA		400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	556.39	79.86
26 56 39 00-0010			HFM (Medium Base) Series Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small>		
			Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 56 39 00-0011			High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0010)</small>		
26 56 39 00-0012	EA		100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	516.75	79.86
26 56 39 00-0013	EA		150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	538.12	79.86
26 56 39 00-0014			Metal Halide HFM Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0010)</small>		
26 56 39 00-0015	EA		175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	458.98	79.86
26 56 39 00-0016			HFA (Large) Series Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small>		
			Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 56 39 00-0017			High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0016)</small>		
26 56 39 00-0018	EA		250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	727.68	99.83
26 56 39 00-0019	EA		400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	738.08	99.83
26 56 39 00-0020			Metal Halide HFA Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0016)</small>		
26 56 39 00-0021	EA		250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	724.21	99.83
26 56 39 00-0022	EA		400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	738.08	99.83



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 39 00-0023 HFL (Medium) Series Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small> Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 56 39 00-0024 High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0023)</small>		
26 56 39 00-0025 EA 400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	543.65	89.85
26 56 39 00-0026 Metal Halide HFL Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small>		
26 56 39 00-0027 EA 400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	584.09	89.85
26 56 39 00-0028 Accessories For Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small> See CSI section 26 56 36 00-0099 for accessories.		
26 56 43 High Performance Flood Lights <small>(26 56)</small> Note: For airport aprons and parking areas.		
26 56 43 00-0001 Lithonia High Performance Flood Lights <small>(26 56 43)</small>		
26 56 43 00-0002 170S Series Lithonia High Performance Flood Lights <small>(26 56 43 00-0001)</small> Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 56 43 00-0003 High Pressure Sodium 170S Series Lithonia High Performance Flood Lights <small>(26 56 43 00-0002)</small>		
26 56 43 00-0004 EA 250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,243.63	119.80
26 56 43 00-0005 EA 400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,338.38	119.80
26 56 43 00-0006 EA 750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,343.00	119.80
26 56 43 00-0007 EA 1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,487.42	119.80
26 56 43 00-0008 Metal Halide 170S Series Lithonia High Performance Flood Lights <small>(26 56 43 00-0002)</small>		
26 56 43 00-0009 EA 320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,427.34	119.80
26 56 43 00-0010 EA 350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,363.27	119.80
26 56 43 00-0011 EA 400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,302.56	119.80
26 56 43 00-0012 EA 1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,362.64	119.80
26 56 43 00-0013 Accessories For Lithonia High Performance Flood Lights <small>(26 56 43 00-0002)</small> See CSI section 26 56 36 00-0099 for accessories.		

END OF SECTION 26

26	26	Electrical
	26 50	Lighting
	26 56	Exterior Lighting



MINOR		
CSI	UOM	DESCRIPTION

	TOTAL DIRECT	DEMOLITION
	UNIT COST	UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications ⁽²⁷⁾

27 05 26 Grounding and Bonding for Communications Systems ^(27 05)

27 05 26 00-0001	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00).....	544.33	71.83
		Note: Excludes terminations.		
27 05 26 00-0002	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00).....	698.62	95.80
		Note: Excludes terminations.		
27 05 26 00-0003	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00).....	1,103.28	143.66
		Note: Excludes terminations.		
27 05 26 00-0004	EA	Lucent 3B1-EW, Gas Tube Protector Unit.....	6.58	1.05
27 05 26 00-0005	EA	44 Terminal Copper Ground Bus Bar (Siemens ECGK).....	46.12	18.98
27 05 26 00-0006	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar.....	152.70	18.98
27 05 26 00-0007	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar.....	182.31	18.98
27 05 26 00-0008	EA	#6 AWG, Cable Runway Ground Strap.....	38.87	3.52
27 05 26 00-0009	EA	1/4" Screw Size, #6 AWG Compression Lug.....	14.11	3.52
27 05 26 00-0010	EA	3/8" Screw Size, #6 AWG Compression Lug.....	14.98	3.52
27 05 26 00-0011	EA	Two Mounting Hole, Ground Terminal Block.....	16.59	3.52

27 05 29 Hangers And Supports For Communications Systems ^(27 05)

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29)

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12).....	5.28	1.76
		<i>For >50 To 100, Deduct</i>	-0.22	
		<i>For >100 To 250, Deduct</i>	-0.44	
		<i>For >250 To 500, Deduct</i>	-0.84	
		<i>For >500, Deduct</i>	-1.23	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.98	
		<i>For Work In Restricted Working Space, Add</i>	1.06	
		<i>For Painted Powder Coated Finish, Add</i>	0.36	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21).....	5.55	1.76
		<i>For >50 To 100, Deduct</i>	-0.23	
		<i>For >100 To 250, Deduct</i>	-0.45	
		<i>For >250 To 500, Deduct</i>	-0.86	
		<i>For >500, Deduct</i>	-1.26	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.98	
		<i>For Work In Restricted Working Space, Add</i>	1.06	
		<i>For Painted Powder Coated Finish, Add</i>	1.25	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	4.47	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32).....	5.98	1.76
		<i>For >50 To 100, Deduct</i>	-0.24	
		<i>For >100 To 250, Deduct</i>	-0.48	
		<i>For >250 To 500, Deduct</i>	-0.89	
		<i>For >500, Deduct</i>	-1.30	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.98	
		<i>For Work In Restricted Working Space, Add</i>	1.06	
		<i>For Painted Powder Coated Finish, Add</i>	1.54	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	5.55	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64).....	9.63	1.76
		<i>For >50 To 100, Deduct</i>	-0.33	
		<i>For >100 To 250, Deduct</i>	-0.66	
		<i>For >250 To 500, Deduct</i>	-1.16	
		<i>For >500, Deduct</i>	-1.67	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.98	
		<i>For Work In Restricted Working Space, Add</i>	1.06	
		<i>For Painted Powder Coated Finish, Add</i>	0.82	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	4.92	

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 05 29 00-0008	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB).....	5.92	1.76
		<i>For >50 To 100, Deduct</i>	-0.24	
		<i>For >100 To 250, Deduct</i>	-0.47	
		<i>For >250 To 500, Deduct</i>	-0.88	
		<i>For >500, Deduct</i>	-1.30	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.98	
		<i>For Work In Restricted Working Space, Add</i>	1.06	

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers And Supports For Communications Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0009	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	7.57	1.76
			<i>For >50 To 100, Deduct</i>	-0.28	
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-1.01	
			<i>For >500, Deduct</i>	-1.46	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.98	
			<i>For Work In Restricted Working Space, Add</i>	1.06	
27 05 29 00-0010	EA		2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB)	8.37	1.76
			<i>For >50 To 100, Deduct</i>	-0.30	
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-1.07	
			<i>For >500, Deduct</i>	-1.54	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.98	
			<i>For Work In Restricted Working Space, Add</i>	1.06	
27 05 29 00-0011	EA		4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH4-RB)	11.23	1.76
			<i>For >50 To 100, Deduct</i>	-0.37	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.83	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.98	
			<i>For Work In Restricted Working Space, Add</i>	1.06	
27 05 29 00-0012			Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
			Note: Excludes strut.		
27 05 29 00-0013	EA		3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4)	6.23	1.76
			<i>For >50 To 100, Deduct</i>	-0.24	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.91	
			<i>For >500, Deduct</i>	-1.33	
			<i>For Work In Restricted Working Space, Add</i>	1.06	
27 05 29 00-0014	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4)	7.32	1.76
			<i>For >50 To 100, Deduct</i>	-0.27	
			<i>For >100 To 250, Deduct</i>	-0.54	
			<i>For >250 To 500, Deduct</i>	-0.99	
			<i>For >500, Deduct</i>	-1.44	
			<i>For Work In Restricted Working Space, Add</i>	1.06	
27 05 29 00-0015	EA		2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4)	7.89	1.76
			<i>For >50 To 100, Deduct</i>	-0.29	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500, Deduct</i>	-1.49	
			<i>For Work In Restricted Working Space, Add</i>	1.06	
27 05 29 00-0016	EA		4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4)	10.60	1.76
			<i>For >50 To 100, Deduct</i>	-0.35	
			<i>For >100 To 250, Deduct</i>	-0.71	
			<i>For >250 To 500, Deduct</i>	-1.24	
			<i>For >500, Deduct</i>	-1.76	
			<i>For Work In Restricted Working Space, Add</i>	1.06	
27 05 29 00-0017			T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
			Note: Excludes T-Bar.		
27 05 29 00-0018	EA		3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28)	7.43	1.76
			<i>For >50 To 100, Deduct</i>	-0.27	
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500, Deduct</i>	-1.45	
			<i>For Work In Restricted Working Space, Add</i>	1.06	
27 05 29 00-0019	EA		1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28)	9.28	1.76
			<i>For >50 To 100, Deduct</i>	-0.32	
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-1.14	
			<i>For >500, Deduct</i>	-1.63	
			<i>For Work In Restricted Working Space, Add</i>	1.06	
27 05 29 00-0020	EA		2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28)	9.77	1.76
			<i>For >50 To 100, Deduct</i>	-0.33	
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-1.17	
			<i>For >500, Deduct</i>	-1.68	
			<i>For Work In Restricted Working Space, Add</i>	1.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0021 Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
<small>Note: Excludes threaded rod. See CSI section 26 05 29 00-0198 for threaded rod.</small>		
27 05 29 00-0022 EA 3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6).....	6.08	1.76
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100 To 250, Deduct</i>	-0.48	
<i>For >250 To 500, Deduct</i>	-0.90	
<i>For >500, Deduct</i>	-1.31	
<i>For Work In Restricted Working Space, Add</i>	1.06	
27 05 29 00-0023 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6).....	6.33	1.76
<i>For >50 To 100, Deduct</i>	-0.25	
<i>For >100 To 250, Deduct</i>	-0.49	
<i>For >250 To 500, Deduct</i>	-0.91	
<i>For >500, Deduct</i>	-1.34	
<i>For Work In Restricted Working Space, Add</i>	1.06	
27 05 29 00-0024 EA 2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6).....	7.62	1.76
<i>For >50 To 100, Deduct</i>	-0.28	
<i>For >100 To 250, Deduct</i>	-0.56	
<i>For >250 To 500, Deduct</i>	-1.01	
<i>For >500, Deduct</i>	-1.47	
<i>For Work In Restricted Working Space, Add</i>	1.06	
27 05 29 00-0025 Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
<small>Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0198 for threaded rod, nuts and washers.</small>		
27 05 29 00-0026 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB).....	7.47	1.76
<i>For >50 To 100, Deduct</i>	-0.27	
<i>For >100 To 250, Deduct</i>	-0.55	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.45	
<i>For Work In Restricted Working Space, Add</i>	1.06	
27 05 29 00-0027 EA 2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB).....	8.07	1.76
<i>For >50 To 100, Deduct</i>	-0.29	
<i>For >100 To 250, Deduct</i>	-0.58	
<i>For >250 To 500, Deduct</i>	-1.05	
<i>For >500, Deduct</i>	-1.51	
<i>For Work In Restricted Working Space, Add</i>	1.06	
27 05 29 00-0028 EA 4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB).....	11.07	1.76
<i>For >50 To 100, Deduct</i>	-0.36	
<i>For >100 To 250, Deduct</i>	-0.73	
<i>For >250 To 500, Deduct</i>	-1.27	
<i>For >500, Deduct</i>	-1.81	
<i>For Work In Restricted Working Space, Add</i>	1.06	
27 05 29 00-0029 Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
27 05 29 00-0030 EA 3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A).....	7.39	1.76
<i>For >50 To 100, Deduct</i>	-0.27	
<i>For >100 To 250, Deduct</i>	-0.55	
<i>For >250 To 500, Deduct</i>	-0.99	
<i>For >500, Deduct</i>	-1.44	
<i>For Work In Restricted Working Space, Add</i>	1.06	
27 05 29 00-0031 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A).....	8.46	1.76
<i>For >50 To 100, Deduct</i>	-0.30	
<i>For >100 To 250, Deduct</i>	-0.60	
<i>For >250 To 500, Deduct</i>	-1.07	
<i>For >500, Deduct</i>	-1.55	
<i>For Work In Restricted Working Space, Add</i>	1.06	
27 05 29 00-0032 EA 2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A).....	9.03	1.76
<i>For >50 To 100, Deduct</i>	-0.31	
<i>For >100 To 250, Deduct</i>	-0.63	
<i>For >250 To 500, Deduct</i>	-1.12	
<i>For >500, Deduct</i>	-1.61	
<i>For Work In Restricted Working Space, Add</i>	1.06	
27 05 29 00-0033 EA 4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A).....	12.15	1.76
<i>For >50 To 100, Deduct</i>	-0.39	
<i>For >100 To 250, Deduct</i>	-0.78	
<i>For >250 To 500, Deduct</i>	-1.35	
<i>For >500, Deduct</i>	-1.92	
<i>For Work In Restricted Working Space, Add</i>	1.06	

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers And Supports For Communications Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0034			Adjustable Cable Supports (Caddy® CableCat CAT425) ^(27 05 29)		
27 05 29 00-0035	EA		Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	20.76	2.32
			<i>For >50 To 100, Deduct</i>	-0.69	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-2.43	
			<i>For >500, Deduct</i>	-3.48	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.86	
			<i>For Work In Restricted Working Space, Add</i>	2.11	
27 05 29 00-0036	EA		Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	21.16	2.32
			<i>For >50 To 100, Deduct</i>	-0.70	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-3.52	
			<i>For Work In Restricted Working Space, Add</i>	2.11	
27 05 29 00-0037	EA		Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	23.25	2.32
			<i>For >50 To 100, Deduct</i>	-0.76	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-2.62	
			<i>For >500, Deduct</i>	-3.73	
			<i>For Work In Restricted Working Space, Add</i>	2.11	
27 05 29 00-0038	EA		>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	20.69	2.32
			<i>For >50 To 100, Deduct</i>	-0.69	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-2.43	
			<i>For >500, Deduct</i>	-3.47	
			<i>For Work In Restricted Working Space, Add</i>	2.11	
27 05 29 00-0039	EA		Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	21.66	2.32
			<i>For >50 To 100, Deduct</i>	-0.72	
			<i>For >100 To 250, Deduct</i>	-1.43	
			<i>For >250 To 500, Deduct</i>	-2.50	
			<i>For >500, Deduct</i>	-3.57	
			<i>For Work In Restricted Working Space, Add</i>	2.11	
27 05 29 00-0040	EA		>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	22.62	2.32
			<i>For >50 To 100, Deduct</i>	-0.74	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-2.57	
			<i>For >500, Deduct</i>	-3.67	
			<i>For Work In Restricted Working Space, Add</i>	2.11	
27 05 29 00-0041	EA		Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	21.33	2.32
			<i>For >50 To 100, Deduct</i>	-0.71	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500, Deduct</i>	-3.54	
			<i>For Work In Restricted Working Space, Add</i>	2.11	
27 05 33			Conduits And Backboxes For Communications Systems ^(27 05)		
			See CSI section 26 05 33 00-0000 for conduit and boxes.		
27 05 36			Cable Trays For Communications Systems ^(27 05)		
			See CSI section 26 05 36 00-0000 for cable trays.		
27 05 39			Surface Raceways For Communications Systems ^(27 05)		
			See CSI section 26 05 33 00-0000 for surface raceways.		
27 05 43			Underground Ducts And Raceways For Communications Systems ^(27 05)		
			See CSI section 26 05 43 00-0000 for underground ducts and raceways.		
27 05 53			Identification For Communications Systems ^(27 05)		
			See CSI section 26 05 53 00-0000 for identification.		
27 10			Structured Cabling ⁽²⁷⁾		
			Note: Includes testing.		
27 11			Communications Equipment Room Fittings ^(27 10)		
27 11 16			Communications Cabinets, Racks, Frames, And Enclosures ^(27 11)		
27 11 16 00-0001			3/4" Fire Retardant Plywood Backboards ^(27 11 16)		
27 11 16 00-0002	EA		4' x 4' x 3/4" Fire Retardant Plywood Phone Backboard.....	53.12	18.24
			<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	26.88	
27 11 16 00-0003	EA		4' x 8' x 3/4" Fire Retardant Plywood Phone Backboard.....	106.24	36.48
			<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	53.77	
27 11 16 00-0004			Terminal Cabinets ^(27 11 16)		
27 11 16 00-0005	EA		12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	207.09	52.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0006 EA 18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	261.27	57.87
27 11 16 00-0007 EA 24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	300.63	66.64
27 11 16 00-0008 EA 18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard.....	312.01	68.39
27 11 16 00-0009 EA 24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard.....	381.03	70.15
27 11 16 00-0010 EA 26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard.....	471.41	78.91
27 11 16 00-0011 EA 24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	482.44	77.16
27 11 16 00-0012 EA 30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	620.26	109.92
27 11 16 00-0013 EA 36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	663.66	120.79
27 11 16 00-0014 EA 42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	801.05	127.60
27 11 16 00-0015 EA 30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	661.59	105.22
27 11 16 00-0016 EA 36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	715.51	113.98
27 11 16 00-0017 EA 48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	892.20	146.12
27 11 16 00-0018 EA 54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,071.64	182.66
27 11 16 00-0019 EA 48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,214.14	180.63
27 11 16 00-0020 EA 60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,395.07	219.76
27 11 16 00-0021 Equipment Racks And Cable Managers (27 11 16)		
27 11 16 00-0022 Equipment Racks (27 11 16 00-0021)		
Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.		
27 11 16 00-0023 Standard Equipment Racks (27 11 16 00-0022)		
27 11 16 00-0024 19" Width, Standard Equipment Racks (27 11 16 00-0023)		
27 11 16 00-0025 EA 84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03).....	375.36	112.24
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>		
	7.55	
27 11 16 00-0026 EA 96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15).....	536.27	119.25
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>		
	14.89	
27 11 16 00-0027 EA 108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08).....	580.39	126.26
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>		
	16.39	
27 11 16 00-0028 Universal Equipment Racks (27 11 16 00-0028)		
27 11 16 00-0029 Universal Equipment Racks (27 11 16 00-0028)		
27 11 16 00-0030 19" Width, EIA Universal Equipment Racks (27 11 16 00-0029)		
27 11 16 00-0031 EA 36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31).....	508.47	98.20
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>		
	15.60	
27 11 16 00-0032 EA 48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20).....	558.73	99.95
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>		
	17.94	
27 11 16 00-0033 EA 60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19).....	557.20	101.71
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>		
	17.69	
27 11 16 00-0034 EA 66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00).....	571.88	103.46
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>		
	18.25	
27 11 16 00-0035 EA 72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01).....	586.39	105.22
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>		
	18.80	
27 11 16 00-0036 EA 78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02).....	602.16	106.97
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>		
	19.41	
27 11 16 00-0037 EA 84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03).....	505.65	108.73
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>		
	14.41	
27 11 16 00-0038 EA 90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05).....	632.74	110.48
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>		
	20.59	
27 11 16 00-0039 EA 96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15).....	656.05	112.24
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>		
	21.58	
27 11 16 00-0040 EA 102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17).....	676.31	113.98
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>		
	22.42	
27 11 16 00-0041 EA 108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08).....	680.66	115.74
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>		
	22.46	
27 11 16 00-0042 23" Width, Universal Equipment Racks (27 11 16 00-0029)		
27 11 16 00-0043 EA 36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31).....	540.49	98.20
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>		
	17.20	
27 11 16 00-0044 EA 48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20).....	559.92	99.95
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>		
	18.00	
27 11 16 00-0045 EA 60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19).....	576.92	101.71
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>		
	18.68	
27 11 16 00-0046 EA 66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00).....	609.38	103.46
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>		
	20.12	
27 11 16 00-0047 EA 72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01).....	625.00	105.22
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>		
	20.73	
27 11 16 00-0048 EA 78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02).....	642.04	106.97
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>		
	21.40	
27 11 16 00-0049 EA 84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03).....	546.00	108.73
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>		
	16.43	
27 11 16 00-0050 EA 90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05).....	675.07	110.48
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>		
	22.71	
27 11 16 00-0051 EA 96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15).....	700.38	112.24
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>		
	23.80	
27 11 16 00-0052 EA 102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17).....	722.39	113.98
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>		
	24.72	

27	Communications
27 10	Structured Cabling
27 11	Communications Equipment Room Fittings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0053 EA 108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	726.82 24.77	115.74
27 11 16 00-0054 35" Width, Universal Equipment Racks (27 11 16 00-0029)		
27 11 16 00-0055 EA 72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	679.28 23.44	105.22
27 11 16 00-0056 EA 84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	716.21 24.94	108.73
27 11 16 00-0057 UL Listed Universal Equipment Racks (27 11 16 00-0028) Note: UL listed as a communications circuit accessory.		
27 11 16 00-0058 19" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)		
27 11 16 00-0059 EA 36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	539.68 17.16	98.20
27 11 16 00-0060 EA 48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	586.05 19.31	99.95
27 11 16 00-0061 EA 60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	594.92 19.58	101.71
27 11 16 00-0062 EA 66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	608.40 20.07	103.46
27 11 16 00-0063 EA 72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	623.97 20.68	105.22
27 11 16 00-0064 EA 78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	640.97 21.35	106.97
27 11 16 00-0065 EA 84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	657.27 21.99	108.73
27 11 16 00-0066 EA 90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	673.94 22.65	110.48
27 11 16 00-0067 EA 96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	699.22 23.74	112.24
27 11 16 00-0068 EA 102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	721.17 24.66	113.98
27 11 16 00-0069 EA 108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	725.54 24.70	115.74
27 11 16 00-0070 23" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)		
27 11 16 00-0071 EA 36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	574.93 18.93	98.20
27 11 16 00-0072 EA 48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	633.86 21.70	99.95
27 11 16 00-0073 EA 60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	641.72 21.92	101.71
27 11 16 00-0074 EA 66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	649.62 22.13	103.46
27 11 16 00-0075 EA 72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	666.44 22.80	105.22
27 11 16 00-0076 EA 78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	684.86 23.55	106.97
27 11 16 00-0077 EA 84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	702.45 24.25	108.73
27 11 16 00-0078 EA 90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	720.47 24.98	110.48
27 11 16 00-0079 EA 96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	747.96 26.18	112.24
27 11 16 00-0080 EA 102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	771.84 27.19	113.98
27 11 16 00-0081 EA 108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	776.43 27.25	115.74
27 11 16 00-0082 4-Post Equipment Racks And Server Frames (27 11 16 00-0022)		
27 11 16 00-0083 4-Post Equipment Racks (27 11 16 00-0082)		
27 11 16 00-0084 EA 19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,100.66 37.50	175.36
27 11 16 00-0085 EA 19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,205.70 42.05	182.38
27 11 16 00-0086 EA 19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,304.61 46.29	189.39
27 11 16 00-0087 4-Post Server Frame (27 11 16 00-0082)		
27 11 16 00-0088 EA 19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,133.65 39.15	175.36
27 11 16 00-0089 Cable Managers (27 11 16 00-0021)		
27 11 16 00-0090 Horizontal Cable Managers (27 11 16 00-0089)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0091 Single-Sided, Horizontal Cable Managers <small>(27 11 16 00-0090)</small>		
27 11 16 00-0092 EA 1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719)	65.07	7.02
27 11 16 00-0093 EA 1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723)	72.81	7.02
27 11 16 00-0094 EA 1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701)	53.81	7.02
27 11 16 00-0095 EA 2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719)	66.23	7.02
27 11 16 00-0096 EA 2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723)	78.22	7.02
27 11 16 00-0097 EA 2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702)	59.93	7.02
27 11 16 00-0098 EA 3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719)	90.38	7.02
27 11 16 00-0099 EA 3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723)	103.31	7.02
27 11 16 00-0100 EA 3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703)	72.17	7.02
27 11 16 00-0101 Double-Sided, Horizontal Cable Managers <small>(27 11 16 00-0090)</small>		
27 11 16 00-0102 EA 1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	81.57	7.02
27 11 16 00-0103 EA 1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	91.77	7.02
27 11 16 00-0104 EA 2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	85.99	7.02
27 11 16 00-0105 EA 2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	100.60	7.02
27 11 16 00-0106 EA 3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	112.18	7.02
27 11 16 00-0107 EA 3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	126.00	7.02
27 11 16 00-0108 Vertical Cable Managers <small>(27 11 16 00-0089)</small>		
27 11 16 00-0109 Single-Sided, Vertical Cable Managers <small>(27 11 16 00-0108)</small>		
27 11 16 00-0110 EA 3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	148.04	10.52
27 11 16 00-0111 EA 6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	210.77	10.52
27 11 16 00-0112 EA 10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	342.35	10.52
27 11 16 00-0113 EA 12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	388.25	10.52
27 11 16 00-0114 EA 3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	158.75	10.52
27 11 16 00-0115 EA 6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	227.60	10.52
27 11 16 00-0116 EA 10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	372.95	10.52
27 11 16 00-0117 EA 12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	418.85	10.52
27 11 16 00-0118 EA 3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	180.17	10.52
27 11 16 00-0119 EA 6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	250.55	10.52
27 11 16 00-0120 EA 10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	418.85	10.52
27 11 16 00-0121 EA 12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	464.75	10.52
27 11 16 00-0122 Double-Sided, Vertical Cable Managers <small>(27 11 16 00-0108)</small>		
27 11 16 00-0123 EA 3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	216.89	10.52
27 11 16 00-0124 EA 6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	256.67	10.52
27 11 16 00-0125 EA 10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	418.85	10.52
27 11 16 00-0126 EA 12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	495.35	10.52
27 11 16 00-0127 EA 3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	235.25	10.52
27 11 16 00-0128 EA 6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	275.03	10.52
27 11 16 00-0129 EA 10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	449.45	10.52
27 11 16 00-0130 EA 12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	525.95	10.52
27 11 16 00-0131 EA 3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	259.73	10.52
27 11 16 00-0132 EA 6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	299.51	10.52
27 11 16 00-0133 EA 10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	495.35	10.52
27 11 16 00-0134 EA 12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	571.85	10.52
27 11 16 00-0135 Accessories For Vertical Cable Managers <small>(27 11 16 00-0108)</small>		
27 11 16 00-0136 EA Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	90.53	7.02
27 11 16 00-0137 EA Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	96.65	7.02
27 11 16 00-0138 EA Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	102.77	7.02
27 11 16 00-0139 EA Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	93.59	7.02
27 11 16 00-0140 EA Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	102.77	7.02
27 11 16 00-0141 EA Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	111.95	7.02
27 11 16 00-0142 EA Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	105.83	7.02
27 11 16 00-0143 EA Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	115.01	7.02
27 11 16 00-0144 EA Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	124.19	7.02
27 11 16 00-0145 EA Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	111.95	7.02
27 11 16 00-0146 EA Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	124.19	7.02
27 11 16 00-0147 EA Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	133.37	7.02
27 11 16 00-0148 EA Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	75.23	7.02
27 11 16 00-0149 EA Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	87.47	7.02
27 11 16 00-0150 EA Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	91.60	7.02
27 11 16 00-0151 EA Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	56.87	7.02
27 11 19 Communications Termination Blocks And Patch Panels <small>(27 11)</small>		
Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 27 14 43 00-0074 for labeling.		
27 11 19 00-0001 Computer Network Components <small>(27 11 19)</small>		
27 11 19 00-0002 Ethernet Patch Panels <small>(27 11 19 00-0001)</small>		
27 11 19 00-0003 EA 12 Port, Category 5E Patch Panel	160.75	35.07
27 11 19 00-0004 EA 24 Port, Category 5E Patch Panel	238.04	35.07

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27 11 19 00-0005 EA 32 Port, Category 5E Patch Panel	311.18	35.07
27 11 19 00-0006 EA 48 Port, Category 5E Patch Panel	379.34	35.07
27 11 19 00-0007 EA 64 Port, Category 5E Patch Panel	484.86	43.84
27 11 19 00-0008 EA 96 Port, Category 5E Patch Panel	700.32	52.61
27 11 19 00-0009 EA 12 Port, Category 6 Patch Panel.....	194.82	35.07
27 11 19 00-0010 EA 24 Port, Category 6 Patch Panel.....	243.03	35.07
27 11 19 00-0011 EA 48 Port, Category 6 Patch Panel.....	415.91	35.07
27 11 19 00-0012 EA 96 Port, Category 6 Patch Panel.....	770.14	52.61
27 11 19 00-0013 EA Up To 5 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications	24.86	
27 11 19 00-0014 EA >5 To 10 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications.....	20.71	
27 11 19 00-0015 EA >10 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications.....	12.42	
27 11 19 00-0016 EA Up To 20 Pairs, Terminate One End Of A Twisted Pair Of Wires.....	6.83	
27 11 19 00-0017 EA >20 To 40 Pairs, Terminate One End Of A Twisted Pair Of Wires.....	5.70	
27 11 19 00-0018 EA >40 Pairs, Terminate One End Of A Twisted Pair Of Wires.....	3.42	
27 11 19 00-0019 Fiber Optic Cable Patch Panels And Enclosures (27 11 19 00-0001)		
27 11 19 00-0020 Fiber Optic Cable Connector Housings (27 11 19 00-0019)		
27 11 19 00-0021 Wall Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0020) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0022 EA 1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	87.10	15.78
27 11 19 00-0023 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	130.33	15.78
27 11 19 00-0024 EA 4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	194.29	15.78
27 11 19 00-0025 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	286.56	26.31
27 11 19 00-0026 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	400.42	26.31
27 11 19 00-0027 Rack Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0020) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0028 EA 2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	298.23	26.31
27 11 19 00-0029 EA 4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	341.64	26.31
27 11 19 00-0030 EA 6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	368.20	26.31
27 11 19 00-0031 EA 12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	432.36	26.31
27 11 19 00-0032 Rack Mount, Fiber Optic Cable Pretium® Connector Housings (27 11 19 00-0020) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0033 EA 2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing.....	372.64	26.31
For Splice Tray Bracket, Add	40.16	
27 11 19 00-0034 EA 4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing.....	437.21	26.31
For Splice Tray Bracket, Add	43.92	
27 11 19 00-0035 EA 12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing.....	546.05	26.31
For Splice Tray Bracket, Add	160.00	
27 11 19 00-0036 Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings (27 11 19 00-0020) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0037 EA 8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	473.94	26.31
27 11 19 00-0038 EA 12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	607.10	26.31
27 11 19 00-0039 EA 24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	687.82	26.31
27 11 19 00-0040 EA 48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	893.68	26.31
27 11 19 00-0041 Wall Mount, Fiber Optic Cable Industrial Connector Housings (27 11 19 00-0020) Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0042 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	424.32	15.78
27 11 19 00-0043 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	586.29	26.31
27 11 19 00-0044 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	615.44	26.31
27 11 19 00-0045 Wall Mount, Fiber Optic Cable Environmental Connector Housings (27 11 19 00-0020) Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0046 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	444.47	15.78
27 11 19 00-0047 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	585.93	26.31
27 11 19 00-0048 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	689.08	26.31
27 11 19 00-0049 Fiber Optic Cable Connector Panels (27 11 19 00-0019)		
27 11 19 00-0050 SC Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0049)		
27 11 19 00-0051 EA 6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	58.21	3.51
27 11 19 00-0052 EA 6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	63.21	3.51
27 11 19 00-0053 EA 8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	70.98	3.51
27 11 19 00-0054 EA 8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	77.65	3.51



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27 11 19 00-0055 EA 12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	96.54	3.51
27 11 19 00-0056 EA 12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	106.52	3.51
27 11 19 00-0057 SC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0049)		
27 11 19 00-0058 EA 6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	55.99	3.51
27 11 19 00-0059 EA 6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	57.17	3.51
27 11 19 00-0060 EA 8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	68.05	3.51
27 11 19 00-0061 EA 8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	69.61	3.51
27 11 19 00-0062 EA 12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	92.14	3.51
27 11 19 00-0063 EA 12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	94.47	3.51
27 11 19 00-0064 LC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0049)		
27 11 19 00-0065 EA 6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	60.51	3.51
27 11 19 00-0066 EA 6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	66.40	3.51
27 11 19 00-0067 EA 8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	74.04	3.51
27 11 19 00-0068 EA 8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	81.91	3.51
27 11 19 00-0069 EA 12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	101.15	3.51
27 11 19 00-0070 EA 12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	112.93	3.51
27 11 19 00-0071 EA 16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	128.24	3.51
27 11 19 00-0072 EA 16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	143.94	3.51
27 11 19 00-0073 EA 24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	182.41	3.51
27 11 19 00-0074 EA 24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	187.89	3.51
27 11 19 00-0075 ST Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0049)		
27 11 19 00-0076 EA 6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	48.30	3.51
27 11 19 00-0077 EA 6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	52.08	3.51
27 11 19 00-0078 EA 8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	57.77	3.51
27 11 19 00-0079 EA 8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	62.82	3.51
27 11 19 00-0080 EA 12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	76.71	3.51
27 11 19 00-0081 EA 12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	84.30	3.51
27 11 19 00-0082 MT-RJ, Fiber Optic Cable Connector Panels (27 11 19 00-0049)		
27 11 19 00-0083 EA 12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel.....	60.16	3.51
27 11 19 00-0084 EA 12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel	90.26	3.51
27 11 19 00-0085 Fiber Optic Cable Pretium Edge® Modules (27 11 19 00-0049)		
27 11 19 00-0086 EA 12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	521.77	3.51
27 11 19 00-0087 EA 12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module.....	523.58	3.51
27 11 19 00-0088 Fiber Optic Cable Splice Housings (27 11 19 00-0019)		
27 11 19 00-0089 Wall Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0088)		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0090 EA 12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door.....	204.24	35.07
27 11 19 00-0091 Rack Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0088)		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0092 EA 12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	309.49	26.31
27 11 19 00-0093 EA 22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	314.19	26.31
27 11 19 00-0094 Fiber Optic Cable Splice Trays (27 11 19 00-0088)		
27 11 19 00-0095 EA Fiber Optic Cable Splice Tray.....	58.57	8.76
27 11 19 00-0096 Fiber Optic Cable Jumper Management Panels (27 11 19 00-0019)		
Note: Includes mounting hardware.		
27 11 19 00-0097 EA Rack Mount, Fiber Optic Cable Jumper Management Panel.....	112.56	26.31
27 11 19 00-0098 Miscellaneous Accessories (27 11 19 00-0001)		
27 11 19 00-0099 EA Wall Mount Bracket For 12 Or 24 Port Patch Panel.....	41.86	
27 11 19 00-0100 EA Wall Mount Bracket For 32 Or 48 Port Patch Panel.....	55.91	
27 11 19 00-0101 EA Wall Mount Bracket For 64 Or 72 Port Patch Panel.....	60.94	
27 11 19 00-0102 EA Wall Mount Bracket For 96 Port Patch Panel.....	67.85	
27 11 19 00-0103 EA Lightning Protection Plus Stainless Steel Modules, Simon.....	273.96	35.07
27 11 19 00-0104 Telephone Components (27 11 19)		
27 11 19 00-0105 Terminal Blocks With Wide Range Of 22-8 AWG (27 11 19 00-0104)		
27 11 19 00-0106 EA Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG	20.03	7.03
27 11 19 00-0107 EA Terminal Block, Fuse Holder 600 Volt, 6.3 Amp With Wire Range 22-8 AWG.....	36.75	7.03

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27 11 19 00-0108	EA		Terminal Block, Fuse Holder 600 Volt, 10 Amp With Wire Range 22-8 AWG.....	29.91	7.03
27 11 19 00-0109	EA		Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG.....	15.67	7.03
27 11 19 00-0110	EA		Flat Terminal Block Connection With Wire Range 22-8 AWG.....	11.13	4.92
27 11 19 00-0111	EA		Ground Terminal Block With Wire Range 22-8 AWG.....	20.75	7.03
27 11 19 00-0112	EA		Terminal Block, Solderless Box With Lug 600 Volt, 60 Amp With Wire Range 22-8 AWG.....	15.67	7.03
27 11 19 00-0113	EA		Terminal Block, Mini Box Lug 300 Volt, 30 Amp With Wire Range 22-8 AWG.....	11.03	4.92
27 11 19 00-0114	EA		Flat Terminal Block Connection 300 Volt, 20 Amp With Wire Range 22-8 AWG.....	10.95	4.92
27 11 19 00-0115	EA		Self Lifting Terminal Block, 300 Volt, 40 Amp Wire Connection With Wire Range 22-12 AWG.....	11.29	4.92
27 11 19 00-0116			Terminal Block Mounting Channel (27 11 19 00-0104)		
27 11 19 00-0117	EA		Terminal Block Mounting Channel, 5 M Galvanized Steel.....	10.54	3.52
27 11 19 00-0118	EA		Terminal Block Mounting Channel, 1 M Galvanized Steel.....	13.40	3.52
27 11 19 00-0119	EA		Terminal Block Mounting Channel, 2 M Galvanized Steel.....	18.40	3.52
27 11 19 00-0120	EA		Terminal Block Mounting Channel, 5 M Bi-Chrome Zinc.....	13.39	4.22
27 11 19 00-0121	EA		Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc.....	18.12	4.22
27 11 19 00-0122	EA		Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc.....	25.88	4.22
27 11 19 00-0123			Outlet Termination Hardware (27 11 19 00-0104)		
27 11 19 00-0124	EA		Telephone Outlet Blocks.....	19.60	3.52
27 11 19 00-0125	EA		Phone Outlet Block For Floor Box..... Note: Excludes box.	58.42	26.65
27 11 19 00-0126	EA		Fiber Optic "SC" Type Modular Bulkhead.....	49.69	15.78
27 11 19 00-0127	EA		Fiber Optic "ST" Type Modular Bulkhead.....	49.69	15.78
27 11 19 00-0128	EA		Type "F" Coaxial Connector Male.....	29.36	10.52
27 11 19 00-0129	EA		Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	73.59	17.54
27 11 19 00-0130	EA		Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	73.59	17.54
27 11 19 00-0131	EA		Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	87.94	17.54
27 11 19 00-0132	EA		Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	87.94	17.54
27 11 19 00-0133	EA		Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector.....	80.39	17.54
27 11 19 00-0134	EA		Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5.....	682.96	87.68
27 11 19 00-0135	EA		Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V..... Note: Excludes cable terminations.	34.69	7.02
27 11 19 00-0136	EA		Connecting Block, 5-Pair.....	2.11	0.70
27 11 19 00-0137	EA		Connecting Block, 4-Pair.....	2.05	0.70
27 11 19 00-0138	EA		Plastic Label Holder, Transparent.....	8.61	1.75
27 11 19 00-0139	EA		Marked Label, White, 5-Pair.....	2.37	
27 11 19 00-0140	EA		Marked Label, Blue, 4-Pair.....	2.37	
27 11 19 00-0141			Terminations in Manhole or Junction Box (27 11 19 00-0104)		
27 11 19 00-0142	EA		25 Pair Cable Termination In Manhole Or Junction Box.....	112.24	
27 11 19 00-0143	EA		50 Pair Cable Termination In Manhole Or Junction Box.....	224.46	
27 11 19 00-0144	EA		100 Pair Cable Termination In Manhole Or Junction Box.....	448.93	
27 11 19 00-0145	EA		150 Pair Cable Termination In Manhole Or Junction Box.....	673.40	
27 11 19 00-0146	EA		200 Pair Cable Termination In Manhole Or Junction Box.....	787.73	
27 11 19 00-0147	EA		300 Pair Cable Termination In Manhole Or Junction Box.....	1,181.25	
27 11 19 00-0148	EA		400 Pair Cable Termination In Manhole Or Junction Box.....	1,485.68	
27 11 19 00-0149	EA		500 Pair Cable Termination In Manhole Or Junction Box.....	1,857.45	
27 11 19 00-0150	EA		750 Pair Cable Termination In Manhole Or Junction Box.....	2,786.16	
27 11 19 00-0151	EA		1,000 Pair Cable Termination In Manhole Or Junction Box.....	3,378.87	
27 11 19 00-0152	EA		1,200 Pair Cable Termination In Manhole Or Junction Box.....	3,851.01	
27 11 23			Communications Cable Management and Ladder Rack (27 11)		
27 11 23 00-0001			Equipment Supports (27 11 23)		
27 11 23 00-0002	EA		12" x 5'-11" Tubular Runway.....	66.30	16.83
27 11 23 00-0003	EA		12" x 9'-11" Tubular Runway.....	114.34	28.05
27 11 23 00-0004	EA		Shelf Bracket Support For Tubular Runway.....	21.01	5.26
27 11 23 00-0005	EA		Straight Clamp Hardware For Tubular Runway.....	9.19	3.51
27 11 23 00-0006	EA		Corner Clamp Hardware For Tubular Runway.....	9.73	3.51
27 11 23 00-0007	EA		90 Degree Edge Clamp Hardware For Tubular Runway.....	22.04	6.32
27 11 23 00-0008	EA		Wall Angle Assembly Hardware For 12" Wide Tubular Runway.....	46.49	10.52
27 11 23 00-0009	EA		J-Bolt Hardware For Tubular Runway.....	4.31	1.54
27 11 23 00-0010	EA		T Bracket Hardware For Tubular Runway.....	24.12	8.76
27 11 23 00-0011	EA		110 Jumper Trough (Commscope 107831133).....	21.33	3.51
27 11 23 00-0012	LF		Velcro CMP.....	1.71	0.70
27 14			Communications Cabling (27 10)		
27 14 13			Communications Copper Cabling (27 14)		
27 14 13 13			Communications Copper Cable Splicing and Terminations (27 14 13)		
27 14 13 13-0001			Building Entrance Terminals (27 14 13 13)		
27 14 13 13-0002	EA		25 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	1,187.17	153.91
27 14 13 13-0003	EA		50 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	1,615.00	256.52
27 14 13 13-0004	EA		100 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	2,317.12	410.75



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 13-0005 Modular Plugs For Copper Communications Cable <small>(27 14 13 13)</small>						
27 14 13 13-0006	EA			Modular Plug For Non-Shielded Copper Communications Cable..... 16.09 Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.		
				<i>For >5 To 10, Deduct</i>	-2.10	
				<i>For >10, Deduct</i>	-4.20	
27 14 13 13-0007	EA			Modular Plug For Shielded Copper Communications Cable..... 18.28 Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.		
				<i>For >5 To 10, Deduct</i>	-2.36	
				<i>For >10, Deduct</i>	-4.72	
27 14 13 13-0008 Testing And Certification Of Copper Communications Cable <small>(27 14 13 13)</small>						
				Note: Use for existing systems.		
27 14 13 13-0009	PR			Test 1-Pair Of A Copper Communications Cable For Continuity 3.51 <i>For >25-Pair, Deduct</i>	-1.40	
27 14 13 13-0010	PR			Certify 1-Pair Of A Copper Communications Cable 5.26 <i>For >25-Pair, Deduct</i>	-2.10	
27 14 13 13-0011	PR			Certify And Document 1-Pair Of A Copper Communications Cable 8.42 <i>For >25-Pair, Deduct</i>	-3.36	
27 14 13 13-0012	PR			Test 4-Pair Cat 5-7 Telecommunications Cable For Continuity 14.03 <i>For >25-Pair, Deduct</i>	-5.60	
27 14 13 13-0013	PR			Certify 4-Pair Cat 5-7 Telecommunications Cable 21.05 <i>For >25-Pair, Deduct</i>	-8.40	
27 14 13 13-0014	PR			Certify And Document 4-Pair Cat 5-7 Telecommunications Cable 33.67 <i>For >25-Pair, Deduct</i>	-13.43	
27 14 13 13-0015 Communications Termination Blocks <small>(27 14 13 13)</small>						
27 14 13 13-0016	EA			100-Pair, 110 Block With Legs..... 33.17		8.76
27 14 13 13-0017	EA			300-Pair, 110 Block With Legs..... 54.31		8.76
27 14 13 13-0018	EA			Clear Label Holder For 110 Wiring Block..... 9.18		3.51
27 14 13 13-0019	EA			4-Pair, 110C Connecting Block..... 4.16		1.75
27 14 13 13-0020	EA			5-Pair, 110C Connecting Block..... 4.26		1.75
27 14 13 13-0021	EA			100-Pair, 110 Jack Panel System..... 161.42 Note: Includes twelve 8-pin modular jacks and mounting legs.		10.52
27 14 13 13-0022	EA			300-Pair, 110 Jack Panel System..... 418.06 Note: Includes twelve 8-pin modular jacks and mounting legs.		10.52
27 14 13 16 Communications Copper Cabling <small>(27 14 13)</small>						
27 14 13 16-0001 Solid Conductor Low Voltage Cable <small>(27 14 13 16)</small>						
27 14 13 16-0002 Shielded, Low Voltage Cable, Pulled In Conduit <small>(27 14 13 16-0001)</small>						
27 14 13 16-0003 #14 AWG, Shielded, Low Voltage Cable, Placed In Conduit <small>(27 14 13 16-0002)</small>						
27 14 13 16-0004	MLF			1 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... 1,388.31 <i>For Installation On Exposed Surface, Deduct</i>	-185.08	555.36
27 14 13 16-0005	MLF			2 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... 1,812.99 <i>For Installation On Exposed Surface, Deduct</i>	-191.75	575.24
27 14 13 16-0006	MLF			3 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... 2,182.23 <i>For Installation On Exposed Surface, Deduct</i>	-198.41	595.12
27 14 13 16-0007	MLF			4 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... 2,573.26 <i>For Installation On Exposed Surface, Deduct</i>	-205.21	615.64
27 14 13 16-0008	MLF			5 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... 2,978.41 <i>For Installation On Exposed Surface, Deduct</i>	-219.07	657.33
27 14 13 16-0009	MLF			6 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... 3,344.23 <i>For Installation On Exposed Surface, Deduct</i>	-232.66	698.36
27 14 13 16-0010	MLF			8 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... 3,598.45 <i>For Installation On Exposed Surface, Deduct</i>	-260.36	781.09
27 14 13 16-0011	MLF			12 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... 4,777.64 <i>For Installation On Exposed Surface, Deduct</i>	-343.09	1,029.26
27 14 13 16-0012	MLF			24 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... 7,127.66 <i>For Installation On Exposed Surface, Deduct</i>	-506.87	1,520.50
27 14 13 16-0013 #16 AWG, Shielded, Low Voltage Cable, Placed In Conduit <small>(27 14 13 16-0002)</small>						
27 14 13 16-0014	MLF			1 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... 1,234.27 <i>For Installation On Exposed Surface, Deduct</i>	-165.32	495.71
27 14 13 16-0015	MLF			2 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... 1,510.26 <i>For Installation On Exposed Surface, Deduct</i>	-171.22	513.67
27 14 13 16-0016	MLF			3 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... 1,933.67 <i>For Installation On Exposed Surface, Deduct</i>	-177.12	531.62
27 14 13 16-0017	MLF			4 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... 2,278.86 <i>For Installation On Exposed Surface, Deduct</i>	-183.28	549.59
27 14 13 16-0018	MLF			5 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... 2,636.21 <i>For Installation On Exposed Surface, Deduct</i>	-195.59	586.78
27 14 13 16-0019	MLF			6 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... 2,959.42 <i>For Installation On Exposed Surface, Deduct</i>	-207.78	623.33
27 14 13 16-0020	MLF			7 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... 3,071.93 <i>For Installation On Exposed Surface, Deduct</i>	-220.09	660.53

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0021 MLF 8 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,185.08 -232.53	697.72
27 14 13 16-0022 MLF 9 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,595.90 -247.28	741.97
27 14 13 16-0023 MLF 12 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	4,228.29 -306.34	918.97
27 14 13 16-0024 MLF 24 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	6,307.64 -452.56	1,357.61
27 14 13 16-0025 #18 AWG, Shielded, Low Voltage Cable, Placed In Conduit <small>(27 14 13 16-0002)</small>		
27 14 13 16-0026 MLF 1 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,015.06 -145.44	436.72
27 14 13 16-0027 MLF 2 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,284.68 -150.70	452.11
27 14 13 16-0028 MLF 3 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,519.83 -155.96	467.50
27 14 13 16-0029 MLF 4 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,768.12 -161.22	483.53
27 14 13 16-0030 MLF 5 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,031.48 -172.12	516.24
27 14 13 16-0031 MLF 6 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,270.55 -182.90	548.30
27 14 13 16-0032 MLF 8 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,450.88 -204.57	613.71
27 14 13 16-0033 MLF 12 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,252.01 -269.60	808.67
27 14 13 16-0034 MLF 24 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	4,847.24 -398.24	1,194.73
27 14 13 16-0035 #20 AWG, Shielded, Low Voltage Cable, Placed In Conduit <small>(27 14 13 16-0002)</small>		
27 14 13 16-0036 MLF 1 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	882.37 -132.23	396.96
27 14 13 16-0037 MLF 2 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,094.30 -136.98	411.07
27 14 13 16-0038 MLF 3 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,277.31 -141.72	425.49
27 14 13 16-0039 MLF 4 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,470.26 -146.60	439.93
27 14 13 16-0040 MLF 5 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,681.84 -156.41	469.43
27 14 13 16-0041 MLF 6 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,873.22 -166.22	498.92
27 14 13 16-0042 MLF 8 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,043.24 -185.97	557.92
27 14 13 16-0043 MLF 12 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,688.72 -245.10	735.56
27 14 13 16-0044 MLF 24 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	4,005.17 -362.07	1,086.35
27 14 13 16-0045 MLF 25 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	4,295.83 -370.67	1,112.00
27 14 13 16-0046 MLF 36 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	5,150.86 -431.59	1,294.76
27 14 13 16-0047 MLF 40 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	5,529.88 -461.98	1,385.83
27 14 13 16-0048 MLF 50 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	6,532.98 -577.29	1,732.12
27 14 13 16-0049 MLF 100 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	8,960.47 -760.05	2,280.42
27 14 13 16-0050 #22 AWG, Shielded, Low Voltage Cable, Placed In Conduit <small>(27 14 13 16-0002)</small>		
27 14 13 16-0051 MLF 1 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	710.84 -119.02	357.19
27 14 13 16-0052 MLF 2 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	774.63 -123.26	370.02
27 14 13 16-0053 MLF 3 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	855.32 -127.62	382.85
27 14 13 16-0054 MLF 4 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	944.09 -131.98	395.67
27 14 13 16-0055 MLF 5 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,068.74 -140.83	422.61
27 14 13 16-0056 MLF 6 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,196.23 -149.29	447.62
27 14 13 16-0057 Triad <small>(27 14 13 16-0002)</small>		
27 14 13 16-0058 MLF 1 Triad #16 AWG, Stranded, Low Voltage, Placed In Conduit.....	1,738.52	531.62
27 14 13 16-0059 MLF 4 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	2,251.14	735.56
27 14 13 16-0060 MLF 8 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	3,537.74	1,086.35
27 14 13 16-0061 MLF 12 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	4,425.13	1,294.76
27 14 13 16-0062 MLF 24 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	7,283.63	2,005.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0063 MLF 36 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	8,388.62	2,280.42
27 14 13 16-0064 Non-Shielded Low Voltage Cable Pulled In Conduit (27 14 13 16-0001)		
27 14 13 16-0065 #14 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded (27 14 13 16-0064)		
27 14 13 16-0066 MLF 1 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,392.19	555.36
For Installation On Exposed Surface, Deduct	-185.08	
27 14 13 16-0067 MLF 2 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,820.15	575.24
For Installation On Exposed Surface, Deduct	-191.75	
27 14 13 16-0068 MLF 3 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,192.21	595.12
For Installation On Exposed Surface, Deduct	-198.41	
27 14 13 16-0069 MLF 4 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,586.23	615.64
For Installation On Exposed Surface, Deduct	-205.21	
27 14 13 16-0070 MLF 5 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,992.91	656.68
For Installation On Exposed Surface, Deduct	-218.81	
27 14 13 16-0071 MLF 6 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,361.87	697.72
For Installation On Exposed Surface, Deduct	-232.53	
27 14 13 16-0072 MLF 8 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,617.70	781.09
For Installation On Exposed Surface, Deduct	-260.36	
27 14 13 16-0073 MLF 12 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	4,803.31	1,029.26
For Installation On Exposed Surface, Deduct	-343.09	
27 14 13 16-0074 MLF 24 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	7,166.16	1,520.50
For Installation On Exposed Surface, Deduct	-506.87	
27 14 13 16-0075 #16 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded (27 14 13 16-0064)		
27 14 13 16-0076 MLF 1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,237.69	495.71
For Installation On Exposed Surface, Deduct	-165.32	
27 14 13 16-0077 MLF 2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,614.69	513.67
For Installation On Exposed Surface, Deduct	-171.22	
27 14 13 16-0078 MLF 3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,942.46	531.62
For Installation On Exposed Surface, Deduct	-177.12	
27 14 13 16-0079 MLF 4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,290.28	549.59
For Installation On Exposed Surface, Deduct	-183.28	
27 14 13 16-0080 MLF 5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,649.47	586.14
For Installation On Exposed Surface, Deduct	-195.47	
27 14 13 16-0081 MLF 6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,975.52	623.33
For Installation On Exposed Surface, Deduct	-207.78	
27 14 13 16-0082 MLF 7 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,088.46	660.53
For Installation On Exposed Surface, Deduct	-220.09	
27 14 13 16-0083 MLF 8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,333.86	697.72
For Installation On Exposed Surface, Deduct	-232.53	
27 14 13 16-0084 MLF 9 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,769.41	741.97
For Installation On Exposed Surface, Deduct	-247.27	
27 14 13 16-0085 MLF 12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	4,250.89	918.97
For Installation On Exposed Surface, Deduct	-306.34	
27 14 13 16-0086 MLF 24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	6,341.87	1,357.61
For Installation On Exposed Surface, Deduct	-452.62	
27 14 13 16-0087 #18 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded (27 14 13 16-0064)		
27 14 13 16-0088 MLF 1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,070.30	436.07
For Installation On Exposed Surface, Deduct	-145.44	
27 14 13 16-0089 MLF 2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,368.70	452.11
For Installation On Exposed Surface, Deduct	-150.70	
27 14 13 16-0090 MLF 3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,536.95	468.14
For Installation On Exposed Surface, Deduct	-155.96	
27 14 13 16-0091 MLF 4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,776.18	483.53
For Installation On Exposed Surface, Deduct	-161.22	
27 14 13 16-0092 MLF 5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,019.98	516.24
For Installation On Exposed Surface, Deduct	-172.12	
27 14 13 16-0093 MLF 6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,263.13	548.95
For Installation On Exposed Surface, Deduct	-182.90	
27 14 13 16-0094 MLF 8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,868.39	613.71
For Installation On Exposed Surface, Deduct	-204.57	
27 14 13 16-0095 MLF 12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,688.99	808.67
For Installation On Exposed Surface, Deduct	-269.60	
27 14 13 16-0096 MLF 24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	5,540.28	1,194.73
For Installation On Exposed Surface, Deduct	-398.24	
27 14 13 16-0097 #20 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded (27 14 13 16-0064)		
27 14 13 16-0098 MLF 1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	903.34	396.96
For Installation On Exposed Surface, Deduct	-132.23	
27 14 13 16-0099 MLF 2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,097.73	411.07
For Installation On Exposed Surface, Deduct	-136.98	
27 14 13 16-0100 MLF 3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,353.27	468.14
For Installation On Exposed Surface, Deduct	-155.96	
27 14 13 16-0101 MLF 4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,476.44	439.93
For Installation On Exposed Surface, Deduct	-146.60	
27 14 13 16-0102 MLF 5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,767.94	516.24
For Installation On Exposed Surface, Deduct	-172.12	

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0103 MLF 6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	1,965.33 -182.90	548.95
27 14 13 16-0104 MLF 8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	2,141.08 -203.67	610.89
27 14 13 16-0105 MLF 12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	2,700.98 -245.10	735.56
27 14 13 16-0106 MLF 24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	4,023.57 -362.07	1,086.35
27 14 13 16-0107 MLF 25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	4,316.31 -370.67	1,112.00
27 14 13 16-0108 MLF 36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	5,175.95 -431.59	1,294.76
27 14 13 16-0109 MLF 40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	5,556.88 -461.98	1,385.83
27 14 13 16-0110 MLF 50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	6,563.55 -577.29	1,732.12
27 14 13 16-0111 MLF 100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	9,003.73 -760.05	2,280.42
27 14 13 16-0112 #22 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded (27 14 13 16-0064)		
27 14 13 16-0113 MLF 1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	755.68 -119.02	357.19
27 14 13 16-0114 MLF 2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	835.99 -123.26	370.02
27 14 13 16-0115 MLF 3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	950.48 -127.62	382.85
27 14 13 16-0116 MLF 4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	1,078.69 -131.98	395.67
27 14 13 16-0117 MLF 5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	1,222.50 -140.83	422.61
27 14 13 16-0118 MLF 6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	1,385.90 -149.29	447.62
27 14 13 16-0119 Shielded Plenum Rated, Low Voltage Cable, Pulled In Conduit (27 14 13 16-0001)		
27 14 13 16-0120 MLF 1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	974.19	495.71
27 14 13 16-0121 MLF 2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,204.02	513.67
27 14 13 16-0122 MLF 3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,364.34	531.62
27 14 13 16-0123 MLF 4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,447.30	549.59
27 14 13 16-0124 MLF 5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,760.75	586.14
27 14 13 16-0125 MLF 6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,908.65	623.33
27 14 13 16-0126 MLF 8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	2,415.12	697.72
27 14 13 16-0127 MLF 12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	2,983.55	918.97
27 14 13 16-0128 MLF 24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	4,541.88	1,357.61
27 14 13 16-0129 MLF 1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	839.04	436.07
27 14 13 16-0130 MLF 2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,027.47	452.11
27 14 13 16-0131 MLF 3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,182.48	468.14
27 14 13 16-0132 MLF 4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,256.78	483.53
27 14 13 16-0133 MLF 5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,524.18	516.24
27 14 13 16-0134 MLF 6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,721.56	548.95
27 14 13 16-0135 MLF 8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,946.49	613.71
27 14 13 16-0136 MLF 12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	2,510.04	808.67
27 14 13 16-0137 MLF 24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	4,041.14	1,194.73
27 14 13 16-0138 MLF 1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	737.71	396.96
27 14 13 16-0139 MLF 2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	856.07	411.07
27 14 13 16-0140 MLF 3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	970.63	425.17
27 14 13 16-0141 MLF 4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,041.24	439.93
27 14 13 16-0142 MLF 5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,136.86	469.43
27 14 13 16-0143 MLF 6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,245.72	498.92
27 14 13 16-0144 MLF 8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,395.37	557.92
27 14 13 16-0145 MLF 12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,935.23	735.56
27 14 13 16-0146 MLF 24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	2,950.43	1,086.35
27 14 13 16-0147 MLF 25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	3,121.97	1,112.00
27 14 13 16-0148 MLF 36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	3,694.00	1,294.76
27 14 13 16-0149 MLF 40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	3,982.50	1,385.83
27 14 13 16-0150 MLF 50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	4,780.59	1,732.12
27 14 13 16-0151 MLF 100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	6,480.68	2,280.42
27 14 13 16-0152 MLF 250 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	12,603.27	4,200.44
27 14 13 16-0153 MLF 500 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	19,256.68	5,558.70
27 14 13 16-0154 MLF 750 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	25,919.74	7,004.81
27 14 13 16-0155 MLF 1200 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	36,582.06	9,608.44
27 14 13 16-0156 MLF 1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	710.13	396.96
27 14 13 16-0157 MLF 2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	794.39	411.07
27 14 13 16-0158 MLF 3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	876.22	425.17
27 14 13 16-0159 MLF 4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	930.17	439.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0160 MLF 5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,009.14	469.43
27 14 13 16-0161 MLF 6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,096.33	498.92
27 14 13 16-0162 MLF 8 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,227.63	557.92
27 14 13 16-0163 MLF 12 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,679.51	735.56
27 14 13 16-0164 MLF 24 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	2,539.64	1,086.35
27 14 13 16-0165 MLF 25 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	2,664.85	1,112.00
27 14 13 16-0166 MLF 36 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	3,152.41	1,294.76
27 14 13 16-0167 MLF 40 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	3,379.82	1,385.83
27 14 13 16-0168 MLF 50 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	4,098.08	1,732.12
27 14 13 16-0169 MLF 100 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	5,514.87	2,280.42
27 14 13 16-0170 MLF 250 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	10,559.35	4,200.44
27 14 13 16-0171 MLF 500 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	15,648.10	5,558.70
27 14 13 16-0172 MLF 750 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	20,776.11	7,004.81
27 14 13 16-0173 MLF 1200 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	29,156.29	9,608.44
27 14 13 16-0174 Non-Shielded Plenum Rated, Low Voltage Cable, Pulled In Conduit (27 14 13 16-0001)		
27 14 13 16-0175 MLF 1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,005.37	495.71
27 14 13 16-0176 MLF 2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,176.64	513.67
27 14 13 16-0177 MLF 3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,280.11	531.62
27 14 13 16-0178 MLF 4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,421.20	549.59
27 14 13 16-0179 MLF 5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,582.03	586.14
27 14 13 16-0180 MLF 6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,741.57	623.33
27 14 13 16-0181 MLF 8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,124.22	697.72
27 14 13 16-0182 MLF 12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,752.48	918.97
27 14 13 16-0183 MLF 24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	4,112.27	1,357.61
27 14 13 16-0184 MLF 1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	879.16	436.07
27 14 13 16-0185 MLF 2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,025.96	452.11
27 14 13 16-0186 MLF 3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,115.12	468.14
27 14 13 16-0187 MLF 4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,235.73	483.53
27 14 13 16-0188 MLF 5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,374.06	516.24
27 14 13 16-0189 MLF 6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,511.76	548.95
27 14 13 16-0190 MLF 8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,840.19	613.71
27 14 13 16-0191 MLF 12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,385.37	808.67
27 14 13 16-0192 MLF 24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,562.98	1,194.73
27 14 13 16-0193 MLF 1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	768.42	396.96
27 14 13 16-0194 MLF 2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	894.47	411.07
27 14 13 16-0195 MLF 3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	981.06	425.17
27 14 13 16-0196 MLF 4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,142.76	439.93
27 14 13 16-0197 MLF 5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,277.95	469.43
27 14 13 16-0198 MLF 6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,549.08	498.92
27 14 13 16-0199 MLF 8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,731.17	557.92
27 14 13 16-0200 MLF 12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,174.74	735.56
27 14 13 16-0201 MLF 24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,289.68	1,086.35
27 14 13 16-0202 MLF 25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,498.62	1,112.00
27 14 13 16-0203 MLF 36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	4,174.15	1,294.76
27 14 13 16-0204 MLF 40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	4,479.08	1,385.83
27 14 13 16-0205 MLF 50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	5,342.95	1,732.12
27 14 13 16-0206 MLF 100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	7,276.48	2,280.42
27 14 13 16-0207 MLF 250 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	14,287.83	4,200.44
27 14 13 16-0208 MLF 500 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	22,230.61	5,558.70
27 14 13 16-0209 MLF 750 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	30,158.27	7,004.81
27 14 13 16-0210 MLF 1200 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	42,701.21	9,607.80
27 14 13 16-0211 MLF 1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	729.77	396.96
27 14 13 16-0212 MLF 2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	818.96	411.07
27 14 13 16-0213 MLF 3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	882.90	425.17
27 14 13 16-0214 MLF 4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	995.11	439.93
27 14 13 16-0215 MLF 5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,099.39	469.43
27 14 13 16-0216 MLF 6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,290.38	498.92
27 14 13 16-0217 MLF 8 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,442.45	557.92
27 14 13 16-0218 MLF 12 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,832.72	735.56
27 14 13 16-0219 MLF 24 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,756.65	1,086.35
27 14 13 16-0220 MLF 25 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,905.78	1,112.00
27 14 13 16-0221 MLF 36 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,447.66	1,294.76
27 14 13 16-0222 MLF 40 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,697.48	1,385.83
27 14 13 16-0223 MLF 50 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	4,457.81	1,732.12
27 14 13 16-0224 MLF 100 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	6,023.92	2,280.42
27 14 13 16-0225 MLF 250 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	11,636.84	4,200.44
27 14 13 16-0226 MLF 500 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	17,550.48	5,558.70
27 14 13 16-0227 MLF 750 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	23,487.71	7,004.81
27 14 13 16-0228 MLF 1200 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	33,071.23	9,608.44

27 14 13 16-0229

Copper Telecommunications Cable (27 14 13 16)

27 14 13 16-0230

Indoor Telecommunications Cable (27 14 13 16-0229)

Note: Telecommunications cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Telecommunications cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. Shielded twisted pair cables (STP) include a metallic foil wrap. Un-shielded twisted pair cables (UTP) exclude any shielding.



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 14 13 16-0231	Category 3, Indoor Telecommunications Cable (27 14 13 16-0230) Note: Un-shielded twisted pair cables (UTP).		
27 14 13 16-0232	Category 3, Indoor Telecommunications Riser Cable (27 14 13 16-0231)		
27 14 13 16-0233	24 AWG, Category 3, Indoor Telecommunications Riser Cable (27 14 13 16-0232)		
27 14 13 16-0234	24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 14 13 16-0233)		
27 14 13 16-0235	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	571.87	294.61
27 14 13 16-0236	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	606.27	294.61
27 14 13 16-0237	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	618.31	294.61
27 14 13 16-0238	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	757.26	336.70
27 14 13 16-0239	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,010.13	336.70
27 14 13 16-0240	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,412.65	420.87
27 14 13 16-0241	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	2,313.26	673.40
27 14 13 16-0242	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	4,227.26	757.57
27 14 13 16-0243	MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	5,805.61	841.75
27 14 13 16-0244	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	7,801.96	1,178.45
27 14 13 16-0245	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	11,438.81	1,456.22
27 14 13 16-0246	MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	15,039.39	2,020.19
27 14 13 16-0247	MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	23,542.94	4,040.38
27 14 13 16-0248	MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	37,876.07	6,060.57
27 14 13 16-0249	MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	51,220.08	
27 14 13 16-0250	24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed (27 14 13 16-0233)		
27 14 13 16-0251	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,062.89	589.22
27 14 13 16-0252	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,097.29	589.22
27 14 13 16-0253	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,109.33	589.22
27 14 13 16-0254	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,178.14	589.22
27 14 13 16-0255	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,431.01	673.40
27 14 13 16-0256	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,973.82	841.75
27 14 13 16-0257	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	3,014.72	1,010.09
27 14 13 16-0258	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	4,788.42	1,136.35
27 14 13 16-0259	MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	6,436.92	1,262.62
27 14 13 16-0260	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	8,503.41	1,767.66
27 14 13 16-0261	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	12,420.85	2,188.54
27 14 13 16-0262	MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	16,259.91	3,030.28
27 14 13 16-0263	MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	25,226.43	6,060.57
27 14 13 16-0264	MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	41,243.05	9,090.86
27 14 13 16-0265	MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	56,270.56	
27 14 13 16-0266	22 AWG, Category 3, Indoor Telecommunications Riser Cable (27 14 13 16-0232)		
27 14 13 16-0267	22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 14 13 16-0266)		
27 14 13 16-0268	MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	2,373.71	336.70
27 14 13 16-0269	MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	3,578.79	420.87
27 14 13 16-0270	MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	6,586.65	673.40
27 14 13 16-0271	MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	11,888.42	841.75
27 14 13 16-0272	MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	17,610.80	1,178.45
27 14 13 16-0273	MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	22,980.71	1,456.22
27 14 13 16-0274	MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	33,967.74	2,020.19
27 14 13 16-0275	22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed (27 14 13 16-0266)		
27 14 13 16-0276	MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,934.88	673.40
27 14 13 16-0277	MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	4,280.25	841.75
27 14 13 16-0278	MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	7,147.81	1,010.09
27 14 13 16-0279	MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	12,589.87	1,262.62
27 14 13 16-0280	MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	18,592.84	1,767.66
27 14 13 16-0281	MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	24,201.23	2,188.54
27 14 13 16-0282	MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	35,651.23	3,030.28
27 14 13 16-0283	Category 3, Indoor Telecommunications Plenum Cable (27 14 13 16-0231)		
27 14 13 16-0284	24 AWG, Category 3, Indoor Telecommunications Plenum Cable (27 14 13 16-0283)		
27 14 13 16-0285	24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit (27 14 13 16-0284)		
27 14 13 16-0286	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	594.24	294.61
27 14 13 16-0287	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	628.63	294.61
27 14 13 16-0288	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	652.72	294.61
27 14 13 16-0289	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	793.39	336.70
27 14 13 16-0290	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,056.57	336.70



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0291 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,773.88	336.70
27 14 13 16-0292 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	3,037.46	420.87
27 14 13 16-0293 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	5,796.05	673.40
27 14 13 16-0294 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	10,193.02	841.75
27 14 13 16-0295 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	15,317.80	1,178.45
27 14 13 16-0296 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0284)</small>		
27 14 13 16-0297 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,085.26	589.22
27 14 13 16-0298 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,119.65	589.22
27 14 13 16-0299 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,143.74	589.22
27 14 13 16-0300 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,214.27	589.22
27 14 13 16-0301 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,477.45	589.22
27 14 13 16-0302 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,335.05	673.40
27 14 13 16-0303 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	3,738.92	841.75
27 14 13 16-0304 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	6,357.21	1,010.09
27 14 13 16-0305 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	10,894.47	1,262.62
27 14 13 16-0306 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	16,299.84	1,767.66
27 14 13 16-0307 Category 5E, Indoor Telecommunications Cable <small>(27 14 13 16-0230)</small>		
27 14 13 16-0308 Category 5E, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0307)</small>		
27 14 13 16-0309 Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0306)</small>		
27 14 13 16-0310 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	680.24	294.61
27 14 13 16-0311 MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	724.68	294.61
27 14 13 16-0312 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	795.69	336.70
27 14 13 16-0313 MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	840.40	336.70
27 14 13 16-0314 Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0308)</small>		
27 14 13 16-0315 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,171.26	589.22
27 14 13 16-0316 MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,215.70	589.22
27 14 13 16-0317 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,356.86	673.40
27 14 13 16-0318 MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,401.57	673.40
27 14 13 16-0319 Category 5E, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0307)</small>		
27 14 13 16-0320 Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0319)</small>		
27 14 13 16-0321 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	828.17	294.61
27 14 13 16-0322 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,229.60	336.70
27 14 13 16-0323 Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0319)</small>		
27 14 13 16-0324 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	1,319.19	589.22
27 14 13 16-0325 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	1,790.77	673.40
27 14 13 16-0326 Category 6, Indoor Telecommunications Cable <small>(27 14 13 16-0230)</small>		
27 14 13 16-0327 Category 6, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0326)</small>		
27 14 13 16-0328 Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0327)</small>		
27 14 13 16-0329 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	790.33	294.61
27 14 13 16-0330 MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	823.79	294.61
27 14 13 16-0331 Category 6, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0327)</small>		
27 14 13 16-0332 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	1,281.35	589.22
27 14 13 16-0333 MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,314.81	589.22
27 14 13 16-0334 Category 6, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0326)</small>		
27 14 13 16-0335 Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0334)</small>		
27 14 13 16-0336 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,099.96	294.61
27 14 13 16-0337 Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0334)</small>		
27 14 13 16-0338 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,590.98	589.22
27 14 13 16-0339 Category 6a, Indoor Telecommunications Cable <small>(27 14 13 16-0230)</small>		

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27 14 13 16-0340 Category 6a, Indoor Telecommunications Riser Cable (27 14 13 16-0339)		
27 14 13 16-0341 Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit (27 14 13 16-0340)		
27 14 13 16-0342 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed In Conduit	843.80	294.61
27 14 13 16-0343 Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed (27 14 13 16-0340)		
27 14 13 16-0344 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,334.82	589.22
27 14 13 16-0345 Category 6a, Indoor Telecommunications Plenum Cable (27 14 13 16-0339)		
27 14 13 16-0346 Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit (27 14 13 16-0345)		
27 14 13 16-0347 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,258.23	294.61
27 14 13 16-0348 Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed (27 14 13 16-0345)		
27 14 13 16-0349 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,749.25	589.22
27 14 13 16-0350 Category 7, Indoor Telecommunications Cable (27 14 13 16-0230)		
27 14 13 16-0351 Category 7, Indoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0350)		
27 14 13 16-0352 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit	1,921.14	336.70
27 14 13 16-0353 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	3,880.95	336.70
27 14 13 16-0354 Category 7, Indoor Telecommunications Cable, Installed Exposed (27 14 13 16-0350)		
27 14 13 16-0355 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,482.31	673.40
27 14 13 16-0356 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed.....	4,442.12	673.40
27 14 13 16-0357 Outdoor Telecommunications Cable (27 14 13 16-0229) Note: Telecommunications cable installed in conduit includes pull wires and installation in conduit, innerduct, etc. Telecommunications cable buried in trench excludes excavation.		
27 14 13 16-0358 PE-89 Outdoor Telecommunications Cable (27 14 13 16-0357) Note: Includes foam-skin polyolefin insulated conductors.		
27 14 13 16-0359 24 AWG, PE-89 Outdoor Telecommunications Cable (27 14 13 16-0358)		
27 14 13 16-0360 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0359)		
27 14 13 16-0361 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,302.35	589.22
27 14 13 16-0362 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,437.83	589.22
27 14 13 16-0363 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,729.69	589.22
27 14 13 16-0364 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,285.69	589.22
27 14 13 16-0365 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,838.32	589.22
27 14 13 16-0366 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,392.24	589.22
27 14 13 16-0367 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	5,836.14	757.57
27 14 13 16-0368 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,568.16	1,094.27
27 14 13 16-0369 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	11,342.30	1,430.96
27 14 13 16-0370 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	15,399.71	1,936.02
27 14 13 16-0371 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	24,788.75	3,872.03
27 14 13 16-0372 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	34,130.16	5,723.88
27 14 13 16-0373 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0359)		
27 14 13 16-0374 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,091.91	
27 14 13 16-0375 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,227.39	
27 14 13 16-0376 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,519.25	
27 14 13 16-0377 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,075.25	
27 14 13 16-0378 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,627.88	
27 14 13 16-0379 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	3,181.80	
27 14 13 16-0380 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	5,695.85	
27 14 13 16-0381 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	8,147.29	
27 14 13 16-0382 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	10,465.48	
27 14 13 16-0383 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	13,856.51	
27 14 13 16-0384 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	20,580.03	
27 14 13 16-0385 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	27,957.35	
27 14 13 16-0386 22 AWG, PE-89 Outdoor Telecommunications Cable (27 14 13 16-0358)		
27 14 13 16-0387 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0386)		
27 14 13 16-0388 MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,388.48	589.22
27 14 13 16-0389 MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,598.75	589.22
27 14 13 16-0390 MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,059.07	589.22



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27 14 13 16-0391 MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,871.96	589.22
27 14 13 16-0392 MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,754.50	589.22
27 14 13 16-0393 MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,637.76	589.22
27 14 13 16-0394 MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,238.92	757.57
27 14 13 16-0395 MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	11,995.01	1,094.27
27 14 13 16-0396 MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	15,961.99	1,430.96
27 14 13 16-0397 MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	23,467.13	1,936.02
27 14 13 16-0398 MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	34,977.24	3,872.03
27 14 13 16-0399 MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	49,373.07	5,723.88
27 14 13 16-0400 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench <small>(27 14 13 16-0386)</small>		
27 14 13 16-0401 MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,178.04	
27 14 13 16-0402 MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,388.31	
27 14 13 16-0403 MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,848.63	
27 14 13 16-0404 MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,661.52	
27 14 13 16-0405 MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,544.06	
27 14 13 16-0406 MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,427.32	
27 14 13 16-0407 MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	8,098.63	
27 14 13 16-0408 MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	11,574.14	
27 14 13 16-0409 MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	15,085.17	
27 14 13 16-0410 MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	21,923.93	
27 14 13 16-0411 MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	30,768.52	
27 14 13 16-0412 MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	43,200.26	
27 14 13 16-0413 19 AWG, PE-89 Outdoor Telecommunications Cable <small>(27 14 13 16-0358)</small>		
27 14 13 16-0414 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0413)</small>		
27 14 13 16-0415 MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,074.50	589.22
27 14 13 16-0416 MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,856.80	589.22
27 14 13 16-0417 MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,285.15	589.22
27 14 13 16-0418 MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,569.14	589.22
27 14 13 16-0419 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench <small>(27 14 13 16-0413)</small>		
27 14 13 16-0420 MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,864.06	
27 14 13 16-0421 MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,646.36	
27 14 13 16-0422 MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,074.71	
27 14 13 16-0423 MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	8,358.70	
27 14 13 16-0424 PE-39 Outdoor Telecommunications Cable <small>(27 14 13 16-0357)</small>		
Note: Includes solid polyolefin insulated conductors.		
27 14 13 16-0425 24 AWG, PE-39 Outdoor Telecommunications Cable <small>(27 14 13 16-0424)</small>		
27 14 13 16-0426 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0425)</small>		
27 14 13 16-0427 MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,314.46	589.22
27 14 13 16-0428 MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,480.21	589.22
27 14 13 16-0429 MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,814.60	589.22
27 14 13 16-0430 MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,416.77	589.22
27 14 13 16-0431 MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,638.07	589.22
27 14 13 16-0432 MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	6,398.35	757.57
27 14 13 16-0433 MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,335.04	1,094.27
27 14 13 16-0434 MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	12,276.74	1,430.96
27 14 13 16-0435 MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	16,764.06	1,936.02
27 14 13 16-0436 MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	26,553.19	3,872.03
27 14 13 16-0437 MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	38,706.39	5,723.88
27 14 13 16-0438 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench <small>(27 14 13 16-0425)</small>		
27 14 13 16-0439 MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,104.02	
27 14 13 16-0440 MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,269.77	
27 14 13 16-0441 MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,604.16	
27 14 13 16-0442 MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,206.33	
27 14 13 16-0443 MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,427.63	
27 14 13 16-0444 MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	6,258.06	
27 14 13 16-0445 MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	8,914.17	
27 14 13 16-0446 MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	11,399.92	
27 14 13 16-0447 MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	15,220.86	
27 14 13 16-0448 MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	22,344.47	
27 14 13 16-0449 MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	32,533.58	
27 14 13 16-0450 22 AWG, PE-39 Outdoor Telecommunications Cable <small>(27 14 13 16-0424)</small>		
27 14 13 16-0451 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0450)</small>		
27 14 13 16-0452 MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,410.29	589.22

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27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0453 MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,653.85	589.22
27 14 13 16-0454 MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,172.16	589.22
27 14 13 16-0455 MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,125.66	589.22
27 14 13 16-0456 MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,115.50	589.22
27 14 13 16-0457 MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,241.63	757.57
27 14 13 16-0458 MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	13,532.08	1,094.27
27 14 13 16-0459 MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	17,352.97	1,430.96
27 14 13 16-0460 MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	24,201.91	1,936.02
27 14 13 16-0461 MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	38,596.79	3,872.03
27 14 13 16-0462 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0450)		
27 14 13 16-0463 MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,199.85	
27 14 13 16-0464 MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,443.41	
27 14 13 16-0465 MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,961.72	
27 14 13 16-0466 MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,915.22	
27 14 13 16-0467 MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	4,905.06	
27 14 13 16-0468 MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	9,101.34	
27 14 13 16-0469 MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	13,111.21	
27 14 13 16-0470 MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	16,476.15	
27 14 13 16-0471 MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	22,658.71	
27 14 13 16-0472 MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	34,388.07	
27 14 13 16-0473 19 AWG, PE-39 Outdoor Telecommunications Cable (27 14 13 16-0424)		
27 14 13 16-0474 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0473)		
27 14 13 16-0475 MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,320.33	589.22
27 14 13 16-0476 MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,254.17	589.22
27 14 13 16-0477 MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,264.26	589.22
27 14 13 16-0478 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0473)		
27 14 13 16-0479 MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	3,109.89	
27 14 13 16-0480 MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	5,043.73	
27 14 13 16-0481 MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	9,053.82	
27 14 13 16-0482 (Aerial) Outdoor Telecommunications Cable (27 14 13 16-0357)		
Note: Includes support wire.		
27 14 13 16-0483 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 14 13 16-0482)		
27 14 13 16-0484 MLF 6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	3,965.63	1,201.04
27 14 13 16-0485 MLF 12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,103.54	1,201.04
27 14 13 16-0486 MLF 25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,445.95	1,201.04
27 14 13 16-0487 MLF 50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,079.91	1,201.04
27 14 13 16-0488 MLF 100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,304.39	1,201.04
27 14 13 16-0489 MLF 200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,031.04	1,321.14
27 14 13 16-0490 MLF 300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,772.86	1,441.25
27 14 13 16-0491 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 14 13 16-0482)		
27 14 13 16-0492 MLF 6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,130.63	1,201.04
27 14 13 16-0493 MLF 12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,334.38	1,201.04
27 14 13 16-0494 MLF 25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,825.15	1,201.04
27 14 13 16-0495 MLF 50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,794.70	1,201.04
27 14 13 16-0496 MLF 100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,077.84	1,201.04
27 14 13 16-0497 MLF 200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	12,100.29	1,321.14
27 14 13 16-0498 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 14 13 16-0482)		
27 14 13 16-0499 MLF 6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,348.77	1,201.04
27 14 13 16-0500 MLF 12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,809.55	1,201.04
27 14 13 16-0501 MLF 25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,715.53	1,201.04
27 14 13 16-0502 MLF 50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,527.49	1,201.04
27 14 13 16-0503 MLF 100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,317.73	1,201.04
27 14 23 Communications Optical Fiber Cabling (27 14)		
27 14 23 13 Communications Optical Fiber Splicing And Terminations (27 14 23)		
27 14 23 13-0001 Fiber Optic Cable Connectors (27 14 23 13)		
27 14 23 13-0002 EA ST Connector For Multimode Fiber Optic Cable	20.43	
27 14 23 13-0003 EA ST Connector For Singlemode Fiber Optic Cable.....	23.61	
27 14 23 13-0004 EA SC Connector For Multimode Fiber Optic Cable.....	22.78	
27 14 23 13-0005 EA SC Connector For Singlemode Fiber Optic Cable	26.84	
27 14 23 13-0006 EA LC Connector For Multimode Fiber Optic Cable	31.17	



Communications	27	27
Structured Cabling	27 10	
Communications Cabling	27 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 13-0007 EA LC Connector For Singlemode Fiber Optic Cable.....	32.12	
27 14 23 13-0008 EA MT-RJ Connector For Multimode Fiber Optic Cable.....	46.77	
27 14 23 13-0009 Fiber Optic Cable Fan Out Kits (27 14 23 13)		
27 14 23 13-0010 Buffer Tube Fan Out Kits For Fiber Optic Cable (27 14 23 13-0009)		
27 14 23 13-0011 EA 6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	165.38	
27 14 23 13-0012 EA 12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	168.83	
27 14 23 13-0013 EA 6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	207.72	
27 14 23 13-0014 EA 12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	241.49	
27 14 23 13-0015 Spider Fan Out Kits For Fiber Optic Cable (27 14 23 13-0009)		
Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 14 23 13-0016 EA 6-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	208.82	
27 14 23 13-0017 EA 12-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	234.18	
27 14 23 13-0018 EA 18-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	320.85	
27 14 23 13-0019 EA 24-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	416.36	
27 14 23 13-0020 Fiber Optic Cable Splice Closures (27 14 23 13)		
Note: Includes mounting hardware. Excludes splicing and splice trays.		
27 14 23 13-0021 EA Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	509.58	70.15
27 14 23 13-0022 EA Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	649.87	140.29
27 14 23 13-0023 EA Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	649.87	140.29
27 14 23 13-0024 EA Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	843.73	70.15
27 14 23 13-0025 EA Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	984.02	140.29
27 14 23 13-0026 EA Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	984.02	140.29
27 14 23 13-0027 EA Splice Tray For Fiber Optic Cable Splice Closure.....	36.15	8.76
Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.		
27 14 23 13-0028 Fiber Optic Cable Testing (27 14 23 13)		
Note: Price based on testing one wavelength.		
27 14 23 13-0029 Fiber Optic Cable Testing Using An OTDR (27 14 23 13-0028)		
Note: Testing using an optical time domain reflectometer.		
27 14 23 13-0030 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test.....	14.03	
For >12 To 48 Strands, Deduct		-1.05
For >48 Strands, Deduct		-1.40
27 14 23 13-0031 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test.....	21.05	
For >12 To 48 Strands, Deduct		-1.58
For >48 Strands, Deduct		-2.11
27 14 23 13-0032 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation.....	35.07	
For >12 To 48 Strands, Deduct		-2.63
For >48 Strands, Deduct		-3.51
27 14 23 13-0033 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation.....	52.61	
For >12 To 48 Strands, Deduct		-3.95
For >48 Strands, Deduct		-5.26
27 14 23 13-0034 Fiber Optic Cable Testing Using A Power Meter (27 14 23 13-0028)		
27 14 23 13-0035 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test.....	14.03	
For >12 To 48 Strands, Deduct		-1.05
For >48 Strands, Deduct		-1.40
27 14 23 13-0036 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test.....	21.05	
For >12 To 48 Strands, Deduct		-1.58
For >48 Strands, Deduct		-2.11
27 14 23 13-0037 Fiber Optic Cable Light Source/Continuity Testing (27 14 23 13-0028)		
27 14 23 13-0038 EA Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test.....	14.03	
For >12 To 48 Strands, Deduct		-1.05
For >48 Strands, Deduct		-1.40
27 14 23 13-0039 Fiber Optic Cable Splicing (27 14 23 13)		
27 14 23 13-0040 EA Single Strand, Fusion Splice Of Fiber Optic Cable.....	21.05	
27 14 23 13-0041 EA 12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable.....	70.15	
27 14 23 13-0042 Other Fiber Optic Cable Splicing (27 14 23 13)		
27 14 23 13-0043 EA Fiber Optic Finger Splice.....	23.43	13.18
27 14 23 13-0044 EA Fiber Optic Splice Box - Manholes.....	3,348.10	
27 14 23 16 Communications Optical Fiber Cabling (27 14 23)		

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MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 14 23 16-0001	Indoor Fiber Optic Cable ^(27 14 23 16)		
	Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.		
27 14 23 16-0002	Indoor Fiber Optic Cable, Installed In Conduit ^(27 14 23 16-0001)		
	Note: Excludes conduit or innerduct.		
27 14 23 16-0003	Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit ^(27 14 23 16-0002)		
27 14 23 16-0004	Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit ^(27 14 23 16-0003)		
27 14 23 16-0005	Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit ^(27 14 23 16-0004)		
27 14 23 16-0006	MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	687.46	252.53
27 14 23 16-0007	MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	767.80	252.53
27 14 23 16-0008	MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	794.63	252.53
27 14 23 16-0009	MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	890.16	252.53
	For Aluminum Armored Cable, Add	1,173.16	
	For Steel Armored Cable, Add	1,246.15	
27 14 23 16-0010	MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	917.55	252.53
27 14 23 16-0011	MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,083.11	252.53
	For Aluminum Armored Cable, Add	1,213.20	
	For Steel Armored Cable, Add	1,294.36	
27 14 23 16-0012	MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,954.64	294.61
27 14 23 16-0013	MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,839.06	294.61
	For Aluminum Armored Cable With Sub-Units, Add	1,517.83	
	For Steel Armored Cable, Add	1,486.52	
27 14 23 16-0014	MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,511.22	294.61
	For Aluminum Armored Cable With Sub-Units, Add	1,600.08	
	For Steel Armored Cable, Add	1,423.75	
27 14 23 16-0015	MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,641.59	294.61
	For Aluminum Armored Cable With Sub-Units, Add	1,678.80	
	For Steel Armored Cable, Add	1,492.07	
27 14 23 16-0016	MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,463.69	294.61
27 14 23 16-0017	MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,682.31	294.61
27 14 23 16-0018	MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,832.28	294.61
27 14 23 16-0019	MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,879.24	336.70
27 14 23 16-0020	MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,447.40	336.70
27 14 23 16-0021	50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit ^(27 14 23 16-0004)		
27 14 23 16-0022	MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	710.59	252.53
27 14 23 16-0023	MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	807.06	252.53
27 14 23 16-0024	MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	937.21	252.53
27 14 23 16-0025	MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,148.45	252.53
	For Aluminum Armored Cable, Add	1,154.47	
	For Steel Armored Cable, Add	1,224.14	
27 14 23 16-0026	MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,252.99	252.53
27 14 23 16-0027	MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,655.04	252.53
	For Aluminum Armored Cable, Add	1,184.55	
	For Steel Armored Cable, Add	1,262.02	
27 14 23 16-0028	MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,313.71	294.61
27 14 23 16-0029	MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,777.97	294.61
	For Aluminum Armored Cable With Sub-Units, Add	1,660.25	
	For Steel Armored Cable, Add	1,630.38	
27 14 23 16-0030	MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,863.51	294.61
27 14 23 16-0031	MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,828.89	294.61
	For Aluminum Armored Cable With Sub-Units, Add	1,786.09	
27 14 23 16-0032	MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,763.66	294.61
27 14 23 16-0033	MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,757.17	294.61
27 14 23 16-0034	MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,981.58	294.61
	For Aluminum Armored Cable With Sub-Units, Add	1,319.14	
27 14 23 16-0035	MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,674.60	336.70
27 14 23 16-0036	MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,065.45	336.70



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Structured Cabling	27 10
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0037 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0004)</small>		
27 14 23 16-0038 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	725.08	252.53
27 14 23 16-0039 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	826.36	252.53
27 14 23 16-0040 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	963.03	252.53
27 14 23 16-0041 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,184.83	252.53
27 14 23 16-0042 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,294.59	252.53
27 14 23 16-0043 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,716.75	252.53
27 14 23 16-0044 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,454.84	294.61
27 14 23 16-0045 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,942.31	294.61
27 14 23 16-0046 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,082.13	294.61
27 14 23 16-0047 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,095.78	294.61
27 14 23 16-0048 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,077.29	294.61
27 14 23 16-0049 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,120.48	294.61
27 14 23 16-0050 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,456.10	294.61
27 14 23 16-0051 MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,380.27	336.70
27 14 23 16-0052 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,990.66	336.70
27 14 23 16-0053 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0003)</small>		
27 14 23 16-0054 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0053)</small>		
27 14 23 16-0055 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,432.09	252.53
27 14 23 16-0056 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,731.73	252.53
27 14 23 16-0057 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,390.91	252.53
27 14 23 16-0058 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,705.49	252.53
27 14 23 16-0059 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,848.65	252.53
27 14 23 16-0060 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,097.75	294.61
27 14 23 16-0061 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,478.53	294.61
27 14 23 16-0062 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,217.58	294.61
27 14 23 16-0063 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,352.42	294.61
27 14 23 16-0064 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0053)</small>		
27 14 23 16-0065 MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,722.61	252.53
27 14 23 16-0066 MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,867.08	252.53
27 14 23 16-0067 MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,458.39	252.53
27 14 23 16-0068 MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,034.47	252.53
27 14 23 16-0069 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,737.61	252.53
27 14 23 16-0070 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,881.87	294.61
27 14 23 16-0071 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,324.97	294.61
27 14 23 16-0072 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,586.35	294.61
27 14 23 16-0073 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,513.58	294.61
27 14 23 16-0074 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0053)</small>		
27 14 23 16-0075 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,787.70	252.53
27 14 23 16-0076 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,939.39	252.53
27 14 23 16-0077 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,560.27	252.53
27 14 23 16-0078 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,165.15	252.53
27 14 23 16-0079 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,903.45	252.53

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0080 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,101.41	294.61
27 14 23 16-0081 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,616.67	294.61
27 14 23 16-0082 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,041.11	294.61
27 14 23 16-0083 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,114.71	294.61
27 14 23 16-0084 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <i>(27 14 23 16-0082)</i>		
27 14 23 16-0085 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <i>(27 14 23 16-0084)</i>		
27 14 23 16-0086 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <i>(27 14 23 16-0085)</i>		
27 14 23 16-0087 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	629.96	252.53
27 14 23 16-0088 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	633.12	252.53
27 14 23 16-0089 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	798.75	252.53
27 14 23 16-0090 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	818.14	252.53
<i>For Aluminum Armored Cable, Add</i>	897.57	
<i>For Steel Armored Cable, Add</i>	1,501.91	
27 14 23 16-0091 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	915.71	252.53
27 14 23 16-0092 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	933.96	252.53
<i>For Aluminum Armored Cable, Add</i>	962.09	
<i>For Steel Armored Cable, Add</i>	1,566.37	
27 14 23 16-0093 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,163.72	294.61
27 14 23 16-0094 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,790.99	294.61
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	625.78	
<i>For Steel Armored Cable, Add</i>	715.02	
27 14 23 16-0095 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,451.28	294.61
27 14 23 16-0096 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,568.24	294.61
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	120.01	
<i>For Steel Armored Cable, Add</i>	260.61	
27 14 23 16-0097 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,520.00	294.61
27 14 23 16-0098 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,536.19	294.61
27 14 23 16-0099 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,648.03	294.61
27 14 23 16-0100 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <i>(27 14 23 16-0085)</i>		
27 14 23 16-0101 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	709.04	252.53
27 14 23 16-0102 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	699.35	252.53
27 14 23 16-0103 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	940.59	252.53
27 14 23 16-0104 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,033.86	252.53
<i>For Aluminum Armored Cable, Add</i>	1,011.09	
<i>For Steel Armored Cable, Add</i>	1,615.40	
27 14 23 16-0105 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,251.47	252.53
27 14 23 16-0106 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,534.35	252.53
<i>For Aluminum Armored Cable, Add</i>	1,020.17	
<i>For Steel Armored Cable, Add</i>	1,624.44	
27 14 23 16-0107 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,940.97	294.61
27 14 23 16-0108 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,254.60	294.61
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	286.22	
<i>For Steel Armored Cable, Add</i>	568.31	
27 14 23 16-0109 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,408.47	294.61
27 14 23 16-0110 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,181.84	294.61
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	140.24	
27 14 23 16-0111 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,176.97	294.61
27 14 23 16-0112 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,723.30	294.61
27 14 23 16-0113 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,885.89	294.61
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,183.24	
27 14 23 16-0114 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <i>(27 14 23 16-0085)</i>		
27 14 23 16-0115 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	723.44	252.53



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27 14 23 16-0116 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	713.28	252.53
27 14 23 16-0117 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	966.58	252.53
27 14 23 16-0118 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,064.51	252.53
27 14 23 16-0119 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,293.00	252.53
27 14 23 16-0120 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,590.02	252.53
27 14 23 16-0121 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,113.47	294.61
27 14 23 16-0122 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,442.78	294.61
27 14 23 16-0123 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,704.34	294.61
27 14 23 16-0124 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,516.38	294.61
27 14 23 16-0125 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,561.27	294.61
27 14 23 16-0126 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,184.91	294.61
27 14 23 16-0127 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,505.64	294.61
 27 14 23 16-0128 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0084)</small>		
 27 14 23 16-0129 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0128)</small>		
27 14 23 16-0130 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,348.44	252.53
27 14 23 16-0131 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,713.00	252.53
27 14 23 16-0132 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,589.40	252.53
27 14 23 16-0133 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,448.30	252.53
27 14 23 16-0134 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,819.09	252.53
27 14 23 16-0135 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,341.18	294.61
27 14 23 16-0136 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,115.98	294.61
27 14 23 16-0137 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,698.24	294.61
27 14 23 16-0138 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,388.62	294.61
 27 14 23 16-0139 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0128)</small>		
27 14 23 16-0140 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,996.66	252.53
27 14 23 16-0141 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,773.11	252.53
27 14 23 16-0142 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,231.00	252.53
27 14 23 16-0143 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,870.82	252.53
27 14 23 16-0144 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,092.14	252.53
27 14 23 16-0145 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,763.66	294.61
27 14 23 16-0146 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,147.21	294.61
27 14 23 16-0147 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,959.09	294.61
27 14 23 16-0148 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,172.62	294.61
 27 14 23 16-0149 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0128)</small>		
27 14 23 16-0150 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,075.45	252.53
27 14 23 16-0151 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,890.72	252.53
27 14 23 16-0152 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,371.51	252.53
27 14 23 16-0153 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,043.32	252.53
27 14 23 16-0154 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,325.70	252.53
27 14 23 16-0155 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,077.29	294.61
27 14 23 16-0156 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,530.02	294.61
27 14 23 16-0157 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,532.49	294.61

27	Communications
27 10	Structured Cabling
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0158 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	16,956.70	294.61
27 14 23 16-0159 Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0001) Note: For non-conduit installations such as cable trays, surface runways, etc.		
27 14 23 16-0160 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0159)		
27 14 23 16-0161 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0160)		
27 14 23 16-0162 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0161)		
27 14 23 16-0163 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	827.75	336.70
27 14 23 16-0164 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	908.09	336.70
27 14 23 16-0165 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	934.92	336.70
27 14 23 16-0166 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,030.45	336.70
For Aluminum Armored Cable, Add	1,173.16	
For Steel Armored Cable, Add	1,246.15	
27 14 23 16-0167 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,057.84	336.70
27 14 23 16-0168 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,223.40	336.70
For Aluminum Armored Cable, Add	1,213.20	
For Steel Armored Cable, Add	1,294.36	
27 14 23 16-0169 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,094.93	378.78
27 14 23 16-0170 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,979.35	378.78
For Aluminum Armored Cable With Sub-Units, Add	1,517.83	
For Steel Armored Cable, Add	1,486.52	
27 14 23 16-0171 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,651.51	378.78
For Aluminum Armored Cable With Sub-Units, Add	1,600.08	
For Steel Armored Cable, Add	1,423.75	
27 14 23 16-0172 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,781.88	378.78
For Aluminum Armored Cable With Sub-Units, Add	1,678.80	
For Steel Armored Cable, Add	1,492.07	
27 14 23 16-0173 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,603.98	378.78
27 14 23 16-0174 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,822.60	378.78
27 14 23 16-0175 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,972.57	378.78
27 14 23 16-0176 MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,019.53	420.87
27 14 23 16-0177 MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,587.69	420.87
27 14 23 16-0178 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0161)		
27 14 23 16-0179 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	850.88	336.70
27 14 23 16-0180 MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	947.35	336.70
27 14 23 16-0181 MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,077.50	336.70
27 14 23 16-0182 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,288.74	336.70
For Aluminum Armored Cable, Add	1,154.47	
For Steel Armored Cable, Add	1,224.14	
27 14 23 16-0183 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,393.28	336.70
27 14 23 16-0184 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,795.33	336.70
For Aluminum Armored Cable, Add	1,184.55	
For Steel Armored Cable, Add	1,262.02	
27 14 23 16-0185 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,454.00	378.78
27 14 23 16-0186 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,918.26	378.78
For Aluminum Armored Cable With Sub-Units, Add	1,660.25	
For Steel Armored Cable, Add	1,630.38	
27 14 23 16-0187 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,003.80	378.78
27 14 23 16-0188 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,969.18	378.78
For Aluminum Armored Cable With Sub-Units, Add	1,786.09	
27 14 23 16-0189 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,903.95	378.78
27 14 23 16-0190 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,897.46	378.78
27 14 23 16-0191 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,121.87	378.78
For Aluminum Armored Cable With Sub-Units, Add	1,319.14	
27 14 23 16-0192 MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	14,814.89	420.87
27 14 23 16-0193 MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	19,205.74	420.87
27 14 23 16-0194 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0161)		
27 14 23 16-0195 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	865.37	336.70
27 14 23 16-0196 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	966.65	336.70
27 14 23 16-0197 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,103.32	336.70
27 14 23 16-0198 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,325.12	336.70
27 14 23 16-0199 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,434.88	336.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0200 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,857.04	336.70
27 14 23 16-0201 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,595.13	378.78
27 14 23 16-0202 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,082.60	378.78
27 14 23 16-0203 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,222.42	378.78
27 14 23 16-0204 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,236.07	378.78
27 14 23 16-0205 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,217.58	378.78
27 14 23 16-0206 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,260.77	378.78
27 14 23 16-0207 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,596.39	378.78
27 14 23 16-0208 MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,520.56	420.87
27 14 23 16-0209 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	20,130.95	420.87
27 14 23 16-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0160)</small>		
27 14 23 16-0211 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0210)</small>		
27 14 23 16-0212 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,572.38	336.70
27 14 23 16-0213 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,872.02	336.70
27 14 23 16-0214 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,531.20	336.70
27 14 23 16-0215 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,845.78	336.70
27 14 23 16-0216 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,988.94	336.70
27 14 23 16-0217 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,238.04	378.78
27 14 23 16-0218 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,618.82	378.78
27 14 23 16-0219 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,357.87	378.78
27 14 23 16-0220 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,492.71	378.78
27 14 23 16-0221 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0210)</small>		
27 14 23 16-0222 MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,862.90	336.70
27 14 23 16-0223 MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,007.37	336.70
27 14 23 16-0224 MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,598.68	336.70
27 14 23 16-0225 MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,174.76	336.70
27 14 23 16-0226 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,877.90	336.70
27 14 23 16-0227 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,022.16	378.78
27 14 23 16-0228 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,465.26	378.78
27 14 23 16-0229 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,726.64	378.78
27 14 23 16-0230 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,653.87	378.78
27 14 23 16-0231 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0210)</small>		
27 14 23 16-0232 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,927.99	336.70
27 14 23 16-0233 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,079.68	336.70
27 14 23 16-0234 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,700.56	336.70
27 14 23 16-0235 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,305.44	336.70
27 14 23 16-0236 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,043.74	336.70
27 14 23 16-0237 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,241.70	378.78
27 14 23 16-0238 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,756.96	378.78
27 14 23 16-0239 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,181.40	378.78
27 14 23 16-0240 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,255.00	378.78
27 14 23 16-0241 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0159)</small>		
27 14 23 16-0242 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0241)</small>		
27 14 23 16-0243 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0242)</small>		
27 14 23 16-0244 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	770.25	336.70
27 14 23 16-0245 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	773.41	336.70
27 14 23 16-0246 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	939.04	336.70

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0247 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	958.43	336.70
<i>For Aluminum Armored Cable, Add</i>	897.57	
<i>For Steel Armored Cable, Add</i>	1,501.91	
27 14 23 16-0248 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,056.00	336.70
27 14 23 16-0249 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,074.25	336.70
<i>For Aluminum Armored Cable, Add</i>	962.09	
<i>For Steel Armored Cable, Add</i>	1,566.37	
27 14 23 16-0250 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,304.01	378.78
27 14 23 16-0251 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,931.28	378.78
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	625.78	
<i>For Steel Armored Cable, Add</i>	715.02	
27 14 23 16-0252 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,591.57	378.78
27 14 23 16-0253 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,708.53	378.78
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	120.01	
<i>For Steel Armored Cable, Add</i>	260.61	
27 14 23 16-0254 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,660.29	378.78
27 14 23 16-0255 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,676.48	378.78
27 14 23 16-0256 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,788.32	378.78
27 14 23 16-0257 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed		
<i>(27 14 23 16-0242)</i>		
27 14 23 16-0258 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	849.33	336.70
27 14 23 16-0259 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	839.64	336.70
27 14 23 16-0260 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,080.88	336.70
27 14 23 16-0261 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,174.15	336.70
<i>For Aluminum Armored Cable, Add</i>	1,011.09	
<i>For Steel Armored Cable, Add</i>	1,615.40	
27 14 23 16-0262 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,391.76	336.70
27 14 23 16-0263 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,674.64	336.70
<i>For Aluminum Armored Cable, Add</i>	1,020.17	
<i>For Steel Armored Cable, Add</i>	1,624.44	
27 14 23 16-0264 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,081.26	378.78
27 14 23 16-0265 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,394.89	378.78
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	286.22	
<i>For Steel Armored Cable, Add</i>	568.31	
27 14 23 16-0266 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,548.76	378.78
27 14 23 16-0267 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,322.13	378.78
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	140.24	
27 14 23 16-0268 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,317.26	378.78
27 14 23 16-0269 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,863.59	378.78
27 14 23 16-0270 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,026.18	378.78
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,183.24	
27 14 23 16-0271 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed		
<i>(27 14 23 16-0242)</i>		
27 14 23 16-0272 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	863.73	336.70
27 14 23 16-0273 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	853.57	336.70
27 14 23 16-0274 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,106.87	336.70
27 14 23 16-0275 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,204.80	336.70
27 14 23 16-0276 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,433.29	336.70
27 14 23 16-0277 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,730.31	336.70
27 14 23 16-0278 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,253.76	378.78
27 14 23 16-0279 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,583.07	378.78
27 14 23 16-0280 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,844.63	378.78
27 14 23 16-0281 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,656.67	378.78
27 14 23 16-0282 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,701.56	378.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0283 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,325.20	378.78
27 14 23 16-0284 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,645.93	378.78
27 14 23 16-0285 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0241)		
27 14 23 16-0286 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0285)		
27 14 23 16-0287 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,488.73	336.70
27 14 23 16-0288 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,853.29	336.70
27 14 23 16-0289 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,729.69	336.70
27 14 23 16-0290 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,588.59	336.70
27 14 23 16-0291 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,959.38	336.70
27 14 23 16-0292 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,481.47	378.78
27 14 23 16-0293 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,256.27	378.78
27 14 23 16-0294 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,838.53	378.78
27 14 23 16-0295 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,528.91	378.78
27 14 23 16-0296 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0285)		
27 14 23 16-0297 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,136.95	336.70
27 14 23 16-0298 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,913.40	336.70
27 14 23 16-0299 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,371.29	336.70
27 14 23 16-0300 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,011.11	336.70
27 14 23 16-0301 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,232.43	336.70
27 14 23 16-0302 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,903.95	378.78
27 14 23 16-0303 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,287.50	378.78
27 14 23 16-0304 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,099.38	378.78
27 14 23 16-0305 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,312.91	378.78
27 14 23 16-0306 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0285)		
27 14 23 16-0307 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,215.74	336.70
27 14 23 16-0308 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,031.01	336.70
27 14 23 16-0309 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,511.80	336.70
27 14 23 16-0310 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,183.61	336.70
27 14 23 16-0311 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,465.99	336.70
27 14 23 16-0312 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,217.58	378.78
27 14 23 16-0313 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,670.31	378.78
27 14 23 16-0314 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,672.78	378.78
27 14 23 16-0315 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,096.99	378.78
27 14 23 16-0316 Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0001) Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 14 23 16-0317 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0316)		
27 14 23 16-0318 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,073.81	252.53
27 14 23 16-0319 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,680.43	252.53
27 14 23 16-0320 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,935.62	294.61
27 14 23 16-0321 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	3,647.59	294.61
27 14 23 16-0322 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0316)		
27 14 23 16-0323 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,288.95	252.53

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0324 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,991.26	252.53
27 14 23 16-0325 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	3,356.94	294.61
27 14 23 16-0326 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	9,960.92	294.61
27 14 23 16-0327 Hybrid, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0001)</small> Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.		
27 14 23 16-0328 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0327)</small>		
27 14 23 16-0329 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,214.10	336.70
27 14 23 16-0330 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,820.72	336.70
27 14 23 16-0331 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	3,075.91	378.78
27 14 23 16-0332 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	3,787.88	378.78
27 14 23 16-0333 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0327)</small>		
27 14 23 16-0334 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,429.24	336.70
27 14 23 16-0335 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,131.55	336.70
27 14 23 16-0336 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	3,497.23	378.78
27 14 23 16-0337 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	10,101.21	378.78
27 14 23 16-0338 Outdoor Fiber Optic Cable <small>(27 14 23 16)</small>		
27 14 23 16-0339 Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0338)</small> Note: Excludes conduit or innerduct.		
27 14 23 16-0340 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0339)</small>		
27 14 23 16-0341 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0340)</small>		
27 14 23 16-0342 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,062.68	505.05
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	118.66	
27 14 23 16-0343 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,075.23	505.05
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	118.84	
27 14 23 16-0344 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,087.95	505.05
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	118.82	
27 14 23 16-0345 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,100.50	505.05
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	119.00	
27 14 23 16-0346 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,125.75	505.05
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	119.18	
27 14 23 16-0347 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,185.70	505.05
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	115.00	
27 14 23 16-0348 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,223.34	505.05
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	115.52	
27 14 23 16-0349 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,312.89	505.05
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	122.32	
27 14 23 16-0350 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,407.16	505.05
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	123.54	
27 14 23 16-0351 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,500.02	505.05
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	124.76	
27 14 23 16-0352 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,622.52	505.05
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	150.02	
27 14 23 16-0353 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,864.36	505.05
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	161.00	
27 14 23 16-0354 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,107.42	505.05
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	190.63	
27 14 23 16-0355 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,359.21	505.05
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	205.60	
27 14 23 16-0356 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0340)</small>		
27 14 23 16-0357 MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,182.16	505.05
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	119.41	
27 14 23 16-0358 MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,312.20	505.05
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	122.14	
27 14 23 16-0359 MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,445.31	505.05
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	122.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0360 MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,577.04 123.02	505.05
27 14 23 16-0361 MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,840.49 125.11	505.05
27 14 23 16-0362 MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,256.92 126.85	505.05
27 14 23 16-0363 MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,652.10 128.24	505.05
27 14 23 16-0364 MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,455.69 151.59	505.05
27 14 23 16-0365 MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,264.17 162.74	505.05
27 14 23 16-0366 MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,071.42 173.89	505.05
27 14 23 16-0367 MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,919.97 208.91	505.05
27 14 23 16-0368 MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,631.18 239.93	505.05
27 14 23 16-0369 MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,362.09 289.75	505.05
27 14 23 16-0370 MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,127.31 292.20	505.05
27 14 23 16-0371 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0340)</small>		
27 14 23 16-0372 MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,118.32 99.94	505.05
27 14 23 16-0373 MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,214.41 107.18	505.05
27 14 23 16-0374 MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,310.35 114.24	505.05
27 14 23 16-0375 MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,428.87 130.05	505.05
27 14 23 16-0376 MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,598.61 135.61	505.05
27 14 23 16-0377 MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,898.70 144.53	505.05
27 14 23 16-0378 MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,182.97 166.21	505.05
27 14 23 16-0379 MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,727.02 184.70	505.05
27 14 23 16-0380 MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,363.36 212.37	505.05
27 14 23 16-0381 MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,951.11 228.52	505.05
27 14 23 16-0382 MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,571.45 258.65	505.05
27 14 23 16-0383 MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,826.10 290.82	505.05
27 14 23 16-0384 MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,100.90 330.05	505.05
27 14 23 16-0385 MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,395.38 303.17	505.05
27 14 23 16-0386 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0339)</small>		
27 14 23 16-0387 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
27 14 23 16-0388 MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,146.66 148.11	505.05
27 14 23 16-0389 MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,159.39 148.11	505.05
27 14 23 16-0390 MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,171.75 148.81	505.05
27 14 23 16-0391 MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,184.48 148.80	505.05
27 14 23 16-0392 MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,209.39 149.85	505.05
27 14 23 16-0393 MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,264.45 151.24	505.05
27 14 23 16-0394 MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,302.09 152.11	505.05
27 14 23 16-0395 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,396.00 151.42	505.05
27 14 23 16-0396 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,490.27 156.82	505.05
27 14 23 16-0397 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,583.13 158.91	505.05
27 14 23 16-0398 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,712.95 169.02	505.05

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0399 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,961.94 192.53	505.05
27 14 23 16-0400 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,243.51 200.38	505.05
27 14 23 16-0401 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,473.33 221.47	505.05
27 14 23 16-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
27 14 23 16-0403 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,265.15 151.41	505.05
27 14 23 16-0404 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,395.66 155.59	505.05
27 14 23 16-0405 MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,403.03 157.99	505.05
27 14 23 16-0406 MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,657.36 163.09	505.05
27 14 23 16-0407 MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,918.90 170.92	505.05
27 14 23 16-0408 MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,328.53 183.12	505.05
27 14 23 16-0409 MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,720.93 194.62	505.05
27 14 23 16-0410 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,524.52 236.62	505.05
27 14 23 16-0411 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,327.94 242.02	505.05
27 14 23 16-0412 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,133.97 261.72	505.05
27 14 23 16-0413 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,977.64 288.90	505.05
27 14 23 16-0414 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,685.55 285.06	505.05
27 14 23 16-0415 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,504.27 293.59	505.05
27 14 23 16-0416 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,186.20 333.15	505.05
27 14 23 16-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
27 14 23 16-0418 MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,183.20 125.45	505.05
27 14 23 16-0419 MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,277.29 135.61	505.05
27 14 23 16-0420 MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,371.23 145.76	505.05
27 14 23 16-0421 MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,465.32 155.90	505.05
27 14 23 16-0422 MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,709.05 167.69	505.05
27 14 23 16-0423 MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,948.05 196.50	505.05
27 14 23 16-0424 MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,240.90 213.44	505.05
27 14 23 16-0425 MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,807.75 263.71	505.05
27 14 23 16-0426 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,385.20 302.14	505.05
27 14 23 16-0427 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,964.64 336.45	505.05
27 14 23 16-0428 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,573.91 375.20	505.05
27 14 23 16-0429 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,810.27 442.41	505.05
27 14 23 16-0430 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,937.39 457.34	505.05
27 14 23 16-0431 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,341.27 472.12	505.05
27 14 23 16-0432 Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0338)</small> Note: Excludes trenching.		
27 14 23 16-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0432)</small>		
27 14 23 16-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0433)</small>		
27 14 23 16-0435 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	992.53 118.66	
27 14 23 16-0436 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,005.08 118.84	



Communications	27
Structured Cabling	27 10
Communications Cabling	27 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0437 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,017.80	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	118.82	
27 14 23 16-0438 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,030.35	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	119.00	
27 14 23 16-0439 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,055.60	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	119.18	
27 14 23 16-0440 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,115.55	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	115.00	
27 14 23 16-0441 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,153.19	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	115.52	
27 14 23 16-0442 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,242.74	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	122.32	
27 14 23 16-0443 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,337.01	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	123.54	
27 14 23 16-0444 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,429.87	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	124.76	
27 14 23 16-0445 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,552.37	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	150.02	
27 14 23 16-0446 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,794.21	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	161.00	
27 14 23 16-0447 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,037.27	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	190.63	
27 14 23 16-0448 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,289.06	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	205.60	
27 14 23 16-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		
<small>(27 14 23 16-0433)</small>		
27 14 23 16-0450 MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,112.01	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	119.41	
27 14 23 16-0451 MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,242.05	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	122.14	
27 14 23 16-0452 MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,375.16	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	122.49	
27 14 23 16-0453 MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,506.89	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	123.02	
27 14 23 16-0454 MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,770.34	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	125.11	
27 14 23 16-0455 MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,186.77	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	126.85	
27 14 23 16-0456 MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,581.95	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	128.24	
27 14 23 16-0457 MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,385.54	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	151.59	
27 14 23 16-0458 MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,194.02	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	162.74	
27 14 23 16-0459 MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,001.27	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	173.89	
27 14 23 16-0460 MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,849.82	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	208.91	
27 14 23 16-0461 MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,561.03	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	239.93	
27 14 23 16-0462 MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	9,291.94	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	289.75	
27 14 23 16-0463 MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	11,057.16	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	292.20	
27 14 23 16-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench		
<small>(27 14 23 16-0433)</small>		
27 14 23 16-0465 MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,048.17	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	99.94	
27 14 23 16-0466 MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,144.26	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	107.18	
27 14 23 16-0467 MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,240.20	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	114.24	
27 14 23 16-0468 MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,358.72	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	130.05	
27 14 23 16-0469 MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,528.46	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	135.61	
27 14 23 16-0470 MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,828.55	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	144.53	
27 14 23 16-0471 MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,112.82	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	166.21	
27 14 23 16-0472 MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,656.87	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	184.70	
27 14 23 16-0473 MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,293.21	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	212.37	
27 14 23 16-0474 MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,880.96	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	228.52	
27 14 23 16-0475 MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,501.30	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	258.65	

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0476 MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,755.95	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	290.82	
27 14 23 16-0477 MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,030.75	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	330.05	
27 14 23 16-0478 MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,325.23	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	303.17	
27 14 23 16-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ^(27 14 23 16-0479)		
27 14 23 16-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ^(27 14 23 16-0479)		
27 14 23 16-0481 MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,076.51	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	148.11	
27 14 23 16-0482 MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,089.24	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	148.11	
27 14 23 16-0483 MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,101.60	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	148.81	
27 14 23 16-0484 MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,114.33	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	148.80	
27 14 23 16-0485 MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,139.24	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	149.85	
27 14 23 16-0486 MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,194.30	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	151.24	
27 14 23 16-0487 MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,231.94	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	152.11	
27 14 23 16-0488 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,325.85	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	151.42	
27 14 23 16-0489 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,420.12	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	156.82	
27 14 23 16-0490 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,512.98	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	158.91	
27 14 23 16-0491 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,642.80	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	169.02	
27 14 23 16-0492 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,891.79	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	192.53	
27 14 23 16-0493 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,173.36	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	200.38	
27 14 23 16-0494 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,403.18	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	221.47	
27 14 23 16-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ^(27 14 23 16-0479)		
27 14 23 16-0496 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,195.00	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	151.41	
27 14 23 16-0497 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,325.51	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	155.59	
27 14 23 16-0498 MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,332.88	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	157.99	
27 14 23 16-0499 MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,587.21	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	163.09	
27 14 23 16-0500 MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,848.75	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	170.92	
27 14 23 16-0501 MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,258.38	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	183.12	
27 14 23 16-0502 MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,650.78	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	194.62	
27 14 23 16-0503 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,454.37	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	236.62	
27 14 23 16-0504 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,257.79	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	242.02	
27 14 23 16-0505 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,063.82	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	261.72	
27 14 23 16-0506 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,907.49	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	288.90	
27 14 23 16-0507 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,615.40	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	285.06	
27 14 23 16-0508 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	9,434.12	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	293.59	
27 14 23 16-0509 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	11,116.05	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	333.15	
27 14 23 16-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ^(27 14 23 16-0479)		
27 14 23 16-0511 MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,113.05	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	125.45	
27 14 23 16-0512 MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,207.14	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	135.61	
27 14 23 16-0513 MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,301.08	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	145.76	



Communications	27
Structured Cabling	27 10
Communications Cabling	27 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0514 MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,395.17 155.90	
27 14 23 16-0515 MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,638.90 167.69	
27 14 23 16-0516 MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,877.90 196.50	
27 14 23 16-0517 MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,170.75 213.44	
27 14 23 16-0518 MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,737.60 263.71	
27 14 23 16-0519 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,315.05 302.14	
27 14 23 16-0520 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,894.49 336.45	
27 14 23 16-0521 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,503.76 375.20	
27 14 23 16-0522 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,740.12 442.41	
27 14 23 16-0523 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,057.35 457.34	
27 14 23 16-0524 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,271.12 472.12	
27 14 23 16-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 14 23 16-0338)</small>		
27 14 23 16-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 14 23 16-0525)</small>		
27 14 23 16-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 14 23 16-0526)</small>		
27 14 23 16-0528 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,437.97 115.69	1,916.76
27 14 23 16-0529 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,452.43 116.22	1,916.76
27 14 23 16-0530 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,467.07 116.57	1,916.76
27 14 23 16-0531 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,481.88 116.91	1,916.76
27 14 23 16-0532 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,510.97 117.79	1,916.76
27 14 23 16-0533 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,573.88 119.70	1,916.76
27 14 23 16-0534 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,617.61 121.27	1,916.76
27 14 23 16-0535 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,725.81 124.41	1,916.76
27 14 23 16-0536 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,809.63 141.66	1,916.76
27 14 23 16-0537 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,933.86 144.45	1,916.76
27 14 23 16-0538 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,049.38 163.43	1,916.76
27 14 23 16-0539 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,317.19 181.38	1,916.76
27 14 23 16-0540 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,586.73 211.00	1,916.76
27 14 23 16-0541 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,871.79 234.35	1,916.76
27 14 23 16-0542 Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0338)</small> Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 14 23 16-0543 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0542)</small>		
27 14 23 16-0544 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	2,861.27	420.87
27 14 23 16-0545 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	3,707.67	420.87
27 14 23 16-0546 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,593.15	420.87
27 14 23 16-0547 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0542)</small>		
27 14 23 16-0548 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	3,940.81	420.87
27 14 23 16-0549 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,421.81	420.87
27 14 23 16-0550 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	6,525.82	420.87

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 14 23 16-0551		Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0338)</small> Note: Singlemode and multimode combination cable. Excludes trenching.		
27 14 23 16-0552		Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0551)</small>		
27 14 23 16-0553	MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	2,791.12	385.80
27 14 23 16-0554	MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	3,637.52	385.80
27 14 23 16-0555	MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	5,523.00	385.80
27 14 23 16-0556		Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0551)</small>		
27 14 23 16-0557	MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	3,870.66	385.80
27 14 23 16-0558	MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,351.66	385.80
27 14 23 16-0559	MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	6,455.67	385.80
27 14 33		Communications Coaxial Cabling <small>(27 14 33)</small>		
27 14 33 16		Communications Coaxial Cabling <small>(27 14 33 16)</small>		
27 14 33 16-0001		Indoor Coaxial Cable <small>(27 14 33 16)</small>		
27 14 33 16-0002		Coaxial, Indoor Telecommunications Cable <small>(27 14 33 16-0001)</small>		
27 14 33 16-0003		Coaxial, Indoor Telecommunications Cable, Installed In Conduit <small>(27 14 33 16-0002)</small>		
27 14 33 16-0004	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108).....	844.34	294.61
27 14 33 16-0005	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108).....	1,852.11	294.61
27 14 33 16-0006	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114).....	731.30	336.70
27 14 33 16-0007	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120).....	2,319.23	336.70
27 14 33 16-0008		Coaxial, Indoor Telecommunications Cable, Installed Exposed <small>(27 14 33 16-0002)</small>		
27 14 33 16-0009	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108).....	1,335.36	589.22
27 14 33 16-0010	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108).....	2,343.13	589.22
27 14 33 16-0011	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114).....	1,292.47	673.40
27 14 33 16-0012	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120).....	2,880.40	673.40
27 14 43		Communications Faceplates And Connectors <small>(27 14 43)</small>		
27 14 43 00-0001		Wall Mounted Telephone Faceplates <small>(27 14 43)</small> Note: Includes standard telephone mounting studs.		
27 14 43 00-0002		Plastic Faceplates For Wall Mounted Telephones <small>(27 14 43 00-0001)</small>		
27 14 43 00-0003	EA	Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones.....	24.08	8.76
27 14 43 00-0004		Stainless Steel Faceplates For Wall Mounted Telephones <small>(27 14 43 00-0001)</small>		
27 14 43 00-0005	EA	Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones..... Note: Requires one snap-in modular jack.	20.26	3.51
27 14 43 00-0006	EA	Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	35.42	8.76
27 14 43 00-0007	EA	Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	41.25	10.52
27 14 43 00-0008	EA	Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones..... Note: Requires one snap-in modular jack.	19.49	3.51
27 14 43 00-0009	EA	Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	32.15	8.76
27 14 43 00-0010	EA	Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	38.07	10.52
27 14 43 00-0011		Plastic Communications Faceplates <small>(27 14 43)</small> Note: Excludes modular jacks. See CSI section 27 14 43 00-0051 for modular jacks.		
27 14 43 00-0012	EA	One Port, Single Gang, Plastic Communication Faceplate With Station ID.....	5.65	1.76
27 14 43 00-0013	EA	Two Port, Single Gang, Plastic Communication Faceplate With Station ID.....	5.65	1.76
27 14 43 00-0014	EA	Three Port, Single Gang, Plastic Communication Faceplate With Station ID.....	5.65	1.76
27 14 43 00-0015	EA	Four Port, Single Gang, Plastic Communication Faceplate With Station ID.....	5.65	1.76
27 14 43 00-0016	EA	Six Port, Single Gang, Plastic Communication Faceplate With Station ID.....	5.65	1.76
27 14 43 00-0017	EA	Four Port, Double Gang, Plastic Communications Faceplate With Station ID.....	9.01	1.76
27 14 43 00-0018	EA	Six Port, Double Gang, Plastic Communication Faceplate With Station ID.....	9.01	1.76
27 14 43 00-0019	EA	Eight Port, Double Gang, Plastic Communication Faceplate With Station ID.....	9.01	1.76
27 14 43 00-0020	EA	Nine Port, Double Gang, Plastic Communication Faceplate With Station ID.....	9.01	1.76
27 14 43 00-0021	EA	Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID.....	9.01	1.76
27 14 43 00-0022		Stainless Steel Communications Faceplates <small>(27 14 43)</small> Note: Excludes modular jacks. See CSI section 27 14 43 00-0051 for modular jacks.		
27 14 43 00-0023		Stainless Steel Communications Faceplates <small>(27 14 43 00-0022)</small>		
27 14 43 00-0024	EA	One Port, Single Gang, Stainless Steel Communications Faceplate.....	10.80	1.76
27 14 43 00-0025	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate.....	10.80	1.76
27 14 43 00-0026	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate.....	10.80	1.76
27 14 43 00-0027	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate.....	11.56	1.76
27 14 43 00-0028	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate.....	11.56	1.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 43 00-0029 EA Four Port, Double Gang, Stainless Steel Communications Faceplate.....	15.62	1.76
27 14 43 00-0030 EA Six Port, Double Gang, Stainless Steel Communications Faceplate.....	16.10	1.76
27 14 43 00-0031 EA Eight Port, Double Gang, Stainless Steel Communications Faceplate.....	18.65	1.76
27 14 43 00-0032 EA Nine Port, Double Gang, Stainless Steel Communication Faceplate.....	18.65	1.76
27 14 43 00-0033 EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate.....	18.65	1.76
27 14 43 00-0034 Stainless Steel Communications Faceplates With Station ID (27 14 43 00-0022)		
27 14 43 00-0035 EA One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	15.53	1.76
27 14 43 00-0036 EA Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	15.53	1.76
27 14 43 00-0037 EA Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	15.53	1.76
27 14 43 00-0038 EA Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	15.53	1.76
27 14 43 00-0039 EA Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	15.53	1.76
27 14 43 00-0040 EA Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	33.59	1.76
27 14 43 00-0041 EA Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	33.59	1.76
27 14 43 00-0042 EA Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	33.59	1.76
27 14 43 00-0043 EA Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID.....	33.59	1.76
27 14 43 00-0044 EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	33.59	1.76
27 14 43 00-0045 Surface Mount Plastic Communication Boxes (27 14 43)		
Note: Excludes modular jacks. See CSI section 27 14 43 00-0051 for modular jacks.		
27 14 43 00-0046 EA One Port, Surface Mount Plastic Communication Box With Station ID.....	20.27	8.78
27 14 43 00-0047 EA Two Port, Surface Mount Plastic Communication Box With Station ID.....	20.74	8.78
27 14 43 00-0048 EA Four Port, Surface Mount Plastic Communication Box With Station ID.....	24.00	8.78
27 14 43 00-0049 EA Six Port, Surface Mount Plastic Communication Box With Station ID.....	27.88	8.78
27 14 43 00-0050 EA Twelve Port, Surface Mount Plastic Communication Box With Station ID.....	31.94	8.78
27 14 43 00-0051 Snap-In Modular Jacks (27 14 43)		
Note: Includes termination.		
27 14 43 00-0052 EA Cat 3, Snap-In Modular Jack.....	19.44	7.03
27 14 43 00-0053 EA Cat 5E, Snap-In Modular Jack.....	20.48	7.03
27 14 43 00-0054 EA Cat 5E Shielded, Snap-In Modular Jack.....	23.60	7.03
27 14 43 00-0055 EA Cat 6, Snap-In Modular Jack.....	23.60	7.03
27 14 43 00-0056 EA Cat 6 Shielded, Snap-In Modular Jack.....	27.10	7.03
27 14 43 00-0057 EA Cat 6A, Snap-In Modular Jack.....	27.63	7.03
27 14 43 00-0058 EA Voice, RJ-11, Snap-In Modular Jack.....	13.32	3.52
27 14 43 00-0059 EA SC Type Fiber Optic, Snap-In Modular Jack.....	21.80	7.03
27 14 43 00-0060 EA ST Type Fiber Optic, Snap-In Modular Jack.....	24.45	7.03
27 14 43 00-0061 EA LC Type Fiber Optic, Snap-In Modular Jack.....	29.65	7.03
27 14 43 00-0062 EA Blank Fill In, Snap-In Modular Jack.....	4.01	1.76
27 14 43 00-0063 EA Open Cable Pass Through Insert, Snap-In Modular Jack.....	4.63	1.76
27 14 43 00-0064 EA Coaxial F-Type Coupler, Snap-In Modular Jack.....	16.31	5.27
Note: Includes female to female connection.		
<i>For Gold Bulkhead, Add 1.01</i>		
27 14 43 00-0065 EA RCA Jack Pass-Through Coupler, Snap-In Modular Jack.....	16.50	5.27
Note: Includes female to female connection.		
27 14 43 00-0066 EA RCA Solder Coupler, Snap-In Modular Jack.....	32.55	7.03
27 14 43 00-0067 EA RCA Jack With 110 Punch Down, Snap-In Modular Jack.....	40.21	7.03
27 14 43 00-0068 EA 3.5 m Mini Stereo Jack, Snap-In Modular Jack.....	20.20	7.03
27 14 43 00-0069 EA MT-RJ Pass-Through Coupler, Snap-In Modular Jack.....	21.67	3.52
27 14 43 00-0070 EA BNC Connector, Snap-In Modular Jack.....	23.32	7.03
27 14 43 00-0071 EA S-Video With 110 Punch Down, Snap-In Modular Jack.....	26.15	7.03
27 14 43 00-0072 PR Speaker Connectors, Snap-In Modular Jack.....	34.46	10.54
Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
27 14 43 00-0073 EA USB Audio Video Connector, Snap-In Modular Jack.....	39.20	7.03
27 14 43 00-0074 Communications Equipment Labeling (27 14 43)		
27 14 43 00-0075 EA Label Both Ends Of One 4 Pair Cable.....	13.81	
27 14 43 00-0076 EA Label single gang face plate (2 labels required).....	11.05	
27 14 43 00-0077 EA Label two gang face plate (4 labels required).....	16.57	
27 14 43 00-0078 EA Label both ends of a Siamese (dual 4 Pair cable).....	13.81	
27 14 53 Communications Cable Innerduct (27 14)		
Note: Includes pull rope. Excludes conduit.		
27 14 53 00-0001 Indoor Innerduct (27 14 53)		
27 14 53 00-0002 Indoor Innerduct, Installed In Conduit (27 14 53 00-0001)		
27 14 53 00-0003 Riser Rated, Indoor Innerduct, Installed In Conduit (27 14 53 00-0002)		
27 14 53 00-0004 MLF 1" Riser Rated, Indoor Innerduct, Installed In Conduit.....	2,703.34	1,052.18
27 14 53 00-0005 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit.....	3,506.76	1,402.91
27 14 53 00-0006 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	4,641.51	1,753.64
27 14 53 00-0007 MLF 2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	5,432.18	2,104.36
27 14 53 00-0008 Plenum Rated, Indoor Innerduct, Installed In Conduit (27 14 53 00-0002)		
27 14 53 00-0009 MLF 1" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	3,977.77	1,052.18

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 53 00-0010 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	4,997.84	1,402.91
27 14 53 00-0011 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit	6,616.88	1,753.64
27 14 53 00-0012 MLF 2" Plenum Rated, Indoor Innerduct, Installed In Conduit	7,981.04	2,104.36
27 14 53 00-0013 Indoor Innerduct, Installed Exposed (27 14 53 00-0001)		
27 14 53 00-0014 Riser Rated, Indoor Innerduct, Installed Exposed (27 14 53 00-0013)		
27 14 53 00-0015 MLF 1" Riser Rated, Indoor Innerduct, Installed Exposed	3,404.80	1,402.91
27 14 53 00-0016 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed	4,208.21	1,753.64
27 14 53 00-0017 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed	5,342.97	2,104.36
27 14 53 00-0018 MLF 2" Riser Rated, Indoor Innerduct, Installed Exposed	6,133.63	2,455.09
27 14 53 00-0019 Plenum Rated, Indoor Innerduct, Installed Exposed (27 14 53 00-0013)		
27 14 53 00-0020 MLF 1" Plenum Rated, Indoor Innerduct, Installed Exposed.....	4,679.23	1,402.91
27 14 53 00-0021 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed.....	5,699.29	1,753.64
27 14 53 00-0022 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	7,318.34	2,104.36
27 14 53 00-0023 MLF 2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	8,682.49	2,455.09
27 14 53 00-0024 Outdoor Innerduct (27 14 53)		
27 14 53 00-0025 Outdoor Innerduct, Installed In Conduit (27 14 53 00-0024)		
27 14 53 00-0026 MLF 1" Outdoor Innerduct, Installed In Conduit.....	2,550.41	1,052.18
27 14 53 00-0027 MLF 1-1/4" Outdoor Innerduct, Installed In Conduit.....	3,281.24	1,402.91
27 14 53 00-0028 MLF 1-1/2" Outdoor Innerduct, Installed In Conduit.....	4,185.52	1,753.64
27 14 53 00-0029 MLF 2" Outdoor Innerduct, Installed In Conduit.....	5,000.66	2,104.36
27 14 53 00-0030 Outdoor Innerduct, Buried In Trench (27 14 53 00-0024)		
27 14 53 00-0031 MLF 1" Outdoor Innerduct, Buried In Trench	1,848.96	
27 14 53 00-0032 MLF 1-1/4" Outdoor Innerduct, Buried In Trench	2,579.78	
27 14 53 00-0033 MLF 1-1/2" Outdoor Innerduct, Buried In Trench	3,484.07	
27 14 53 00-0034 MLF 2" Outdoor Innerduct, Buried In Trench	4,299.20	
27 14 63 Communications Multimedia Modular Patch Panels (27 14)		
27 14 63 00-0001 Communications Multimedia Modular Patch Panels (27 14 63)		
Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 14 43 00-0051 for modular jacks.		
27 14 63 00-0002 EA 12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded.....	71.67	3.51
27 14 63 00-0003 EA 16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	79.18	3.51
27 14 63 00-0004 EA 24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	93.69	3.51
27 14 63 00-0005 EA 36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	98.15	3.51
27 14 63 00-0006 EA 48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	107.23	4.38
27 14 63 00-0007 EA 24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	101.84	3.51
27 14 63 00-0008 EA 48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	127.80	4.38
27 14 63 00-0009 EA Rack Mount Rear Cable Management Bar	34.66	4.38
27 16 Communications Connecting Cords, Devices, And Adapters (27 16)		
27 16 16 Communications Media Converters, Adapters, and Transceivers (27 16)		
27 16 16 00-0001 Fiber Optic Receivers (27 16 16)		
27 16 16 00-0002 EA Fiber Optic Receiver, Range 6.2 Miles	477.36	35.07
27 16 16 00-0003 Fiber Optic Transmitters (27 16 16)		
27 16 16 00-0004 EA Fiber Optic Transmitter, Range 6.2 Miles	477.36	35.07
27 16 16 00-0005 Fiber Optic Repeaters (27 16 16)		
Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0006 EA Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power	547.50	70.15
27 16 16 00-0007 EA Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power	867.86	140.29
27 16 16 00-0008 Fiber Optic Transceivers (27 16 16)		
27 16 16 00-0009 EA Fiber Optic Transceivers, 3,000 Miles Range.....	591.64	140.29
27 16 16 00-0010 EA Fiber Optic Transceivers, Digital 2,000 Miles Range	591.64	140.29
27 16 16 00-0011 EA Fiber Optic Ethernet Transceiver	773.68	210.44
27 16 16 00-0012 EA Transceiver (Low Cost Bi- Directional).....	273.15	52.61
27 16 19 Communications Patch Cords, Station Cords, And Cross Connect Wire (27 16)		
27 16 19 00-0001 Cross Connect Wire (27 16 19)		
Note: Up to 20' length.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0002 EA 2-Pair Cross Connect Wire	11.35	
27 16 19 00-0003 EA 3-Pair Cross Connect Wire	15.22	
27 16 19 00-0004 EA 4-Pair Cross Connect Wire	19.04	
27 16 19 00-0005 Fiber Optic Patch Cords (27 16 19)		
27 16 19 00-0006 Simplex Fiber Optic Patch Cables (27 16 19 00-0005)		
27 16 19 00-0007 Singlemode, Simplex Fiber Optic Patch Cables (27 16 19 00-0006)		
27 16 19 00-0008 EA ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	28.88	
For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0009 EA ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	23.60	
For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0010 EA ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	30.46	
For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0011 EA SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	24.81	
For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0012 EA SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	28.66	
For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0013 EA LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	28.23	
For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0014 Duplex Fiber Optic Patch Cables (27 16 19 00-0005)		
27 16 19 00-0015 Singlemode, Duplex Fiber Optic Patch Cables (27 16 19 00-0014)		
27 16 19 00-0016 EA ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	50.10	
For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0017 EA ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	48.61	
For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0018 EA ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	53.90	
For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0019 EA SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	41.97	
For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0020 EA SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	49.66	
For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0021 EA LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	48.82	
For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0022 Multimode, Duplex Fiber Optic Patch Cables (27 16 19 00-0014)		
27 16 19 00-0023 EA ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	37.90	
For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0024 EA ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	41.35	
For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0025 EA ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	41.70	
For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0026 EA ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	42.81	
For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0027 EA SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	38.04	
For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0028 EA SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	43.01	
For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0029 EA SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	50.49	
For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0030 EA MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	34.86	
For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0031 EA LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	42.36	
For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0032 Fiber Optic Cable Pig Tail (27 16 19)		
27 16 19 00-0033 EA Simplex Fiber Optic Cable Pig Tail	47.17	24.55
27 16 19 00-0034 EA Duplex Fiber Optic Cable Pig Tail	59.69	24.55
27 16 19 00-0035 Ethernet Patch Cords (27 16 19)		
27 16 19 00-0036 EA 3' Category 5E Patch Cables With Boots	12.45	
27 16 19 00-0037 EA 5' Category 5E Patch Cables With Boots	13.19	
27 16 19 00-0038 EA 7' Category 5E Patch Cables With Boots	13.92	
27 16 19 00-0039 EA 10' Category 5E Patch Cables With Boots	18.54	
27 16 19 00-0040 EA 15' Category 5E Patch Cables With Boots	20.38	
27 16 19 00-0041 EA 25' Category 5E Patch Cables With Boots	24.06	
27 16 19 00-0042 EA 3' Category 6 Patch Cables With Boots	13.49	
27 16 19 00-0043 EA 5' Category 6 Patch Cables With Boots	14.44	
27 16 19 00-0044 EA 7' Category 6 Patch Cables With Boots	15.38	
27 16 19 00-0045 EA 10' Category 6 Patch Cables With Boots	20.31	
27 16 19 00-0046 EA 15' Category 6 Patch Cables With Boots	22.68	
27 16 19 00-0047 EA 25' Category 6 Patch Cables With Boots	27.42	
27 16 19 00-0048 EA 50' Category 6 Patch Cables With Boots	39.25	
27 16 19 00-0049 EA 100' Category 6 Patch Cables With Boots	66.44	
27 16 19 00-0050 EA 3' Category 6A Patch Cables With Boots	17.45	

27 Communications**27 10 Structured Cabling****27 16 Communications Connecting Cords, Devices, And Adapters**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0051	EA		5' Category 6A Patch Cables With Boots.....	19.30	
27 16 19 00-0052	EA		7' Category 6A Patch Cables With Boots.....	21.16	
27 16 19 00-0053	EA		10' Category 6A Patch Cables With Boots.....	27.45	
27 16 19 00-0054	EA		15' Category 6A Patch Cables With Boots.....	32.09	
27 16 19 00-0055	EA		25' Category 6A Patch Cables With Boots.....	41.36	
27 16 19 00-0056	EA		50' Category 6A Patch Cables With Boots.....	64.54	
27 16 19 00-0057	EA		100' Category 6A Patch Cables With Boots.....	114.42	

27 20 Data Communications (27)**27 21 Data Communications Network Equipment** (27 20)

Note: Includes testing of new devices and certification.

27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems

27 21 16 00-0001 Fiber Optic Modems <small>(27 21 16)</small>					
27 21 16 00-0002	EA		Fiber Optic Modems, Range 6.2 Miles.....	959.26	140.29
27 21 16 00-0003	EA		Fiber Optic Modem, Range 3.1 Miles, 12 Channel	1,807.60	140.29
27 21 16 00-0004 Ethernet Hubs and Switches <small>(27 21 16)</small>					
27 21 16 00-0005	EA		16 Port Managed Hub With Fiberport And Standard Management.....	2,083.52	105.42
27 21 16 00-0006	EA		16 Port Unmanaged Hub	359.78	70.28
27 21 16 00-0007 Network Equipment <small>(27 21 16)</small>					
27 21 16 00-0008 Communications Entrance Protection <small>(27 21 16 00-0007)</small>					
27 21 16 00-0009	EA		100-Pair, 5 Pin Configuration, 110 Termination, Building Entrance Terminal With Cover (Porta 24100-110-M110C).....	598.54	52.71
Note: Excludes terminations.					
27 21 16 00-0010	EA		Solid State Protector Module With 4 OHM Heat Coils (CommScope 4C1S)	7.24	0.70
27 21 16 00-0011 Communications Cabinets, Racks, Frames And Enclosures <small>(27 21 16 00-0007)</small>					
27 21 16 00-0012	EA		19" Width x 24" Depth x 36" Height, Wall Mounted Telecommunications Enclosure (Chatsworth 11840-736).....	724.80	52.71
27 21 16 00-0013	EA		10 Outlet, 125 Volt, 20 Amp Telecommunications Cabinet Power Strip (Chatsworth 13239-757).....	653.63	3.52
27 21 16 00-0014	EA		Fan Kit For Telecommunications Cabinet (Chatsworth 12804-701).....	117.07	14.05
27 21 16 00-0015 Communications Termination Blocks And Patch Panels <small>(27 21 16 00-0007)</small>					
27 21 16 00-0016 Communications Termination Blocks <small>(27 21 16 00-0015)</small>					
27 21 16 00-0017	EA		4-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058810).....	229.84	10.52
27 21 16 00-0018	EA		5-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058802).....	213.68	10.52
27 21 16 00-0019	EA		4-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058869).....	516.75	10.52
27 21 16 00-0020	EA		5-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058851).....	480.39	10.52
27 21 16 00-0021	EA		110 Connector System Mounting Brackets (CommScope 107535593).....	69.81	10.52
27 21 16 00-0022	EA		110 Connector System Mounting Brackets (CommScope 107535585).....	75.69	10.52
27 21 16 00-0023	EA		110 Connector System Mounting Brackets (CommScope 107098816).....	86.68	10.52
27 21 16 00-0024 Communications Copper Patch Panels <small>(27 21 16 00-0015)</small>					
Note: Excludes cabinet and terminations.					
27 21 16 00-0025	EA		24 Port, Category 5E Patch Panel (CommScope 108208919)	223.22	22.84
27 21 16 00-0026	EA		48 Port, Category 5E Patch Panel (CommScope 108208935)	411.31	28.11
27 21 16 00-0027	EA		24 Port, Category 6 Patch Panel (CommScope 760062372).....	333.98	22.84
27 21 16 00-0028	EA		48 Port, Category 6 Patch Panel (CommScope 760062380).....	628.22	28.11
27 21 16 00-0029 Communications Optical Fiber Patch Panels <small>(27 21 16 00-0015)</small>					
27 21 16 00-0030 Closet Connector Housings <small>(27 21 16 00-0029)</small>					
27 21 16 00-0031	EA		48 Fiber Total Capacity, Closet Connector Housing (Corning CCH-01U).....	260.11	14.05
Note: Accepts up to 2 closet connector housing panels. Excludes panels.					
27 21 16 00-0032	EA		96 Fiber Total Capacity, Closet Connector Housing (Corning CCH-02U).....	303.98	14.05
Note: Accepts up to 4 closet connector housing panels. Excludes panels.					
27 21 16 00-0033	EA		288 Fiber Total Capacity, Closet Connector Housing (Corning CCH-04U).....	379.64	14.05
Note: Accepts up to 12 closet connector housing panels. Excludes panels.					
27 21 16 00-0034	EA		SC Duplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-91).....	80.56	7.03
27 21 16 00-0035	EA		SC Duplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-59).....	110.32	7.03
27 21 16 00-0036	EA		SC Simplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-56).....	91.07	7.03
27 21 16 00-0037	EA		SC Simplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-3C).....	119.93	7.03
27 21 16 00-0038 Communications Cable Management <small>(27 21 16 00-0007)</small>					
27 21 16 00-0039 Horizontal Communication Cable Management <small>(27 21 16 00-0038)</small>					
27 21 16 00-0040	EA		1.7" Height, 19" Width, 3.7" Depth, 1 RU, Front Only, Horizontal Cable Manager (Panduit WMPFSE).....	83.68	14.05
27 21 16 00-0041	EA		3-1/2" Height, 19" Width, 3.7" Depth, Horizontal Cable Manager (Panduit WMPF1E).....	86.56	14.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0042 Vertical Communication Cable Management <small>(27 21 16 00-0038)</small>		
27 21 16 00-0043 EA 6" Width x 84" Height, Double-Sided Vertical Cabling Section (Chatsworth 11729-703)	507.44	35.14
27 21 16 00-0044 EA 19" Width x 84" Height, Universal Rack (Chatsworth 48353-703)	526.06	35.14
27 21 16 00-0045 EA 23" Width x 84" Height, Universal Rack (Chatsworth 48383-703)	568.01	35.14
27 21 16 00-0046 Communications Patch Cords, Station Cords, And Cross Connect Wire <small>(27 21 16 00-0007)</small>		
27 21 16 00-0047 Premise Cross-Connect Wire <small>(27 21 16 00-0046)</small>		
27 21 16 00-0048 LF 1-Pair, 22 AWG Premise Cross-Connect Wire (General Cable 7041973)	0.73	0.35
27 21 16 00-0049 Pathways For Communications Systems <small>(27 21 16 00-0007)</small>		
27 21 16 00-0050 Conduits And Backboxes For Communication Systems <small>(27 21 16 00-0049)</small>		
27 21 16 00-0051 Flexible Conduit For Communication Systems <small>(27 21 16 00-0050)</small>		
27 21 16 00-0052 CLF 1" Diameter, Riser Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlson DF4X1C)	302.65	126.26
27 21 16 00-0053 CLF 1" Diameter, Plenum Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlson CF4X1C)	453.28	126.26
27 21 16 00-0054 Tube Cables For Communication Systems <small>(27 21 16 00-0050)</small>		
27 21 16 00-0055 Outdoor/All-Dielectric Tube Cables <small>(27 21 16 00-0054)</small>		
27 21 16 00-0056 CLF Two Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC02TOX)	267.07	84.17
27 21 16 00-0057 CLF Seven Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC07TOX)	405.75	105.22
27 21 16 00-0058 CLF Nineteen Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC19TOX)	691.95	126.26
27 21 16 00-0059 Indoor/Riser Rated Tube Cables <small>(27 21 16 00-0054)</small>		
27 21 16 00-0060 CLF Two Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC02TRX)	310.95	84.17
27 21 16 00-0061 CLF Four Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC04TRX)	383.35	94.70
27 21 16 00-0062 CLF Seven Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC07TRX)	436.23	105.22
27 21 16 00-0063 CLF Nineteen Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC19TRX)	829.70	126.26
27 21 16 00-0064 Indoor/Plenum Rated Tube Cables <small>(27 21 16 00-0054)</small>		
27 21 16 00-0065 CLF Single Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC01TPX)	219.53	84.17
27 21 16 00-0066 CLF Two Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC02TP2)	331.68	84.17
27 21 16 00-0067 CLF Four Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC04TP2)	524.75	94.70
27 21 16 00-0068 CLF Seven Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC07TP2)	776.34	105.22
27 21 16 00-0069 CLF Nineteen Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC19TP2)	2,493.66	126.26
27 21 16 00-0070 Unjacketed Single Tube Cables <small>(27 21 16 00-0054)</small>		
27 21 16 00-0071 CLF Single Tube, Unjacketed Single Tube Cable (Sumitomo TC01TGX)	185.39	84.17
27 21 16 00-0072 Multimode Fiber Bundles <small>(27 21 16 00-0054)</small>		
Note: Includes optical fiber cables.		
27 21 16 00-0073 CLF 2-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FR02M6)	83.54	25.26
27 21 16 00-0074 CLF 4-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB04M6)	131.08	25.26
27 21 16 00-0075 CLF 6-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB06M6)	182.28	25.26
27 21 16 00-0076 CLF 12-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB12M6)	338.31	25.26
27 21 16 00-0077 CLF 18-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB18M6)	492.82	29.46
27 21 16 00-0078 CLF 24-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB24M6)	648.86	29.46
27 21 16 00-0079 Singlemode Fiber Bundles <small>(27 21 16 00-0054)</small>		
Note: Includes optical fiber cables.		
27 21 16 00-0080 CLF 2-Fiber, Singlemode Fiber Bundle (Sumitomo FR02SX)	73.78	25.26
27 21 16 00-0081 CLF 4-Fiber, Singlemode Fiber Bundle (Sumitomo FB04SX)	94.51	25.26
27 21 16 00-0082 CLF 6-Fiber, Singlemode Fiber Bundle (Sumitomo FB06SX)	111.57	25.26
27 21 16 00-0083 CLF 12-Fiber, Singlemode Fiber Bundle (Sumitomo FB12SX)	144.49	25.26
27 21 16 00-0084 CLF 18-Fiber, Singlemode Fiber Bundle (Sumitomo FB18SX)	224.64	29.46
27 21 16 00-0085 CLF 24-Fiber, Singlemode Fiber Bundle (Sumitomo FB24SX)	299.00	29.46
27 21 16 00-0086 Tube Distribution Cabinets <small>(27 21 16 00-0054)</small>		
27 21 16 00-0087 EA Modular Tube Distribution Cabinet (Sumitomo DE06MDU)	165.08	35.14
Note: Up to six 7-tube cables or two 19-tube cables.		
27 21 16 00-0088 Modular Fiber Termination Cabinets <small>(27 21 16 00-0054)</small>		
27 21 16 00-0089 EA 24-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT24WFM)	212.88	35.14
27 21 16 00-0090 EA 48-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT48WFM)	228.00	35.14

27	27	Communications
	27 20	Data Communications
	27 21	Data Communications Network Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0091			Tube Distribution Accessories (27 21 16 00-0054)		
27 21 16 00-0092	EA		Plastic Push/Pull Quick Release Pneumatic Cap For 8 mm Tube (Sumitomo DE08MA)	8.72	3.52
27 21 16 00-0093	EA		Plastic Push/Pull Quick Release Pneumatic Coupling For 8 mm Tube (Sumitomo DE08MC2)	9.79	3.52
27 21 16 00-0094	EA		Brass Push/Pull Quick Release Pneumatic Coupling For 8 mm Bulkhead Tube (Sumitomo DE08MB)	12.52	3.52
27 21 16 00-0095			Communications Optical Fiber Cabling (27 21 16 00-0007)		
27 21 16 00-0096			Communications Optical Fiber Cable Splicing And Terminations (27 21 16 00-0095)		
27 21 16 00-0097			Field Installed Fiber Connectors (27 21 16 00-0096)		
27 21 16 00-0098	EA		SC Type, Singlemode, Field Installed Fiber Connector (Corning 95-200-42)	27.70	5.27
27 21 16 00-0099	EA		SC Type, 62.5 Micron Multimode, Field Installed Fiber Connector (Corning 95-000-41)	24.21	5.27
27 21 16 00-0100			Buffer Tube Fan-Out Kits (27 21 16 00-0096)		
27 21 16 00-0101			Buffer Tube Breakout Kits (Sumitomo) (27 21 16 00-0100) Note: Includes 900 micron tubing.		
27 21 16 00-0102	EA		2-Fiber Breakout Kit (Sumitomo FTFLD02)	154.92	70.15
27 21 16 00-0103	EA		4-Fiber Breakout Kit (Sumitomo FTFLD04)	158.58	70.15
27 21 16 00-0104	EA		6-Fiber Breakout Kit (Sumitomo FTFLD06)	161.81	70.15
27 21 16 00-0105	EA		12-Fiber Breakout Kit (Sumitomo FTFLD12)	171.84	70.15
27 21 16 00-0106	EA		18-Fiber Breakout Kit (Sumitomo FTFLD18)	185.56	70.15
27 21 16 00-0107	EA		24-Fiber Breakout Kit (Sumitomo FTFLD24)	195.76	70.15
27 21 16 00-0108			Buffer Tube Fan-Out Kits (Corning) (27 21 16 00-0100)		
27 21 16 00-0109	EA		12 Fiber, 25" Tube Length, Indoor Buffer Tube Fan-Out Kit (Corning Fan-BT25-12)	156.61	70.15
27 21 16 00-0110	EA		12 Fiber, 25" Tube Length, Outdoor Buffer Tube Fan-Out Kit (Corning Fan-OD25-12)	192.83	70.15
27 21 16 00-0111			Communications Copper Cabling (27 21 16 00-0007)		
27 21 16 00-0112			Copper Communications Cable Splicing And Terminations (27 21 16 00-0111)		
27 21 16 00-0113			Copper Communications Cable Splice Cases (27 21 16 00-0112)		
27 21 16 00-0114	EA		6.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000626)	648.07	140.29
27 21 16 00-0115	EA		9.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000630)	753.10	140.29
27 21 16 00-0116	EA		12.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8006219)	1,102.10	140.29
27 21 16 00-0117			Modular Splice Connectors (27 21 16 00-0112)		
27 21 16 00-0118	EA		25-Pair, Straight Body Only, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-SC1-25)	75.25	35.07
27 21 16 00-0119	EA		25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Dry Modular Splice Connector (3M 710-SD1-25)	74.11	35.07
27 21 16 00-0120	EA		25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-TC1-25)	75.27	35.07
27 21 16 00-0121	EA		25-Pair, Bridge Body, 26-22 Gauge Cable, Filled Modular Splice Connector (3M 710-BC1-25)	75.11	35.07
27 30			Voice Communications (27)		
27 31			Voice Communications Switching and Routing Equipment (27 30) Note: Includes testing of new devices and certification.		
27 31 13			PBX/Key Systems (27 31)		
27 31 13 00-0001			Interior PBX Telephone System (27 31 13) Note: Includes telephone instruments cabling and solid state switching.		
27 31 13 00-0002			Interior PBX Telephone System (27 31 13 00-0001) Note: Cost is for each line up to 1000 lines.		
27 31 13 00-0003	EA		1 Line PBX Connection, Cost Per Each Line Up To 1,000	1,034.26	365.92
27 31 13 00-0004			Additional Telephones Less Solid State Switching (PBX) (27 31 13 00-0001)		
27 31 13 00-0005	EA		Add For Each Additional PBX Phone Line Less Solid State Switching	333.62	28.76
27 31 13 00-0006			Telephones (27 31 13 00-0001)		
27 31 13 00-0007	EA		Telephones, Desk Type Intercommunication Equipment	132.99	27.35
27 31 13 00-0008	EA		Telephones, Wall Type Intercommunication Equipment	151.43	36.48
27 32			Voice Communications Terminal Equipment (27 30) Note: Includes testing of new devices and certification.		
27 32 19			Interior Telephone System (27 32)		
27 32 19 00-0001			Components (27 32 19)		
27 32 19 00-0002	EA		Solid State Exchange Unit With Power Supply	3,982.84	640.98
27 32 19 00-0003	EA		Dial Telephone - Handset In Cabinet	474.32	52.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 19 00-0004 EA Elevator Cab Telephone With Trailer Cable.....	245.44	56.19
27 32 19 00-0005 EA Loud Ring Bell, 6".....	193.87	52.12
27 32 19 00-0006 EA Audio/Visual Indicator.....	244.27	49.10
27 32 19 00-0007 EA Administrative Telephone With Digital Display.....	253.30	44.05
27 32 19 00-0008 EA Processing Unit For 16 Station System.....	1,277.68	359.36
27 32 19 00-0009 EA Handset For 16 Station System.....	179.35	35.77
27 32 19 00-0010 EA Handset In Cabinet, For 16 Station System.....	242.92	48.26
27 32 19 00-0011 MLF 20 Conductor Unshielded Cable, #22.....	1,695.18	773.50
27 32 19 00-0012 EA Power Supply For 16 Station System.....	233.59	95.47
27 32 19 00-0013 EA Intercom Terminal Board.....	210.12	107.46
27 32 19 00-0014 EA Power Supply For Five Station System, 24 Volt DC.....	242.21	95.47
27 32 19 00-0015 EA Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick.....	116.99	39.25
27 32 19 00-0016 EA Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep.....	360.13	86.38
27 32 19 00-0017 EA Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep.....	424.70	98.18
27 32 19 00-0018 EA Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep.....	514.62	116.20
27 32 19 00-0019 EA Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep.....	605.52	125.63
27 32 19 00-0020 EA Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep.....	935.89	142.94
27 32 19 00-0021 EA Ring Rung 3".....	7.45	3.91
27 32 19 00-0022 EA G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID.....	18.45	6.95
27 32 19 00-0023 EA G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing.....	33.83	14.24

27 32 19 00-0024 Accessories (27 32 19)

27 32 19 00-0025 EA Blank Telephone Receptacle, Exposed Devices - Complete.....	7.75	3.79
27 32 19 00-0026 EA 4-Pin Telephone Receptacle, Exposed Devices - Complete.....	16.28	14.59
27 32 19 00-0027 EA Level 5, RJ-45 Jack, Dual Flush Mounted - Complete.....	38.96	16.03
27 32 19 00-0028 EA Level 5, RJ-45 Jack, Wall Mount - Complete.....	37.43	16.03
27 32 19 00-0029 EA Terminating Strips, Inside.....	75.60	32.07
27 32 19 00-0030 EA Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete.....	34.74	16.48
27 32 19 00-0031 EA Ready Access Closure 3 To 25 Pair.....	91.27	38.65
27 32 19 00-0032 EA Ready Access Closure 25 To 100 Pair.....	105.47	43.21
27 32 19 00-0033 EA Termination Block With Bracket 25 Pair.....	33.48	12.97
27 32 19 00-0034 EA RJ-11 Telephone Receptacle, Concealed Devices - Complete.....	34.14	16.27
27 32 19 00-0035 EA Interior Protected Terminal 25 Pair.....	346.87	93.72
27 32 19 00-0036 EA Interior Protected Terminal 50 Pair.....	401.05	95.19
27 32 19 00-0037 EA Pedestal 6" x 6" x 50" 3 To 100 Pair.....	139.16	39.00
27 32 19 00-0038 EA Pedestal 8" x 8" x 50" 100 To 300 Pair.....	142.84	39.00
27 32 19 00-0039 EA Pedestal 10" x 10" x 43" 300 To 600 Pair.....	187.60	49.87
27 32 19 00-0040 EA Pedestal 10" x 16" x 439 600 Pair.....	380.66	89.86
27 32 19 00-0041 EA Entrance Protector Terminal 100 Pair.....	512.85	102.55
27 32 19 00-0042 EA Gas Protection Module.....	9.15	3.51
27 32 19 00-0043 EA Terminating Boxes, Outside With 3 Element Protectors, Per Pair.....	14.07	3.21

27 32 26 Ring-Down Emergency Telephones (27 32 26)

27 32 26 00-0001 Emergency Telephone (27 32 26)

Note: Standard features include: CB3000 speakerphone, 3 auxiliary inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70w area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.

27 32 26 00-0002 EA Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s).....	5,942.57	290.40
Note: Includes IA4100 FP1 analog speakerphone with single red "Push For Help" button, "Push For Help" bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.		
27 32 26 00-0003 EA Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d).....	6,242.27	290.40
Note: Includes IA4100 FP1 analog speakerphone with single red "Push For Help" button, "Push For Help" bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.		
27 32 26 00-0004 EA Analog Speakerphone With Black "Info" Button And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2).....	99.90	
27 32 26 00-0005 EA Analog Speakerphone With Black "Call" Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2-K).....	149.85	
27 32 26 00-0006 EA IP Speakerphone With Single Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP1).....	374.63	
27 32 26 00-0007 EA IP Speakerphone With Back "Info" Button And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2).....	509.49	
27 32 26 00-0008 EA IP Speakerphone With Black "Call" Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2-K).....	559.44	
27 32 26 00-0009 EA EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option.....	9.99	
27 32 26 00-0010 EA EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option.....	9.99	
27 32 26 00-0011 EA Directory, Second Opening Code Blue Option.....	89.91	
27 32 26 00-0012 EA Camera Enclosure With Color IP Camera, Second Opening Code Blue Option.....	949.06	
27 32 26 00-0013 EA HID Card Reader, Second Opening Code Blue Option.....	439.56	
27 32 26 00-0014 EA HID Card Reader And Color IP Camera, Second Opening Code Blue Option.....	1,423.58	
27 32 26 00-0015 EA IP Wireless Communication Code Blue Option.....	2,992.02	
Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.		
27 32 26 00-0016 EA Active Venting Code Blue Option.....	159.84	
27 32 26 00-0017 EA Night Charge Power Code Blue Option.....	1,393.61	
Note: Requires 120V AC external power supplied to Code Blue unit.		
27 32 26 00-0018 EA Power Transformer Kit, Alternate Incoming Power Code Blue Option.....	349.65	

27	Communications
27 30	Voice Communications
27 32	Voice Communications Terminal Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 26 00-0019 EA Overhead Camera Mount Code Blue Option Note: Excludes camera.	794.21	
27 32 26 00-0020 EA Custom Color For Overhead Camera Mount Code Blue Option.....	34.97	
27 32 26 00-0021 City Police Call System (27 32 26)		
27 32 26 00-0022 Components (27 32 26 00-0021)		
27 32 26 00-0023 EA City Police Call System.....	464.45	81.79
27 32 26 00-0024 EA Concrete Foundation For Police Department Telephone Post.....	422.39	118.47
27 40 Audio-Video Communications (27)		
27 41 Audio-Video Systems (27 40)		
27 41 16 Integrated Audio-Video Systems and Equipment (27 41)		
Note: Includes testing of new devices and certification.		
27 41 16 00-0001 Television Distribution System (27 41 16) See CSI section 26 05 13 00-0001 for basic wiring.		
27 41 16 00-0002 Television Support System (27 41 16 00-0001)		
27 41 16 00-0003 EA Ceiling Mounted Television Support, 19" To 20".....	265.70	78.72
27 41 16 00-0004 EA Ceiling Mounted Television Support, 19" To 20" With Rack.....	340.55	87.85
27 41 16 00-0005 EA Ceiling Mounted Television Support, 25" To 27".....	276.79	78.72
27 41 16 00-0006 EA Ceiling Mounted Television Support, 25" To 27" With Rack.....	351.64	87.85
27 41 16 00-0007 EA Wall Mounted Television Support, 13".....	210.31	63.25
27 41 16 00-0008 EA Wall Mounted Television Support, 13" With Rack.....	285.16	70.28
27 41 16 00-0009 EA Wall Mounted Television Support, 19" To 20".....	224.87	63.25
27 41 16 00-0010 EA Wall Mounted Television Support, 19" To 20" With Rack.....	299.72	70.28
27 41 16 00-0011 EA Wall Mounted Television Support, 25" To 27".....	239.42	63.25
27 41 16 00-0012 EA Wall Mounted Television Support, 25" To 27" With Rack.....	314.27	70.28
27 41 16 00-0013 Distribution System (27 41 16 00-0001) See CSI section 26 05 13 00-0001 for wire and cabling.		
27 41 16 00-0014 TV Distribution Rack (27 41 16 00-0013)		
27 41 16 00-0015 EA Steel Rack Cabinet With Shelves.....	901.51	129.00
27 41 16 00-0016 EA Switch And Pilot Light.....	145.41	57.31
27 41 16 00-0017 LF Surface Raceway With Outlets.....	17.52	7.79
27 41 16 00-0018 EA Service Label.....	21.01	10.73
27 41 16 00-0019 Head End Amplifier (27 41 16 00-0013)		
27 41 16 00-0020 EA Head End Amplifier.....	601.43	85.86
27 41 16 00-0021 UHF In-Line Booster Amplifier And Power Supply (27 41 16 00-0013)		
27 41 16 00-0022 EA UHF In-Line Booster.....	356.18	85.86
27 41 16 00-0023 Preamplifiers (27 41 16 00-0013)		
27 41 16 00-0024 EA VHF Preamplifier.....	442.54	85.86
27 41 16 00-0025 EA UHF Preamplifier.....	356.18	85.86
27 41 16 00-0026 Power Supplies (27 41 16 00-0013)		
27 41 16 00-0027 EA Common Power Supply.....	632.20	122.68
27 41 16 00-0028 Line Splitter And Mixer (27 41 16 00-0013)		
27 41 16 00-0029 EA Line Splitter.....	57.15	28.62
27 41 16 00-0030 EA Two-Way Splitter.....	64.02	28.62
27 41 16 00-0031 EA Frequency Filter.....	139.27	43.00
27 41 16 00-0032 EA Line Splitter And Mixer.....	174.28	63.13
27 41 16 00-0033 Power Line Filters (27 41 16 00-0013)		
27 41 16 00-0034 EA 120-Volt Power Supply Line Filter.....	266.30	57.31
27 41 16 00-0035 Wall Box And Receiver Outlets (27 41 16 00-0013)		
27 41 16 00-0036 EA Wall Box With Lockable Cover, Excluding Outlet Plug.....	139.27	43.00
27 41 16 00-0037 EA TV Receiver Outlet Plug.....	64.02	28.62
27 41 16 00-0038 EA TV Camera Outlet Plug.....	64.02	28.62
27 41 16 00-0039 EA Audio Outlet Plug.....	55.41	28.62
27 41 16 00-0040 EA 12 Ft RG 6U Cable With G-59 And TV Set Fittings.....	115.18	57.31
27 41 16 00-0041 EA Male Plug PL-259.....	64.02	28.62
27 41 16 00-0042 EA Wall Box And Receiver Outlet Television Outlets.....	76.53	30.02



Communications	27	27
Audio-Video Communications	27 40	
Audio-Video Systems	27 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 16 00-0043 Metal And Electric Shop Antenna Systems <small>(27 41 16)</small>		
27 41 16 00-0044 Antenna <small>(27 41 16 00-0043)</small>		
27 41 16 00-0045 EA Amateur Radio Antenna	569.63	105.22
27 41 16 00-0046 EA Multi-Band Radio Antenna.....	445.92	105.22
27 41 16 00-0047 Receptacles <small>(27 41 16 00-0043)</small>		
27 41 16 00-0048 EA Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter	130.64	43.00
27 41 16 00-0049 EA Multi-Band Radio Antenna System Receptacle With Mating Plugs	130.64	43.00
27 50 Distributed Communications And Monitoring Systems <small>(27)</small>		
27 51 Distributed Audio-Video Communications Systems <small>(27 50)</small>		
27 51 33 Sound Reinforcement <small>(27 51)</small>		
Note: Includes testing of new devices and certification.		
27 51 33 00-0001 Amplifiers <small>(27 51 33)</small>		
27 51 33 00-0002 EA 10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10)	297.31	70.28
27 51 33 00-0003 EA 35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35)	414.80	70.28
27 51 33 00-0004 EA 60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60)	490.23	70.28
27 51 33 00-0005 EA 100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100).....	544.03	70.28
27 51 33 00-0006 EA 150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150).....	674.42	70.28
27 51 33 00-0007 EA 250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250).....	869.40	70.28
27 51 33 00-0008 EA Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK)	34.63	3.52
27 51 33 00-0009 Speakers <small>(27 51 33)</small>		
27 51 33 00-0010 EA 8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W)	120.17	18.80
27 51 33 00-0011 EA 8" Steel Baffle (Atlas Sound 51-8)	37.16	3.51
27 51 33 00-0012 EA T-Bar Support (Atlas Sound EZ95-8).....	41.26	3.51
27 51 33 00-0013 EA 8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408)	63.25	3.51
27 51 33 00-0014 EA Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA)	60.26	6.32
27 51 33 00-0015 Accessories <small>(27 51 33)</small>		
27 51 33 00-0016 EA Microphone And Stand For Audio/Video System (Bogen MBS-1000A)	166.77	8.78
27 51 33 00-0017 EA 5 Disk CD Player For Audio/Video System (Bogen DCM290-P).....	372.46	8.78
27 51 33 00-0018 EA Weather Proof Horn For Audio/Video System (Bogen SPT5A)	97.57	17.57
27 51 33 00-0019 EA Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A)	177.58	17.57
27 51 33 00-0020 EA Headset Microphone For Audio/Video System (Audio Technica Pro8Hex)	130.78	17.54
27 51 33 00-0021 EA Microphone Jack For Audio/Video System	62.50	17.57
27 51 33 00-0022 EA Terminal Cabinet For Audio/Video System (Atlas 121-18)	512.15	70.28
27 51 33 00-0023 EA Volume Control For Audio/Video System (Bogen AT10A).....	59.91	17.57
27 51 33 00-0024 Remove And Reinstall Speakers <small>(27 51 33)</small>		
Note: Includes storage, cleaning and supply materials.		
27 51 33 00-0025 EA Removal And Reinstallation Of Ceiling Mounted Speaker.....		98.20
27 53 Distributed Systems <small>(27 50)</small>		
27 53 13 Clock Systems <small>(27 53)</small>		
27 53 13 00-0001 Wired Self-Corrective Clock Systems <small>(27 53 13)</small>		
27 53 13 00-0002 Wired Self-Corrective Clocks <small>(27 53 13 00-0001)</small>		
27 53 13 00-0003 Analog, Wired Self-Corrective Clocks (Telecor) <small>(27 53 13 00-0002)</small>		
27 53 13 00-0004 24 Volt AC, Analog, Wired Self-Corrective Clocks <small>(27 53 13 00-0003)</small>		
27 53 13 00-0005 EA 12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	165.42	17.54
For >50 To 100, Deduct	-10.46	
For >100, Deduct	-15.68	
27 53 13 00-0006 EA 12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	398.07	17.54
For >50 To 100, Deduct	-19.77	
For >100, Deduct	-34.29	
27 53 13 00-0007 EA 16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	208.32	17.54
For >50 To 100, Deduct	-13.91	
For >100, Deduct	-20.84	
27 53 13 00-0008 EA 16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	526.77	17.54
For >50 To 100, Deduct	-54.42	
For >100, Deduct	-74.09	
27 53 13 00-0009 120 Volt AC, Analog, Wired Self-Corrective Clocks <small>(27 53 13 00-0003)</small>		

27	Communications
27 50	Distributed Communications And Monitoring Systems
27 53	Distributed Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 00-0010 EA 12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	165.42	17.54
For >50 To 100, Deduct	-10.46	
For >100, Deduct	-15.68	
27 53 13 00-0011 EA 12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	398.07	17.54
For >50 To 100, Deduct	-19.77	
For >100, Deduct	-34.29	
27 53 13 00-0012 EA 16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	208.32	17.54
For >50 To 100, Deduct	-13.91	
For >100, Deduct	-20.84	
27 53 13 00-0013 EA 16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	526.77	17.54
For >50 To 100, Deduct	-54.42	
For >100, Deduct	-74.09	
27 53 13 00-0014 Accessories For Analog Wired Self-Corrective Clocks (27 53 13 00-0003)		
27 53 13 00-0015 EA Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks.....	137.16	8.76
27 53 13 00-0016 EA Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks	34.04	8.76
27 53 13 00-0017 EA Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks	43.53	8.76
27 53 13 00-0018 EA Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks	53.43	8.76
27 53 13 00-0019 EA Combination Back Box For Speaker And Clock.....	82.83	14.03
27 53 13 00-0020 Digital, Wired Self-Corrective Clocks (Telecor) (27 53 13 00-0002)		
27 53 13 00-0021 24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)		
27 53 13 00-0022 EA 2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	205.02	17.54
For Surface Mount, Add	33.99	
For >50 To 100, Deduct	-10.20	
For >100, Deduct	-17.00	
27 53 13 00-0023 EA 4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	317.22	17.54
For Surface Mount, Add	56.43	
For >50 To 100, Deduct	-16.93	
For >100, Deduct	-28.22	
27 53 13 00-0024 120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)		
27 53 13 00-0025 EA 2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	205.02	17.54
For Surface Mount, Add	33.99	
For >50 To 100, Deduct	-10.20	
For >100, Deduct	-17.00	
27 53 13 00-0026 EA 4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	317.22	17.54
For Surface Mount, Add	56.43	
For >50 To 100, Deduct	-16.93	
For >100, Deduct	-28.22	
27 53 13 00-0027 Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)		
27 53 13 00-0028 EA 2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	174.91	17.54
For >50 To 100, Deduct	-8.39	
For >100, Deduct	-13.98	
27 53 13 00-0029 EA 4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	289.99	17.54
For >50 To 100, Deduct	-15.30	
For >100, Deduct	-25.49	
27 53 13 00-0030 Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)		
27 53 13 00-0031 EA 2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	174.91	17.54
For >50 To 100, Deduct	-8.39	
For >100, Deduct	-13.98	
27 53 13 00-0032 EA 4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	289.99	17.54
For >50 To 100, Deduct	-15.30	
For >100, Deduct	-25.49	
27 53 13 00-0033 Accessories For Digital Wired Self-Corrective Clocks (27 53 13 00-0020)		
27 53 13 00-0034 EA Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks.....	187.49	8.76
27 53 13 00-0035 EA 2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	43.94	8.76
27 53 13 00-0036 EA 4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	61.26	8.76
27 53 13 00-0037 EA Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks	163.56	8.76
27 53 13 00-0038 EA 4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks.....	45.18	8.76
27 53 13 00-0039 Wired Self-Corrective Master Clocks (27 53 13 00-0001)		
27 53 13 00-0040 Wired Self-Corrective Master Clocks (27 53 13 00-0039)		
27 53 13 00-0041 EA 24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24).....	1,927.28	140.29
27 53 13 00-0042 EA 120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120).....	2,051.03	140.29
27 53 13 00-0043 Accessories For Wired Self-Corrective Master Clocks (27 53 13 00-0039)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 00-0044 EA 5 Amp Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405).....	195.14	35.07
27 53 13 00-0045 EA 10 Amp Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406).....	221.13	35.07
27 53 13 00-0046 GPS Wireless Clock Systems (27 53 13)		
27 53 13 00-0047 Wireless Synchronized Clocks (27 53 13 00-0046)		
27 53 13 00-0048 Analog, Wireless Synchronized Clocks (Primex Traditional Series) (27 53 13 00-0047)		
27 53 13 00-0049 EA 12.5", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock.....	194.57	17.54
<i>For >100 To 250, Deduct</i>	-33.96	
<i>For >250, Deduct</i>	-40.34	
27 53 13 00-0050 EA 12.5", Battery Operated, Dual Sided, Analog, Wireless Synchronized Clock	354.07	17.54
<i>For >100 To 250, Deduct</i>	-22.79	
<i>For >250, Deduct</i>	-27.58	
27 53 13 00-0051 EA 16", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock.....	227.57	17.54
<i>For >100 To 250, Deduct</i>	-39.90	
<i>For >250, Deduct</i>	-47.60	
27 53 13 00-0052 EA 12.5", Electric, Single Sided, Analog, Wireless Synchronized Clock	222.07	17.54
<i>For >100 To 250, Deduct</i>	-38.91	
<i>For >250, Deduct</i>	-46.39	
27 53 13 00-0053 EA 12.5", Electric, Dual Sided, Analog, Wireless Synchronized Clock.....	409.07	17.54
<i>For >100 To 250, Deduct</i>	-25.82	
<i>For >250, Deduct</i>	-31.43	
27 53 13 00-0054 EA 16", Electric, Single Sided, Analog, Wireless Synchronized Clock	255.07	17.54
<i>For >100 To 250, Deduct</i>	-29.45	
<i>For >250, Deduct</i>	-38.25	
27 53 13 00-0055 Digital, Wireless Synchronized Clocks (Primex Digital Series) (27 53 13 00-0047)		
27 53 13 00-0056 4-Digit, Digital, Wireless Synchronized Clocks (27 53 13 00-0055)		
27 53 13 00-0057 EA 2.5", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	288.07	17.54
<i>For Green LED, Add</i>	25.30	
<i>For >100 To 250, Deduct</i>	-25.49	
<i>For >250, Deduct</i>	-38.14	
27 53 13 00-0058 EA 2.5", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	541.07	17.54
<i>For Green LED, Add</i>	50.60	
<i>For >100 To 250, Deduct</i>	-55.85	
<i>For >250, Deduct</i>	-141.87	
27 53 13 00-0059 EA 4", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	321.07	17.54
<i>For Green LED, Add</i>	28.60	
<i>For >100 To 250, Deduct</i>	-18.12	
<i>For >250, Deduct</i>	-26.70	
27 53 13 00-0060 EA 4", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	607.07	17.54
<i>For Green LED, Add</i>	57.20	
<i>For >100 To 250, Deduct</i>	-51.01	
<i>For >250, Deduct</i>	-159.69	
27 53 13 00-0061 6-Digit, Digital, Wireless Synchronized Clocks (27 53 13 00-0055)		
27 53 13 00-0062 EA 2.5", Single Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock	321.07	17.54
<i>For Green LED, Add</i>	28.60	
<i>For >100 To 250, Deduct</i>	-20.98	
<i>For >250, Deduct</i>	-30.13	
27 53 13 00-0063 EA 2.5", Dual Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock.....	607.07	17.54
<i>For Green LED, Add</i>	57.20	
<i>For >100 To 250, Deduct</i>	-45.86	
<i>For >250, Deduct</i>	-108.21	
27 53 13 00-0064 EA 2.5", Flush Mount, 6-Digit, Red LED Digital, Wireless Synchronized Clock.....	376.07	17.54
<i>For Green LED, Add</i>	34.10	
<i>For >100 To 250, Deduct</i>	-17.18	
<i>For >250, Deduct</i>	-25.71	
27 53 13 00-0065 EA 4", Single Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock	354.07	17.54
<i>For Green LED, Add</i>	31.90	
<i>For >100 To 250, Deduct</i>	-16.41	
<i>For >250, Deduct</i>	-24.39	
27 53 13 00-0066 Wire Guards For Wireless Synchronized Clocks (27 53 13 00-0047)		
27 53 13 00-0067 EA 18" x 18" Analog Clock Wire Guard For 16" Wireless Synchronized Clocks	100.04	8.76
27 53 13 00-0068 EA Digital Clock Wire Guard For 2.5" Wireless Synchronized Clocks.....	45.04	8.76
27 53 13 00-0069 EA Digital Clock Wire Guard For 4" Wireless Synchronized Clocks.....	50.54	8.76
27 53 13 00-0070 Wireless Synchronized Clock Transmitters (27 53 13 00-0046)		
27 53 13 00-0071 Wireless Synchronized Clock Transmitters (27 53 13 00-0070)		
Note: Includes 16 channel transmitter with daylight savings bypass and time zone switch, GPS receiver, 16' cable and window installation hardware.		
27 53 13 00-0072 EA Internal Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000).....	2,189.72	52.61
<i>For Roof Mounted GPS Receiver, Add</i>	313.39	

27 Communications**27 50 Distributed Communications And Monitoring Systems****27 53 Distributed Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 00-0073 EA External Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000-E).....	3,570.22	52.61
Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection.		
<i>For Roof Mounted GPS Receiver, Add</i>	<i>451.44</i>	
27 53 13 00-0074 EA Repeater, Satellite Transmitter (Primex 14006).....	2,154.65	35.07
Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection.		
27 53 13 00-0075 Accessories For Wireless Synchronized Clock Transmitters (27 53 13 00-0070)		
27 53 13 00-0076 EA External Antenna Mounting Kit For Wireless Synchronized Clock Transmitters	193.05	14.03
27 53 13 00-0077 EA Transmitter Rack For Wireless Synchronized Clock Transmitters	85.25	14.03
27 53 13 00-0078 EA Surge Protector And Battery Back Up For Wireless Synchronized Clock Transmitters	130.22	7.02
27 53 13 00-0079 EA 50' GPS Receiver Cable For Wireless Synchronized Clock Transmitters.....	108.77	17.54
27 53 13 00-0080 EA 100' GPS Receiver Cable For Wireless Synchronized Clock Transmitters.....	151.61	26.31
27 53 13 00-0081 EA 200' GPS Receiver Cable For Wireless Synchronized Clock Transmitters.....	224.15	35.07
27 53 13 00-0082 Other Clock And Program Systems (27 53 13)		
27 53 13 00-0083 EA 4 Circuit Master Clock And Signal Control (Lathem LTR4-512)	1,011.69	70.15
27 53 13 00-0084 EA 8 Circuit Master Clock And Signal Control (Lathem LTR8-512).....	1,234.60	140.29
27 53 13 00-0085 EA Program Bell (Lathem 906-6).....	154.06	35.07
27 53 13 00-0086 EA Combination Clock And Speaker	351.40	87.68

END OF SECTION 27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 Electronic Safety And Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

28 05 Common Work Results For Electronic Safety And Security ⁽²⁸⁾

28 05 13 Conductors And Cables For Electronic Safety And Security ^(28 05)

28 05 13 13 **CCTV Communications Conductors And Cables** ^(28 05 13)

See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 14 00 00-0000 for conductors and cables.

28 05 13 16 **Access Control Communications Conductors And Cables** ^(28 05 13)

See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 14 00 00-0000 for conductors and cables.

28 05 13 19 **Intrusion Detection Communications Conductors And Cables** ^(28 05 13)

See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 14 00 00-0000 for conductors and cables, 28 05 13 23-0000 for Type FPLP.

28 05 13 23 **Fire Alarm Communications Conductors And Cables** ^(28 05 13)

28 05 13 23-0001 **Fire Alarm/Life Safety Cable** ^(28 05 13 23)

28 05 13 23-0002 **Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable** ^(28 05 13 23-0001)

28 05 13 23-0003 **Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit** ^(28 05 13 23-0002)

28 05 13 23-0004	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,199.29	477.27
28 05 13 23-0005	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,495.82	494.53
28 05 13 23-0006	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,367.96	542.50
28 05 13 23-0007	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,842.73	561.87
28 05 13 23-0008	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,575.66	607.32
28 05 13 23-0009	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,253.29	629.20
28 05 13 23-0010	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,039.50	694.44
28 05 13 23-0011	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,094.66	719.20

28 05 13 23-0012 **Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed** ^(28 05 13 23-0002)

28 05 13 23-0013	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,994.74	954.68
28 05 13 23-0014	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,320.03	989.06
28 05 13 23-0015	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,272.14	1,085.15
28 05 13 23-0016	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,779.16	1,123.73
28 05 13 23-0017	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,587.86	1,214.92
28 05 13 23-0018	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,301.97	1,258.41
28 05 13 23-0019	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,196.90	1,388.88
28 05 13 23-0020	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,293.44	1,438.68

28 05 13 23-0021 **Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit** ^(28 05 13 23-0001)

28 05 13 23-0022	MLF	2/c #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	738.79	390.57
28 05 13 23-0023	MLF	4/c #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	803.45	404.46
28 05 13 23-0024	MLF	2/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	898.25	477.27
28 05 13 23-0025	MLF	3/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	963.79	485.89
28 05 13 23-0026	MLF	4/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,002.77	494.53
28 05 13 23-0027	MLF	6/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,131.06	511.78

28 Electronic Safety And Security
28 05 Common Work Results For Electronic Safety And Security
28 05 13 Conductors And Cables For Electronic Safety And Security



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 05 13 23-0028 MLF 8/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,317.04	529.04
28 05 13 23-0029 MLF 2/c #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,051.57	542.50
28 05 13 23-0030 MLF 4/c #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,194.79	561.87
28 05 13 23-0031 MLF 2/c #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,223.45	607.32
28 05 13 23-0032 MLF 4/c #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,449.25	629.20
28 05 13 23-0033 MLF 2/c #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,504.90	694.44
28 05 13 23-0034 MLF 4/c #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,871.71	719.20
28 05 13 23-0035 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable (28 05 13 23-0001)		
28 05 13 23-0036 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (28 05 13 23-0035)		
28 05 13 23-0037 MLF 2/c #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	731.88	390.57
28 05 13 23-0038 MLF 2/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	893.76	477.27
28 05 13 23-0039 MLF 3/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,007.19	485.89
28 05 13 23-0040 MLF 4/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,014.79	494.53
28 05 13 23-0041 MLF 6/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,193.79	511.78
28 05 13 23-0042 MLF 2/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,044.79	542.50
28 05 13 23-0043 MLF 4/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,210.02	561.87
28 05 13 23-0044 MLF 2/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,192.90	607.32
28 05 13 23-0045 MLF 4/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,570.66	629.20
28 05 13 23-0046 MLF 2/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,494.92	694.44
28 05 13 23-0047 MLF 4/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,056.01	719.20
28 05 13 23-0048 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed (28 05 13 23-0035)		
28 05 13 23-0049 MLF 2/c #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,382.83	781.42
28 05 13 23-0050 MLF 2/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,689.21	954.68
28 05 13 23-0051 MLF 3/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,816.67	971.52
28 05 13 23-0052 MLF 4/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,839.00	989.06
28 05 13 23-0053 MLF 6/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,046.76	1,023.43
28 05 13 23-0054 MLF 2/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,948.97	1,085.15
28 05 13 23-0055 MLF 4/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,146.45	1,123.73
28 05 13 23-0056 MLF 2/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,205.10	1,214.92
28 05 13 23-0057 MLF 4/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,619.34	1,258.41
28 05 13 23-0058 MLF 2/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,652.32	1,388.88
28 05 13 23-0059 MLF 4/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,254.79	1,438.68
28 05 13 23-0060 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable (28 05 13 23-0001)		
28 05 13 23-0061 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (28 05 13 23-0060)		
28 05 13 23-0062 MLF 2/c #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	760.34	390.57
28 05 13 23-0063 MLF 2/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	914.08	477.27
28 05 13 23-0064 MLF 3/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,082.63	485.89
28 05 13 23-0065 MLF 4/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,035.59	494.53
28 05 13 23-0066 MLF 6/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,215.06	511.78
28 05 13 23-0067 MLF 2/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,091.49	542.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 05 13 23-0068 MLF 4/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,231.62	561.87
28 05 13 23-0069 MLF 2/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,293.64	607.32
28 05 13 23-0070 MLF 4/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,520.15	629.20
28 05 13 23-0071 MLF 2/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,569.46	694.44
28 05 13 23-0072 MLF 4/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,902.65	719.20
28 05 13 23-0073 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed <small>(28 05 13 23-0069)</small>		
28 05 13 23-0074 MLF 2/c #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,411.29	781.42
28 05 13 23-0075 MLF 2/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,709.53	954.68
28 05 13 23-0076 MLF 3/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,892.11	971.52
28 05 13 23-0077 MLF 4/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,859.80	989.06
28 05 13 23-0078 MLF 6/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,068.03	1,023.43
28 05 13 23-0079 MLF 2/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,995.67	1,085.15
28 05 13 23-0080 MLF 4/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,168.05	1,123.73
28 05 13 23-0081 MLF 2/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,305.84	1,214.92
28 05 13 23-0082 MLF 4/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,568.83	1,258.41
28 05 13 23-0083 MLF 2/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,726.86	1,388.88
28 05 13 23-0084 MLF 4/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,101.43	1,438.68
28 05 13 23-0085 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable <small>(28 05 13 23-0001)</small>		
28 05 13 23-0086 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit <small>(28 05 13 23-0085)</small>		
28 05 13 23-0087 MLF 2/c #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	722.15	390.57
28 05 13 23-0088 MLF 2/c #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	908.05	477.27
28 05 13 23-0089 MLF 3/c #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	978.18	485.89
28 05 13 23-0090 MLF 4/c #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,037.21	494.53
28 05 13 23-0091 MLF 6/c #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,166.37	511.78
28 05 13 23-0092 MLF 2/c #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,046.97	542.50
28 05 13 23-0093 MLF 4/c #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,223.25	561.87
28 05 13 23-0094 MLF 2/c #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,224.10	607.32
28 05 13 23-0095 MLF 4/c #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,539.97	629.20
28 05 13 23-0096 MLF 2/c #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,469.70	694.44
28 05 13 23-0097 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed <small>(28 05 13 23-0085)</small>		
28 05 13 23-0098 MLF 2/c #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,373.10	781.42
28 05 13 23-0099 MLF 2/c #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,703.50	954.68
28 05 13 23-0100 MLF 3/c #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,787.66	971.52
28 05 13 23-0101 MLF 4/c #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,861.42	989.06
28 05 13 23-0102 MLF 6/c #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,019.34	1,023.43
28 05 13 23-0103 MLF 2/c #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,951.15	1,085.15
28 05 13 23-0104 MLF 4/c #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,159.68	1,123.73
28 05 13 23-0105 MLF 2/c #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,236.30	1,214.92
28 05 13 23-0106 MLF 4/c #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,588.65	1,258.41
28 05 13 23-0107 MLF 2/c #12 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,627.10	1,388.88
28 05 26 Grounding And Bonding For Electronic Safety And Security <small>(28 05)</small> See CSI section 26 05 26 00-0000 for grounding and bonding.		
28 05 28 Pathways For Electronic Safety And Security <small>(28 05)</small>		
28 05 28 29 Hangers And Supports For Electronic Safety And Security <small>(28 05 28)</small> See CSI section 26 05 29 00-0000 for hangers and supports.		
28 05 28 33 Conduits And Backboxes For Electronic Safety And Security <small>(28 05 28)</small> See CSI section 26 05 33 13-0000 for conduits.		

28 Electronic Safety And Security
28 05 Common Work Results For Electronic Safety And Security
28 05 28 Pathways For Electronic Safety And Security



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 05 28 36		Cable Trays For Electronic Safety And Security (28 05 28) See CSI section 26 05 36 00-0000 for cable trays.		
28 05 28 39		Surface Raceways For Electronic Safety And Security (28 05 28) See CSI section 26 05 33 23-0000 for surface raceways.		
28 05 53		Identification For Electronic Safety And Security (28 05) See CSI section 26 05 53 00-0000 for identification.		
28 10		Access Control (28) Note: Includes testing of new devices and certification.		
28 15		Access Control Hardware Devices (28 10)		
28 15 11		Integrated Credential Readers and Field Entry Management (28 15)		
28 15 11 13		Keypads (28 15 11)		
28 15 11 13-0001		Vindicator Security Alarm System (28 15 11 13)		
28 15 11 13-0002	EA	Switch, Balanced Magnetic Door (Security) Vindicator #192-30894-00.....	886.55	146.26
28 15 11 13-0003	EA	Detector, Passive Infrared (Security) Vindicator #316-30812-00.....	1,119.78	190.09
28 15 11 13-0004	EA	Premise Control Unit (Security) Vindicator #548-32004-01.....	5,924.89	416.66
28 15 11 13-0005	EA	Access Manager (Security Key Pad) Vindicator #548-31894-01.....	2,797.96	355.08
28 15 11 13-0006	EA	ALS Duress Switch (Security) Vindicator #192-30810-00.....	721.17	194.23
28 16		Access Control Interfaces (28 10)		
28 16 11		Access Control Interfaces to Access Control Hardware (28 16)		
28 16 11 00-0001		Stand Alone Access Controls (28 16 11)		
28 16 11 00-0002		Push Button Controls, Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0003		Interior Mount, Push Button Controls, Stand Alone Access Controls (28 16 11 00-0002)		
28 16 11 00-0004	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls Note: Controls mount to a standard mullion.	71.07	17.54
28 16 11 00-0005	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	74.07	17.54
28 16 11 00-0006	EA	Three Button, Push Button Controls, Interior Stand Alone Access Controls For Gate Operators Note: Controls mount into a single gang electrical box. Excludes electrical box.	91.32	17.54
28 16 11 00-0007		Exterior Mount, Push Button Controls, Stand Alone Access Controls (28 16 11 00-0002)		
28 16 11 00-0008	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	87.07	17.54
28 16 11 00-0009	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls Note: Includes post, mounting base and push button control. Excludes concrete foundation.	404.22	52.61
28 16 11 00-0010	EA	Three Button, Exterior Stand Alone Access Controls For Gate Operators..... Note: Includes open, close and stop controls.	136.32	17.54
28 16 11 00-0011		Key Controls, Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0012		Interior Mount, Key Controls, Stand Alone Access Controls (28 16 11 00-0011)		
28 16 11 00-0013	EA	Standard Mortise Key, Key Controls, Interior Stand Alone Access Controls..... Note: Controls mount into a single gang electrical box. Excludes electrical box.	96.95	17.54
28 16 11 00-0014		Exterior Mount, Key Controls, Stand Alone Access Controls (28 16 11 00-0011)		
28 16 11 00-0015	EA	Postal Or Fire Department Lock Box, Key Controls, Exterior Stand Alone Access Controls Note: Opens door or gate with a postal or fire department key.	152.65	35.07
28 16 11 00-0016	EA	Standard Mortise Key, Key Controls, Exterior Stand Alone Access Controls	232.15	35.07
28 16 11 00-0017	EA	Ace Key, Key Controls, Exterior Stand Alone Access Controls	232.15	35.07
28 16 11 00-0018	EA	Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand Alone Access Controls.....	346.15	35.07
28 16 11 00-0019		Keypad Controls, Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0020		Interior Mount, Keypad Controls, Stand Alone Access Controls (28 16 11 00-0019)		
28 16 11 00-0021	EA	One Code Memory, Keypad Control, Interior Stand Alone Access Controls..... Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.	132.57	17.54
28 16 11 00-0022		Exterior Mount, Keypad Controls, Stand Alone Access Controls (28 16 11 00-0019)		
28 16 11 00-0023		Keypad Controls, Exterior Stand Alone Access Controls (28 16 11 00-0022)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0024 EA 1000 Code Memory, Keypad Control, Exterior Stand Alone Access Controls..... Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes. <i>For Flush Mount, Add</i>	552.79 92.81	70.15
28 16 11 00-0025 Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls <small>(28 16 11 00-0022)</small> Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0026 EA 1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls..... Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes. <i>For Flush Mount, Add</i>	667.83 114.75	78.91
28 16 11 00-0027 RF Controls, Stand Alone Access Controls <small>(28 16 11 00-0001)</small>		
28 16 11 00-0028 Exterior Mount, RF Controls, Stand Alone Access Controls <small>(28 16 11 00-0027)</small> Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0029 RF Receivers, RF Controls, Exterior Stand Alone Access Controls <small>(28 16 11 00-0028)</small> Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0030 EA 50 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	342.79	70.15
28 16 11 00-0031 EA 100 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	383.29	70.15
28 16 11 00-0032 EA 250 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	422.29	70.15
28 16 11 00-0033 EA 500 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	464.29	70.15
28 16 11 00-0034 EA 1000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	503.29	70.15
28 16 11 00-0035 EA 5000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	545.29	70.15
28 16 11 00-0036 EA 16000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	584.29	70.15
28 16 11 00-0037 RF Transmitters, RF Controls, Exterior Stand Alone Access Controls <small>(28 16 11 00-0028)</small>		
28 16 11 00-0038 EA 1 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls..... <i>For >40 To 110, Deduct</i> <i>For >110, Deduct</i> <i>For Built In Proximity Tags, Add</i>	25.50 -1.28 -2.55 5.10	
28 16 11 00-0039 EA 2 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls..... <i>For >40 To 110, Deduct</i> <i>For >110, Deduct</i> <i>For Built In Proximity Tags, Add</i>	27.00 -1.35 -2.70 5.40	
28 16 11 00-0040 EA 3 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls..... <i>For >40 To 110, Deduct</i> <i>For >110, Deduct</i> <i>For Built In Proximity Tags, Add</i>	28.50 -1.43 -2.85 5.70	
28 16 11 00-0041 Accessories For RF Receivers, Exterior Stand Alone Access Controls <small>(28 16 11 00-0028)</small>		
28 16 11 00-0042 EA Coax Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls Note: Includes 15' of coax cable.	141.22	52.61
28 16 11 00-0043 EA Antenna Amplifier For RF Receivers, Exterior Stand Alone Access Controls..... Note: Includes 20' of coax cable.	255.22	52.61
28 16 11 00-0044 EA Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls Note: Includes 15' of coax cable.	234.22	52.61
28 16 11 00-0045 Proximity Card Controls, Stand Alone Access Controls <small>(28 16 11 00-0001)</small>		
28 16 11 00-0046 Exterior Mount, Proximity Card Controls, Stand Alone Access Controls <small>(28 16 11 00-0045)</small> Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0047 DKS Proximity Card Controls, Exterior Stand Alone Access Controls <small>(28 16 11 00-0046)</small>		
28 16 11 00-0048 DKS Proximity Card Readers, Exterior Stand Alone Access Controls <small>(28 16 11 00-0047)</small>		
28 16 11 00-0049 EA DKS Proximity Card Reader, Exterior Stand Alone Access Controls.....	627.79	70.15
28 16 11 00-0050 AWID Proximity Card Controls, Exterior Stand Alone Access Controls <small>(28 16 11 00-0046)</small>		
28 16 11 00-0051 AWID Proximity Card Readers, Exterior Stand Alone Access Controls <small>(28 16 11 00-0050)</small>		
28 16 11 00-0052 EA AWID Proximity Card Reader, Exterior Stand Alone Access Controls.....	680.29	70.15
28 16 11 00-0053 HID Proximity Card Controls, Exterior Stand Alone Access Controls <small>(28 16 11 00-0046)</small>		
28 16 11 00-0054 HID Proximity Card Readers, Exterior Stand Alone Access Controls <small>(28 16 11 00-0053)</small>		
28 16 11 00-0055 EA HID Proximity Card Reader, Exterior Stand Alone Access Controls.....	800.29	70.15
28 16 11 00-0056 Magnetic Stripe Card Controls, Stand Alone Access Controls <small>(28 16 11 00-0001)</small>		

28 Electronic Safety And Security**28 10 Access Control****28 16 Access Control Interfaces**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0057 Interior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls (28 16 11 00-0056)		
28 16 11 00-0058 EA Magnetic Stripe Reader, Interior Stand Alone Access Controls.....	387.79	70.15
28 16 11 00-0059 Exterior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls (28 16 11 00-0056)		
Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0060 EA Magnetic Stripe Reader, Exterior Stand Alone Access Controls.....	472.49	70.15
28 16 11 00-0061 Other Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0062 EA Toggle Switch, Interior Access Controls For Gate Operators.....	68.82	17.54
Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0063 Wiegand Output Access Controls (28 16 11)		
Note: Excludes controllers.		
28 16 11 00-0064 Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0063)		
28 16 11 00-0065 DKS, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0064)		
28 16 11 00-0066 DKS, Proximity Cards (28 16 11 00-0065)		
28 16 11 00-0067 EA Clamshell Type, DKS Proximity Card (DKS 170).....	3.99	
28 16 11 00-0068 EA ISO Compliant Graphics Card, DKS Proximity Card (DKS 80).....	6.58	
28 16 11 00-0069 EA DKS Proximity Key Fob (DKS 50).....	6.93	
28 16 11 00-0070 EA Active Tag, DKS Proximity Tag (DKS 150).....	39.20	
Note: Battery powered tag to boost signal.		
28 16 11 00-0071 EA Active Tag, DKS Proximity Tag (DKS 200).....	51.10	
Note: Battery powered tag to boost signal.		
28 16 11 00-0072 DKS, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0065)		
28 16 11 00-0073 EA Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small).....	255.16	87.68
28 16 11 00-0074 EA Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion).....	255.16	87.68
28 16 11 00-0075 EA Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang).....	255.16	87.68
28 16 11 00-0076 EA Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS).....	628.96	87.68
Note: Includes mounting bracket and 12 VDC regulated power supply.		
28 16 11 00-0077 AWID, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0064)		
28 16 11 00-0078 AWID, Proximity Cards (28 16 11 00-0077)		
28 16 11 00-0079 EA Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS).....	3.36	
28 16 11 00-0080 EA ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR).....	5.25	
28 16 11 00-0081 EA AWID Proximity Key Fob (AWID Prox-Linc KT).....	5.60	
28 16 11 00-0082 EA Windshield Tag For LR 2000 Readers, AWID Proximity Tag.....	19.60	
28 16 11 00-0083 EA Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag.....	19.60	
28 16 11 00-0084 AWID, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0077)		
28 16 11 00-0085 EA Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400).....	301.36	87.68
Note: For mullion mounting.		
28 16 11 00-0086 EA Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800).....	402.16	87.68
Note: For mullion mounting.		
28 16 11 00-0087 EA Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820).....	402.16	87.68
Note: For single gang electrical box mounting.		
28 16 11 00-0088 EA Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824).....	630.36	87.68
Note: Includes 12 VDC regulated power supply.		
28 16 11 00-0089 EA Up To 11' Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000).....	3,368.76	87.68
Note: Includes mounting bracket and 12 VDC regulated power supply.		
28 16 11 00-0090 HID, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0064)		
28 16 11 00-0091 HID, Proximity Cards (28 16 11 00-0090)		
28 16 11 00-0092 EA Clamshell Type, HID Proximity Card (HID ProxCard II).....	9.32	
28 16 11 00-0093 EA ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II).....	11.84	
28 16 11 00-0094 EA HID Proximity Key Fob (HID ProxKey II).....	12.12	
28 16 11 00-0095 HID, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0090)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0096 EA Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus).....	298.55	87.68
Note: For mullion mounting. (HID P/N 6005).		
28 16 11 00-0097 EA Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II).....	348.33	87.68
Note: For single gang electrical box mounting. (HID P/N 5395).		
28 16 11 00-0098 EA Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx).....	385.66	87.68
Note: For mullion mounting. (HID P/N 5365).		
28 16 11 00-0099 EA EntryProx Single-Door Proximity Access Control.....	486.45	87.68
Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.		
28 16 11 00-0100 Contactless Smart Card Controls, Wiegand Output Access Controls <small>(28 16 11 00-0063)</small>		
28 16 11 00-0101 HID, Contactless Smart Cards <small>(28 16 11 00-0100)</small>		
28 16 11 00-0102 EA 2K Bits, Clamshell Type, HID iClass, Contactless Smart Card.....	6.16	
28 16 11 00-0103 EA 16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card.....	6.72	
28 16 11 00-0104 EA 16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card.....	8.80	
28 16 11 00-0105 EA 16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card.....	4.76	
Note: Battery powered tag to boost signal.		
28 16 11 00-0106 HID, Contactless Smart Card Readers, Wiegand Output Access Controls <small>(28 16 11 00-0100)</small>		
28 16 11 00-0107 EA Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10).....	286.46	87.68
Note: For mullion mounting.		
28 16 11 00-0108 EA Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40).....	378.86	87.68
Note: For mullion mounting.		
28 16 11 00-0109 EA Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40).....	586.76	87.68
Note: For mullion mounting.		
28 16 11 00-0110 HID, Contactless Smart Card Programmer, Wiegand Output Access Controls <small>(28 16 11 00-0100)</small>		
28 16 11 00-0111 EA HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400).....	1,756.06	87.68
Note: For mullion mounting.		
28 16 11 00-0112 Call Station Controls, Wiegand Output Access Controls <small>(28 16 11 00-0063)</small>		
Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0113 EA Call Station With Entry Keypad, Exterior Wiegand Output Access Controls.....	715.36	87.68
Note: For mullion mounting.		
28 16 11 00-0114 EA Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls.....	602.86	87.68
Note: For mullion mounting.		
28 16 11 00-0115 Biometrics Readers, Wiegand Output Access Controls <small>(28 16 11 00-0063)</small>		
28 16 11 00-0116 EA Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls.....	3,066.24	70.15
28 16 11 00-0117 EA CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls.....	3,738.59	70.15
28 16 11 00-0118 EA Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls.....	1,491.77	70.15
28 16 11 00-0119 EA Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass).....	904.79	70.15
28 16 11 00-0120 EA Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox).....	1,003.79	70.15
28 16 11 00-0121 EA Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart).....	904.79	70.15
28 16 11 00-0122 Exterior Mounting Posts For Gate Operator Access Controls <small>(28 16 11)</small>		
Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 16 11 00-0123 2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls <small>(28 16 11 00-0122)</small>		
28 16 11 00-0124 EA 44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	186.70	13.09
Note: Includes a 5" x 5" base plate.		
28 16 11 00-0125 EA 73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	363.70	13.09
Note: Includes an 8" x 8" base plate.		
28 16 11 00-0126 EA Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	168.70	13.09
Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0127 4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls <small>(28 16 11 00-0122)</small>		
28 16 11 00-0128 EA 59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls.....	335.20	13.09
Note: Includes an 8" x 8" base plate.		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0129 EA 49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls.....	401.20	13.09
Note: Includes an 8" x 8" base plate and a 14" offset from back of post.		
28 16 11 00-0130 EA Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls.....	243.70	13.09
Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0131 4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls ^(28 16 11 00-0122)		
28 16 11 00-0132 EA 59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	1,098.70	13.09
Note: Includes a 11" x 13" base plate.		
28 16 11 00-0133 EA 50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	1,151.20	13.09
Note: Includes a 10" x 14" base plate and a 14" offset from back of post.		
28 16 11 00-0134 EA Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	468.70	13.09
Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0135 EA 48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	753.70	13.09
28 16 11 00-0136 Access Control Accessories ^(28 16 11)		
28 16 11 00-0137 EA Modem: Multitech, Mt2834L.....	1,271.36	
28 16 11 00-0138 EA 6 Volt DC, 12 Volt DC, Or 24 Volt DC, @ 4 Amps, Power Supply/Charger (Altronix SMP-5).....	334.21	
28 16 11 00-0139 EA 12 Volt, 7 Amp, Battery.....	43.01	
28 16 11 00-0140 EA 12 Volt, 18 Amp, Battery.....	95.88	
28 16 11 00-0141 EA Door Personality Module (Sensormatic RM-4).....	363.34	17.54
28 16 11 00-0142 EA Mini-Alert Door Ajar Sounder (System Sensor PA400).....	151.95	35.07
28 16 11 00-0143 EA Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C).....	53.25	21.05
28 16 11 00-0144 EA Access Control Systems Power Supply (Altronix AL400ULACMCB).....	395.02	14.03
28 16 11 00-0145 EA Surge Suppressor (Tripp-Lite IBAR4).....	59.90	3.52
28 16 11 00-0146 EA Door Strike Relay (Altronix RBSN-TTL).....	44.37	14.03
28 16 11 00-0147 Access Controllers ^(28 16 11)		
28 16 11 00-0148 Microterm Controller ^(28 16 11 00-0147)		
28 16 11 00-0149 EA Microterm Stand Alone One Or Two Door Processing Panel (Continental Instruments CICIP1100).....	937.66	87.68
Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.		
28 16 11 00-0150 EA Microterm PC Board (Continental Instruments CICIP1100PCB).....	672.74	52.61
28 16 11 00-0151 EA Battery Standby For Microterm (Continental Instruments CICIP1100BAT-2).....	317.27	
Note: Input 120VAC, output 12VDC to temporarily power the Microterm only.		
28 16 11 00-0152 Miniterm Controller ^(28 16 11 00-0147)		
28 16 11 00-0153 EA Miniterm Two Reader Processing Panel (Continental Instrument CICIP1200).....	1,461.01	87.68
Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, temper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0154 EA Miniterm PC Board (Continental Instrument CICIP1200PCB).....	1,100.50	52.61
28 16 11 00-0155 Super-2 Controller ^(28 16 11 00-0147)		
28 16 11 00-0156 EA Super-Two - Two Reader Processing Panel (Continental Instruments CICIP1300).....	1,084.74	87.68
Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0157 EA Super-Two - PC Board (Continental Instruments CICIP1300BD).....	740.89	52.61
28 16 11 00-0158 EA Network Interface Board For Super-2 (Continental Instruments CICIP1300NETBD).....	208.15	52.61
Note: Optional on-board adapter allows for communication over TCP/IP.		
28 16 11 00-0159 Smarterm Controller ^(28 16 11 00-0147)		
28 16 11 00-0160 EA Smarterm Four Reader Processing Panel (Continental Instrument CICIP1400).....	3,057.42	105.22
Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0161 EA Smarterm PC Board (Continental Instrument CICIP1400PCB).....	2,347.35	52.61
28 16 11 00-0162 EA Smarterm Memory Board - 256K (Continental Instrument CICIP1400MB256-1).....	915.96	52.61
Note: Up to 10,000 cardholders.		
28 16 11 00-0163 EA Smarterm Memory Board - 2MB (Continental Instrument CICIP1400MB2-1).....	1,300.43	52.61
Note: Up to 50,000 cardholders.		
28 16 11 00-0164 EA Smarterm Relay Expander Board (Continental Instrument CICIP1400RB).....	1,012.33	52.61
Note: 16 Output relays, 8 alarm inputs.		
28 16 11 00-0165 EA Smarterm Alarm Expander Board (Continental Instrument CICIP1400RB).....	1,012.33	52.61
Note: (Supervised) 16 alarm inputs.		
28 16 11 00-0166 Superterm-4 Controller ^(28 16 11 00-0147)		
28 16 11 00-0167 EA Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400UL).....	2,822.80	105.22
Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.		
28 16 11 00-0168 EA Superterm-4 PC Board (Continental Instrument CICIP1400ULPCB).....	2,307.91	52.61
28 16 11 00-0169 Superterm-8 Controller ^(28 16 11 00-0147)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0170 EA Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800) Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	3,761.59	175.36
28 16 11 00-0171 EA Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800EXP)..... Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	4,081.99	175.36
28 16 11 00-0172 EA Superterm-8 PC Board (Continental Instrument CICIP1800PCB)	3,106.41	52.61
28 16 11 00-0173 Turbo Superterm-4 Controller <small>(28 16 11 00-0147)</small>		
28 16 11 00-0174 EA Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400ULT)..... Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	2,822.80	105.22
28 16 11 00-0175 EA Turbo Superterm-4 PC Board (Continental Instrument CICIP1400ULTPCB)	2,307.91	52.61
28 16 11 00-0176 Turbo Superterm-8 Controller <small>(28 16 11 00-0147)</small>		
28 16 11 00-0177 EA Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800T)..... Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	3,761.59	175.36
28 16 11 00-0178 EA Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800TEXP) Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	4,081.99	175.36
28 16 11 00-0179 EA Turbo Superterm-8 PC Board (Continental Instrument CICIP1800TPCB).....	3,106.41	52.61
28 16 11 00-0180 EA Superterm Memory Board - 2MB (Continental Instrument CICIP1800MB2)..... Note: Up to 140,000 cardholders.	1,300.43	52.61
28 16 11 00-0181 EA Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICIP1800MB2X2)..... Note: Up to 140,000 cardholders.	1,095.37	52.61
28 16 11 00-0182 EA Turbo Superterm-8 Relay Expander Board (Continental Instrument CICIP1800RB)..... Note: 16 Output relays, 8 alarm inputs.	1,013.37	52.61
28 16 11 00-0183 EA Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICIP1800RB)..... Note: (Supervised) 16 Alarm inputs.	1,013.37	52.61
28 16 11 00-0184 EA Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICIPXPWS)	410.97	
28 16 11 00-0185 Access Control Bundled System <small>(28 16 11)</small>		
28 16 11 00-0186 EA CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0) Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.	20,397.03	
28 16 11 00-0187 Magnetic Locks <small>(28 16 11)</small> Note: Excludes access controls.		
28 16 11 00-0188 Magnetic Door Locks <small>(28 16 11 00-0187)</small>		
28 16 11 00-0189 300 LB Magnetic Door Locks <small>(28 16 11 00-0188)</small>		
28 16 11 00-0190 EA Single Door, Surface Mount, 300 LB Magnetic Door Lock.....	318.79	70.15
28 16 11 00-0191 600 LB Magnetic Door Locks <small>(28 16 11 00-0188)</small>		
28 16 11 00-0192 EA Single Door, Surface Mount, 600 LB Magnetic Door Lock..... <i>For LED Status Indicator And Signal Relay, Add</i> <i>For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add</i> <i>For Mortise Mount, Deduct</i>	442.54 37.78 75.56 -60.45	70.15
28 16 11 00-0193 EA Dual Doors, Surface Mount, 600 LB Magnetic Door Lock <i>For LED Status Indicator And Signal Relay, Add</i> <i>For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add</i>	645.79 63.19 126.38	70.15
28 16 11 00-0194 1,200 LB Magnetic Door Locks <small>(28 16 11 00-0188)</small>		
28 16 11 00-0195 EA Single Door, Surface Mount, 1,200 LB Magnetic Door Lock..... <i>For LED Status Indicator And Signal Relay, Add</i> <i>For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add</i>	461.29 73.83 96.30	70.15
28 16 11 00-0196 EA Dual Doors, Surface Mount, 1,200 LB Magnetic Door Lock <i>For LED Status Indicator And Signal Relay, Add</i> <i>For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add</i>	686.29 125.58 163.80	70.15
28 16 11 00-0197 2,000 LB Shear Lock, Magnetic And Mechanical Locks <small>(28 16 11 00-0188)</small> Note: Includes LED status indicator and built-in signal relay.		
28 16 11 00-0198 EA Single Door, Mortise Mount, 2,000 LB Shear Lock, Magnetic And Mechanical Door Lock.....	481.54	70.15
28 16 11 00-0199 Magnetic Gate Locks <small>(28 16 11 00-0187)</small>		
28 16 11 00-0200 600 LB Magnetic Gate Locks <small>(28 16 11 00-0199)</small>		
28 16 11 00-0201 EA 600 LB Magnetic Gate Lock.....	368.29	70.15

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0202 1,200 LB Magnetic Gate Locks (28 16 11 00-0199)		
28 16 11 00-0203 EA 1,200 LB Magnetic Gate Lock.....	436.54	70.15
For LED Status Indicator And Signal Relay, Add	37.03	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	74.06	
For Mortise Mount, Deduct	-59.25	
28 16 11 00-0204 Magnetic Lock Power Supply And Chargers (28 16 11 00-0197)		
Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 16 11 00-0205 EA 12/24 Volt DC At 1 Amp, Magnetic Lock Backup Power Supply And Charger.....	280.97	70.15
28 16 11 00-0206 EA 12/24 Volt DC At 2-1/2 Amp, Magnetic Lock Backup Power Supply And Charger.....	348.97	70.15
28 16 11 00-0207 EA 12 Volt DC At 4 Amp And 24 Volt DC At 3 Amp, Magnetic Lock Backup Power Supply And Charger	388.97	70.15
28 16 11 00-0208 EA 12/24 Volt DC At 6 Amp, Magnetic Lock Backup Power Supply And Charger.....	480.97	70.15
28 16 11 00-0209 Master Door Buzzer Stations (28 16 11)		
28 16 11 00-0210 Master Stations (28 16 11 00-0209)		
28 16 11 00-0211 EA Master Stations, 5 Station Intercommunication Equipment.....	616.53	109.43
28 16 11 00-0212 EA Master Stations, 10 Station Intercommunication Equipment.....	935.81	211.84
28 16 11 00-0213 EA Master Station, Desk Style Remote Intercommunication Equipment.....	266.50	54.71
28 16 11 00-0214 EA Master Station, Flush Wall Remote Intercommunication Equipment	345.32	91.19
28 16 11 00-0215 EA Sound System Outlet, Protector.....	91.08	35.70
28 16 11 00-0216 EA Sound System Microphone Outlet	161.44	73.09
28 16 11 00-0217 EA Sound System Speaker Ceiling Or Wall	119.49	35.70
28 16 11 00-0218 EA Sound System Monitor Panel	342.90	73.09
28 16 11 00-0219 EA Sound System Volume Control.....	104.19	35.70
28 16 11 00-0220 EA Sound System Amplifier 250 W	1,577.31	292.29
28 16 11 00-0221 EA Sound System Cabinet	945.28	292.29
28 16 11 00-0222 Master Door Stations (28 16 11 00-0209)		
28 16 11 00-0223 EA Master Door Stations, Button Buzzer Type, 25 Station.....	1,413.94	
For Intercom Type Master Door Station, Add	109.16	
28 16 11 00-0224 EA Master Door Stations, Button Buzzer Type, 50 Station.....	2,343.08	
For Intercom Type Master Door Station, Add	176.83	
28 16 11 00-0225 EA Master Door Stations, Button Buzzer Type, 75 Station.....	3,220.15	
For Intercom Type Master Door Station, Add	229.22	
28 16 11 00-0226 EA Master Door Stations, Button Buzzer Type, 100 Station.....	3,678.62	
For Intercom Type Master Door Station, Add	268.52	
28 16 11 00-0227 EA Master Door Stations, Button Buzzer Type, 150 Station.....	4,441.35	
For Intercom Type Master Door Station, Add	392.96	
28 16 11 00-0228 EA Master Door Stations, Button Buzzer Type, 200 Station.....	5,195.53	
For Intercom Type Master Door Station, Add	506.48	
28 16 11 00-0229 EA Master Door Stations, Button Buzzer Type, 250 Station.....	6,534.56	
For Intercom Type Master Door Station, Add	654.93	
28 16 11 00-0230 EA Master Door Stations, Button Buzzer Type, 300 Station.....	7,817.34	
For Intercom Type Master Door Station, Add	750.99	
28 16 11 00-0231 EA Transformer	98.53	
28 16 11 00-0232 EA Door Opener.....	145.95	
28 16 11 00-0233 EA Buzzer With Door Release And Plate	181.04	
28 16 11 00-0234 EA Amplifier For Intercom Type Unit	288.23	
28 16 11 00-0235 EA Speaker With Door Release	122.18	
28 16 11 00-0236 Access Control Equipment (28 16 11)		
28 16 11 00-0237 EA Sielox Pinnacle Software With Web Seat License, AC-PNWWST.....	1,647.91	
28 16 11 00-0238 EA Proximity Reader, Universal Wire, 5 wire Conductor (HID 6005).....	114.51	26.36
28 16 11 00-0239 EA Proximity Card (HID Prox II) - Quantity Of 50	180.15	
28 16 11 00-0240 EA 32-Bit Terminal Controller (Sielox AC-1700-NN2).....	1,199.42	
28 16 11 00-0241 EA Single Output Power Supply For Terminal Controllers (Altronix AL600-ULX-FID).....	240.07	
28 16 11 00-0242 EA Single Output Power Supply For Door Locking Devices (Altronix AL600-ULMFID).....	481.76	
28 16 11 00-0243 EA 1000 VA UPS (APC Smart-UPS XL1000VA)	498.31	35.14
28 16 11 00-0244 EA Magnetic Door Contact Switch, Flush Mount (Sentrol 1078CT).....	12.68	3.52
28 16 11 00-0245 EA T-REX Request To Exit Motion Detector (Bosch DS160)	100.99	14.05
28 20 Video Surveillance (28)		
Note: Includes testing of new devices and certification.		
28 21 Surveillance Cameras (28 20)		
28 21 00 00-0001 Closed Circuit Television And Surveillance Systems (Pelco) (28 21)		
Note: Includes programming of equipment, testing of new devices and certification.		
28 21 00 00-0002 Cameras And Accessories (28 21 00 00-0001)		
28 21 00 00-0003 Cameras (28 21 00 00-0002)		
28 21 00 00-0004 1/3" Format Cameras (28 21 00 00-0003)		
28 21 00 00-0005 High Resolution Color, 1/3" Format Cameras (28 21 00 00-0004)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0006 EA Extended Dynamic Range, High Resolution Color, 1/3" Format Camera (Pelco CC3701H-2).....	335.08	17.57
28 21 00 00-0007 EA Low Light, Digital Slow Shutter, High Resolution Color, 1/3" Format Camera (Pelco CC3751H-2).....	450.62	17.57
28 21 00 00-0008 Compact, 1/3" Format Cameras (28 21 00 00-0003)		
28 21 00 00-0009 High Resolution Color, Compact, 1/3" Format Cameras (28 21 00 00-0008)		
28 21 00 00-0010 EA Wide Dynamic Range, High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco CCC1390H).....	540.23	17.57
28 21 00 00-0011 EA High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6).....	441.73	17.57
28 21 00 00-0012 Day/Night, Compact, 1/3" Format Cameras (28 21 00 00-0008)		
28 21 00 00-0013 EA High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6).....	257.32	17.57
28 21 00 00-0014 Camerapaks (28 21 00 00-0002) Note: Includes camera and lens.		
28 21 00 00-0015 Camerapaks (28 21 00 00-0014)		
28 21 00 00-0016 High Resolution Color, Camerapaks (28 21 00 00-0015)		
28 21 00 00-0017 Fixed Focus, High Resolution Color, Camerapaks (28 21 00 00-0016)		
28 21 00 00-0018 Manual Iris, Fixed Focus, High Resolution Color, Camerapaks (28 21 00 00-0017)		
28 21 00 00-0019 EA 2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3).....	337.30	17.57
28 21 00 00-0020 EA 2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8).....	316.57	17.57
28 21 00 00-0021 EA 4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4).....	306.94	17.57
28 21 00 00-0022 EA 8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8).....	304.72	17.57
28 21 00 00-0023 Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks (28 21 00 00-0017)		
28 21 00 00-0024 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A).....	368.41	17.57
28 21 00 00-0025 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A).....	337.30	17.57
28 21 00 00-0026 EA 4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A).....	329.90	17.57
28 21 00 00-0027 EA 8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A).....	323.97	17.57
28 21 00 00-0028 Varifocal, High Resolution Color, Camerapaks (28 21 00 00-0016)		
28 21 00 00-0029 Manual Iris, Varifocal, High Resolution Color, Camerapaks (28 21 00 00-0028)		
28 21 00 00-0030 EA 1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1).....	398.77	17.57
28 21 00 00-0031 EA 2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2).....	358.78	17.57
28 21 00 00-0032 EA 2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21).....	326.20	17.57
28 21 00 00-0033 EA 3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3).....	312.86	17.57
28 21 00 00-0034 EA 5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5).....	362.49	17.57
28 21 00 00-0035 Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks (28 21 00 00-0029)		
28 21 00 00-0036 EA 1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A).....	431.36	17.57
28 21 00 00-0037 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A).....	403.96	17.57
28 21 00 00-0038 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A).....	357.30	17.57
28 21 00 00-0039 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A).....	318.05	17.57
28 21 00 00-0040 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A).....	378.04	17.57
28 21 00 00-0041 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A).....	428.40	17.57
28 21 00 00-0042 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A).....	492.83	17.57
28 21 00 00-0043 Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks (28 21 00 00-0028)		
28 21 00 00-0044 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A).....	335.08	17.57
28 21 00 00-0045 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A).....	402.48	17.57
28 21 00 00-0046 High Resolution Day/Night, Camerapaks (28 21 00 00-0015)		
28 21 00 00-0047 Varifocal, High Resolution Day/Night, Camerapaks (28 21 00 00-0046)		
28 21 00 00-0048 Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks (28 21 00 00-0047)		
28 21 00 00-0049 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A).....	686.87	17.57
28 21 00 00-0050 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A).....	640.21	17.57
28 21 00 00-0051 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A).....	600.96	17.57
28 21 00 00-0052 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A).....	660.95	17.57
28 21 00 00-0053 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A).....	711.31	17.57
28 21 00 00-0054 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A).....	775.00	17.57

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0055 Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks <small>(28 21 00 00-0047)</small>		
28 21 00 00-0056 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A)	617.99	17.57
28 21 00 00-0057 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A)	685.39	17.57
28 21 00 00-0058 Compact Camerapaks <small>(28 21 00 00-0014)</small>		
28 21 00 00-0059 High Resolution Color, Compact Camerapaks <small>(28 21 00 00-0058)</small>		
28 21 00 00-0060 DSS, High Resolution Color, Compact Camerapaks <small>(28 21 00 00-0059)</small>		
28 21 00 00-0061 Fixed Focus, DSS, High Resolution Color, Camerapaks <small>(28 21 00 00-0060)</small>		
28 21 00 00-0062 Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks <small>(28 21 00 00-0061)</small>		
28 21 00 00-0063 EA 2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3)	530.60	17.57
28 21 00 00-0064 EA 2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8)	509.86	17.57
28 21 00 00-0065 EA 4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4)	499.50	17.57
28 21 00 00-0066 EA 8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8)	497.27	17.57
28 21 00 00-0067 Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks <small>(28 21 00 00-0061)</small>		
28 21 00 00-0068 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A)	560.97	17.57
28 21 00 00-0069 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A)	530.60	17.57
28 21 00 00-0070 EA 4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A)	523.20	17.57
28 21 00 00-0071 EA 8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A)	517.27	17.57
28 21 00 00-0072 Varifocal, DSS, High Resolution Color, Camerapaks <small>(28 21 00 00-0060)</small>		
28 21 00 00-0073 Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks <small>(28 21 00 00-0072)</small>		
28 21 00 00-0074 EA 1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1)	592.07	17.57
28 21 00 00-0075 EA 2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2)	551.34	17.57
28 21 00 00-0076 EA 2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21)	519.49	17.57
28 21 00 00-0077 EA 3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3)	506.16	17.57
28 21 00 00-0078 EA 5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5)	555.04	17.57
28 21 00 00-0079 EA 5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50)	586.89	17.57
28 21 00 00-0080 EA 5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55)	662.43	17.57
28 21 00 00-0081 Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks <small>(28 21 00 00-0072)</small>		
28 21 00 00-0082 EA 1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A)	623.92	17.57
28 21 00 00-0083 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A)	597.26	17.57
28 21 00 00-0084 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A)	550.60	17.57
28 21 00 00-0085 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A)	510.61	17.57
28 21 00 00-0086 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A)	571.33	17.57
28 21 00 00-0087 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A)	621.70	17.57
28 21 00 00-0088 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A)	685.39	17.57
28 21 00 00-0089 Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks <small>(28 21 00 00-0072)</small>		
28 21 00 00-0090 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A)	528.38	17.57
28 21 00 00-0091 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A)	595.77	17.57
28 21 00 00-0092 EDR, High Resolution Color, Compact Camerapaks <small>(28 21 00 00-0059)</small>		
28 21 00 00-0093 Fixed Focus, EDR, High Resolution Color, Camerapaks <small>(28 21 00 00-0092)</small>		
28 21 00 00-0094 Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks <small>(28 21 00 00-0093)</small>		
28 21 00 00-0095 EA 2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3)	530.60	17.57
28 21 00 00-0096 EA 2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8)	394.33	17.57
28 21 00 00-0097 EA 4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4)	383.96	17.57
28 21 00 00-0098 EA 8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8)	381.74	17.57
28 21 00 00-0099 Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks <small>(28 21 00 00-0093)</small>		
28 21 00 00-0100 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A)	445.43	17.57
28 21 00 00-0101 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A)	415.07	17.57
28 21 00 00-0102 EA 4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A)	407.66	17.57
28 21 00 00-0103 EA 8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A)	407.66	17.57



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0104			Varifocal, EDR, High Resolution Color, Camerapaks <small>(28 21 00 00-0092)</small>		
28 21 00 00-0105			Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks <small>(28 21 00 00-0104)</small>		
28 21 00 00-0106	EA		1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1).....	476.54	17.57
28 21 00 00-0107	EA		2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2).....	435.80	17.57
28 21 00 00-0108	EA		2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21).....	403.96	17.57
28 21 00 00-0109	EA		3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3).....	390.63	17.57
28 21 00 00-0110	EA		5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5).....	439.51	17.57
28 21 00 00-0111	EA		5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50).....	471.35	17.57
28 21 00 00-0112	EA		5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55).....	546.89	17.57
28 21 00 00-0113			Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks <small>(28 21 00 00-0104)</small>		
28 21 00 00-0114	EA		1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A).....	508.38	17.57
28 21 00 00-0115	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A).....	481.72	17.57
28 21 00 00-0116	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A).....	434.32	17.57
28 21 00 00-0117	EA		3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A).....	395.07	17.57
28 21 00 00-0118	EA		5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A).....	455.80	17.57
28 21 00 00-0119	EA		5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A).....	506.16	17.57
28 21 00 00-0120	EA		5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A).....	569.85	17.57
28 21 00 00-0121			Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks <small>(28 21 00 00-0104)</small>		
28 21 00 00-0122	EA		3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A).....	412.85	17.57
28 21 00 00-0123	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A).....	480.24	17.57
28 21 00 00-0124			High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0058)</small>		
28 21 00 00-0125			Fixed Focus, High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0124)</small>		
28 21 00 00-0126			Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0125)</small>		
28 21 00 00-0127	EA		8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8).....	489.13	17.57
28 21 00 00-0128			DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0125)</small>		
28 21 00 00-0129	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A).....	552.82	17.57
28 21 00 00-0130	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A).....	521.71	17.57
28 21 00 00-0131			Varifocal, High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0124)</small>		
28 21 00 00-0132			Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0131)</small>		
28 21 00 00-0133	EA		2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21).....	510.61	17.57
28 21 00 00-0134	EA		3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3).....	497.27	17.57
28 21 00 00-0135	EA		5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50).....	578.74	17.57
28 21 00 00-0136			Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0131)</small>		
28 21 00 00-0137	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A).....	588.37	17.57
28 21 00 00-0138	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A).....	541.71	17.57
28 21 00 00-0139	EA		3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A).....	502.46	17.57
28 21 00 00-0140	EA		5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A).....	562.45	17.57
28 21 00 00-0141	EA		5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A).....	612.81	17.57
28 21 00 00-0142	EA		5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A).....	677.24	17.57
28 21 00 00-0143			Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0131)</small>		
28 21 00 00-0144	EA		3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A).....	519.49	17.57
28 21 00 00-0145	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A).....	586.89	17.57
28 21 00 00-0146			Camera Systems <small>(28 21 00 00-0002)</small>		

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

28 21 00 00-0147		Camera Dome Systems <small>(28 21 00 00-0146)</small>		
28 21 00 00-0148		Spectra®, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0147)</small>		
28 21 00 00-0149		Spectra®, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0148)</small>		
		Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 00 00-0150		Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0149)</small>		
28 21 00 00-0151		Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0150)</small>		
28 21 00 00-0152	EA	22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB)	2,157.15	105.42
28 21 00 00-0153	EA	22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F)	2,460.79	105.42
28 21 00 00-0154	EA	22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB)	2,597.06	105.42
28 21 00 00-0155	EA	22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E).....	3,616.13	105.42
28 21 00 00-0156		Color, Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0150)</small>		
28 21 00 00-0157	EA	16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB)	1,812.77	105.42
28 21 00 00-0158	EA	16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F).....	1,966.07	105.42
28 21 00 00-0159	EA	16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB)	2,103.08	105.42
28 21 00 00-0160	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E).....	2,181.59	105.42
28 21 00 00-0161	EA	16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E)	2,181.59	105.42
28 21 00 00-0162	EA	22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB)	2,287.49	105.42
28 21 00 00-0163	EA	22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F)	2,591.88	105.42
28 21 00 00-0164	EA	22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB)	2,728.89	105.42
28 21 00 00-0165	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E).....	2,807.39	105.42
28 21 00 00-0166	EA	22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E).....	2,807.39	105.42
28 21 00 00-0167		Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0150)</small>		
28 21 00 00-0168	EA	23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB)	2,667.42	105.42
28 21 00 00-0169	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F).....	2,971.81	105.42
28 21 00 00-0170	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB)	3,108.82	105.42
28 21 00 00-0171	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E).....	3,187.32	105.42
28 21 00 00-0172	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E).....	3,187.32	105.42
28 21 00 00-0173		Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0150)</small>		
28 21 00 00-0174	EA	18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB).....	2,418.58	105.42
28 21 00 00-0175	EA	18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F).....	2,572.62	105.42
28 21 00 00-0176	EA	18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB).....	2,708.89	105.42
28 21 00 00-0177	EA	18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E).....	2,787.40	105.42
28 21 00 00-0178	EA	18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E).....	2,787.40	105.42
28 21 00 00-0179	EA	35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB).....	2,917.00	105.42
28 21 00 00-0180	EA	35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F).....	3,159.18	105.42
28 21 00 00-0181	EA	35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB).....	3,295.45	105.42
28 21 00 00-0182	EA	35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E).....	3,373.95	105.42
28 21 00 00-0183	EA	35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E).....	3,373.95	105.42
28 21 00 00-0184		Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0149)</small>		
28 21 00 00-0185		Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0184)</small>		
28 21 00 00-0186	EA	16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF).....	2,366.00	105.42
		For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0187	EA	16X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP).....	2,497.82	105.42
		For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0188	EA	16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE)	2,602.99	105.42
		For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0189	EA	22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF).....	2,945.89	105.42
		For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0190	EA	22X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP).....	3,077.71	105.42
		For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0191	EA	22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE)	3,183.62	105.42
		For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0192		Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0184)</small>		
28 21 00 00-0193	EA	18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF).....	2,971.81	105.42
		For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0194	EA	18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP).....	3,103.63	105.42
		For Protective Lower Dome Cage, Add	34.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0195 EA 18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE).....	3,209.54	105.42
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0196 EA 35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF)	3,513.19	105.42
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0197 EA 35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP)	3,644.27	105.42
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0198 EA 35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE).....	3,750.18	105.42
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0199 Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0149)		
28 21 00 00-0200 Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0199)		
28 21 00 00-0201 EA 18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE).....	3,944.21	105.42
28 21 00 00-0202 EA 35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE).....	4,485.59	105.42
28 21 00 00-0203 Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0149)		
28 21 00 00-0204 Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0203)		
28 21 00 00-0205 EA 22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE)	3,424.31	105.42
28 21 00 00-0206 Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0203)		
28 21 00 00-0207 EA 16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE)	2,975.51	105.42
28 21 00 00-0208 EA 22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE).....	3,556.14	105.42
28 21 00 00-0209 Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0203)		
28 21 00 00-0210 EA 23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE).....	3,936.07	105.42
28 21 00 00-0211 Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0203)		
28 21 00 00-0212 EA 18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE).....	3,582.06	105.42
28 21 00 00-0213 EA 35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE).....	4,122.70	105.42
28 21 00 00-0214 Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems (28 21 00 00-0149)		
28 21 00 00-0215 Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems (28 21 00 00-0214)		
28 21 00 00-0216 EA 10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B)	1,349.15	105.42
28 21 00 00-0217 Spectra® IP Network, Pan/Tilt Camera Dome Systems (28 21 00 00-0148)		
<i>Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.</i>		
28 21 00 00-0218 Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 00 00-0217)		
28 21 00 00-0219 Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 00 00-0218)		
28 21 00 00-0220 EA 16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F).....	2,519.30	105.42
28 21 00 00-0221 EA 16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB).....	2,656.31	105.42
28 21 00 00-0222 EA 16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E).....	2,734.81	105.42
28 21 00 00-0223 EA 16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E).....	2,734.81	105.42
28 21 00 00-0224 EA 22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1).....	3,145.11	105.42
28 21 00 00-0225 EA 22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1).....	3,282.12	105.42
28 21 00 00-0226 EA 22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1).....	3,360.62	105.42
28 21 00 00-0227 EA 22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1)	3,360.62	105.42
28 21 00 00-0228 Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 00 00-0218)		
28 21 00 00-0229 EA 23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1).....	3,525.03	105.42

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0230 EA 23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1)	3,662.05	105.42
28 21 00 00-0231 EA 23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1).....	3,740.55	105.42
28 21 00 00-0232 EA 23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1).....	3,740.55	105.42
28 21 00 00-0233 Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0217)</small>		
28 21 00 00-0234 Color, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0233)</small>		
28 21 00 00-0235 EA 16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1).....	2,919.22	105.42
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0236 EA 16X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1).....	3,051.05	105.42
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0237 EA 16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1).....	3,156.22	105.42
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0238 EA 22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1).....	3,499.11	105.42
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0239 EA 22X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1).....	3,630.94	105.42
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0240 EA 22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1).....	3,736.85	105.42
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0241 Day/Night, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0233)</small>		
28 21 00 00-0242 EA 18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1).....	3,525.03	105.42
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0243 EA 18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1).....	3,656.86	105.42
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0244 EA 18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1).....	3,762.77	105.42
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0245 EA 35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1).....	4,066.41	105.42
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0246 EA 35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1).....	4,197.50	105.42
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0247 EA 35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1).....	4,303.41	105.42
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0248 Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0217)</small>		
28 21 00 00-0249 Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems <small>(28 21 00 00-0248)</small>		
28 21 00 00-0250 EA 16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1).....	3,528.74	105.42
28 21 00 00-0251 EA 22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1).....	4,109.37	105.42
28 21 00 00-0252 Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems <small>(28 21 00 00-0248)</small>		
28 21 00 00-0253 EA 23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1).....	4,489.30	105.42
28 21 00 00-0254 Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems <small>(28 21 00 00-0248)</small>		
28 21 00 00-0255 EA 18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1).....	4,135.29	105.42
28 21 00 00-0256 EA 35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1).....	4,675.93	105.42
28 21 00 00-0257 Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0217)</small>		
28 21 00 00-0258 Color, Miniature Spectra® IP Network, Mini Camera Dome Systems <small>(28 21 00 00-0257)</small>		
28 21 00 00-0259 EA 10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1).....	1,706.12	105.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0260 Spectra®, Pan/Tilt Dome Drives <small>(28 21 00 00-0148)</small>		
Note: Includes dome drive, camera and lens.		
28 21 00 00-0261 EA 10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4)	1,258.47	87.85
28 21 00 00-0262 EA 10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N)	1,613.96	87.85
28 21 00 00-0263 EA 22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22)	2,053.13	87.85
28 21 00 00-0264 EA 16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16)	1,604.33	87.85
28 21 00 00-0265 EA 22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22)	2,184.22	87.85
28 21 00 00-0266 EA 18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18)	2,210.14	87.85
28 21 00 00-0267 EA 23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23)	2,564.15	87.85
28 21 00 00-0268 EA 35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35)	2,751.52	87.85
28 21 00 00-0269 EA 35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35)	2,751.52	87.85
28 21 00 00-0270 Accessories For Spectra® Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0148)</small>		
28 21 00 00-0271 EA Upgrade To Chrome Lower Dome (Pelco Spectra)	104.42	
28 21 00 00-0272 EA Upgrade To Gold Lower Dome (Pelco Spectra)	136.27	
28 21 00 00-0273 EA Wall Mount For Spectra® Systems (Pelco IWM-BK)	109.40	8.78
28 21 00 00-0274 EA 24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK)	281.96	8.78
28 21 00 00-0275 EA Wall Arm Mount For Spectra® Systems (Pelco IDM4018)	106.44	8.78
28 21 00 00-0276 EA Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS)	301.22	8.78
28 21 00 00-0277 EA Pole Mount Adapter For Spectra® Systems (Pelco PA402)	53.17	5.23
28 21 00 00-0278 Camclosure®, Camera Dome Systems <small>(28 21 00 00-0147)</small>		
28 21 00 00-0279 Camclosure® IS Integrated, Camera Dome Systems <small>(28 21 00 00-0278)</small>		
28 21 00 00-0280 Camclosure® IS Integrated, Camera Dome Systems <small>(28 21 00 00-0279)</small>		
28 21 00 00-0281 High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems <small>(28 21 00 00-0280)</small>		
28 21 00 00-0282 EA 12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12)	473.76	105.42
28 21 00 00-0283 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22)	518.20	105.42
28 21 00 00-0284 EA 12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12)	581.15	105.42
28 21 00 00-0285 EA 12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12)	581.15	105.42
28 21 00 00-0286 Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems <small>(28 21 00 00-0280)</small>		
28 21 00 00-0287 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22)	589.30	105.42
28 21 00 00-0288 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22)	647.06	105.42
28 21 00 00-0289 EA 9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22)	647.06	105.42
28 21 00 00-0290 Day/Night, Camclosure® IS Integrated, Camera Dome Systems <small>(28 21 00 00-0280)</small>		
28 21 00 00-0291 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22)	682.61	105.42
28 21 00 00-0292 EA 9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22)	825.55	105.42
28 21 00 00-0293 EA 9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22)	825.55	105.42
28 21 00 00-0294 Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems <small>(28 21 00 00-0280)</small>		
28 21 00 00-0295 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22)	750.75	105.42
28 21 00 00-0296 EA 9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22)	842.58	105.42
28 21 00 00-0297 Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 00 00-0279)</small>		
28 21 00 00-0298 High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 00 00-0297)</small>		
28 21 00 00-0299 EA 3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6)	543.46	70.28
28 21 00 00-0300 Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 00 00-0297)</small>		
28 21 00 00-0301 EA 9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22)	627.14	70.28

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0302 Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems ^(28 21 00 00-0297)		
28 21 00 00-0303 EA 9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22).....	693.80	70.28
28 21 00 00-0304 Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems ^(28 21 00 00-0297)		
28 21 00 00-0305 EA 9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22).....	727.13	70.28
28 21 00 00-0306 Camclosure® IS Integrated Cameras ^(28 21 00 00-0279)		
28 21 00 00-0307 EA 12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12)	373.12	70.28
28 21 00 00-0308 EA 9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22).....	373.12	70.28
28 21 00 00-0309 EA 9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22).....	439.03	70.28
28 21 00 00-0310 EA 9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22).....	617.52	70.28
28 21 00 00-0311 EA 9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22)	634.55	70.28
28 21 00 00-0312 Camclosure® ICS Integrated, Camera Dome Systems ^(28 21 00 00-0278)		
28 21 00 00-0313 Camclosure® ICS Integrated, Camera Dome Systems ^(28 21 00 00-0312)		
28 21 00 00-0314 Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems ^(28 21 00 00-0313)		
28 21 00 00-0315 EA 12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12)	400.44	105.42
28 21 00 00-0316 EA 12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T)	432.29	105.42
28 21 00 00-0317 EA 12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12)	559.67	105.42
28 21 00 00-0318 EA 12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12)	559.67	105.42
28 21 00 00-0319 High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems ^(28 21 00 00-0313)		
28 21 00 00-0320 EA 3-9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A)	702.61	105.42
28 21 00 00-0321 Camclosure® ICS Integrated, Bullet Style Camera Systems ^(28 21 00 00-0312)		
28 21 00 00-0322 Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems ^(28 21 00 00-0321)		
28 21 00 00-0323 EA 12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12)	489.39	70.28
28 21 00 00-0324 Camclosure® ICS Integrated, Wedge Style Camera Systems ^(28 21 00 00-0312)		
28 21 00 00-0325 High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems ^(28 21 00 00-0324)		
28 21 00 00-0326 EA 9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22)	647.06	105.42
28 21 00 00-0327 Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems ^(28 21 00 00-0324)		
28 21 00 00-0328 EA 9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22).....	713.72	105.42
28 21 00 00-0329 Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems ^(28 21 00 00-0324)		
28 21 00 00-0330 EA 9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22).....	797.41	105.42
28 21 00 00-0331 Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems ^(28 21 00 00-0324)		
28 21 00 00-0332 EA 9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22).....	830.73	105.42
28 21 00 00-0333 Camclosure® IP Network, Camera Dome Systems ^(28 21 00 00-0278)		
28 21 00 00-0334 Camclosure® IP Network, Camera Dome Systems ^(28 21 00 00-0333)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0335 High Resolution Color, Camclosure® IP Network, Camera Dome Systems <small>(28 21 00 00-0334)</small>		
28 21 00 00-0336 EA 3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9).....	1,198.07	105.42
28 21 00 00-0337 EA 9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22).....	1,198.07	105.42
28 21 00 00-0338 Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems <small>(28 21 00 00-0334)</small>		
28 21 00 00-0339 EA 3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9).....	1,289.90	105.42
28 21 00 00-0340 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22).....	1,289.90	105.42
28 21 00 00-0341 Day/Night, Camclosure® IP Network, Camera Dome Systems <small>(28 21 00 00-0334)</small>		
28 21 00 00-0342 EA 3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9).....	1,431.36	105.42
28 21 00 00-0343 EA 9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22).....	1,431.36	105.42
28 21 00 00-0344 Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems <small>(28 21 00 00-0334)</small>		
28 21 00 00-0345 EA 3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9).....	1,531.34	105.42
28 21 00 00-0346 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22).....	1,531.34	105.42
28 21 00 00-0347 Accessories For Camclosure® Camera Dome Systems <small>(28 21 00 00-0278)</small>		
28 21 00 00-0348 EA 4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP).....	23.87	5.27
28 21 00 00-0349 EA 4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP).....	23.87	5.27
28 21 00 00-0350 EA Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS).....	30.90	8.78
28 21 00 00-0351 EA Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND).....	51.64	8.78
28 21 00 00-0352 EA 2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P).....	54.98	5.27
28 21 00 00-0353 EA Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG).....	51.64	8.78
28 21 00 00-0354 EA Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM).....	66.45	8.78
28 21 00 00-0355 EA Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A).....	180.30	17.57
28 21 00 00-0356 EA Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A).....	180.30	17.57
28 21 00 00-0357 EA Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A).....	180.30	17.57
28 21 00 00-0358 EA Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A).....	180.30	17.57
28 21 00 00-0359 EA Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P).....	62.75	8.78
28 21 00 00-0360 EA Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD).....	68.47	17.57
28 21 00 00-0361 EA Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD).....	68.47	17.57
28 21 00 00-0362 EA Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD).....	68.47	17.57
28 21 00 00-0363 EA Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD).....	68.47	17.57
28 21 00 00-0364 EA Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD).....	68.47	17.57
28 21 00 00-0365 EA Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD).....	68.47	17.57
28 21 00 00-0366 EA Surface Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS110-ENC).....	200.41	24.00
28 21 00 00-0367 EA Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC).....	200.41	24.00
28 21 00 00-0368 EA Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P).....	43.49	8.78
28 21 00 00-0369 EA Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW).....	76.82	8.78
28 21 00 00-0370 EA White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P).....	43.49	8.78
28 21 00 00-0371 EA White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW).....	76.82	8.78
28 21 00 00-0372 EA Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC).....	1,114.38	105.42
28 21 00 00-0373 Pan/Tilt Camera Systems <small>(28 21 00 00-0146)</small>		
28 21 00 00-0374 Esprit® CBZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0373)</small> Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.		
28 21 00 00-0375 EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0374)</small>		
28 21 00 00-0376 Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0375)</small>		
28 21 00 00-0377 EA 10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N).....	3,214.24	158.14
28 21 00 00-0378 EA 20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N).....	3,659.34	158.14
28 21 00 00-0379 EA 30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N).....	4,276.26	158.14
28 21 00 00-0380 EA 10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN).....	3,309.78	158.14
28 21 00 00-0381 EA 20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN).....	3,774.87	158.14
28 21 00 00-0382 EA 30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN).....	4,391.79	158.14

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0383	Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0375)</small>		
28 21 00 00-0384	EA 10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W).....	3,244.60	158.14
28 21 00 00-0385	EA 20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W).....	3,689.70	158.14
28 21 00 00-0386	EA 30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W).....	4,306.62	158.14
28 21 00 00-0387	EA 10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW).....	3,340.88	158.14
28 21 00 00-0388	EA 20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW).....	3,805.24	158.14
28 21 00 00-0389	EA 30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW).....	4,422.16	158.14
28 21 00 00-0390	Esprit® CLZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0373)</small>		
28 21 00 00-0391	DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0390)</small>		
28 21 00 00-0392	Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0391)</small>		
28 21 00 00-0393	EA 10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N).....	3,329.77	158.14
28 21 00 00-0394	EA 20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N).....	3,774.87	158.14
28 21 00 00-0395	EA 30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N).....	4,391.79	158.14
28 21 00 00-0396	EA 10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN).....	3,425.31	158.14
28 21 00 00-0397	EA 20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN).....	3,890.41	158.14
28 21 00 00-0398	EA 30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN).....	4,507.33	158.14
28 21 00 00-0399	Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0391)</small>		
28 21 00 00-0400	EA 10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W).....	3,360.14	158.14
28 21 00 00-0401	EA 20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W).....	3,805.24	158.14
28 21 00 00-0402	EA 30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W).....	4,422.16	158.14
28 21 00 00-0403	EA 10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW).....	3,456.41	158.14
28 21 00 00-0404	EA 20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW).....	3,920.77	158.14
28 21 00 00-0405	EA 30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW).....	4,537.69	158.14
28 21 00 00-0406	Esprit® AJZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0373)</small>		
28 21 00 00-0407	High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0406)</small>		
28 21 00 00-0408	Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0407)</small>		
28 21 00 00-0409	EA 6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N).....	3,136.47	158.14
28 21 00 00-0410	EA 5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N).....	3,581.58	158.14
28 21 00 00-0411	EA 5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N).....	4,198.50	158.14
28 21 00 00-0412	EA 6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN).....	3,232.75	158.14
28 21 00 00-0413	EA 5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN).....	3,697.11	158.14
28 21 00 00-0414	EA 5.5 x 30, Preset Positioning, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN).....	4,314.03	158.14
28 21 00 00-0415	Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0407)</small>		
28 21 00 00-0416	EA 6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	3,167.58	158.14
28 21 00 00-0417	EA 5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W).....	3,611.94	158.14
28 21 00 00-0418	EA 5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W).....	4,229.60	158.14
28 21 00 00-0419	EA 6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW).....	3,189.06	158.14
28 21 00 00-0420	EA 6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	3,263.12	158.14
28 21 00 00-0421	EA 5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW).....	3,727.47	158.14
28 21 00 00-0422	EA 5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW).....	4,345.13	158.14

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0465	Esprit® IOP, Pan/Tilt Camera Systems (28 21 00 00-0373)		
28 21 00 00-0466	High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 00 00-0465)		
28 21 00 00-0467	Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 00 00-0466)		
28 21 00 00-0468	EA 16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N).....	2,872.08	158.14
28 21 00 00-0469	EA 22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N).....	3,594.17	158.14
28 21 00 00-0470	EA 24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N).....	3,445.31	158.14
28 21 00 00-0471	EA 35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N).....	3,915.59	158.14
28 21 00 00-0472	Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 00 00-0466)		
28 21 00 00-0473	EA 16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W).....	2,901.70	158.14
28 21 00 00-0474	EA 22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W).....	3,624.53	158.14
28 21 00 00-0475	EA 24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W).....	3,475.67	158.14
28 21 00 00-0476	EA 35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W).....	3,948.91	158.14
28 21 00 00-0477	Esprit® Thermal, Pan/Tilt Camera Systems (28 21 00 00-0373)		
28 21 00 00-0478	Esprit® Thermal, Pan/Tilt Camera Systems (28 21 00 00-0477)		
28 21 00 00-0479	Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 00 00-0478)		
28 21 00 00-0480	EA 14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N).....	18,910.51	158.14
28 21 00 00-0481	EA 35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N).....	20,372.09	158.14
28 21 00 00-0482	EA 50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N).....	20,822.74	158.14
28 21 00 00-0483	Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 00 00-0478)		
28 21 00 00-0484	EA 14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W).....	18,941.62	158.14
28 21 00 00-0485	EA 35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W).....	20,372.46	158.14
28 21 00 00-0486	EA 50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W).....	20,853.11	158.14
28 21 00 00-0487	Accessories For Esprit® Pan/Tilt Camera Systems (28 21 00 00-0373)		
28 21 00 00-0488	EA Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE).....	7.45	1.76
28 21 00 00-0489	EA Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT).....	43.49	8.78
28 21 00 00-0490	EA Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM).....	70.15	8.78
28 21 00 00-0491	EA Wall Mount For High Security Enclosures (Pelco HSWM12).....	90.15	8.78
28 21 00 00-0492	EA Ground Isolation Transformer (Pelco GIT100).....	252.26	24.00
28 21 00 00-0493	EA High Security, Indoor Wedge Style Enclosure (Pelco HS2100).....	248.55	24.00
28 21 00 00-0494	EA High Security, Indoor 10" Length Enclosure (Pelco HS3000).....	306.32	24.00
28 21 00 00-0495	EA High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500).....	580.34	24.00
28 21 00 00-0496	EA High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080).....	232.26	24.00
28 21 00 00-0497	EA High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134).....	462.59	24.00
28 21 00 00-0498	EA Bullet-Resistant, Outdoor Enclosure (Pelco HS4514).....	1,003.23	24.00
28 21 00 00-0499	EA Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT).....	1,196.52	24.00
28 21 00 00-0500	EA 24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24).....	1,240.22	24.00
28 21 00 00-0501	EA 35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35).....	1,309.09	24.00
28 21 00 00-0502	EA 24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2).....	2,203.00	24.00
28 21 00 00-0503	EA 115/230 Volt AC, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-5).....	2,203.00	24.00
28 21 00 00-0504	EA 24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N).....	2,225.21	24.00
28 21 00 00-0505	EA 120 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-5N).....	2,225.21	24.00
28 21 00 00-0506	EA 24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W).....	2,256.32	24.00
28 21 00 00-0507	EA 120 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-5W).....	2,256.32	24.00
28 21 00 00-0508	EA 30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30).....	4,149.29	24.00
28 21 00 00-0509	EA 30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P).....	4,264.83	24.00
28 21 00 00-0510	EA Esprit® Camera Pole Mount Adapter (Pelco EPM).....	62.10	5.66
28 21 00 00-0511	EA Pole Mount Adapter For Esprit® Systems (Pelco EPM).....	62.10	5.66
28 21 00 00-0512	Camera Lenses (28 21 00 00-0002)		
28 21 00 00-0513	Fixed Focus Camera Lenses (28 21 00 00-0512) Note: 1/3" format and manual focus.		
28 21 00 00-0514	Manual Iris, Fixed Focus Camera Lenses (28 21 00 00-0513)		
28 21 00 00-0515	EA 2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3).....	112.96	8.25
28 21 00 00-0516	EA 2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8).....	92.23	8.25
28 21 00 00-0517	EA 4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4).....	81.86	8.25
28 21 00 00-0518	EA 8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8).....	79.64	8.25
28 21 00 00-0519	Direct Drive Auto Iris, Fixed Focus Camera Lenses (28 21 00 00-0513) Note: Includes spot filter. Excludes amplifier.		
28 21 00 00-0520	EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3).....	143.33	8.25
28 21 00 00-0521	EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8).....	112.96	8.25
28 21 00 00-0522	EA 4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4).....	105.56	8.25
28 21 00 00-0523	EA 8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8).....	72.97	8.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0524 Video Drive Auto Iris, Fixed Focus Camera Lenses <small>(28 21 00 00-0513)</small>		
Note: Includes LDC100 adapter to convert DC auto iris to video drive.		
28 21 00 00-0525 EA 2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S)	170.73	8.25
28 21 00 00-0526 EA 2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S)	139.63	8.25
28 21 00 00-0527 EA 4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S)	132.22	8.25
28 21 00 00-0528 EA 8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S)	126.30	8.25
28 21 00 00-0529 Varifocal Camera Lenses <small>(28 21 00 00-0512)</small>		
Note: 1/3" format and manual focus and zoom.		
28 21 00 00-0530 Manual Iris, Varifocal Camera Lenses <small>(28 21 00 00-0529)</small>		
28 21 00 00-0531 EA 1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3).....	174.43	8.25
28 21 00 00-0532 EA 2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6).....	133.70	8.25
28 21 00 00-0533 EA 2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12).....	101.86	8.25
28 21 00 00-0534 EA 3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8).....	88.52	8.25
28 21 00 00-0535 EA 5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5).....	244.79	8.25
28 21 00 00-0536 EA 5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40).....	137.40	8.25
28 21 00 00-0537 EA 5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50).....	169.25	8.25
28 21 00 00-0538 Direct Drive Auto Iris, Varifocal Camera Lenses <small>(28 21 00 00-0529)</small>		
Note: Includes spot filter.		
28 21 00 00-0539 EA 1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3).....	206.28	8.25
28 21 00 00-0540 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6).....	179.62	8.25
28 21 00 00-0541 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12).....	132.22	8.25
28 21 00 00-0542 EA 3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8).....	92.97	8.25
28 21 00 00-0543 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5).....	267.75	8.25
28 21 00 00-0544 EA 5-40 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-40).....	153.70	8.25
28 21 00 00-0545 EA 5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50).....	204.06	8.25
28 21 00 00-0546 Video Drive Auto Iris, Varifocal Camera Lenses <small>(28 21 00 00-0529)</small>		
Note: Includes spot filter.		
28 21 00 00-0547 EA 1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S).....	233.68	8.25
28 21 00 00-0548 EA 2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S).....	206.28	8.25
28 21 00 00-0549 EA 3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S).....	120.37	8.25
28 21 00 00-0550 EA 5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S).....	230.72	8.25
28 21 00 00-0551 Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses <small>(28 21 00 00-0529)</small>		
28 21 00 00-0552 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5).....	110.74	8.25
28 21 00 00-0553 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50).....	178.14	8.25
28 21 00 00-0554 Motorized Zoom Camera Lenses <small>(28 21 00 00-0512)</small>		
Note: 1/3" format.		
28 21 00 00-0555 Manual Iris, Motorized Zoom Camera Lenses <small>(28 21 00 00-0554)</small>		
28 21 00 00-0556 EA 8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8).....	431.42	8.25
28 21 00 00-0557 EA 10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10).....	541.03	8.25
28 21 00 00-0558 EA 15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15).....	577.32	8.25
28 21 00 00-0559 Direct Drive Auto Iris, Motorized Zoom Camera Lenses <small>(28 21 00 00-0554)</small>		
Note: Includes spot filter.		
28 21 00 00-0560 EA 6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8).....	415.13	8.25
28 21 00 00-0561 EA 10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10).....	501.04	8.25
28 21 00 00-0562 EA 15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15).....	638.79	8.25
28 21 00 00-0563 EA 20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20).....	946.14	8.25
28 21 00 00-0564 EA 30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30).....	1,563.80	8.25
28 21 00 00-0565 Video Drive Auto Iris, Motorized Zoom Camera Lenses <small>(28 21 00 00-0554)</small>		
Note: Includes spot filter.		
28 21 00 00-0566 EA 8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S).....	442.53	8.25
28 21 00 00-0567 EA 10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S).....	528.44	8.25
28 21 00 00-0568 EA 15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S).....	666.19	8.25
28 21 00 00-0569 EA 20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S).....	973.54	8.25
28 21 00 00-0570 EA 30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S).....	1,590.46	8.25
28 21 00 00-0571 Camera Power Supplies <small>(28 21 00 00-0002)</small>		
28 21 00 00-0572 EA 20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000).....	27.38	7.03
28 21 00 00-0573 EA 50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000).....	49.60	7.03
28 21 00 00-0574 EA 2 Amp, 4 Outputs, Camera Power Supply (Pelco MCS4-2).....	110.32	14.05
28 21 00 00-0575 EA 5 Amp, 8 Outputs, Camera Power Supply (Pelco MCS8-5).....	151.78	21.09
28 21 00 00-0576 EA 10 Amp, 16 Outputs, Camera Power Supply (Pelco MCS16-10).....	219.90	28.11
<i>For Switchable Outputs, Add</i>	98.20	

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0577 EA 20 Amp, 16 Outputs, Camera Power Supply (Pelco MCS16-20)..... <i>For Switchable Outputs, Add</i>	271.72 120.86	35.14
28 21 00 00-0578 Camera Illuminators (28 21 00 00-0002)		
28 21 00 00-0579 Camera Illuminators (28 21 00 00-0578) Note: Includes lamp and mounting bracket.		
28 21 00 00-0580 EA Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF).....	1,162.71	14.05
28 21 00 00-0581 EA Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS).....	1,162.71	14.05
28 21 00 00-0582 EA Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF).....	1,162.71	14.05
28 21 00 00-0583 Camera Illuminator Accessories (28 21 00 00-0578)		
28 21 00 00-0584 EA Replacement Lamp For Low Light Level Camera Illuminator (Pelco PAR56).....	91.06	14.05
28 21 00 00-0585 Camera Receivers (28 21 00 00-0002)		
28 21 00 00-0586 EA 24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP).....	1,112.83	24.00
28 21 00 00-0587 EA 120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP).....	1,112.83	24.00
28 21 00 00-0588 Pan And Tilt Drives (28 21 00 00-0002)		
28 21 00 00-0589 EA 15 LB Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P).....	781.59	52.71
28 21 00 00-0590 EA 40 LB Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P)..... <i>For Preset Positioning, Add</i>	997.84 165.00	52.71
28 21 00 00-0591 EA 100 LB Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P)..... <i>For Preset Positioning, Add</i>	2,132.44 165.00	52.71
28 21 00 00-0592 EA 100 LB Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC)..... <i>For Preset Positioning, Add</i>	2,439.79 165.00	52.71
28 21 00 00-0593 EA 100 LB Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL)..... <i>For Preset Positioning, Add</i>	2,826.38 165.00	52.71
28 21 00 00-0594 EA 100 LB Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX)..... <i>For Preset Positioning, Add</i>	3,648.45 165.00	52.71
28 21 00 00-0595 Scanners (28 21 00 00-0002)		
28 21 00 00-0596 EA 35 LB Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24)..... <i>For Wall Mount, Add</i> <i>For Pressure Sensor Alarm, Add</i>	894.90 39.05 51.15	52.71
28 21 00 00-0597 EA 35 LB Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20)..... <i>For Wall Mount, Add</i> <i>For Pressure Sensor Alarm, Add</i>	941.56 39.05 51.15	52.71
28 21 00 00-0598 Camera Monitors (28 21 00 00-0001)		
28 21 00 00-0599 Camera Monitors (28 21 00 00-0598)		
28 21 00 00-0600 Monochrome Camera Monitors (28 21 00 00-0599)		
28 21 00 00-0601 EA 9" Monochrome Camera Monitor (Pelco PMM9A).....	174.39	10.54
28 21 00 00-0602 EA 12" Monochrome Camera Monitor (Pelco PMM12A).....	200.32	10.54
28 21 00 00-0603 EA 15" Monochrome Camera Monitor (Pelco PMM15A).....	309.92	10.54
28 21 00 00-0604 EA 20" Monochrome Camera Monitor (Pelco PMM20A).....	501.74	10.54
28 21 00 00-0605 Color Camera Monitors (28 21 00 00-0599)		
28 21 00 00-0606 EA 9", High Resolution Color, Camera Monitor (Pelco PMC9A).....	566.91	10.54
28 21 00 00-0607 EA 15", High Resolution Color, Camera Monitor (Pelco PMCS15A).....	458.78	10.54
28 21 00 00-0608 EA 17", High Resolution Color, Camera Monitor (Pelco PMCS17A).....	669.11	10.54
28 21 00 00-0609 EA 19", High Resolution Color, Camera Monitor (Pelco PMCS19A).....	891.29	10.54
28 21 00 00-0610 LCD Camera Monitors (28 21 00 00-0598)		
28 21 00 00-0611 VGA Signal, Color LCD Camera Monitors (Pelco 200 Series) (28 21 00 00-0610) Note: Displays VGA computer signals.		
28 21 00 00-0612 EA 17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217).....	641.71	10.54
28 21 00 00-0613 EA 19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219).....	837.23	10.54
28 21 00 00-0614 Multimode, Color LCD Camera Monitors (Pelco 300 Series) (28 21 00 00-0610) Note: Displays VGA computer signals and/or composite video signals.		
28 21 00 00-0615 EA 15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315).....	730.58	10.54
28 21 00 00-0616 EA 17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317).....	875.74	10.54
28 21 00 00-0617 EA 19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319).....	1,078.67	10.54
28 21 00 00-0618 Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series) (28 21 00 00-0610) Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 00 00-0619 EA 15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415).....	939.43	10.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0620 EA 17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417)	1,090.52	10.54
28 21 00 00-0621 EA 19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419)	1,369.72	10.54
28 21 00 00-0622 Camera Monitor Mounting Accessories (28 21 00 00-0598)		
28 21 00 00-0623 Camera Monitor Mounts (28 21 00 00-0622)		
28 21 00 00-0624 EA Up To 14", Camera Monitor Mount (Pelco)	213.26	14.05
28 21 00 00-0625 EA >14" To 17", Camera Monitor Mount (Pelco)	249.55	14.05
28 21 00 00-0626 EA >17" To 21", Camera Monitor Mount (Pelco)	293.99	14.05
28 21 00 00-0627 Camera Monitor Rack Mount Kits (28 21 00 00-0622)		
28 21 00 00-0628 EA Camera Monitor Rack Mount Kit (Pelco PMCL-RM)	126.61	14.05
28 21 00 00-0629 Video Transmission Equipment (28 21 00 00-0001)		
28 21 00 00-0630 UTP Cable, Video Transmission Equipment (28 21 00 00-0629)		
28 21 00 00-0631 UTP Cable, Active Video Receivers (28 21 00 00-0630)		
28 21 00 00-0632 EA Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR)	268.43	17.57
28 21 00 00-0633 EA Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR)	944.60	17.57
28 21 00 00-0634 EA Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US)	1,866.64	17.57
28 21 00 00-0635 EA Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US)	3,071.60	17.57
28 21 00 00-0636 EA Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US)	3,587.80	17.57
28 21 00 00-0637 UTP Cable, Passive Video Transceivers (28 21 00 00-0630)		
28 21 00 00-0638 EA Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P)	72.91	17.57
28 21 00 00-0639 EA Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P)	268.43	17.57
28 21 00 00-0640 EA Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P)	502.46	17.57
28 21 00 00-0641 EA Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P)	963.11	17.57
28 21 00 00-0642 EA Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P)	1,891.82	17.57
28 21 00 00-0643 UTP Cable, Active Video Transmitters (28 21 00 00-0630)		
28 21 00 00-0644 EA Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT)	281.02	17.57
28 21 00 00-0645 Fiber Optics, Video Transmission Equipment (28 21 00 00-0629)		
28 21 00 00-0646 Data Only, Fiber Optics Transmission Equipment (28 21 00 00-0645)		
28 21 00 00-0647 Bidirectional Data, Fiber Optics Transmitters (28 21 00 00-0646)		
28 21 00 00-0648 EA Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS)	1,661.09	35.14
28 21 00 00-0649 EA Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM)	670.17	35.14
28 21 00 00-0650 EA Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S)	1,210.06	35.14
28 21 00 00-0651 EA Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M)	830.14	35.14
28 21 00 00-0652 Bidirectional Data, Fiber Optics Receivers (28 21 00 00-0646)		
28 21 00 00-0653 EA Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS)	1,661.09	35.14
28 21 00 00-0654 EA Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM)	670.17	35.14
28 21 00 00-0655 EA Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S)	1,210.06	35.14
28 21 00 00-0656 EA Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M)	830.14	35.14
28 21 00 00-0657 Video Only, Fiber Optics Transmission Equipment (28 21 00 00-0645)		
28 21 00 00-0658 Digitally Encoded Video, Fiber Optics Transmitters (28 21 00 00-0657)		
28 21 00 00-0659 EA Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS)	729.41	35.14
28 21 00 00-0660 EA Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM)	310.23	35.14
28 21 00 00-0661 EA Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S)	2,046.94	35.14
28 21 00 00-0662 EA Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M)	1,224.88	35.14
28 21 00 00-0663 EA Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S)	3,362.25	35.14
28 21 00 00-0664 EA Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M)	2,793.47	35.14
28 21 00 00-0665 EA Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S)	8,368.70	35.14
28 21 00 00-0666 EA Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M)	7,446.66	35.14
28 21 00 00-0667 Digitally Encoded Video, Fiber Optics Receivers (28 21 00 00-0657)		
28 21 00 00-0668 EA Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS)	729.41	35.14
28 21 00 00-0669 EA Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM)	310.23	35.14
28 21 00 00-0670 EA Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS)	1,255.24	35.14
28 21 00 00-0671 EA Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM)	500.57	35.14
28 21 00 00-0672 EA Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S)	2,046.94	35.14
28 21 00 00-0673 EA Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M)	1,224.88	35.14
28 21 00 00-0674 EA Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S)	3,362.25	35.14
28 21 00 00-0675 EA Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M)	2,793.47	35.14
28 21 00 00-0676 EA Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S)	8,368.70	35.14

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0677 EA Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M).....	7,446.66	35.14
28 21 00 00-0678 Video And Data, Fiber Optics Transmission Equipment (28 21 00 00-0645)		
28 21 00 00-0679 Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters (28 21 00 00-0678)		
28 21 00 00-0680 EA Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS).....	1,267.83	35.14
28 21 00 00-0681 EA Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM).....	750.15	35.14
28 21 00 00-0682 EA Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S).....	2,970.47	35.14
28 21 00 00-0683 EA Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M).....	2,569.80	35.14
28 21 00 00-0684 EA Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S).....	4,816.79	35.14
28 21 00 00-0685 EA Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M).....	3,488.15	35.14
28 21 00 00-0686 Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers (28 21 00 00-0678)		
28 21 00 00-0687 EA Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS).....	1,267.83	35.14
28 21 00 00-0688 EA Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM).....	750.15	35.14
28 21 00 00-0689 EA Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S).....	2,970.47	35.14
28 21 00 00-0690 EA Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M).....	2,569.80	35.14
28 21 00 00-0691 EA Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S).....	4,816.79	35.14
28 21 00 00-0692 EA Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M).....	3,488.15	35.14
28 21 00 00-0693 Video, Audio And Data, Fiber Optics Transmission Equipment (28 21 00 00-0645)		
28 21 00 00-0694 Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters (28 21 00 00-0693)		
28 21 00 00-0695 EA Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S).....	1,637.39	35.14
28 21 00 00-0696 EA Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M).....	1,299.68	35.14
28 21 00 00-0697 Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers (28 21 00 00-0693)		
28 21 00 00-0698 EA Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S).....	1,637.39	35.14
28 21 00 00-0699 EA Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M).....	1,299.68	35.14
28 21 00 00-0700 Video Amplifiers (28 21 00 00-0629)		
28 21 00 00-0701 Video Distribution Amplifiers (28 21 00 00-0700)		
28 21 00 00-0702 EA 1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT).....	200.50	8.78
28 21 00 00-0703 EA 16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA).....	1,655.04	8.78
Note: Inserts time-date and title on up to 16 video inputs.		
28 21 00 00-0704 Video Equalizing Amplifiers (28 21 00 00-0700)		
28 21 00 00-0705 EA Video Equalizing Amplifier (Pelco EA2010).....	218.27	8.78
28 21 00 00-0706 EA Half-Duplex, Video Equalizing Amplifier (Pelco EA2000).....	344.92	8.78
28 21 00 00-0707 Network Video Equipment (28 21 00 00-0001)		
28 21 00 00-0708 Video Encoders/Decoders (28 21 00 00-0707)		
28 21 00 00-0709 EA MPEG4 IP Video Receiver (Pelco NET300R).....	807.92	17.57
28 21 00 00-0710 EA MPEG4 IP Video Transmitter (Pelco NET300T).....	807.92	17.57
28 21 00 00-0711 EA MPEG4 IP Video Receiver With Audio (Pelco NET350R).....	932.34	17.57
28 21 00 00-0712 EA MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T).....	932.34	17.57
28 21 00 00-0713 Network Video Recorders (28 21 00 00-0707)		
28 21 00 00-0714 EA 16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316).....	5,199.68	35.14
28 21 00 00-0715 EA 32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332).....	6,053.59	35.14
28 21 00 00-0716 EA 64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364).....	7,762.89	35.14
28 21 00 00-0717 EA 64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300).....	5,135.24	35.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 21 00 00-0718 Network Video Recorder Software (28 21 00 00-0707)

28 21 00 00-0719	EA	10 User, License Pack (Pelco VMX300-LIC-10).....	515.46	
28 21 00 00-0720	EA	20 User, License Pack (Pelco VMX300-LIC-20).....	929.45	
28 21 00 00-0721	EA	50 User, License Pack (Pelco VMX300-LIC-50).....	2,064.05	
28 21 00 00-0722	EA	100 User, License Pack (Pelco VMX300-LIC-100).....	3,610.42	
28 21 00 00-0723	EA	10 User, Enterprise License Pack (Pelco VMX300-E-LIC10).....	860.58	
28 21 00 00-0724	EA	20 User, Enterprise License Pack (Pelco VMX300-E-LIC20).....	1,547.85	
28 21 00 00-0725	EA	50 User, Enterprise License Pack (Pelco VMX300-E-LIC50).....	3,440.09	
28 21 00 00-0726	EA	100 User, Enterprise License Pack (Pelco VMX300-E-LIC100).....	6,018.86	
28 21 00 00-0727	EA	200 User, Enterprise License Pack (Pelco VMX300-E-LIC200).....	10,317.30	
28 21 00 00-0728	EA	500 User, Enterprise License Pack (Pelco VMX300-E-LIC500).....	21,493.69	
28 21 00 00-0729	EA	0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0).....	4,626.13	
28 21 00 00-0730	EA	1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1).....	4,912.74	
28 21 00 00-0731	EA	4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4).....	7,779.61	
28 21 00 00-0732	EA	0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0).....	5,142.33	
28 21 00 00-0733	EA	1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1).....	5,428.94	
28 21 00 00-0734	EA	4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4).....	8,294.32	
28 21 00 00-0735	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0).....	4,970.51	
28 21 00 00-0736	EA	1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1).....	5,257.86	
28 21 00 00-0737	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4).....	8,123.98	
28 21 00 00-0738	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0).....	5,829.61	
28 21 00 00-0739	EA	1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1).....	6,116.22	
28 21 00 00-0740	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4).....	8,983.08	

28 21 00 00-0741 Video Recording Equipment (28 21 00 00-0001)

28 21 00 00-0742 Digital Video Recorders (28 21 00 00-0741)

28 21 00 00-0743	EA	8 Channel, 1 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-1000).....	4,182.83	35.14
Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.				
28 21 00 00-0744	EA	8 Channel, 2 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-2000).....	5,658.11	35.14
Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.				
28 21 00 00-0745	EA	8 Channel, 3 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-3000).....	7,133.38	35.14
Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.				
28 21 00 00-0746	EA	16 Channel, 1 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-1000).....	4,797.53	35.14
Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.				
28 21 00 00-0747	EA	16 Channel, 2 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-2000).....	6,272.80	35.14
Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.				
28 21 00 00-0748	EA	16 Channel, 3 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-3000).....	7,748.08	35.14
Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.				
28 21 00 00-0749	EA	8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A).....	8,150.97	35.14
28 21 00 00-0750	EA	8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A).....	11,182.98	35.14
28 21 00 00-0751	EA	8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A).....	14,215.74	35.14
28 21 00 00-0752	EA	16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A).....	9,816.58	35.14
28 21 00 00-0753	EA	16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A).....	12,848.59	35.14
28 21 00 00-0754	EA	16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A).....	15,881.35	35.14
28 21 00 00-0755	EA	24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A).....	10,732.70	35.14
28 21 00 00-0756	EA	24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A).....	13,764.71	35.14
28 21 00 00-0757	EA	24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A).....	16,797.47	35.14
28 21 00 00-0758	EA	32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A).....	12,398.31	35.14
28 21 00 00-0759	EA	32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A).....	15,430.32	35.14
28 21 00 00-0760	EA	32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A).....	18,463.08	35.14
28 21 00 00-0761	EA	16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500).....	8,999.18	35.14

28 21 00 00-0762 Digital Video Recorder Accessories (28 21 00 00-0741)

28 21 00 00-0763	EA	16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16).....	781.26	17.57
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28 21 00 00-0764 Matrix Systems And Controls (28 21 00 00-0001)

28 21 00 00-0765 Video Multiplexers (28 21 00 00-0764)

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0766 Monochrome Duplex, Video Multiplexers <small>(28 21 00 00-0765)</small>		
28 21 00 00-0767 EA 9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD)	1,487.79	35.14
28 21 00 00-0768 EA 16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD)	1,405.58	35.14
28 21 00 00-0769 Color Duplex, Video Multiplexers <small>(28 21 00 00-0765)</small>		
28 21 00 00-0770 EA 4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD)	1,001.21	35.14
28 21 00 00-0771 EA 9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD)	1,920.30	35.14
28 21 00 00-0772 EA 16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD)	2,082.49	35.14
28 21 00 00-0773 Color Simplex, Video Multiplexers <small>(28 21 00 00-0765)</small>		
28 21 00 00-0774 EA 9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS)	1,612.21	35.14
28 21 00 00-0775 EA 16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS)	1,884.75	35.14
28 21 00 00-0776 Video Multiplexer Accessories <small>(28 21 00 00-0765)</small>		
28 21 00 00-0777 EA Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000)	878.06	24.00
28 21 00 00-0778 EA Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002)	509.24	24.00
28 21 00 00-0779 EA Video Multiplexer Server (Pelco MX4000SVR)	1,487.79	35.14
28 21 00 00-0780 Quad Video Processor <small>(28 21 00 00-0764)</small>		
28 21 00 00-0781 EA Monochrome, Quad Video Processor (Pelco QD104M)	458.02	17.57
28 21 00 00-0782 EA Color, Quad Video Processor (Pelco QD104C)	754.26	17.57
28 21 00 00-0783 Switcher <small>(28 21 00 00-0764)</small>		
28 21 00 00-0784 Terminating Manual Switchers <small>(28 21 00 00-0783)</small>		
28 21 00 00-0785 Terminating Manual Switchers <small>(28 21 00 00-0784)</small>		
28 21 00 00-0786 EA 4 Inputs, Terminating Manual Switcher (Pelco MS504DT)	156.23	14.05
28 21 00 00-0787 EA 8 Inputs, Terminating Manual Switcher (Pelco MS508DT)	214.00	14.05
28 21 00 00-0788 EA 12 Inputs, Terminating Manual Switcher (Pelco MS512DT)	261.40	14.05
28 21 00 00-0789 EA 18 Inputs, Terminating Manual Switcher (Pelco MS518DT)	431.00	14.05
28 21 00 00-0790 Audio Follow, Terminating Manual Switchers <small>(28 21 00 00-0784)</small>		
28 21 00 00-0791 EA 4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF)	203.63	14.05
28 21 00 00-0792 EA 8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF)	362.86	14.05
28 21 00 00-0793 EA 18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF)	637.62	14.05
28 21 00 00-0794 Balanced Audio Follow, Terminating Manual Switchers <small>(28 21 00 00-0784)</small>		
28 21 00 00-0795 EA 4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF)	273.99	14.05
28 21 00 00-0796 EA 8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF)	506.54	14.05
28 21 00 00-0797 Looping Manual Switchers <small>(28 21 00 00-0783)</small>		
28 21 00 00-0798 Looping Manual Switchers <small>(28 21 00 00-0797)</small>		
28 21 00 00-0799 EA 4 Inputs, Looping Manual Switcher (Pelco MS504LDT)	175.49	14.05
28 21 00 00-0800 EA 8 Inputs, Looping Manual Switcher (Pelco MS508LDT)	242.88	14.05
28 21 00 00-0801 EA 12 Inputs, Looping Manual Switcher (Pelco MS512LDT)	311.02	14.05
28 21 00 00-0802 EA 18 Inputs, Looping Manual Switcher (Pelco MS518LDT)	516.17	14.05
28 21 00 00-0803 Audio Follow, Looping Manual Switchers <small>(28 21 00 00-0797)</small>		
28 21 00 00-0804 EA 4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL)	219.93	14.05
28 21 00 00-0805 EA 8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL)	388.04	14.05
28 21 00 00-0806 EA 12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL)	534.68	14.05
28 21 00 00-0807 Balanced Audio Follow, Looping Manual Switchers <small>(28 21 00 00-0797)</small>		
28 21 00 00-0808 EA 4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL)	293.99	14.05
28 21 00 00-0809 EA 8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL)	536.90	14.05
28 21 00 00-0810 EA 12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL)	676.88	14.05
28 21 00 00-0811 Sequential Switchers <small>(28 21 00 00-0783)</small>		
28 21 00 00-0812 Single Output, Sequential Switchers <small>(28 21 00 00-0811)</small>		
28 21 00 00-0813 EA 4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104)	311.76	14.05
28 21 00 00-0814 EA 8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108)	467.29	14.05
28 21 00 00-0815 Dual Outputs, Sequential Switchers <small>(28 21 00 00-0811)</small>		
28 21 00 00-0816 EA 4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204)	391.00	14.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0817 EA 8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208)	543.57	14.05
28 21 00 00-0818 Controls (28 21 00 00-0764)		
28 21 00 00-0819 Direct/Multi-Cable Controls (28 21 00 00-0818)		
28 21 00 00-0820 EA Scanner Control Module (Pelco MPS524DT)	259.87	35.14
28 21 00 00-0821 EA 120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT)	278.39	35.14
28 21 00 00-0822 EA 24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT)	310.23	35.14
28 21 00 00-0823 EA Motorized Zoom Lens Control Module (Pelco MLZ6DT)	325.05	35.14
28 21 00 00-0824 EA 120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT)	520.56	35.14
28 21 00 00-0825 EA 24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT)	574.63	35.14
28 21 00 00-0826 Coaxitron Controls (28 21 00 00-0818)		
28 21 00 00-0827 EA Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000)	371.49	24.00
28 21 00 00-0828 EA 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000)	720.32	24.00
28 21 00 00-0829 EA Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000)	820.30	24.00
28 21 00 00-0830 Digital Controls (28 21 00 00-0818)		
28 21 00 00-0831 EA Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A)	505.54	24.00
28 21 00 00-0832 EA Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A)	870.66	24.00
28 21 00 00-0833 Lock Boxes (28 21 00 00-0764)		
28 21 00 00-0834 EA VCR Lock Box (Pelco LB1000)	311.18	26.36
For Wall Mount, Add	165.00	
28 21 00 00-0835 EA Computer Disk Drive Lock Box (Pelco LB2000)	318.59	26.36
28 21 00 00-0836 EA VCR And Multiplexer Lock Box (Pelco LB3000)	592.61	26.36
Note: Includes storage for 32 VCR tapes.		

28 30 Security Detection, Alarm, and Monitoring (28)

28 31 Intrusion Detection (28 30)

28 31 11 Building Intrusion Detection (28 31)

28 31 11 13 Building Intrusion Detection Remote Devices and Sensors (28 31 11)

28 31 11 13-0001 Intrusion / Panic Alarm Equipment (28 31 11 13)

28 31 11 13-0002 EA Digital Keypad (Bosch D1255)	223.79	35.14
28 31 11 13-0003 EA Alarm Panel (Bosch D7412GV4)	533.87	140.57
28 31 11 13-0004 EA Alarm Panel (Bosch D9412GV4)	729.24	140.57
28 31 11 13-0005 EA Passive Infrared / Microwave Detectors, Long Range (Bosch DS970)	133.34	26.36
28 31 11 13-0006 EA Passive Infrared / Microwave Detectors, Medium Range (Bosch DS950)	124.81	26.36
28 31 11 13-0007 EA Passive Infrared / Microwave Detectors, 360 (Bosch DS9360)	161.25	26.36
28 31 11 13-0008 EA Glass Break Sensor (Honeywell FG1625F)	55.96	8.78
28 31 11 13-0009 EA Siren/Speaker (Sentrol MPI-36)	42.10	14.05
28 31 11 13-0010 EA Magnetic Door Contact Switch, Flush Mount (Sentrol 1078CT)	12.68	3.52
28 31 11 13-0011 EA Magnetic Door Contact Switch, Surface Mount, Non-Exposed Wiring (Sentrol 1042TW)	14.16	3.52
28 31 11 13-0012 EA Magnetic Door Contact Switch, Surface Mount, Exposed Wiring (Sentrol 2505)	30.16	5.27
28 31 11 13-0013 EA Magnetic Door Contact Switch, Floor Mount (Sentrol 2707A)	90.87	8.78
28 31 11 13-0014 EA Panel Enclosure (Bosch D8103)	86.82	26.36
28 31 11 13-0015 EA Lock And Key Assembly (Bosch D101)	10.29	3.52
28 31 11 13-0016 EA 7 AH, 12 Volt Battery (Bosch D126)	42.00	8.78
28 31 11 13-0017 EA Transformer (Bosch D1640)	17.73	3.52
28 31 11 13-0018 EA Keypad Back Boxes (Bosch D56)	17.88	3.52
28 31 11 13-0019 EA Auxiallry Relay (Bosch D136)	12.30	3.52
28 31 11 13-0020 EA Phone Jack, Modular (Bosch D128)	55.20	8.78
28 31 11 13-0021 EA Battery Charging Module (Bosch D8132)	123.52	14.05
28 31 11 13-0022 EA OctoPopit (Bosch D8128D)	118.04	14.05
28 31 11 13-0023 EA OctoRelay (Bosch D8129)	127.35	14.05
28 31 11 13-0024 EA Transformer Kit (Bosch D8004)	57.47	7.03
28 31 11 13-0025 EA Phone Jack, Modular (Bosch D166/RJ31X)	13.23	3.52

28 40 Life Safety (28)

Note: Includes testing of new devices and certification.

28 42 Gas Detection and Alarm (28 40)

28 42 00 00-0001 Hydrogen Gas Detection (28 42)

28 42 00 00-0002 EA Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	1,014.12	26.36
28 42 00 00-0003 EA Hydrogen Gas Detector Junction Box (SBS HGDI-JB)	55.17	26.36
28 42 00 00-0004 EA Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM)	262.18	26.36

28 Electronic Safety And Security**28 40 Life Safety****28 42 Gas Detection and Alarm**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 42 00 00-0005	Monitoring System For Underground Tanks (28 42)		
28 42 00 00-0006	Continuous Leak Detection System (28 42 00 00-0005) Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.		
28 42 00 00-0007	EA Single Channel Underground Tank Monitoring System.....	3,106.51	287.60
28 42 00 00-0008	EA 2 Channel Underground Tank Monitoring System.....	4,187.50	383.69
28 42 00 00-0009	EA 3 Channel Underground Tank Monitoring System.....	5,812.10	411.06
28 42 00 00-0010	EA 4 Channel Underground Tank Monitoring System.....	6,349.47	575.19
28 42 00 00-0011	EA Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System.....	4,157.59	49.10
28 42 00 00-0012	EA Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System.....	3,748.92	43.84
28 42 00 00-0013	EA Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System.....	4,922.40	49.10
28 42 00 00-0014	EA Tank Leak Detection Probe.....	1,519.72	10.52
28 42 00 00-0015	EA Secondary Containment Collar Probe.....	188.02	4.21
28 42 00 00-0016	EA Interstitial Leak Detection Probe.....	345.53	8.76
28 42 00 00-0017	EA Liquid Phase Detection.....	1,138.03	26.31
28 42 00 00-0018	EA Hydrocarbon Vapor, Fixed.....	1,052.19	26.31
28 42 00 00-0019	EA Hydrocarbon Vapor, Float Mounted.....	1,227.20	29.81
28 42 00 00-0020	EA Liquid And Vapor Hydrocarbon.....	1,398.89	29.81
28 43	Fuel Oil Detection And Alarm (28 40) See CSI section 28 42 00 00-0000 for detection and alarms.		
28 46	Fire Detection And Alarm (28 40)		
28 46 11	Fire Sensors and Detectors (28 46)		
28 46 11 11	Linear Heat Detection Sensors (28 46 11)		
28 46 11 11-0001	Protectowire Fire Alarm (28 46 11 11)		
28 46 11 11-0002	Linear Heat Detector Cable (28 46 11 11-0001)		
28 46 11 11-0003	LF Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC).....	2.96	
28 46 11 11-0004	LF Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M).....	3.20	
28 46 11 11-0005	LF High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR).....	3.20	
28 46 11 11-0006	LF High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M).....	3.44	
28 46 11 11-0007	LF Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT).....	3.83	
28 46 11 11-0008	LF Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M).....	4.07	
28 46 11 11-0009	EA Flexible Lead Connector For Linear Heat Detector (Protectowire PFL).....	38.95	
28 46 11 11-0010	EA Splicing Connector For Linear Heat Detector (Protectowire PWSC).....	14.86	
28 46 11 11-0011	EA Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W).....	5.19	
28 46 11 11-0012	EA Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2).....	5.19	
28 46 11 11-0013	EA Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO).....	5.84	
28 46 11 11-0014	EA Beam Clamp For Linear Heat Detector (Protectowire BC-2).....	9.10	
28 46 11 11-0015	EA Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P).....	9.42	
28 46 11 11-0016	EA Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A).....	0.82	
28 46 11 11-0017	EA Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B).....	1.12	
28 46 11 11-0018	EA Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C).....	4.90	
28 46 20	Fire Alarm (28 46)		
28 46 21 33	Fire Detection and Alarm Annunciation Panels and Fire Stations (28 46 20)		
28 46 21 33-0001	Edwards Fire Alarm (28 46 21 33)		
28 46 21 33-0002	EST3 Life Safety And Security Control (28 46 21 33-0001)		
28 46 21 33-0003	EST3 Network (28 46 21 33-0002)		
28 46 21 33-0004	Remote Annunciators (28 46 21 33-0003)		
28 46 21 33-0005	EA Remote LCD Command Module Annunciator (EST3 3-LCDANN)..... Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	826.09	52.71
28 46 21 33-0006	EA Six Position Base Annunciator (EST3 3-6ANN)..... Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	675.33	52.71
28 46 21 33-0007	EA Ten Position Base Annunciator (EST3 3-10ANN)..... Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	851.13	52.71
28 46 21 33-0008	EA Annunciator CPU (EST3 3-ANNCPU3)..... Note: One Required per graphic annunciator.	546.65	52.71
28 46 21 33-0009	EA Annunciator Support Module (EST3 3-ANNSM)..... Note: Takes one space in Annunciator box. Supports one Control/Display module.	102.28	17.57
28 46 21 33-0010	EA Liquid Crystal Display Module (EST3 3-LCD)..... Note: Mounts over 3-CPU(1).	355.53	52.71
28 46 21 33-0011	EA Liquid Crystal Display Module (EST3 3-LCDXL)..... Note: Mounts over 3-ANNCPU plus two spaces.	369.49	52.71
28 46 21 33-0012	EA LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA)..... Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.	399.59	52.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0013 EA Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA).....	460.04	35.14
Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.		
28 46 21 33-0014 EA Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX)	72.35	17.57
Note: Mounts up to three 3-EVDVRA modules.		
28 46 21 33-0015 EA Central Processor Unit Module (EST3 3-CPU3)	874.56	52.71
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 46 21 33-0016 EA Primary Power Supply With Local Rail Module, 120 VAC, 50/60 Hz (EST3 3-CPU3)	856.04	17.57
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 46 21 33-0017 Remote Annunciators Cabinets (28 46 21 33-0003)		
28 46 21 33-0018 EA Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCM/B).....	77.71	17.57
28 46 21 33-0019 EA Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCM/B-S)	70.68	14.05
28 46 21 33-0020 EA Six Position LED/LCD Flush Wallbox (EST3 6ANN/B)	87.15	17.57
28 46 21 33-0021 EA Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S)	80.12	14.05
28 46 21 33-0022 EA Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B)	96.01	17.57
28 46 21 33-0023 EA Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S).....	88.98	14.05
28 46 21 33-0024 Audio And Telephone Masters (28 46 21 33-0003)		
28 46 21 33-0025 EA Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT).....	2,670.24	70.28
28 46 21 33-0026 EA Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4).....	1,493.68	70.28
28 46 21 33-0027 EA Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU).....	1,398.09	70.28
28 46 21 33-0028 EA Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU)	1,412.79	70.28
28 46 21 33-0029 EA Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100).....	1,611.30	70.28
28 46 21 33-0030 EA Zoned Audio Amplifier Module (EST3 3-ZA95).....	1,502.05	35.14
28 46 21 33-0031 Battery Distribution Unit (28 46 21 33-0003)		
28 46 21 33-0032 EA Battery Distribution Unit (EST3 3-BTSEN).....	308.24	237.95
28 46 21 33-0033 Remote Booster Power Supply (28 46 21 33-0003)		
28 46 21 33-0034 EA 6.5 Amp, 120 VAC, Booster Power Supply (EST3 BPS6A)	473.14	52.71
28 46 21 33-0035 EA 10 Amp, 110 VAC Booster Power Supply (EST3 BPS10)	538.57	52.71
28 46 21 33-0036 EA 10 Amp, 220 VAC Booster Power Supply (EST3 BPS10220)	586.78	52.71
28 46 21 33-0037 EA Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP)	79.29	17.57
28 46 21 33-0038 Batteries And Battery Cabinets (28 46 21 33-0003)		
28 46 21 33-0039 EA 1.2 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V1A2 (1.2 Amp Hours)).....	61.32	17.57
28 46 21 33-0040 EA 4 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V4A (4.5 Amp Hours)).....	75.54	17.57
28 46 21 33-0041 EA 24 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V24A (26 Amp Hours)).....	173.60	17.57
28 46 21 33-0042 EA 6.5 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V6A5 (7.2 Amp Hours)).....	81.23	17.57
28 46 21 33-0043 EA 40 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V40A (40 Amp Hours)).....	219.13	17.57
28 46 21 33-0044 EA 10 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V10A (11 Amp Hours)).....	124.89	17.57
28 46 21 33-0045 EA 50 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V50A (50 Amp Hours)).....	440.92	17.57
28 46 21 33-0046 EA 17 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V17A (18 Amp Hours)).....	127.82	17.57
28 46 21 33-0047 EA 65 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V65A (65 Amp Hours)).....	530.11	17.57
28 46 21 33-0048 EA 8.0 Amp Hours Sealed Lead Acid Battery - 6 VDC (EST3 6V8A (8 Amp Hours)).....	72.77	17.57
28 46 21 33-0049 EA 10 Amp Hours Sealed Lead Acid Battery - 6 VDC (EST3 6V10A (12 Amp Hours)).....	65.67	17.57
28 46 21 33-0050 EA Battery Cabinet, 14.0" x 18.25" x 7.25" Free Standing Cabinet With Key Lock (EST3 BC-1).....	228.86	35.14
Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.		
28 46 21 33-0051 EA Battery Cabinet, Gray 22" X 15" X 3.75" (EST3 BC-2)	190.57	35.14
Note: Holds up to two 12V17A batteries.		
28 46 21 33-0052 EA Remote Closet Enclosure (EST3 3-RCC7R)	640.68	70.28
28 46 21 33-0053 EA Remote Closet Enclosure (EST3 3-RCC14R)	791.39	70.28
28 46 21 33-0054 EA Remote Closet Enclosure (EST3 3-RCC21R)	1,103.92	70.28
28 46 21 33-0055 Serial Printer (28 46 21 33-0003)		
28 46 21 33-0056 EA System Printer - Desk Top Style (EST3 PT-1S)	852.22	17.57
28 46 21 33-0057 Intelligent Analog Initiating Devices (28 46 21 33-0002)		
28 46 21 33-0058 Detectors, Signature (28 46 21 33-0057)		
28 46 21 33-0059 EA Intelligent 4D Multisensor Detector - Ionization, Photoelectric, Heat (EST3 SIGA-IPHS)	138.44	26.36
28 46 21 33-0060 EA Intelligent 4D Multisensor Detector, Black - Ionization, Photoelectric, Heat (EST3 SIGA-IPHSB)	154.99	26.36
28 46 21 33-0061 EA Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA-PHS)	133.51	26.36
28 46 21 33-0062 EA Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS)	118.73	26.36
28 46 21 33-0063 EA Intelligent Ionization Smoke Detector (EST3 SIGA-IS)	123.65	26.36
28 46 21 33-0064 EA Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA-HRS)	102.24	26.36
28 46 21 33-0065 EA Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA-HFS)	102.24	26.36
28 46 21 33-0066 EA Passive Infrared Motion Detector (EST3 SIGA-MD)	159.39	26.36
28 46 21 33-0067 EA Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS)	175.54	26.36
28 46 21 33-0068 EA Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS)	148.91	26.36
28 46 21 33-0069 EA Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS)	213.07	26.36
28 46 21 33-0070 EA Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA2-HFS)	124.96	26.36

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0071 EA Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA2-HRS).....	124.96	26.36
28 46 21 33-0072 EA Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA2-PHS).....	170.47	26.36
28 46 21 33-0073 Detectors, Duct Housings and Accessories, Signature <small>(28 46 21 33-0057)</small>		
28 46 21 33-0074 EA Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD).....	278.33	43.92
28 46 21 33-0075 EA Superduct, Test Magnet Kit (EST3 SD-MAG).....	12.69	
28 46 21 33-0076 EA Superduct, 120" Air Sample Tube (EST3 SD-T120).....	37.50	10.54
28 46 21 33-0077 EA Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK).....	73.18	14.05
28 46 21 33-0078 EA Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS).....	98.20	14.05
28 46 21 33-0079 EA High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL).....	44.64	14.05
28 46 21 33-0080 Detectors, Smoke, Beam <small>(28 46 21 33-0057)</small>		
28 46 21 33-0081 EA Firearay 2000 Beam Alignment Aid, For Quick Alignment Of Beam Detector Transmitter And Receiver Heads (EST3 0201-01-A).....	95.12	
28 46 21 33-0082 EA Firearay 2000 Beam Smoke Detector (By Fire Fighting Enterprises) (EST3 22310-18-01).....	1,117.21	26.36
Note: Includes controller and remote mount transmitter and receiver head.		
28 46 21 33-0083 EA Firearay 2000 Beam Detector Prism, Use To Reflect Beam When Mounting Transmitter And Receiver Heads On Same Wall (EST3 23901-00).....	68.35	8.78
28 46 21 33-0084 EA Replacement Reflector, For EC-50R/100R Reflective Beam Detectors (EST3 23901-01).....	81.01	8.78
28 46 21 33-0085 EA 160 - 330' Reflective Beam Detector (EST3 EC-100R).....	1,152.10	26.36
28 46 21 33-0086 EA 15 - 160' Reflective Beam Detector (EST3 EC-50R).....	982.96	26.36
28 46 21 33-0087 EA Remote Test Station, For EC-50R/100R Reflective Beam Detectors (EST3 EC-LLT).....	229.04	8.78
28 46 21 33-0088 EA 160 - 330' Self Adjusting Reflective Beam Detector (EST3 EC-5000R).....	1,214.46	26.36
28 46 21 33-0089 Modules, Signature <small>(28 46 21 33-0057)</small>		
28 46 21 33-0090 EA Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB).....	129.10	17.57
28 46 21 33-0091 EA Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1).....	85.44	17.57
28 46 21 33-0092 EA Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2).....	120.87	17.57
28 46 21 33-0093 EA Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2).....	115.91	17.57
28 46 21 33-0094 EA Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1).....	109.38	17.57
28 46 21 33-0095 EA Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2).....	130.80	17.57
28 46 21 33-0096 EA Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR).....	104.38	17.57
Note: Select for either N.O. or N.C. operation. Rated at 2 amps (24Vdc).		
28 46 21 33-0097 EA Control Relay UIO (Plug In) Module (EST3 SIGA-MCR).....	101.16	17.57
28 46 21 33-0098 EA Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S).....	134.11	17.57
28 46 21 33-0099 EA Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO).....	130.80	17.57
28 46 21 33-0100 EA Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO).....	125.87	17.57
28 46 21 33-0101 EA Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM).....	115.65	98.08
28 46 21 33-0102 EA Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1).....	85.44	17.57
Note: Factory programmed for non-latching monitor operation.		
28 46 21 33-0103 EA Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S).....	134.75	17.57
28 46 21 33-0104 Module Accessories, Signature <small>(28 46 21 33-0057)</small>		
Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 & 2-gang modules.		
28 46 21 33-0105 EA Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4).....	34.13	8.78
28 46 21 33-0106 EA Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6).....	114.31	17.57
28 46 21 33-0107 EA Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P).....	13.00	5.27
28 46 21 33-0108 EA Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1).....	39.83	8.78
28 46 21 33-0109 EA Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2).....	35.74	8.78
28 46 21 33-0110 EA Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L).....	37.36	8.78
28 46 21 33-0111 Single Action Pull Stations, Signature <small>(28 46 21 33-0057)</small>		
28 46 21 33-0112 EA One Stage Fire Alarm Station, English Markings (EST3 SIGA-270).....	144.52	36.55
28 46 21 33-0113 EA Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P).....	169.25	36.55
28 46 21 33-0114 EA GA Key - For Pre Signal Station (EST3 276-K2).....	19.59	16.08
28 46 21 33-0115 EA 20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR).....	24.35	20.84
28 46 21 33-0116 EA Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB).....	38.79	24.73
28 46 21 33-0117 Double Action Pull Stations, Signature <small>(28 46 21 33-0057)</small>		
28 46 21 33-0118 EA Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278).....	149.45	36.55
28 46 21 33-0119 EA 12 Glass Rods For SIGA-278 Series (EST3 276-GLR).....	24.70	3.52
28 46 21 33-0120 Detector Bases and Accessories, Signature <small>(28 46 21 33-0057)</small>		
Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0121 EA Audible (Sounder) Base (EST3 SIGA-AB4G)	70.71	8.78
28 46 21 33-0122 EA Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB)	27.51	8.78
28 46 21 33-0123 EA Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4)	87.87	8.78
28 46 21 33-0124 EA Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG)	50.61	8.78
28 46 21 33-0125 EA Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB)	58.85	8.78
28 46 21 33-0126 EA Detector Mounting Plate (EST3 SIGA-DMP)	91.81	8.78
Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.		
28 46 21 33-0127 EA Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED)	34.13	8.78
28 46 21 33-0128 EA Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS)	13.08	5.27
28 46 21 33-0129 EA Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4)	13.08	5.27
28 46 21 33-0130 EA Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF)	35.34	5.27
28 46 21 33-0131 EA Detector Base With Isolator (EST3 SIGA-IB)	58.01	8.78
28 46 21 33-0132 EA Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4)	61.54	8.78
28 46 21 33-0133 EA Detector Base With Form 'C' Relay (EST3 SIGA-RB)	51.85	8.78
28 46 21 33-0134 EA Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4)	51.85	8.78
28 46 21 33-0135 EA Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4)	28.74	8.78
28 46 21 33-0136 Controllers, Signature (28 46 21 33-0057)		
28 46 21 33-0137 EA Signature Dual Driver Controller (EST3 3-SDDC1)	1,917.21	52.71
28 46 21 33-0138 EA Single Signature Loop Controller (EST3 3-SSDC1)	1,103.85	52.71
28 46 21 33-0139 EA Signature Loop Controller (EST3 3-SDC1)	992.83	52.71
28 46 21 33-0140 EA Analog Addressable Loop Controller (EST3 3-AADC1)	1,584.44	52.71
28 46 21 33-0141 Relays And Accessories (28 46 21 33-0057)		
28 46 21 33-0142 EA Multi Voltage Relay (EST3 MR101)	104.98	17.57
28 46 21 33-0143 EA Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T)	32.04	8.78
28 46 21 33-0144 Notification Appliances (28 46 21 33-0002)		
28 46 21 33-0145 Wall Strobes, Horns And Chimes (28 46 21 33-0144)		
28 46 21 33-0146 EA Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM)	87.95	26.36
28 46 21 33-0147 EA Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM)	87.95	26.36
28 46 21 33-0148 EA Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM)	99.43	26.36
28 46 21 33-0149 EA Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD)	75.02	26.36
28 46 21 33-0150 EA Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD)	75.02	26.36
28 46 21 33-0151 EA Temporal Horn, Hi/Lo dB Output, 24 VDC, White, With The Word "FIRE" On Housing (EST3 G1F-HD)	75.02	26.36
28 46 21 33-0152 EA Temporal Horn, Hi/Lo dB Output, 24 VDC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD)	75.02	26.36
28 46 21 33-0153 EA Horn (Steady Tone), 24 VDC, White, Not Compatible With Signal Master (EST3 G1-P)	64.15	26.36
28 46 21 33-0154 EA Horn (Steady Tone) - 24 VDC, Red, Not Compatible With Signal Master (EST3 G1R-P)	64.15	26.36
28 46 21 33-0155 EA Horn (Steady Tone), 24 VDC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P)	64.15	26.36
28 46 21 33-0156 EA Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM)	146.28	26.36
28 46 21 33-0157 EA Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM)	146.28	26.36
28 46 21 33-0158 EA Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C)	98.03	26.36
28 46 21 33-0159 EA Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C)	98.03	26.36
28 46 21 33-0160 EA Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575)	87.95	26.36
28 46 21 33-0161 EA Multi-cd Strobe, 24 VDC, White, With The Word "FIRE" On Housing (EST3 G1F-VM)	87.95	26.36
28 46 21 33-0162 EA Multi-Candela Strobe, 24 VDC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM)	87.95	26.36
28 46 21 33-0163 EA Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575)	87.95	26.36
28 46 21 33-0164 EA Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM)	91.18	26.36
28 46 21 33-0165 EA Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM)	91.18	26.36
28 46 21 33-0166 EA Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH)	98.73	26.36
28 46 21 33-0167 EA Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM)	91.18	26.36
28 46 21 33-0168 EA Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH)	91.18	26.36
28 46 21 33-0169 EA Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE)	57.09	26.36
28 46 21 33-0170 EA Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE)	57.09	26.36
28 46 21 33-0171 Wall Speakers And Speaker Strobes (28 46 21 33-0144)		
28 46 21 33-0172 EA Multi-Wattage 25 VRMS Speaker (EST3 G4-S2)	74.05	26.36
28 46 21 33-0173 EA Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM)	110.45	26.36
28 46 21 33-0174 EA Multi-Wattage 70 VRMS Speaker (EST3 G4-S7)	74.05	26.36
28 46 21 33-0175 EA Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM)	110.45	26.36
28 46 21 33-0176 EA Surface Box, White, For Genesis Speaker (EST3 G4B)	36.98	14.05
28 46 21 33-0177 EA Surface Box, Red, For Genesis Speaker (EST3 G4RB)	36.98	14.05
28 46 21 33-0178 Ceiling Speakers And Speaker Strobes (28 46 21 33-0144)		
28 46 21 33-0179 EA Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7)	87.25	26.36
28 46 21 33-0180 EA Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM)	110.45	26.36
28 46 21 33-0181 EA Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH)	117.80	26.36

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0182			Harsh Environment Signals (28 46 21 33-0144)		
28 46 21 33-0183	EA		Temporal Horn, Self-Synchronized, 24 VDC (EST3 757-1A-T).....	78.21	26.36
28 46 21 33-0184	EA		15/75 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-7A-T).....	107.19	26.36
28 46 21 33-0185	EA		110 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-8A-T).....	107.19	26.36
28 46 21 33-0186	EA		15 Candela Synchronized, 24 VDC, Strobe (EST3 405-5A-T).....	98.57	26.36
28 46 21 33-0187	EA		15/75 Candela Synchronized, 24 VDC, Strobe (EST3 405-7A-T).....	92.85	26.36
28 46 21 33-0188	EA		30 Candela Synchronized, 24 VDC, Strobe (EST3 405-3A-T).....	98.57	26.36
28 46 21 33-0189	EA		60 Candela Synchronized, 24 VDC, Strobe (EST3 405-6A-T).....	98.57	26.36
28 46 21 33-0190	EA		110 Candela Synchronized, 24 VDC, Strobe (EST3 405-8A-T).....	98.57	26.36
28 46 21 33-0191	EA		15/75 Candela Synchronized, 24 VDC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T).....	109.16	29.87
28 46 21 33-0192	EA		110 Candela Synchronized, 24 VDC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T).....	109.16	29.87
28 46 21 33-0193	EA		15 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-5A-T).....	81.73	26.36
28 46 21 33-0194	EA		30 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-3A-T).....	104.49	26.36
28 46 21 33-0195			Fire Alarm Bells (28 46 21 33-0144)		
28 46 21 33-0196	EA		10" Single Stroke Fire Alarm Bells, 24 VDC (EST3 323D-10AW).....	115.23	26.36
28 46 21 33-0197	EA		6" Vibrating Fire Alarm Bells, 24 VDC (EST3 439D-6AW).....	93.59	26.36
28 46 21 33-0198	EA		10" Vibrating Fire Alarm Bells, 24 VDC (EST3 439D-10AW).....	102.82	26.36
28 46 21 33-0199			Multiple Tone Signal (28 46 21 33-0144)		
28 46 21 33-0200	EA		27 Tone Selectable Signal, 24 VDC (EST3 5530MD-24AW).....	702.06	675.71
28 46 21 33-0201			Multi-Purpose Loudspeaker (28 46 21 33-0144)		
28 46 21 33-0202	EA		15 Watt Loudspeaker, Gray (EST3 HPSA15G2570).....	149.74	26.36
28 46 21 33-0203	EA		15 Watt Loudspeaker, Red (EST3 HPSA15R2570).....	149.74	26.36
28 46 21 33-0204			Bell/Strobe Plate (28 46 21 33-0144)		
28 46 21 33-0205	EA		Bell/Strobe Plate - 15cd (EST3 403-5A-R).....	75.93	14.05
28 46 21 33-0206			Mounting Accessories (28 46 21 33-0144)		
28 46 21 33-0207	EA		Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11).....	37.65	14.05
28 46 21 33-0208	EA		One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY).....	37.65	14.05
28 46 21 33-0209	EA		Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16).....	37.65	14.05
28 46 21 33-0210	EA		Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21).....	37.65	14.05
28 46 21 33-0211	EA		Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26).....	37.65	14.05
28 46 21 33-0212			Firefighters' Telephones (28 46 21 33-0144)		
28 46 21 33-0213	EA		Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4).....	634.06	43.92
28 46 21 33-0214	EA		Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4).....	360.96	43.92
28 46 21 33-0215	EA		Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F).....	262.61	43.92
28 46 21 33-0216	EA		Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1).....	194.05	43.92
28 46 21 33-0217	EA		Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4).....	348.72	43.92
28 46 21 33-0218	EA		Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A).....	218.52	43.92
28 46 21 33-0219	EA		Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4).....	392.06	43.92
28 46 21 33-0220	EA		Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A).....	226.68	43.92
28 46 21 33-0221	EA		Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4).....	447.56	43.92
28 46 21 33-0222	EA		Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1).....	51.00	14.05
28 46 21 33-0223	EA		Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4).....	58.10	14.05
28 46 21 33-0224	EA		Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3).....	77.66	
28 46 21 33-0225	EA		Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061).....	77.66	
28 46 21 33-0226	EA		Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1).....	120.34	17.57
28 46 21 33-0227	EA		Frontplate - Flush Mount, Red Finish, Non Break Glass Type With Two Keys (EST3 6831-2).....	148.60	17.57
28 46 21 33-0228	EA		Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3).....	106.21	17.57
28 46 21 33-0229	EA		Frontplate - Surface Mount, Red Finish, Non Break Glass Type, With Two Keys (EST3 6831-4).....	102.06	17.57
28 46 21 33-0230	EA		Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1).....	78.53	26.36
28 46 21 33-0231	EA		Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6).....	652.16	35.14
28 46 21 33-0232			Mass Notification EC Appliances (28 46 21 33-0144)		
28 46 21 33-0233	EA		G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA).....	91.20	26.36
28 46 21 33-0234	EA		G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC).....	88.27	26.36
28 46 21 33-0235	EA		G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA).....	91.20	26.36
28 46 21 33-0236	EA		G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC).....	88.27	26.36
28 46 21 33-0237	EA		G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT).....	14.05	5.27
28 46 21 33-0238			Hazardous Location Devices (28 46 21 33-0002)		
28 46 21 33-0239			Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location (28 46 21 33-0238)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0240 EA Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135)	81.85	26.36
28 46 21 33-0241 EA Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194)	81.85	26.36
28 46 21 33-0242 EA Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135)	84.29	26.36
28 46 21 33-0243 EA Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194)	84.29	26.36
28 46 21 33-0244 EA Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135)	113.44	26.36
28 46 21 33-0245 EA Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194)	113.44	26.36
28 46 21 33-0246 EA Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135)	84.29	26.36
28 46 21 33-0247 EA Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194)	84.29	26.36
28 46 21 33-0248 Hazardous Locations Fire Alarm Station <small>(28 46 21 33-0238)</small>		
28 46 21 33-0249 EA Hazardous Location Fire Alarm Station (EST3 XAL53)	671.08	43.92
28 46 21 33-0250 EA Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE)	639.40	43.92
28 46 21 33-0251 Hazardous Location Strobes <small>(28 46 21 33-0238)</small>		
28 46 21 33-0252 EA Explosion Proof Strobe (EST3 116DEXSTC-FJ)	987.78	26.36
28 46 21 33-0253 EA Wall Bracket Mounting Elbow (EST3 116EX-B)	185.31	8.78
28 46 21 33-0254 EA Ceiling / Wall Mounting Module (EST3 116EX-C)	242.21	10.54
28 46 21 33-0255 EA Pendant Mounting Module (EST3 116EX-P)	178.43	10.54
28 46 21 33-0256 Hazardous Location Bells <small>(28 46 21 33-0238)</small>		
28 46 21 33-0257 EA 6" Hazardous Location Bells, 24 VDC (EST3 439DEX-6AW)	714.62	26.36
28 46 21 33-0258 EA 8" Hazardous Location Bells, 24 VDC (EST3 439DEX-8AW)	732.96	26.36
28 46 21 33-0259 EA 10" Hazardous Location Bells, 24 VDC (EST3 439DEX-10AW)	739.57	26.36
28 46 21 33-0260 Hazardous Location Horns <small>(28 46 21 33-0238)</small>		
28 46 21 33-0261 EA Hazardous Location Horns (EST3 888D-N5)	698.81	26.36
28 46 21 33-0262 EA Explosion Proof Horn, Diode Polarized, 24 VDC (EST3 889D-AW)	571.88	26.36
28 46 21 33-0263 Door Holders And Relays <small>(28 46 21 33-0002)</small>		
28 46 21 33-0264 Electromagnetic Door Holders <small>(28 46 21 33-0263)</small>		
28 46 21 33-0265 EA Door Holder, Single, Floor Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1501-AQN5)	130.34	26.36
28 46 21 33-0266 EA Door Holder, Double, Floor Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1502-AQN5)	167.16	26.36
28 46 21 33-0267 EA Door Holder, Flush, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1504-AQN5)	111.54	26.36
28 46 21 33-0268 EA Door Holder, Flush, Wall Mount, Short Catch Plate - 24 VAC / 24 VDC / 120 VAC (EST3 1505-AQN5)	111.54	26.36
28 46 21 33-0269 EA Door Holder, Surface, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1508-AQN5)	113.24	26.36
28 46 21 33-0270 EA Door Holder, Completely Flush, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1509-AQN5)	114.86	26.36
28 46 21 33-0271 Control Relays, Multi-Voltage <small>(28 46 21 33-0263)</small>		
28 46 21 33-0272 EA Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1)	26.34	5.27
28 46 21 33-0273 FireShield Plus <small>(28 46 21 33-0002)</small>		
28 46 21 33-0274 3 Zone System <small>(28 46 21 33-0273)</small>		
28 46 21 33-0275 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R)	722.44	210.85
28 46 21 33-0276 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD)	1,046.37	281.13
28 46 21 33-0277 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G)	722.44	210.85
28 46 21 33-0278 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD)	1,046.37	281.13
28 46 21 33-0279 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	49.29	8.78
28 46 21 33-0280 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	49.29	8.78
28 46 21 33-0281 5 Zone System <small>(28 46 21 33-0273)</small>		
28 46 21 33-0282 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R)	773.78	210.85
28 46 21 33-0283 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD)	1,094.78	281.13
28 46 21 33-0284 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G)	773.78	210.85

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0285 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD).....	1,094.78	281.13
28 46 21 33-0286 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	49.29	8.78
28 46 21 33-0287 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	49.29	8.78
28 46 21 33-0288 10 Zone System (28 46 21 33-0273)		
28 46 21 33-0289 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R).....	1,112.38	281.13
28 46 21 33-0290 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD).....	1,436.33	351.41
28 46 21 33-0291 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G).....	1,090.38	281.13
28 46 21 33-0292 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD).....	1,436.33	351.41
28 46 21 33-0293 EA Semi Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G).....	57.24	8.78
28 46 21 33-0294 EA NAC Power Expansion Transformer, 120 VAC, Increases 10 Zone FACP NAC (EST3 F-XTR120).....	104.99	17.57
28 46 21 33-0295 FireShield Plus Off Premise Communication Options (28 46 21 33-0273)		
28 46 21 33-0296 EA F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT).....	225.85	17.57
28 46 21 33-0297 FireShield Plus Remote LED Annunciators (28 46 21 33-0273)		
28 46 21 33-0298 EA Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI).....	100.31	26.36
28 46 21 33-0299 EA Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A).....	100.31	26.36
28 46 21 33-0300 EA Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA).....	104.05	26.36
28 46 21 33-0301 EA Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2).....	20.08	5.27
28 46 21 33-0302 EA Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3).....	24.87	5.27
28 46 21 33-0303 EA Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4).....	36.37	5.27
28 46 21 33-0304 FireShield Plus Remote 10 Zone LED Annunciators (28 46 21 33-0273)		
28 46 21 33-0305 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10).....	302.10	26.36
28 46 21 33-0306 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C).....	331.44	26.36
28 46 21 33-0307 EA Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1).....	108.49	17.57
28 46 21 33-0308 FireShield Plus Remote Relays And Interfaces (28 46 21 33-0273)		
28 46 21 33-0309 EA Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24).....	114.48	17.57
28 46 21 33-0310 EA 11" Snap Track Holds 2-4 RRM's, Used To Mount FSRRM's In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11).....	48.12	10.54
28 46 21 33-0311 EA Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM).....	180.37	17.57
28 46 21 33-0312 FireShield Plus Accessories (28 46 21 33-0273)		
28 46 21 33-0313 EA Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1).....	10.88	
28 46 21 33-0314 EA 4.7k UL End Of Line Resistor With FireShield Panels (EST3 EOL47PK7).....	6.86	
28 46 21 33-0315 iO Series Fire Control Panels (28 46 21 33-0002)		
28 46 21 33-0316 Intelligent Analog Control Panels (28 46 21 33-0315)		
28 46 21 33-0317 EA FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G).....	2,180.23	351.41
28 46 21 33-0318 EA FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 18 a/h Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD).....	2,322.53	351.41
28 46 21 33-0319 EA FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 10 a/h Batteries, English (EST3 iO64G).....	1,740.66	281.13
28 46 21 33-0320 EA FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 10a/h Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD).....	1,806.68	281.13
28 46 21 33-0321 Option Modules And Accessories For iO Series (28 46 21 33-0315)		
28 46 21 33-0322 EA 16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1).....	199.41	26.36
28 46 21 33-0323 EA 16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2).....	126.06	26.36
28 46 21 33-0324 EA Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232).....	126.06	26.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0325 EA Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA)	108.49	17.57
28 46 21 33-0326 EA Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT).....	218.82	14.05
28 46 21 33-0327 EA Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH).....	394.86	14.05
28 46 21 33-0328 EA Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1)	48.38	8.78
28 46 21 33-0329 EA Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2)	55.71	8.78
28 46 21 33-0330 EA Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250).....	730.43	35.14
28 46 21 33-0331 Remote Annunciators For iO Series (28 46 21 33-0315)		
28 46 21 33-0332 EA Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD).....	401.12	26.36
28 46 21 33-0333 EA Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C).....	419.46	26.36
28 46 21 33-0334 Remote Annunciator Accessories (28 46 21 33-0315)		
28 46 21 33-0335 EA 24 Expander Cable Assembly, With Cable And Hardware (EST3 730073).....	46.91	8.78
28 46 21 33-0336 EA 12 Expander Cable (Cable Only) (EST3 7120313-01).....	32.24	8.78
28 46 21 33-0337 EA 24 Expander Cable (Cable Only) (EST3 7120313-02).....	43.24	8.78
28 46 21 33-0338 EA Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1).....	126.06	26.36
28 46 21 33-0339 EA Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2).....	144.39	26.36
28 46 21 33-0340 EA Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3).....	162.73	26.36
28 46 21 33-0341 EA Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC).....	32.24	8.78
28 46 21 33-0342 EA Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC).....	32.24	8.78
28 46 21 33-0343 EA Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY)	64.29	8.78
28 46 21 33-0344 System Accessories (28 46 21 33-0315)		
28 46 21 33-0345 EA Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 VDC, 24 Amp Batteries (EST3 BC-1)	228.86	35.14
28 46 21 33-0346 EA Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A).....	1,062.80	281.13
28 46 21 33-0347 Conventional Initiating Devices (28 46 21 33-0002)		
28 46 21 33-0348 Detectors, Heat, Double Pole (28 46 21 33-0347)		
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 21 33-0349 EA Heat Detector, 135 Degree F Fixed Temperature (CF135-2)	92.24	26.36
28 46 21 33-0350 EA Heat Detector, 200 Degree F Fixed Temperature (CF200-2)	92.24	26.36
28 46 21 33-0351 EA Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2).....	92.24	26.36
28 46 21 33-0352 EA Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2).....	92.24	26.36
28 46 21 33-0353 Detectors, Rate Compensation Heat, Accessories (28 46 21 33-0347)		
28 46 21 33-0354 EA Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P)	58.25	26.36
28 46 21 33-0355 EA Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11).....	148.02	14.05
28 46 21 33-0356 EA 4" Weatherproof, Octagon Backbox And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27).....	49.43	17.57
28 46 21 33-0357 Detectors, Heat, Fire-Lite (28 46 21 33-0347)		
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 21 33-0358 EA Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135)	86.63	26.36
28 46 21 33-0359 EA Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194)	86.63	26.36
28 46 21 33-0360 Audio Notification Systems (Standalone Voice Evacuation) (28 46 21 33-0002)		
28 46 21 33-0361 Audio Notification Panels (28 46 21 33-0360)		
28 46 21 33-0362 EA Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG)	2,881.33	351.41
28 46 21 33-0363 EA Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR).....	2,881.33	351.41
28 46 21 33-0364 EA Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG).....	2,169.83	351.41
28 46 21 33-0365 EA Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR)	2,169.83	351.41
28 46 21 33-0366 EA Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG)	2,521.91	351.41
28 46 21 33-0367 EA Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR).....	2,521.91	351.41
28 46 21 33-0368 Audio Notification Expander Panels (28 46 21 33-0360)		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0369 EA Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG).....	2,228.51	351.41
28 46 21 33-0370 EA Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR).....	2,228.51	351.41
28 46 21 33-0371 EA Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG).....	1,539.02	351.41
28 46 21 33-0372 EA Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR).....	1,539.02	351.41
28 46 21 33-0373 EA Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG).....	1,942.45	351.41
28 46 21 33-0374 EA Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR).....	1,942.45	351.41
28 46 21 33-0375 Audio Notification Output Accessories (28 46 21 33-0360)		
28 46 21 33-0376 EA Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B).....	83.59	8.78
28 46 21 33-0377 EA Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A).....	365.22	17.57
28 46 21 33-0378 EA Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B).....	365.22	17.57
28 46 21 33-0379 EA Class A Converter (GE ANSZSC4A).....	262.52	17.57
28 46 21 33-0380 Audio Notification Remote Microphone (28 46 21 33-0360)		
28 46 21 33-0381 EA Microphone (GE ANSMIKE).....	101.16	17.57
28 46 21 33-0382 EA Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG).....	401.89	17.57
28 46 21 33-0383 EA Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR).....	401.89	17.57
28 46 21 33-0384 EA Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP).....	90.92	8.78
28 46 21 33-0385 EA Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR).....	50.57	8.78
28 46 21 33-0386 Audio Notification Accessories (28 46 21 33-0360)		
28 46 21 33-0387 EA Audio Matching - Line Input/Output Card (GE ANSAUX).....	167.17	17.57
28 46 21 33-0388 EA Class B Backup Amplifier Switching Module (GE ANSBKUP).....	167.17	17.57
28 46 21 33-0389 EA Class A Backup Amplifier Switching Module (GE ANSBKUPA).....	167.17	17.57
28 46 21 33-0390 EA Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANSRIS8).....	365.22	17.57
28 46 21 33-0391 Audio Notification Modules, Without Cabinet And Transformer (28 46 21 33-0360)		
28 46 21 33-0392 EA 100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A).....	1,324.56	35.14
Note: Excludes cabinet.		
28 46 21 33-0393 EA 100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM).....	1,390.58	35.14
Note: Excludes cabinet.		
28 46 21 33-0394 EA 100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD).....	1,918.70	35.14
Note: Excludes cabinet.		
28 46 21 33-0395 EA 25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A).....	730.43	35.14
Note: Excludes cabinet.		
28 46 21 33-0396 EA 25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM).....	730.43	35.14
Note: Excludes cabinet.		
28 46 21 33-0397 EA 25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD).....	1,324.56	35.14
28 46 21 33-0398 EA 50W Expander Module (No Microphone Or DMR) (GE ANS50A).....	1,060.50	35.14
Note: Excludes cabinet.		
28 46 21 33-0399 EA 50W Expander Module With Microphone (No DMR) (GE ANS50AM).....	1,126.52	35.14
Note: Excludes cabinet.		
28 46 21 33-0400 EA 50W Audio Notification Module With DMR And Microphone (GE ANS50AMD).....	1,654.64	35.14
Note: Excludes cabinet.		
28 46 21 33-0401 EA Power Transformer, Open Frame, 28 VAC @ 180 VA (EVAX 50/100) (GE ANST28180).....	83.59	8.78
28 46 21 33-0402 EA Power Transformer, Open Frame, 28 VAC @ 100 VA (EVAX 25) (GE ANST2885).....	62.34	8.78
28 46 21 33-0403 Simplex Fire Alarm (28 46 21 33)		
28 46 21 33-0404 4100 Fire Alarm Control Panel (28 46 21 33-0403)		
28 46 21 33-0405 EA 4100U Master Controller Assembly With LCD And Operator Interface, 9 Amp System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACS, Auxiliary Relay And External RUI Communications Interface, 120 VAC Input (Simplex 4100-9111).....	3,627.21	350.73
28 46 21 33-0406 EA 4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amp System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 VAC Input (Simplex 4100-9141).....	3,945.84	350.73
28 46 21 33-0407 EA 4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142).....	5,614.65	350.73
28 46 21 33-0408 EA IDNet Module, Up To 127 Points (Simplex 4100-3104).....	2,375.07	350.73
Note: Add-on module.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0409 EA IDNet Module, Up To 64 Points (Simplex 4100-3105).....	1,889.15	350.73
Note: Add-on module.		
28 46 21 33-0410 EA Expansion Power Supply, 3 NACs, 120 VAC (Simplex 4100-5101).....	1,128.95	87.68
Note: Add-on module.		
28 46 21 33-0411 EA Alarm Relay, 3 Form C Relays, 2 Amp @ 32 VDC, For SPS Or RPS (Simplex 4100-6033).....	236.00	17.54
Note: Add-on module.		
28 46 21 33-0412 EA Dual Port RS-232 Interface Card (Simplex 4100-6038).....	670.80	17.54
Note: Add-on module.		
28 46 21 33-0413 4100U Backbox <small>(28 46 21 33-0403)</small>		
28 46 21 33-0414 EA 2 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9425).....	1,171.27	70.15
Note: 24" x 40" beige backbox.		
28 46 21 33-0415 EA 3 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9443).....	1,644.02	70.15
Note: 24" x 56" beige backbox.		
28 46 21 33-0416 DACT (Digital Alarm Communicator Transmitter) <small>(28 46 21 33-0403)</small>		
28 46 21 33-0417 EA 6 Zone Fire Control Communicator (Silent Knight SK-5104).....	640.66	35.07
28 46 21 33-0418 4010 Fire Alarm Control Panel <small>(28 46 21 33-0403)</small>		
28 46 21 33-0419 EA 120 VAC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101).....	3,431.89	350.73
28 46 21 33-0420 EA 240 VAC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201).....	3,464.11	350.73
28 46 21 33-0421 EA Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806).....	128.93	17.54
28 46 21 33-0422 EA Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811).....	555.89	17.54
28 46 21 33-0423 EA Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812).....	763.85	17.54
28 46 21 33-0424 EA 120 VAC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9813).....	393.03	17.54
28 46 21 33-0425 EA 240 VAC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9823).....	425.22	17.54
28 46 21 33-0426 EA Battery Meter Module Expansion Module (Simplex 4010-9820).....	160.21	17.54
28 46 21 33-0427 Printer <small>(28 46 21 33-0403)</small>		
28 46 21 33-0428 EA 24 Pin Dot Matrix Printer (Simplex 4190-9013).....	1,154.71	17.54
28 46 21 33-0429 NAC Panel / Power Booster <small>(28 46 21 33-0403)</small>		
28 46 21 33-0430 EA IDNet NAC Extender With 4, Class B (Style Y) NACs and 8 Amp Power Supply, 120 VAC (Simplex 4009-9201).....	760.81	87.68
Note: Power supply for horns and strobes.		
28 46 21 33-0431 Battery <small>(28 46 21 33-0403)</small>		
28 46 21 33-0432 EA 50 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9296).....	468.87	17.54
Note: Two required for 24 volt DC.		
28 46 21 33-0433 EA 33 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9276).....	312.55	17.54
Note: Two required for 24 volt DC.		
28 46 21 33-0434 EA 6.2 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9272).....	114.54	17.54
Note: Two required for 24 volt DC.		
28 46 21 33-0435 Interface Modules <small>(28 46 21 33-0403)</small>		
28 46 21 33-0436 EA Supervised Individual Addressable Modules (Simplex 4090-9001).....	93.06	17.54
Note: Monitor modules for waterflow/tamper, etc.		
28 46 21 33-0437 EA Relay Individual Addressable Modules (Simplex 4090-9002).....	189.55	17.54
Note: Control modules for gas shutdown, door holders, etc.		
28 46 21 33-0438 EA Relay SPDT With LED MR-801/T (Simplex 2088-9032).....	47.60	17.54
Note: Interface relay for 120VAC		
28 46 21 33-0439 EA SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815).....	94.12	17.54
28 46 21 33-0440 EA Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817).....	42.05	8.76
28 46 21 33-0441 EA Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818).....	40.01	8.76
28 46 21 33-0442 Pull Stations <small>(28 46 21 33-0403)</small>		
28 46 21 33-0443 EA Addressable Single Action Manual Pull Station (Simplex 4099-9001).....	113.76	17.54
28 46 21 33-0444 EA N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101).....	82.07	17.54
28 46 21 33-0445 EA N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102).....	88.19	17.54
28 46 21 33-0446 EA Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103).....	79.31	17.54
28 46 21 33-0447 EA N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099- 9104).....	92.28	17.54
28 46 21 33-0448 EA N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099- 9105).....	138.90	17.54
28 46 21 33-0449 EA Pre-Signal, N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099- 9107).....	116.80	17.54
28 46 21 33-0450 EA Pre-Signal, N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108).....	137.23	17.54
28 46 21 33-0451 EA Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754).....	65.04	17.54
28 46 21 33-0452 EA Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755).....	68.78	17.54
28 46 21 33-0453 EA Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756).....	80.82	17.54

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0454 EA N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758).....	124.58	17.54
28 46 21 33-0455 EA Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759)	214.09	17.54
28 46 21 33-0456 EA Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762).....	71.85	17.54
28 46 21 33-0457 EA Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178)	44.10	8.76
28 46 21 33-0458 Weatherproof Pull Stations (28 46 21 33-0403)		
28 46 21 33-0459 EA Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138)	111.57	21.05
28 46 21 33-0460 EA Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211)	71.25	8.76
28 46 21 33-0461 Heat / Smoke Sensor (28 46 21 33-0403)		
28 46 21 33-0462 EA 32 To 122 Degree F Heat Sensor (Simplex 4098-9733).....	112.80	26.31
28 46 21 33-0463 EA Photoelectric Smoke Sensor (Simplex 4098-9714).....	162.95	26.31
28 46 21 33-0464 EA Sensor Base With Relay Driver (Simplex 4098-9791)	312.74	8.76
28 46 21 33-0465 EA Standard Sensor Base (Simplex 4098-9792).....	159.42	8.76
28 46 21 33-0466 EA Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737)	93.43	17.54
Note: Relay for 4098-9791		
28 46 21 33-0467 Explosion Proof Heat Detector (28 46 21 33-0403)		
28 46 21 33-0468 EA 135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488).....	119.21	26.31
28 46 21 33-0469 EA Explosion Proof Backbox (Killark JLX-21).....	76.80	8.76
28 46 21 33-0470 EA Explosion Proof Backbox Plugs (Killark CUP-2)	7.13	1.75
28 46 21 33-0471 Weatherproof Heat Detector (28 46 21 33-0403)		
28 46 21 33-0472 EA 194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490)	86.98	26.31
28 46 21 33-0473 200 Degree F Heat Detector (28 46 21 33-0403)		
28 46 21 33-0474 EA 194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604).....	72.58	26.31
Note: Used in kiln rooms and kitchens.		
28 46 21 33-0475 Duct Smoke Sensor (28 46 21 33-0403)		
28 46 21 33-0476 EA Duct Sensor Housing (Simplex 4098-9755).....	253.65	14.03
28 46 21 33-0477 EA Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756).....	343.54	31.56
Note: Relay output for AHU shutdown.		
28 46 21 33-0478 EA 46" To 71" Duct Sampling Tube (Simplex 2098-9798).....	38.85	8.76
Note: 25", 49", 73" or 97" sampling tube length.		
28 46 21 33-0479 EA Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806)	93.06	26.31
28 46 21 33-0480 Interior Horn (28 46 21 33-0403)		
28 46 21 33-0481 EA Red With White "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850).....	86.36	26.31
28 46 21 33-0482 EA White With Red "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853).....	86.36	26.31
28 46 21 33-0483 Interior Horn Strobe (28 46 21 33-0403)		
28 46 21 33-0484 EA Wall Mounted Horn Strobe, 75Cd, Red (Simplex 4903-9426)	118.23	26.31
28 46 21 33-0485 EA Wall Mounted Horn Strobe, 110Cd, Red (Simplex 4903-9427)	118.23	26.31
28 46 21 33-0486 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127).....	110.96	26.31
28 46 21 33-0487 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128).....	110.96	26.31
28 46 21 33-0488 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129).....	110.96	26.31
28 46 21 33-0489 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130).....	110.96	26.31
28 46 21 33-0490 EA Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131).....	113.40	26.31
28 46 21 33-0491 EA Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132).....	113.40	26.31
28 46 21 33-0492 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139).....	117.69	26.31
28 46 21 33-0493 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140).....	115.71	26.31
28 46 21 33-0494 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141).....	117.69	26.31
28 46 21 33-0495 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142).....	115.71	26.31
28 46 21 33-0496 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227).....	110.96	26.31
28 46 21 33-0497 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228).....	110.96	26.31
28 46 21 33-0498 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229).....	110.96	26.31
28 46 21 33-0499 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230).....	110.96	26.31



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0500				Interior Strobe <small>(28 46 21 33-0403)</small>		
				28 46 21 33-0501 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101)	95.51	26.31
				28 46 21 33-0502 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102)	95.51	26.31
				28 46 21 33-0503 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103)	95.48	26.31
				28 46 21 33-0504 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104)	95.51	26.31
				28 46 21 33-0505 EA Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105)	104.75	26.31
				28 46 21 33-0506 EA Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106)	104.75	26.31
				28 46 21 33-0507 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109)	105.34	26.31
				28 46 21 33-0508 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110)	106.95	26.31
				28 46 21 33-0509 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111)	106.95	26.31
				28 46 21 33-0510 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112)	106.95	26.31
				28 46 21 33-0511 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201)	95.51	26.31
				28 46 21 33-0512 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202)	95.51	26.31
				28 46 21 33-0513 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203)	95.51	26.31
				28 46 21 33-0514 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204)	95.51	26.31
28 46 21 33-0515				Interior Speakers <small>(28 46 21 33-0403)</small>		
				28 46 21 33-0516 EA Red With White "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716)	78.54	26.31
				28 46 21 33-0517 EA White With Red "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717)	78.54	26.31
				28 46 21 33-0518 EA Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721)	78.54	26.31
28 46 21 33-0519				Interior Speaker Strobe <small>(28 46 21 33-0403)</small>		
				28 46 21 33-0520 EA Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151)	125.43	26.31
				28 46 21 33-0521 EA White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153)	125.43	26.31
28 46 21 33-0522				Surge Suppressors <small>(28 46 21 33-0403)</small>		
				28 46 21 33-0523 EA Overvoltage Suppressor (Simplex 2081-9044)	79.30	5.26
				28 46 21 33-0524 EA Isolated Loop Circuit Protector (Simplex 2081-9028)	51.00	5.26
				28 46 21 33-0525 EA 120 VAC, 20 Amp Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A)	168.96	5.26
				28 46 21 33-0526 EA 24 VAC Data And Loop Circuit Surge Protector (Ditek DTK-2MHL24B)	58.29	5.26
				28 46 21 33-0527 EA Mounting Base For Two DTK-2MHL (Ditek DTK-2MB)	87.96	8.76
				28 46 21 33-0528 EA 120 VAC, 22,500 Amp, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW)	63.03	5.26
				28 46 21 33-0529 EA <105 VAC, 9,000 Amp, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MR.J31SCWP)	47.46	5.26
28 46 21 33-0530				Boxes And Adapters <small>(28 46 21 33-0403)</small>		
				28 46 21 33-0531 EA Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921)	40.01	8.76
				28 46 21 33-0532 EA Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925)	37.97	8.76
				28 46 21 33-0533 EA Red, Surface Mount Adapter Skirt (Simplex 4905-9937)	33.96	8.76
				28 46 21 33-0534 EA White, Surface Mount Adapter Skirt (Simplex 4905-9940)	28.28	8.76
28 46 21 33-0535				Accessories <small>(28 46 21 33-0403)</small>		
				28 46 21 33-0536 EA End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008)	19.91	8.76
28 46 21 33-0537				Siemens Fire Alarm <small>(28 46 21 33)</small>		
28 46 21 33-0538				Conventional Control Panels <small>(28 46 21 33-0537)</small>		
28 46 21 33-0539				SXL Batteries And Power Supplies <small>(28 46 21 33-0538)</small>		
				28 46 21 33-0540 EA 6 Amp Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3)	668.69	35.07
				28 46 21 33-0541 EA Main Board Only For PAD-3 (Siemens PAD-3-MB)	539.59	35.07
28 46 21 33-0542				Digital Fire Communicators <small>(28 46 21 33-0538)</small>		
				28 46 21 33-0543 EA Four Channel Digital Slave Fire Communicator (Siemens 5129)	522.57	35.07

28 Electronic Safety And Security

28 40 Life Safety

28 46 Fire Detection And Alarm



MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0544	Addressable Control Panels (28 46 21 33-0537)		
28 46 21 33-0545	Fireseeker Equipment (28 46 21 33-0544)		
28 46 21 33-0546	FS-250 System Panels (28 46 21 33-0545)		
28 46 21 33-0547	EA FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT) 1,649.72	350.73	
	Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.		
28 46 21 33-0548	EA FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT) 2,044.05	350.73	
	Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 21 33-0549	EA FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT) 1,230.11	280.58	
	Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 21 33-0550	EA Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON) 1,652.07	350.73	
28 46 21 33-0551	FS-250 Optional Modules (28 46 21 33-0545)		
28 46 21 33-0552	EA Main Board Module (Siemens FS-MB2) 673.38	35.07	
28 46 21 33-0553	EA Display Board Module (Siemens FS-DB2) 523.29	17.54	
28 46 21 33-0554	EA Device Loop Card (Siemens FS-DLC) 429.40	17.54	
28 46 21 33-0555	EA Releasing Module (Siemens FS-REL) 192.33	17.54	
28 46 21 33-0556	EA Remote LCD Annunciator (Siemens FS-RD2) 426.47	17.54	
28 46 21 33-0557	EA Relay Processor Card (Siemens FS-RU2) 370.72	17.54	
28 46 21 33-0558	EA Relay Expander Board (Siemens FS-RE8) 316.73	17.54	
28 46 21 33-0559	EA Serial Annunciator Processor Card (Siemens FS-SAU2) 426.47	17.54	
28 46 21 33-0560	EA 16 Output Annunciator Extender (Siemens FS-SAE16) 333.16	17.54	
28 46 21 33-0561	EA Digital Alarm Communication Transmitter (Siemens FS-DACT) 303.24	17.54	
28 46 21 33-0562	EA Municipal Tie Module (Siemens FS-MT) 258.05	17.54	
28 46 21 33-0563	EA Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2) 238.56		
28 46 21 33-0564	EA Programming Cable Kit (Siemens CBL-UD) 62.72	8.76	
28 46 21 33-0565	EA Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE) 113.11	17.54	
28 46 21 33-0566	EA Releasing Power Transformer (Siemens FS-RPT-A) 114.87	17.54	
28 46 21 33-0567	EA Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB) 128.98	14.03	
28 46 21 33-0568	EA Cabinet Trim Kit (Siemens RD-CAB-TK) 207.66	8.76	
28 46 21 33-0569	Firefinder Systems (28 46 21 33-0544)		
28 46 21 33-0570	XLS Basic Fire System Packages Without Backbox (28 46 21 33-0569)		
28 46 21 33-0571	EA 500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP) 5,717.65	350.73	
	Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 21 33-0572	EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP) 5,047.52	350.73	
	Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 21 33-0573	EA 250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP) 5,047.52	350.73	
	Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 21 33-0574	EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD) 8,378.20	350.73	
	Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.		
28 46 21 33-0575	EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD) 8,656.34	350.73	
	Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.		
28 46 21 33-0576	EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP) 4,980.04	350.73	
	Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 21 33-0577	EA 250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP) 4,980.04	350.73	
	Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 21 33-0578	EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP) 5,764.01	350.73	
	Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 21 33-0579	Firefinder - XLS Basic System Equipment (28 46 21 33-0569)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0580 EA Person Machine Interface With Central Processor (Siemens PMI).....	2,657.25	350.73
Note: Includes inner door.		
28 46 21 33-0581 EA Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC).....	4,388.90	350.73
Note: Includes inner door.		
28 46 21 33-0582 EA Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT)	2,657.25	350.73
Note: Includes inner door.		
28 46 21 33-0583 EA Two Slot Card Cage (Siemens CC-2).....	326.12	17.54
28 46 21 33-0584 EA Five Slot Card Cage (Siemens CC-5).....	549.69	17.54
28 46 21 33-0585 EA Four Circuit Zone Indicating Card (Siemens ZIC-4A)	784.41	17.54
28 46 21 33-0586 EA Eight Circuit Zone Indicating Card (Siemens ZIC-8B).....	819.03	17.54
28 46 21 33-0587 EA Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C).....	260.40	17.54
28 46 21 33-0588 EA Device Loop Card (Siemens DLC).....	929.35	17.54
Note: Interfaces with up to 252 detectors and devices.		
28 46 21 33-0589 EA Controllable Relay Card (Siemens CRC-6).....	527.40	17.54
Note: Provides six programmable relays.		
28 46 21 33-0590 EA 12 Amp Power Supply Charger Module (Siemens PSC-12).....	1,990.87	17.54
28 46 21 33-0591 EA Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI)	3,440.05	350.73
Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.		
28 46 21 33-0592 EA Network Interface Card (Siemens NIC-C).....	616.59	17.54
Note: Provides HNET Or XNET communication between enclosures.		
28 46 21 33-0593 EA 12 Amp Power Supply Extender (Siemens PSX-12)	1,656.40	17.54
Note: Extends PSC-12 with an additional 24 volt DC.		
28 46 21 33-0594 EA Power Termination Board (Siemens PTB).....	281.53	17.54
Note: Used with systems requiring more than one PSX-12.		
28 46 21 33-0595 EA Conventional Detector Card (Siemens CDC-4)	594.29	17.54
28 46 21 33-0596 EA Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS).....	1,161.73	17.54
28 46 21 33-0597 EA Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS)	4,170.84	17.54
28 46 21 33-0598 Remote Lobby Enclosure (28 46 21 33-0569)		
28 46 21 33-0599 EA 14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2).....	778.14	70.15
Note: Flush mounted. Includes clear lens plate on cover.		
28 46 21 33-0600 EA 24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4)	1,001.13	70.15
Note: Flush mounted. Includes clear lens plate on cover.		
28 46 21 33-0601 EA Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP)	124.85	17.54
Note: Required to mount up to four SIM-16 or OCM-16 modules.		
28 46 21 33-0602 EA Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP)	136.00	17.54
Note: Required to mount up to eight SIM-16 or OCM-16 modules.		
28 46 21 33-0603 Battery Enclosures (28 46 21 33-0569)		
28 46 21 33-0604 EA Enclosure For 100 Amp Hours Batteries (Siemens CAB-BATT).....	487.09	70.15
28 46 21 33-0605 Graphic Annunciator Output Drivers And Inputs (28 46 21 33-0569)		
28 46 21 33-0606 EA Output Control Module (Siemens OCM-16).....	381.87	17.54
28 46 21 33-0607 EA Supervised Input Module (Siemens SIM-16)	381.87	17.54
28 46 21 33-0608 Remote LCD Displays (28 46 21 33-0569)		
28 46 21 33-0609 EA Remote LED/LCD System Status Display (Siemens SSD).....	887.42	52.61
Note: No control or menu capability.		
28 46 21 33-0610 EA Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C).....	999.50	52.61
28 46 21 33-0611 Voice Equipment (28 46 21 33-0569)		
28 46 21 33-0612 EA 40W Zone Amplifier Card (Siemens ZAC-40).....	875.37	17.54
28 46 21 33-0613 EA 180W Zone Amplifier Module (Siemens ZAM-180).....	1,935.72	17.54
28 46 21 33-0614 EA Live Voice Module (Siemens LVM).....	817.27	17.54
Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.		
28 46 21 33-0615 MXL Series Equipment (28 46 21 33-0544)		
28 46 21 33-0616 MXL Optional Equipment (28 46 21 33-0615)		
28 46 21 33-0617 EA Two Circuit Analog Loop Driver (Siemens ALD-21).....	945.66	35.07
28 46 21 33-0618 EA CXL/MXL Interface Module (Siemens CMI-300).....	2,429.21	17.54
28 46 21 33-0619 EA Four Relay Programmable Relay Module (Siemens CRM-4)	420.01	17.54
28 46 21 33-0620 EA Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4).....	506.27	17.54
28 46 21 33-0621 EA Remote Conventional Zone Module (Siemens CZM-1B6).....	192.92	17.54
28 46 21 33-0622 EA Short Circuit Line Isolator Module (Siemens Model LIM-1).....	120.74	17.54
28 46 21 33-0623 EA Four Circuit Conventional Zone Module (Siemens CZM-4)	492.77	17.54
28 46 21 33-0624 EA 12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD).....	181.71	26.31
28 46 21 33-0625 EA Lexan Window For RCC (Siemens GENBOX-WD).....	122.52	14.03
28 46 21 33-0626 EA Input Driver Module (Siemens MID-16)	324.36	17.54
28 46 21 33-0627 EA Programmable Output Driver Module (Siemens MOD-16).....	324.36	17.54
28 46 21 33-0628 EA MXL Output/Input Module (Siemens MOI-7).....	516.83	17.54
28 46 21 33-0629 EA Two Slot Network Option Module Card Cage (Siemens MOM-2)	276.83	17.54
28 46 21 33-0630 EA Four Slot Network Option Module Card Cage (Siemens MOM-4)	433.51	17.54

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0631 EA 12 Amp, 220 VAC Power Supply For MXL (Siemens MPS-12/220)	1,068.16	52.61
28 46 21 33-0632 EA 12 Amp, 240 VAC Power Supply For MXL (Siemens MPS-12/240)	1,068.16	52.61
28 46 21 33-0633 EA Network Interface Module (Siemens NIM-1W).....	769.16	17.54
28 46 21 33-0634 EA U.L. Listed Parallel Printer (Siemens PAL-1)	2,018.05	70.15
28 46 21 33-0635 EA Peripheral Interface Module, Model PIM-1 (Siemens 500-691324)	228.13	17.54
28 46 21 33-0636 EA Surface Mounted Remote Command Center (Siemens RCC-1).....	2,265.27	350.73
28 46 21 33-0637 EA Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL)	277.29	35.07
28 46 21 33-0638 EA Flush Mounted Remote Command Center (Siemens RCC-1F)	2,265.27	350.73
28 46 21 33-0639 EA Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL).....	284.33	35.07
28 46 21 33-0640 EA Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2).....	1,757.69	350.73
28 46 21 33-0641 EA MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3).....	2,596.23	350.73
28 46 21 33-0642 EA RCC-2/RSE-1 Trim Ring (Siemens RCF-1)	43.95	8.76
28 46 21 33-0643 EA Remote Diagnostics Module For MXL (Siemens RDM-MXL)	3,121.51	35.07
28 46 21 33-0644 EA Remote Diagnostics Module For PC (Siemens RDM-PC)	6,640.55	35.07
28 46 21 33-0645 EA Releasing End Of Line Module (Siemens REL-EOL).....	99.03	17.54
28 46 21 33-0646 EA 36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC)	1,993.09	35.07
28 46 21 33-0647 EA 36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL).....	1,903.31	35.07
28 46 21 33-0648 EA 8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1).....	1,021.08	70.15
28 46 21 33-0649 Complete MXL And MXLV System Packages Without Enclosure (28 46 21 33-0615)		
28 46 21 33-0650 EA MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One MPS-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP)	7,416.44	350.73
Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.		
28 46 21 33-0651 EA MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP).....	9,615.76	350.73
Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.		
28 46 21 33-0652 EA MXLV Demonstration Panel (Siemens MXLV DEMO)	19,887.11	350.73
28 46 21 33-0653 MXL Basic System (28 46 21 33-0615)		
28 46 21 33-0654 EA MXL/MXLV Main Control Board (Siemens MMB-3)	4,649.09	350.73
28 46 21 33-0655 EA MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL)	5,962.93	350.73
Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.		
28 46 21 33-0656 EA MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2).....	1,682.09	35.07
28 46 21 33-0657 EA MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5).....	2,105.76	35.07
28 46 21 33-0658 EA 6 Amp Power Supply For MXL (Siemens MPS-6).....	738.96	52.61
28 46 21 33-0659 EA 220/240 VAC Adapter Cable (Siemens CIA-12)	55.68	8.76
28 46 21 33-0660 MXL/MXLR System Expansion Accessories (28 46 21 33-0615)		
28 46 21 33-0661 EA MXL Remote Power Supply Module (Siemens PSR-1)	905.03	52.61
28 46 21 33-0662 EA Style 4 Communication Module (Siemens NET-4).....	187.05	17.54
28 46 21 33-0663 EA Style 7 Communication Module (Siemens NET-7).....	337.86	17.54
28 46 21 33-0664 EA MXL/MXL-IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6).....	204.07	17.54
28 46 21 33-0665 Peripheral Devices (28 46 21 33-0544)		
28 46 21 33-0666 Thermal Detectors (28 46 21 33-0665)		
28 46 21 33-0667 EA Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R).....	81.36	26.31
28 46 21 33-0668 EA Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R).....	81.36	26.31
28 46 21 33-0669 EA 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F).....	81.36	26.31
28 46 21 33-0670 EA 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F).....	81.36	26.31
28 46 21 33-0671 EA Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP).....	125.37	26.31
28 46 21 33-0672 EA Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP).....	125.37	26.31
28 46 21 33-0673 EA Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP).....	303.17	26.31
28 46 21 33-0674 Beam Smoke Detector (28 46 21 33-0665)		
28 46 21 33-0675 EA Linear Beam Smoke Detector (Siemens PBA-1191)	1,421.47	26.31
28 46 21 33-0676 EA Base For Linear Beam Smoke Detector (Siemens PBB-1191).....	163.07	8.76
28 46 21 33-0677 EA 20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192)	164.83	8.76
28 46 21 33-0678 EA 10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193)	85.02	8.76
28 46 21 33-0679 Bases For Detectors (28 46 21 33-0665)		
28 46 21 33-0680 EA Detector Base (Siemens DB-11).....	26.34	8.76
28 46 21 33-0681 EA Universal Base (Siemens DB-3S)	24.58	8.76
28 46 21 33-0682 Manual Stations (28 46 21 33-0665)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0683 EA Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP).....	182.34	21.05
28 46 21 33-0684 Addressable Devices (28 46 21 33-0544)		
28 46 21 33-0685 Intelligent Detectors And Devices For Firefinder XLS And FS-250 (28 46 21 33-0684)		
28 46 21 33-0686 EA Addressable Fireprint Fire Detector (Siemens HFP-11)	153.54	26.31
28 46 21 33-0687 EA Addressable Thermal Fire Detector (Siemens HFPT-11)	133.00	26.31
28 46 21 33-0688 EA Relay Base For H-Series Intelligent Detectors (Siemens DB-HR)	108.94	26.31
28 46 21 33-0689 EA Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC)	74.32	26.31
28 46 21 33-0690 EA Wall Mounted Remote Alarm Indicator (Siemens RL-HW)	74.32	26.31
28 46 21 33-0691 EA Addressable Single Action Manual Pull Station (Siemens HMS-S)	158.88	17.54
28 46 21 33-0692 EA Addressable Double Action Manual Pull Station (Siemens HMS-D)	151.84	17.54
28 46 21 33-0693 EA Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S).....	120.74	17.54
28 46 21 33-0694 EA Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D)	147.15	17.54
28 46 21 33-0695 EA Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R)	147.15	17.54
28 46 21 33-0696 EA Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M).....	111.94	17.54
28 46 21 33-0697 EA Line Isolator Module (Siemens HLIM).....	115.46	17.54
28 46 21 33-0698 EA Remote Convention Zone Module (Siemens HZM)	169.45	17.54
28 46 21 33-0699 EA Intelligent Control Point Module (Siemens HCP)	214.04	17.54
28 46 21 33-0700 EA Handheld Programming And Testing Unit (Siemens DPU).....	932.95	
28 46 21 33-0701 EA DPU Carrying Case (Siemens DPU-C1).....	144.31	
28 46 21 33-0702 EA Label Printer And Carrying Case (Siemens DPU-PRT)	1,598.31	17.54
28 46 21 33-0703 Air Duct Housings And Detectors (28 46 21 33-0684)		
28 46 21 33-0704 EA Air-Duct Housing (Siemens AD2-P).....	172.99	14.03
28 46 21 33-0705 EA Air-Duct Housing With Relay (Siemens AD2-XHR)	195.29	14.03
28 46 21 33-0706 EA Weatherproof Enclosure For Duct Housing (Siemens WP-2000)	157.71	17.54
28 46 21 33-0707 EA 6" To 1' Duct Sampling Tube (Siemens ST-10)	22.26	5.26
28 46 21 33-0708 EA >1' To 3' Duct Sampling Tube (Siemens ST-25).....	27.53	7.02
28 46 21 33-0709 EA >3' To 5' Duct Sampling Tube (Siemens ST-50).....	34.56	8.76
28 46 21 33-0710 EA >5' To 10' Duct Sampling Tube (Siemens ST-100).....	40.41	10.52
28 46 21 33-0711 Intelligent Initiating Devices For MXL, MXL-LQ And MXLV (28 46 21 33-0684)		
28 46 21 33-0712 EA Addressable Fireprint Fire Detector (Siemens FP-11)	159.99	26.31
28 46 21 33-0713 EA Addressable Thermal Fire Detector (Siemens FPT-11)	138.28	26.31
28 46 21 33-0714 EA Intelligent Ionization Smoke Detector (Siemens ILI-1)	176.42	26.31
28 46 21 33-0715 EA Addressable Single Action Manual Pull Station (Siemens MSI-10B)	154.78	17.54
28 46 21 33-0716 EA Addressable Double Action Manual Pull Station (Siemens MSI-20B).....	170.62	17.54
28 46 21 33-0717 EA Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S)	156.54	17.54
28 46 21 33-0718 EA Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D).....	172.97	17.54
28 46 21 33-0719 EA Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R).....	172.97	17.54
28 46 21 33-0720 Detector Universal Bases (28 46 21 33-0684)		
28 46 21 33-0721 EA Detector Base With Relay (Siemens DB-X11RS)	73.29	8.76
28 46 21 33-0722 EA PE-11 To DB-3 Base Adapter (Siemens DB-ADPT).....	38.08	8.76
28 46 21 33-0723 EA Locking Kit (Siemens LK-11)	7.49	
28 46 21 33-0724 EA Detector Base With Relay (Siemens DB-X3RS)	73.29	8.76
28 46 21 33-0725 EA Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11)	85.02	8.76
28 46 21 33-0726 EA Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX)	36.32	8.76
28 46 21 33-0727 EA Flush Trim Ring For Bases (Siemens RA-ADB)	17.56	5.26
28 46 21 33-0728 EA Seal For DB-11 (Siemens DB11-SEAL)	8.90	
28 46 21 33-0729 EA Gasket For DB-11 (Siemens DB-SEAL)	9.68	
28 46 21 33-0730 EA Detector Guard Housing (Siemens DGH-11).....	106.73	8.76
28 46 21 33-0731 EA Small Detector Base (Siemens DB-11E)	28.69	8.76
28 46 21 33-0732 EA Audible Base For Series 3 (Siemens ADBI-60A).....	95.58	8.76
28 46 21 33-0733 EA Base Plug (Siemens DB-11-DP).....	7.47	
28 46 21 33-0734 Air Duct Smoke Detectors (28 46 21 33-0684)		
28 46 21 33-0735 EA Intelligent Remote Duct Relay Module (Siemens DA-X3SR).....	82.60	17.54
28 46 21 33-0736 EA Weatherproof Enclosure For Duct Housing (Siemens EAD-3).....	414.73	17.54
28 46 21 33-0737 Notification Devices (28 46 21 33-0544)		
28 46 21 33-0738 Synchronization Control Devices (28 46 21 33-0737)		
28 46 21 33-0739 EA Dual Synchronization Control Module (Siemens DSC).....	120.74	17.54
28 46 21 33-0740 Stand Alone Strobes (28 46 21 33-0737)		
28 46 21 33-0741 EA Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R).....	102.49	26.31
28 46 21 33-0742 EA Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R).....	111.29	26.31
28 46 21 33-0743 EA Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR)	102.49	26.31
28 46 21 33-0744 EA Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR)	111.29	26.31
28 46 21 33-0745 EA Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW).....	111.29	26.31
28 46 21 33-0746 EA Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW).....	102.49	26.31

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0747	EA		Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R).....	117.74	26.31
28 46 21 33-0748	EA		Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP).....	113.05	26.31
28 46 21 33-0749	EA		Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP).....	113.05	26.31
28 46 21 33-0750	EA		Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP).....	120.68	26.31
28 46 21 33-0751	EA		Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP).....	120.68	26.31
28 46 21 33-0752			Horns And Strobes (28 46 21 33-0737)		
28 46 21 33-0753	EA		Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R).....	137.11	26.31
28 46 21 33-0754	EA		Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R).....	144.74	26.31
28 46 21 33-0755	EA		Wall Mounted Horn (Siemens SE-R).....	81.36	26.31
28 46 21 33-0756	EA		Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR).....	137.11	26.31
28 46 21 33-0757	EA		Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR).....	144.74	26.31
28 46 21 33-0758	EA		Ceiling Mounted Horn (Siemens SEC-R).....	84.88	26.31
28 46 21 33-0759	EA		Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R).....	137.11	26.31
28 46 21 33-0760	EA		Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R).....	144.74	26.31
28 46 21 33-0761	EA		Wall Mounted Low Profile Horn (Siemens SEF-R).....	81.36	26.31
28 46 21 33-0762	EA		Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW).....	137.11	26.31
28 46 21 33-0763	EA		Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW).....	144.74	26.31
28 46 21 33-0764	EA		Ceiling Mounted Low Profile Horn (Siemens SEF-CR).....	84.88	26.31
28 46 21 33-0765	EA		Mini Horn (Siemens MH-R).....	68.45	26.31
28 46 21 33-0766	EA		Indoor/Outdoor Multi Tone Horn (Siemens MTH-R).....	86.06	26.31
28 46 21 33-0767	EA		Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R).....	129.48	26.31
28 46 21 33-0768	EA		Industrial Tri-Tone Horn (Siemens ASR).....	360.68	26.31
28 46 21 33-0769	EA		Wall Mounted Horn (Siemens HS-R).....	86.06	26.31
28 46 21 33-0770	EA		Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R).....	130.07	26.31
28 46 21 33-0771	EA		Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R).....	139.46	26.31
28 46 21 33-0772	EA		6" Motor Bell (Siemens MBDC-6).....	97.79	26.31
28 46 21 33-0773	EA		10" Motor Bell (Siemens MBDC-10).....	106.60	26.31
28 46 21 33-0774			Mounting Accessories (28 46 21 33-0737)		
28 46 21 33-0775	EA		Concealed Conduit Adapter Plate (Siemens APS-R).....	24.58	8.76
28 46 21 33-0776	EA		4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R).....	24.58	8.76
28 46 21 33-0777	EA		4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R).....	25.17	8.76
28 46 21 33-0778	EA		Red Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX).....	39.25	8.76
28 46 21 33-0779	EA		White Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX-W).....	31.62	8.76
28 46 21 33-0780	EA		Surface Mounted Speaker Backbox (Siemens SBBS-R).....	33.38	8.76
28 46 21 33-0781	EA		Surface Mounted Speaker Backbox (Siemens SBL2S-R).....	35.73	8.76
28 46 21 33-0782	EA		Square Semi-Flush Extension Ring (Siemens SERS-R).....	28.69	8.76
28 46 21 33-0783	EA		Semi-Flush Plate (Siemens SFPS-R).....	23.99	8.76
28 46 21 33-0784	EA		Square Surface Backbox (Siemens SHBBS-R).....	28.69	8.76
28 46 21 33-0785	EA		Horn Adapter Plate (Siemens SHMPS-R).....	27.52	8.76
28 46 21 33-0786	EA		Ceiling Speaker Extension Ring (Siemens SPEXT-R).....	24.58	8.76
28 46 21 33-0787	EA		Wall Mounted Surface Mounted Speaker Backbox (Siemens SPSB-R).....	31.62	8.76
28 46 21 33-0788	EA		Wall Mounted Surface Mounted Speaker/Strobe Backbox (Siemens SPSSB-R).....	33.38	8.76
28 46 21 33-0789	EA		Weatherproof Speaker Backbox (Siemens WBBS-R).....	32.21	8.76
28 46 21 33-0790	EA		Weatherproof Speaker Backbox With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B).....	35.73	8.76
28 46 21 33-0791	EA		Weatherproof Flush Plate (Siemens WFPAS-R).....	35.73	8.76
28 46 21 33-0792	EA		Weatherproof Horn Flush Plate (Siemens WFPS-R).....	35.73	8.76
28 46 21 33-0793	EA		Weatherproof Horn Backbox (Siemens WPBBS-R).....	33.38	8.76
28 46 21 33-0794	EA		Weatherproof Strobe Backbox (Siemens WPSBBS-R).....	33.38	8.76
28 46 21 33-0795	EA		Surface Mounted Weatherproof Backbox Kit (Siemens WPS-KIT).....	24.58	8.76
28 46 21 33-0796	EA		Z Series Backbox (Siemens ZBB-R).....	27.52	8.76
28 46 21 33-0797			Door Holders (28 46 21 33-0737)		
28 46 21 33-0798	EA		120 VAC Concealed Wiring Fire Door Holder (Siemens SDH-2A).....	204.00	26.31
28 46 21 33-0799	EA		24 VDC Concealed Wiring Fire Door Holder (Siemens SDH-2D).....	204.00	26.31
28 46 21 33-0800			Voice Equipment (28 46 21 33-0544)		
28 46 21 33-0801			Voicecom (28 46 21 33-0800)		
28 46 21 33-0802	EA		Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM).....	3,116.13	350.73
28 46 21 33-0803	EA		Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L).....	4,905.87	350.73
28 46 21 33-0804			Johnson Controls Fire Alarm (28 46 21 33)		
28 46 21 33-0805	EA		Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J).....	121.03	26.31
28 46 21 33-0806	EA		Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J).....	119.75	26.31
28 46 21 33-0807	EA		Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ).....	148.89	26.31
28 46 21 33-0808	EA		Acclimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ).....	148.49	26.31
28 46 21 33-0809	EA		411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD).....	404.68	35.07
28 46 21 33-0810	EA		Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ).....	114.53	26.31
28 46 21 33-0811	EA		Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J).....	102.47	26.31



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0812	EA	Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ).....	99.91	26.31
28 46 21 33-0813	EA	Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J)	296.45	26.31
28 46 21 33-0814	EA	100 Watt Audio Amplifier @ 70.7 VRMS With Built-in Tone Generator, 120 VAC. (Johnson Controls, Inc. #AA-100)	1,434.59	52.61
28 46 21 33-0815	EA	AUDIO Amplifier, 100 Watt, 230 VAC (Johnson Controls, Inc. #AA-100E).....	1,390.13	52.61
28 46 21 33-0816	EA	120 Watt Audio Amplifier @ 25 VRMS With Built-in Tone Generator, 120 VAC (Johnson Controls, Inc. #AA-120)	1,414.12	52.61
28 46 21 33-0817	EA	AUDIO Amplifier, 120 Watt, 230 VAC (Johnson Controls, Inc. #AA-120E).....	1,354.24	52.61
28 46 21 33-0818	EA	30 Watt Audio Amplifier @ 25 VRMS, 120 VAC (Johnson Controls, Inc. #AA-30)	662.44	52.61
28 46 21 33-0819	EA	AUDIO Amplifier, 30 Watt, 230 VAC (Johnson Controls, Inc. #AA-30E).....	662.44	52.61
28 46 21 33-0820	EA	Annunciator Control Module With; 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT).....	659.58	17.54
28 46 21 33-0821	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's. (Johnson Controls, Inc. #ACM-24AT).....	685.98	17.54
28 46 21 33-0822	EA	Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A)	504.35	17.54
28 46 21 33-0823	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A. (Johnson Controls, Inc. #ACM-48A)	504.35	17.54
28 46 21 33-0824	EA	Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R)	356.31	17.54
28 46 21 33-0825	EA	Charger Power Supply - 6 Or 10 Amps; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610)	1,146.89	35.07
28 46 21 33-0826	EA	Annunciator Expander Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT).....	504.35	17.54
28 46 21 33-0827	EA	Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT).....	524.19	17.54
28 46 21 33-0828	EA	Annunciator Expander Module With: 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A)	452.30	17.54
28 46 21 33-0829	EA	Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A)	452.30	17.54
28 46 21 33-0830	EA	Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #AFAWS-BX)	77.32	15.78
28 46 21 33-0831	EA	Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM).....	692.87	35.07
28 46 21 33-0832	EA	Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS).....	1,505.80	35.07
28 46 21 33-0833	EA	Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM).....	692.87	35.07
28 46 21 33-0834	EA	Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS).....	1,505.80	35.07
28 46 21 33-0835	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP).....	28.30	8.76
28 46 21 33-0836	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224B).....	74.62	8.76
28 46 21 33-0837	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB)	70.43	8.76
28 46 21 33-0838	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401)	30.09	8.76
28 46 21 33-0839	EA	Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J).....	27.12	8.76
28 46 21 33-0840	EA	Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100).....	506.27	35.07
28 46 21 33-0841	EA	Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224)	1,181.96	52.61
28 46 21 33-0842	EA	Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S)	1,249.26	52.61
28 46 21 33-0843	EA	Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK)	138.68	8.76
28 46 21 33-0844	EA	Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK).....	93.82	8.76
28 46 21 33-0845	EA	Digital Audio Amplifier, 50 Watt, 25 VRMS (Johnson Controls, Inc. #DAA-5025).....	1,182.95	52.61
28 46 21 33-0846	EA	Digital Audio Amplifier, 50 Watt, 25 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5025F).....	1,092.23	52.61
28 46 21 33-0847	EA	Digital Audio Amplifier, 50 Watt, 25 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5025SF).....	1,092.23	52.61
28 46 21 33-0848	EA	Digital Audio Amplifier, 50 Watt, 70 VRMS (Johnson Controls, Inc. #DAA-5070).....	1,280.94	52.61
28 46 21 33-0849	EA	Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E).....	1,181.96	52.61
28 46 21 33-0850	EA	Digital Audio Amplifier, 50 Watt, 70 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5070F).....	1,181.96	52.61
28 46 21 33-0851	EA	Digital Audio Amplifier, 50 Watt, 70 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5070SF).....	1,181.96	52.61
28 46 21 33-0852	EA	Digital Audio Amplifier, 75 Watt, 25 VRMS (Johnson Controls, Inc. #DAA-7525).....	1,412.69	52.61
28 46 21 33-0853	EA	Digital Audio Amplifier, 75 Watt, 25 VRMS, Multi Fiber (Johnson Controls, Inc. #DAA-7525F).....	1,412.69	52.61
28 46 21 33-0854	EA	Digital Audio Amplifier, 75 Watt, 25 VRMS, Single Fiber (Johnson Controls, Inc. #DAA-7525SF)	1,412.69	52.61
28 46 21 33-0855	EA	Innovairflex Intelligent. (Johnson Controls, Inc. #DNR)	148.19	17.54
28 46 21 33-0856	EA	Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW).....	226.65	17.54
28 46 21 33-0857	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1).....	21.18	7.02
28 46 21 33-0858	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1.5)	23.03	7.02
28 46 21 33-0859	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST10)	55.56	10.52
28 46 21 33-0860	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST3).....	27.16	7.02
28 46 21 33-0861	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST5).....	33.55	8.76
28 46 21 33-0862	EA	Digital Voice Command, Analog Output. (Johnson Controls, Inc. #DVC-AO).....	227.98	17.54
28 46 21 33-0863	EA	Digital Voice Command, Keypad. (Johnson Controls, Inc. #DVC-KD).....	379.72	35.07
28 46 21 33-0864	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; B Size, Black. (Johnson Controls, Inc. #EQBB-B4).....	318.02	52.61
28 46 21 33-0865	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; C Size, Black. (Johnson Controls, Inc. #EQBB-C4)	438.85	52.61
28 46 21 33-0866	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; D Size, Black. (Johnson Controls, Inc. #EQBB-D4)	479.23	52.61
28 46 21 33-0867	EA	Equipment Cabinet Door; B Size Black. (Johnson Controls, Inc. #EQDR-B4).....	251.18	7.02
28 46 21 33-0868	EA	Equipment Cabinet Door; C Size Black. (Johnson Controls, Inc. #EQDR-C4)	378.31	7.02
28 46 21 33-0869	EA	Equipment Cabinet Door; D Size Black. (Johnson Controls, Inc. #EQDR-D4)	415.71	7.02
28 46 21 33-0870	EA	6.0 Amps, 120 VAC Remote Charger Power Supply. Includes Main Printed Circuit Board, Transformers And Installation Instructions (Johnson Controls, Inc. #FCPS-24S6).....	661.43	70.15

28 Electronic Safety And Security

28 40 Life Safety

28 46 Fire Detection And Alarm



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0871 EA 8.0 Amps, 120 VAC Remote Charger Power Supply. Includes Main Printed Circuit Board, Transformers And Installation Instructions (Johnson Controls, Inc. #FCPS-24S8).....	665.79	70.15
28 46 21 33-0872 EA 80 Character Display Annunciator. "Security Keypad" Mechanical Design. For Use With The IFC-320, JCPU2-640, JCPU-640 And IFC-400/300 (Rev 3.62+) Only. (Johnson Controls, Inc. #FDU-80G).....	630.14	52.61
28 46 21 33-0873 EA Fireman's Telephone Hand Set. (Johnson Controls, Inc. #FHS).....	116.25	8.76
28 46 21 33-0874 EA Fire Phone Storage Cabinet, Recessed, Holds 6 Phones. (Johnson Controls, Inc. #FHSC-R).....	328.48	17.54
28 46 21 33-0875 EA Door Holder, Magnetic, Floor. (Johnson Controls, Inc. #FM980).....	175.46	26.31
28 46 21 33-0876 EA Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM996).....	143.64	26.31
28 46 21 33-0877 EA Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM998).....	150.88	26.31
28 46 21 33-0878 EA Addressable Beam Detector. (Johnson Controls, Inc. #FSB-200).....	1,202.23	35.07
28 46 21 33-0879 EA Addressable Beam Detector With Remote Test Feature. (Johnson Controls, Inc. #FSB-200S).....	1,467.79	35.07
28 46 21 33-0880 EA Intelligent Addressable HARSH (Hostile Area Smoke Head) Detector; Photo, Requires B501B-FTXJ Base. (Johnson Controls, Inc. #FTX-P2J).....	444.17	17.54
28 46 21 33-0881 EA IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amp Power Supply, 120 VAC, Includes Door, Dress Panel And Back Box, Black (Johnson Controls, Inc. #IFC-320).....	3,039.72	280.58
28 46 21 33-0882 EA Upgrade Kit, ORG BLD, 640. (Johnson Controls, Inc. #IFC-640UG).....	1,480.68	35.07
28 46 21 33-0883 EA Workstation Only Workstation GUI Software And Hardware Package. (Johnson Controls, Inc. #IFI).....	19,629.14	420.87
28 46 21 33-0884 EA Workstation With NFN Fiber PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-F) Fiber Version. (Johnson Controls, Inc. #IFI-F).....	21,423.70	420.87
28 46 21 33-0885 EA Workstation With Echelon Wire PC Card Workstation GUI Software And Hardware Package For Building Systems Integration, WSSUP Workstation Supervisor. Includes Echelon® Gateway (ECH-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-IP).....	24,115.55	420.87
28 46 21 33-0886 EA Workstation With NFN Wire PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-W).....	21,423.70	420.87
28 46 21 33-0887 EA Annunciator Flush Box. Mounts One Annunciator Module. (Johnson Controls, Inc. #JABF-1B).....	144.88	10.52
28 46 21 33-0888 EA Annunciator Flush Box. One Module. Attractive Glass Door And Key Lock. (Johnson Controls, Inc. #JABF-1DB).....	162.82	10.52
28 46 21 33-0889 EA Annunciator Flush Box. Mounts Two Annunciator Modules. (Johnson Controls, Inc. #JABF-2B).....	177.18	10.52
28 46 21 33-0890 EA Annunciator Flush Box. Mounts Four Annunciator Modules. (Johnson Controls, Inc. #JABF-4B).....	329.72	10.52
28 46 21 33-0891 EA Annunciator Surface Box. Deep With Trim Cover. (Johnson Controls, Inc. #JABS-1TB).....	107.34	7.02
28 46 21 33-0892 EA Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Black. (Johnson Controls, Inc. #JABS-2D).....	168.25	15.78
28 46 21 33-0893 EA Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Red. (Johnson Controls, Inc. #JABS-2DR).....	178.54	15.78
28 46 21 33-0894 EA Surface (or Semi-flush) Mount INA, ACS, Or SCS Backbox, Black. (Johnson Controls, Inc. #JABS-4D).....	325.86	15.78
28 46 21 33-0895 EA Audio Command Door For CAB-B4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-B4).....	323.60	7.02
28 46 21 33-0896 EA Audio Command Door For CAB-C4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-C4).....	435.76	7.02
28 46 21 33-0897 EA Audio Command Door For CAB-D4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-D4).....	538.95	7.02
28 46 21 33-0898 EA Addressable Pull Station; With FlashScan. (Johnson Controls, Inc. #JBG-12LX).....	154.11	17.54
28 46 21 33-0899 EA Battery Dress Panel For CAB-4 Series; For Use With The JCPU2-3030, JCPU2-640, JNCA-2, And DVC Systems. (Johnson Controls, Inc. #JBP2-4).....	71.74	7.02
28 46 21 33-0900 EA JCPU2-3030 CPU With 640-character Display; Required For Single Panel (One CPU2-3030) Systems. Includes: CPU, 640-Character Backlit LCD Display, QWERTY Programming And Control Keypad, Installation, Programming And Operating Manuals. Supports One To 10 Signaling Line Circuits (Up To Five LCM-320 And Five LEM-320). Order One Per System Or As Necessary (Up To 103 Network Nodes) For A Networked System. Requires Top Row Of A Cabinet. (Johnson Controls, Inc. #JCPU2-3030D).....	3,032.93	280.58
28 46 21 33-0901 EA Central Processing Unit For The JCPU2-640 With Integral 120 VAC Power Supply, Includes CHS2-M2 Chassis (Johnson Controls, Inc. #JCPU2-640).....	2,190.85	210.44
28 46 21 33-0902 EA Main Board, CPU, IFC3030, DI. (Johnson Controls, Inc. #JCPU-3030D).....	3,923.76	280.58
28 46 21 33-0903 EA Main Board, CPU, IFC640. (Johnson Controls, Inc. #JCPU-640).....	3,758.83	210.44
28 46 21 33-0904 EA Main Board, CPU, IFC640, EUR. (Johnson Controls, Inc. #JCPU-640E).....	2,718.17	210.44
28 46 21 33-0905 EA Digital Voice Command, Extended Memory. (Johnson Controls, Inc. #JDVC-EM).....	1,473.28	26.31
28 46 21 33-0906 EA Digital Voice Command, Extended Memory, Multi-Fiber. (Johnson Controls, Inc. #JDVC-EMF).....	1,488.26	26.31
28 46 21 33-0907 EA Digital Voice Command, Extended Memory, Single-Fiber. (Johnson Controls, Inc. #JDVC-EMSF).....	1,488.26	26.31
28 46 21 33-0908 EA Annunciator, Network Control. (Johnson Controls, Inc. #JNCA).....	1,761.99	35.07
28 46 21 33-0909 EA Network Control Annunciator-2, 640-characters; On Single Panel (one JCPU2-640) JCPU2-640 Systems, The JNCA-2 Can Be The Primary Display For The Panel And Connects Directly To The JCPU2-640. On Network Systems (Two Or More JCPU2-640's), One Network Display (Either JNCA-2 Or IFW) Is Required For Every System And Each JNCA-2 Connects To And Requires An NCM Network Control Module. Mounts In A Row Of FACP Node Or In Two Annunciator Module Positions. Mounting Options Include: NCA/640-2-Kit (directly Mounting To The CHS2-M2), CA-2, ADP-4B, Or In An Annunciator Box, Such As The ABS-2DB (requires The CHS-2D). (Johnson Controls, Inc. #JNCA-2).....	1,494.13	35.07
28 46 21 33-0910 EA Mass Notification Voice Paging; Requires JNOTIFY-PAA Hardware Package (Sold Separately). (Johnson Controls, Inc. #JNOTIFY-IP).....	1,318.16	210.44
28 46 21 33-0911 EA 160 Character Display Annunciator; For Use With JCPU-3030 And JCPU2-3030. (Johnson Controls, Inc. #LCD-160).....	1,063.10	35.07
28 46 21 33-0912 EA 80 Character LCD Annunciator. Mounts In ABS-1T, ABF-1D, ABF-2D, Or Flush Back Box. (Johnson Controls, Inc. #LCD-80).....	875.53	35.07
28 46 21 33-0913 EA Loop Control Module. Each LCM May Be Expanded To Two Loops By Adding A LEM-320. IFC2- 3030 And IFC-3030 Only. (Johnson Controls, Inc. #LCM-320).....	1,405.65	35.07
28 46 21 33-0914 EA Lamp Driver Annunciator Control Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-32).....	434.77	8.76
28 46 21 33-0915 EA Cable 24": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL24).....	140.54	7.02
28 46 21 33-0916 EA Cable 48": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL48).....	172.84	7.02
28 46 21 33-0917 EA Lamp Driver Annunciator Expander Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-E32).....	350.44	8.76
28 46 21 33-0918 EA Relay Module. 32 Form-A Contacts. Connects To LDM-32 Or LDM-E32. (Johnson Controls, Inc. #LDM-R32).....	642.05	8.76
28 46 21 33-0919 EA Loop Expander Module. Mounts As Daughter Board To LCM-320 To Provide Even Numbered SLC Loops. (Johnson Controls, Inc. #LEM-320).....	1,162.27	8.76
28 46 21 33-0920 EA Addressable Control Module With FlashScan; Configured For One Class A Or Class B NAC. (Johnson Controls, Inc. #M300CJ).....	92.36	8.76
28 46 21 33-0921 EA Addressable Dual Monitor Module; With FlashScan, Two Class B Circuits. (Johnson Controls, Inc. #M300DJ).....	146.38	8.76
28 46 21 33-0922 EA Addressable Monitor Module; With FlashScan; Supervises Either A Class A Or Class B Circuit Of N.D. Dry-contact Input Devices. (Johnson Controls, Inc. #M300MJ).....	72.79	8.76



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0923	EA			Addressable Relay Module With FlashScan; Provides Two Form-C Dry Contacts That Switch Together. (Johnson Controls, Inc. #M300RJ).....	101.61	8.76
28 46 21 33-0924	EA			Addressable Mini Module With FlashScan; Supervises A Class B Circuit Of N.D. Dry-contact Devices. (Johnson Controls, Inc. #M301MJ).....	80.36	8.76
28 46 21 33-0925	EA			Addressable 2-Wire Detector Monitor Module; With FlashScan. (Johnson Controls, Inc. #M302MJ).....	130.20	8.76
28 46 21 33-0926	EA			Addressable Firephone Control Module With Flashscan. (Johnson Controls, Inc. #M500FPJ).....	148.29	8.76
28 46 21 33-0927	EA			SLC Loop Isolator Module; Isolates Against Short Circuits On The SLC. (Johnson Controls, Inc. #M500XJ).....	84.21	8.76
28 46 21 33-0928	EA			Network INTFC, P2P, Wire. (Johnson Controls, Inc. #MIB-W).....	1,229.84	26.31
28 46 21 33-0929	EA			Network Adapter, Fiber. (Johnson Controls, Inc. #NAM-232F).....	1,092.96	17.54
28 46 21 33-0930	EA			Network Adapter, Wire. (Johnson Controls, Inc. #NAM-232W).....	1,010.41	17.54
28 46 21 33-0931	EA			Plate, Retrofit, NCA-2. (Johnson Controls, Inc. #NCA-2RETRO).....	38.42	3.51
28 46 21 33-0932	EA			Network Control Module - Multi Mode Fiber; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-F).....	884.27	17.54
28 46 21 33-0933	EA			Network Control Module - Wire; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-W).....	842.15	17.54
28 46 21 33-0934	EA			NFV-25/50. (Johnson Controls, Inc. #NFV-25/50).....	2,148.57	35.07
28 46 21 33-0935	EA			NU-RPT101-1U RS485. (Johnson Controls, Inc. #NU-RPT101-1U).....	598.04	17.54
28 46 21 33-0936	EA			Key Switch, Remote Control. (Johnson Controls, Inc. #RKS-S).....	163.87	7.02
28 46 21 33-0937	EA			Microphone Assembly For Mounting To An ADP-4 Dress Panel. (Johnson Controls, Inc. #RM-1).....	378.74	17.54
28 46 21 33-0938	EA			Microphone Assembly For Mounting In An CAB-RM Cabinet. (Johnson Controls, Inc. #RM-1SA).....	378.74	17.54
28 46 21 33-0939	EA			Remote Page Jack. Allows Remote All-Call Paging. (Johnson Controls, Inc. #RPJ-1).....	101.97	7.02
28 46 21 33-0940	EA			SA-WBB, Weatherproof. (Johnson Controls, Inc. #SA-WBB).....	27.31	3.51
28 46 21 33-0941	EA			SA-WBBC, Weatherproof. (Johnson Controls, Inc. #SA-WBBC).....	27.31	3.51
28 46 21 33-0942	EA			Strobe, Standard, 12/24 VDC, Red (Johnson Controls, Inc. #SCR).....	106.46	26.31
28 46 21 33-0943	EA			Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SCRH).....	119.01	26.31
28 46 21 33-0944	EA			Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SCRHK).....	140.39	29.81
28 46 21 33-0945	EA			Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SCRK).....	138.59	29.81
28 46 21 33-0946	EA			Smoke Control Master; Includes Eight On/off/auto Switches. Supports One SCE-8. Includes Manual, Slide-in Labels. Mounts In ADP-4 Or ABS-4D. (Johnson Controls, Inc. #SCS-8).....	911.06	70.15
28 46 21 33-0947	EA			Smoke Control Lamp Driver. Outputs For 8 On/off/auto Switches With LED's. Intended For Custom Built Smoke Control Stations. Support One SCE-8L. (Johnson Controls, Inc. #SCS-8L).....	713.65	70.15
28 46 21 33-0948	EA			Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SCW).....	106.46	26.31
28 46 21 33-0949	EA			Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SCWH).....	119.01	26.31
28 46 21 33-0950	EA			Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SCW-P).....	106.46	26.31
28 46 21 33-0951	EA			Mounting Kit, M300/M500. (Johnson Controls, Inc. #SMB500).....	19.73	7.02
28 46 21 33-0952	EA			SMK-MOV Kit-LON. (Johnson Controls, Inc. #SMK-MOVKit-LON).....	21.42	3.51
28 46 21 33-0953	EA			SMK-MOV Kit-MSTP. (Johnson Controls, Inc. #SMK-MOVKit-MSTP).....	24.30	3.51
28 46 21 33-0954	EA			SPBBS, Wall, Back Box. (Johnson Controls, Inc. #SPBBS).....	21.44	3.51
28 46 21 33-0955	EA			Strobe, Standard, 12/24 VDC, Red (Johnson Controls, Inc. #SR).....	97.80	26.31
28 46 21 33-0956	EA			Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SRH).....	119.01	26.31
28 46 21 33-0957	EA			Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SRHK).....	140.39	29.81
28 46 21 33-0958	EA			Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SRH-P).....	119.01	26.31
28 46 21 33-0959	EA			Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SRK).....	138.59	29.81
28 46 21 33-0960	EA			Strobe, Standard, 12/24 VDC, Red (Johnson Controls, Inc. #SR-P).....	106.46	26.31
28 46 21 33-0961	EA			Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SW).....	106.46	26.31
28 46 21 33-0962	EA			Strobe, HI, 12/24 VDC, White (Johnson Controls, Inc. #SWH).....	119.01	26.31
28 46 21 33-0963	EA			Strobe, HI, 12/24 VDC, White (Johnson Controls, Inc. #SWH-P).....	119.01	26.31
28 46 21 33-0964	EA			Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SW-P).....	106.46	26.31
28 46 21 33-0965	EA			Firefighter's Telephone Handset Only. (Johnson Controls, Inc. #TELH-1).....	142.26	8.76
28 46 21 33-0966	EA			Universal Digital Alarm Communicator Transmitter. (Johnson Controls, Inc. #UDACT).....	627.13	35.07
28 46 21 33-0967	EA			Speaker Strobe, Ceiling, White, 2 W (MAX), Dual Voltage, Multi (Johnson Controls, Inc. #SPSCW).....	157.10	35.07
28 46 21 33-0968	EA			Speaker, White, Ceiling Mount. (Johnson Controls, Inc. #SPCW).....	67.63	17.54
28 46 21 33-0969	EA			Speaker, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPCWV).....	67.63	17.54
28 46 21 33-0970	EA			Speaker Strobe, Red, Ceiling Mount, Standard Candela. (Johnson Controls, Inc. #SPSCR).....	122.02	17.54
28 46 21 33-0971	EA			Speaker Strobe, Red, Ceiling Mount, High Candela. (Johnson Controls, Inc. #SPSCRH).....	132.42	17.54
28 46 21 33-0972	EA			Speaker Strobe, Red, Ceiling Mount, High Candela, High Db. (Johnson Controls, Inc. #SPSCRHV).....	132.42	17.54
28 46 21 33-0973	EA			Speaker Strobe, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPSCWV).....	117.89	17.54
28 46 21 33-0974	EA			Speaker Strobe Wall, WP, White, 2W (MAX), Dual Volt, Multi D (Johnson Controls, Inc. #SPSWK).....	159.54	17.54
28 46 21 33-0975	EA			Speaker Strobe, Wall, White, Standard Candela. (Johnson Controls, Inc. #SPSW).....	122.02	17.54
28 46 21 33-0976	EA			Wall Mount Speaker, White. (Johnson Controls, Inc. #SPW).....	67.63	17.54
28 46 21 33-0977	EA			Wall Mount Speaker, Red. (Johnson Controls, Inc. #SPR).....	67.63	17.54
28 46 21 33-0978	EA			Speaker Strobe, Wall, White, High Cd. (Johnson Controls, Inc. #SPSWH).....	132.42	17.54
28 46 21 33-0979	EA			Speaker Strobe, Wall, Red, High Cd. (Johnson Controls, Inc. #SPSR).....	122.02	17.54
28 46 21 33-0980	EA			Speaker Strobe, Wall, Red, High Db, High Candela. (Johnson Controls, Inc. #SPSRV).....	122.02	17.54
28 46 21 33-0981				Honeywell Fire Alarm (28 46 21 33)		
28 46 21 33-0982				Notifier Fire Alarm (28 46 21 33-0981)		
28 46 21 33-0983				Fire Alarm Control Panel And Accessories (28 46 21 33-0982)		
28 46 21 33-0984	EA			NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D).....	3,521.71	350.73
28 46 21 33-0985	EA			NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640).....	2,907.51	350.73
28 46 21 33-0986	EA			Black, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320).....	3,514.48	350.73
28 46 21 33-0987	EA			Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C).....	3,602.11	350.73
28 46 21 33-0988	EA			Black, 240 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E).....	3,506.91	350.73
28 46 21 33-0989	EA			Red, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R).....	3,506.91	350.73
28 46 21 33-0990	EA			Two-Tone Sequential Module (Notifier 2TTM).....	187.07	17.54
28 46 21 33-0991	EA			5', Not Low Loss, Antenna Cable (Notifier 7626-5C).....	56.62	3.51
28 46 21 33-0992	EA			25', Low Loss, Antenna Cable (Notifier 7626-25HC).....	110.03	7.02
28 46 21 33-0993	EA			50', Low Loss, Antenna Cable (Notifier 7626-50HC).....	167.45	10.52

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 46 21 33-0994	EA		IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P).....	268.80	
28 46 21 33-0995	EA		RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119).....	38.40	
28 46 21 33-0996	EA		120VAC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS).....	3,429.31	350.73
28 46 21 33-0997	EA		240VAC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYSE).....	3,429.31	350.73
28 46 21 33-0998	EA		3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB).....	143.82	3.51
28 46 21 33-0999	EA		Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER).....	43.02	3.51
28 46 21 33-1000	EA		Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT).....	54.03	7.02
28 46 21 33-1001	EA		Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT).....	60.74	8.76
28 46 21 33-1002	EA		IP Communicator (Notifier IPDACT-2).....	479.87	17.54
28 46 21 33-1003	EA		IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD).....	559.87	17.54
28 46 21 33-1004	EA		Red, IP Communicator External Mounting Enclosure (Notifier IPENC).....	123.87	17.54
			Note: Includes IPBRKT.		
28 46 21 33-1005	EA		Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B).....	123.87	17.54
			Note: Includes IPBRKT		
28 46 21 33-1006	EA		Single Or Dual Path Commercial Fire Communicator (Notifier IPGSM-4G).....	668.61	26.31
28 46 21 33-1007	EA		Dual 8TPC To Single 8TPC "Y" Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT).....	31.63	7.02
28 46 21 33-1008	EA		Loop Control Module (Notifier LCM-320).....	1,281.70	35.07
28 46 21 33-1009	EA		Loop Expander Module (Notifier LEM-320).....	1,109.88	35.07
28 46 21 33-1010	EA		Keyboard Display Module For CPU2-640 (Notifier KDM-R2).....	972.59	35.07
28 46 21 33-1011	EA		7' DACT Phone Cord (Notifier MCBL-7).....	15.02	
28 46 21 33-1012	EA		Backbox For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1).....	118.34	8.76
28 46 21 33-1013	EA		Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R).....	135.87	17.54
28 46 21 33-1014	EA		Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B).....	135.87	17.54
28 46 21 33-1015	EA		Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2).....	535.07	17.54
28 46 21 33-1016	EA		Universal Zone Coder (Notifier UZC-256).....	723.07	17.54
28 46 21 33-1017	EA		Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI).....	219.82	
			Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.		
28 46 21 33-1018	EA		Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD).....	473.09	
28 46 21 33-1019	EA		ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD).....	306.69	
28 46 21 33-1020	EA		Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS).....	3,401.05	10.52

28 46 21 33-1021 ONYX Cabinets (28 46 21 33-0992)

28 46 21 33-1022	EA		Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R).....	311.14	8.76
28 46 21 33-1023	EA		Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R).....	416.74	8.76
28 46 21 33-1024	EA		Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R).....	514.34	8.76
28 46 21 33-1025	EA		Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4).....	74.65	10.52
28 46 21 33-1026	EA		Chassis Bridge (Notifier CB-1).....	65.54	8.76
28 46 21 33-1027	EA		Four Position Chassis (Notifier CHS-4).....	112.74	8.76
28 46 21 33-1028	EA		Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2).....	129.81	17.54
28 46 21 33-1029	EA		Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B).....	58.25	10.52
28 46 21 33-1030	EA		Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP).....	81.85	10.52
28 46 21 33-1031	EA		One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4).....	240.61	17.54
28 46 21 33-1032	EA		One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B).....	153.09	17.54
28 46 21 33-1033	EA		Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4).....	304.71	26.31
28 46 21 33-1034	EA		Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B).....	188.30	26.31
28 46 21 33-1035	EA		Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4).....	454.73	35.07
28 46 21 33-1036	EA		Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B).....	277.29	35.07
28 46 21 33-1037	EA		Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4).....	551.74	43.84
28 46 21 33-1038	EA		Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B).....	322.12	43.84
28 46 21 33-1039	EA		Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4).....	173.54	8.76
28 46 21 33-1040	EA		Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B).....	115.14	8.76
28 46 21 33-1041	EA		Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR).....	107.94	8.76
28 46 21 33-1042	EA		Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R).....	174.34	8.76
28 46 21 33-1043	EA		Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR).....	135.14	8.76
28 46 21 33-1044	EA		Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R).....	222.34	8.76
28 46 21 33-1045	EA		Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR).....	152.74	8.76
28 46 21 33-1046	EA		Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R).....	268.74	8.76
28 46 21 33-1047	EA		Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR).....	223.94	8.76
28 46 21 33-1048	EA		Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R).....	400.74	8.76
28 46 21 33-1049	EA		Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR).....	251.14	8.76
28 46 21 33-1050	EA		Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R).....	479.94	8.76
28 46 21 33-1051	EA		Black, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4).....	235.87	17.54
28 46 21 33-1052	EA		Black, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4).....	346.27	17.54
28 46 21 33-1053	EA		Black, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4).....	409.47	17.54
28 46 21 33-1054	EA		Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4).....	253.47	17.54
28 46 21 33-1055	EA		Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4).....	371.07	17.54
28 46 21 33-1056	EA		Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4).....	432.67	17.54
28 46 21 33-1057	EA		Red, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4R).....	235.87	17.54
28 46 21 33-1058	EA		Red, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4R).....	346.27	17.54
28 46 21 33-1059	EA		Red, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4R).....	409.47	17.54
28 46 21 33-1060	EA		Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R).....	253.47	17.54
28 46 21 33-1061	EA		Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R).....	371.07	17.54
28 46 21 33-1062	EA		Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R).....	432.67	17.54
28 46 21 33-1063	EA		Backbox With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC).....	2,182.73	87.68
28 46 21 33-1064	EA		CAB-4 Series Mounting Kit (Notifier P40-KITB).....	215.07	17.54
			Note: Includes chassis, hinged dress plate, and mounting hardware.		
28 46 21 33-1065	EA		Black, One Tier Backbox Assembly (Notifier SBB-A4).....	241.71	52.61
28 46 21 33-1066	EA		Black, Two Tier Backbox Assembly (Notifier SBB-B4).....	341.81	70.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1067 EA Black, Three Tier Backbox Assembly (Notifier SBB-C4).....	450.20	70.15
28 46 21 33-1068 EA Black, Four Tier Backbox Assembly (Notifier SBB-D4).....	547.90	87.68
28 46 21 33-1069 EA Black, Mini, One Tier, Backbox (Notifier SBB-AA4).....	135.87	17.54
28 46 21 33-1070 EA Red, Mini, One Tier, Backbox (Notifier SBB-AA4R).....	135.87	17.54
28 46 21 33-1071 EA Red, One Tier Backbox Assembly (Notifier SBB-A4R).....	171.07	17.54
28 46 21 33-1072 EA Red, Two Tier Backbox Assembly (Notifier SBB-B4R).....	235.87	17.54
28 46 21 33-1073 EA Red, Three Tier Backbox Assembly (Notifier SBB-C4R).....	343.87	17.54
28 46 21 33-1074 EA Red, Four Tier Backbox Assembly (Notifier SBB-D4R).....	406.27	17.54
28 46 21 33-1075 EA Trim Ring For NFS-320 Cabinet (Notifier TR-320).....	126.65	10.52
28 46 21 33-1076 EA Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R).....	126.65	10.52
28 46 21 33-1077 EA Black, "AA" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4).....	166.65	10.52
28 46 21 33-1078 EA Black, "A" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4).....	135.45	10.52
28 46 21 33-1079 EA Black, "B" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4).....	135.45	10.52
28 46 21 33-1080 EA Black, "C" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4).....	133.85	10.52
28 46 21 33-1081 EA Black, "D" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4).....	137.05	10.52
28 46 21 33-1082 EA 2" Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Backbox (Notifier VP-2B).....	53.45	10.52
28 46 21 33-1083 EA Wire Trays For Routing Wire In A CAB-4 Series Backbox (Notifier WC-2).....	35.42	3.51
28 46 21 33-1084 NFS2-3030/640 Cabinet Mechanicals (28 46 21 33-0982)		
28 46 21 33-1085 EA Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640).....	79.66	10.52
28 46 21 33-1086 EA Blank Module Dress Plate (Notifier BM-1B).....	66.01	10.52
28 46 21 33-1087 EA Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4).....	74.84	10.52
28 46 21 33-1088 EA Four Position Expansion Chassis (Notifier CHS-4MB).....	168.74	8.76
28 46 21 33-1089 EA Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3).....	168.22	26.31
28 46 21 33-1090 EA Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2).....	82.87	10.52
28 46 21 33-1091 NFS-3030/640 Cabinet Mechanicals (28 46 21 33-0982)		
28 46 21 33-1092 EA Annunciator Dress Plate (Notifier ADP-4B).....	75.65	10.52
28 46 21 33-1093 EA Blank Module Dress Plate (Notifier BMP-1).....	47.55	10.52
28 46 21 33-1094 EA Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L).....	106.93	17.54
28 46 21 33-1095 EA Module Dress Plate (Notifier MP-1B).....	76.45	10.52
28 46 21 33-1096 Battery Cabinets (28 46 21 33-0982)		
28 46 21 33-1097 EA Six Position Chassis (Notifier CHS-6).....	69.03	17.54
28 46 21 33-1098 EA Black, 24" x 14" x 7-3/4" Battery Backbox (Notifier NFS-LBB).....	341.27	52.61
28 46 21 33-1099 Digital Voice (28 46 21 33-0982)		
28 46 21 33-1100 EA Chassis Used With BB-XP (Notifier 18439).....	33.94	8.76
28 46 21 33-1101 EA 220 VAC, 100 Watts, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E).....	1,471.81	26.31
28 46 21 33-1102 EA 220 VAC, 120 Watts, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E).....	1,430.21	26.31
28 46 21 33-1103 EA 220 VAC, 30 Watts, 25 VRMS Audio Amplifier (Notifier AA-30E).....	683.81	26.31
28 46 21 33-1104 EA Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4).....	347.27	26.31
28 46 21 33-1105 EA Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4).....	470.79	35.07
28 46 21 33-1106 EA Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4).....	586.27	43.84
28 46 21 33-1107 EA Multimode Audio Fiber Link Receiver (Notifier AFL-RM).....	603.07	17.54
28 46 21 33-1108 EA Single Mode Audio Fiber Link Receiver (Notifier AFL-RS).....	1,339.87	17.54
28 46 21 33-1109 EA Multimode Audio Fiber Link Transmitter (Notifier AFL-TM).....	603.07	17.54
28 46 21 33-1110 EA Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS).....	1,339.87	17.54
28 46 21 33-1111 EA 15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Backbox (Notifier AFAWS-BX).....	73.14	8.76
28 46 21 33-1112 EA Flush Mounted, Key Lock, Door (Notifier AFAWS-KR).....	119.14	8.76
28 46 21 33-1113 EA Surface Mounted, Key Lock, Door (Notifier AFAWS-KS).....	121.14	8.76
28 46 21 33-1114 EA Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR).....	119.54	8.76
28 46 21 33-1115 EA Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS).....	121.14	8.76
28 46 21 33-1116 EA Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA).....	231.14	8.76
28 46 21 33-1117 EA Coil Cord, Telephone Chassis (Notifier AFAWS-TELC).....	187.54	8.76
28 46 21 33-1118 EA Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B).....	51.02	
28 46 21 33-1119 EA For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V).....	403.07	17.54
28 46 21 33-1120 EA For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V).....	403.07	17.54
28 46 21 33-1121 EA Blank Dress Plate For CA-2 (Notifier BP-CA2).....	68.74	8.76
28 46 21 33-1122 EA One Tier Chassis For Digital Voice Command Panel (Notifier CA-1).....	92.88	17.54
28 46 21 33-1123 EA Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2).....	288.66	26.31
28 46 21 33-1124 EA Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM).....	140.67	17.54
28 46 21 33-1125 EA Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR).....	140.67	17.54
28 46 21 33-1126 EA Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1).....	164.74	8.76
28 46 21 33-1127 EA Chassis With Paging Microphone With Well (Notifier CMC-1).....	189.54	8.76
28 46 21 33-1128 EA 120 VAC, 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025).....	1,189.61	17.54
28 46 21 33-1129 EA Multi-Mode Fiber-Optic Media 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F).....	964.56	17.54
28 46 21 33-1130 EA Single-Mode Fiber-Optic Media 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF).....	964.56	17.54
28 46 21 33-1131 EA 120 VAC, 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070).....	1,228.15	17.54
28 46 21 33-1132 EA Multi-Mode Fiber-Optic Media 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F).....	1,049.06	17.54
28 46 21 33-1133 EA 120 VAC, 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525).....	1,275.52	17.54
28 46 21 33-1134 EA Single-Mode Fiber-Optic Media 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF).....	1,260.31	17.54
28 46 21 33-1135 EA Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF).....	1,260.31	17.54
28 46 21 33-1136 EA 220-240 VAC, 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E).....	1,185.47	17.54
28 46 21 33-1137 EA 220-240 VAC, 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E).....	1,223.87	17.54
28 46 21 33-1138 EA 220-240 VAC, 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E).....	1,271.07	17.54

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1139 EA 120 VAC, 35 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525).....	810.27	17.54
28 46 21 33-1140 EA 220-240 VAC, 35 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E)	810.27	17.54
28 46 21 33-1141 EA 120 VAC, 35 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570)	862.27	17.54
28 46 21 33-1142 EA 220-240 VAC, 35 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E)	862.27	17.54
28 46 21 33-1143 EA 120 VAC, 50 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025).....	895.87	17.54
28 46 21 33-1144 EA 220-240 VAC, 50 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E)	895.87	17.54
28 46 21 33-1145 EA 120 VAC, 50 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070)	947.87	17.54
28 46 21 33-1146 EA 220-240 VAC, 50 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E)	947.87	17.54
28 46 21 33-1147 EA Dress Plate For CFFT-1 (Notifier DP-CFFT).....	79.94	8.76
28 46 21 33-1148 EA Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1)	71.63	10.52
28 46 21 33-1149 EA Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4).....	82.87	10.52
28 46 21 33-1150 EA Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B)	143.09	10.52
28 46 21 33-1151 EA WPS Power Amplifier (Notifier DPA3204P)	475.07	17.54
28 46 21 33-1152 EA WPS Power Amplifier (Notifier DPA4001P)	399.07	17.54
28 46 21 33-1153 EA Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232)	843.07	17.54
28 46 21 33-1154 EA 120 VAC, 125 Watts, 25 VRMS Digital Series Amplifier (Can Be Converted To 70 VRMS, 100 Watts With A DS- XF70V) (Notifier DS-AMP)	635.07	17.54
28 46 21 33-1155 EA 220-240 VAC, 125 Watts, 25 VRMS Digital Series Amplifier (Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V) (Notifier DS-AMPE)	635.07	17.54
28 46 21 33-1156 EA Digital Series Distribution Board, Supports One To Four DS-Amp Or DS-AMPE (Notifier DS-DB)	1,075.07	17.54
28 46 21 33-1157 EA 125 Watts, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watts Amplifier With A DS-XF70V) (Notifier DS-BDA).....	435.07	17.54
28 46 21 33-1158 EA Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM)	219.07	17.54
28 46 21 33-1159 EA Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXF Series Amplifier), Fiber Option Module (Notifier DS-RFM)	219.07	17.54
28 46 21 33-1160 EA Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM).....	219.07	17.54
28 46 21 33-1161 EA Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watts, DS Series Transformer (Notifier DS-XF70V)	91.07	17.54
28 46 21 33-1162 EA Analog Output Board For Digital Voice Command (Notifier DVC-AO)	207.69	17.54
28 46 21 33-1163 EA Extended Memory For Digital Voice Command (Notifier DVC-EM)	1,199.25	17.54
28 46 21 33-1164 EA Keypad For Digital Voice Command (Notifier DVC-KD)	347.14	35.07
28 46 21 33-1165 EA Replacement Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE)	168.62	
28 46 21 33-1166 EA Fire Fighters Telephone Control With Master Handset (Notifier FFT-7).....	1,206.69	35.07
28 46 21 33-1167 EA Portable Fireman's Telephone Handset (Notifier FHS)	107.42	
28 46 21 33-1168 EA Red, Fireman's Telephone Handset (Notifier FHS-F)	107.42	
28 46 21 33-1169 EA Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R).....	296.67	17.54
28 46 21 33-1170 EA Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S).....	296.67	17.54
28 46 21 33-1171 EA Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ)	48.12	5.26
28 46 21 33-1172 EA Paging Microphone Only (Notifier MIC-1)	140.25	17.54
28 46 21 33-1173 EA Firefighter's Telephone Handset (Notifier TELH-1).....	118.22	
28 46 21 33-1174 EA Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1).....	347.39	17.54
28 46 21 33-1175 EA Remote Microphone Assembly For Mounting In A Stand Alone Cabinet (Notifier RM-1SA)	347.39	17.54
28 46 21 33-1176 Amplifiers (28 46 21 33-0982)		
28 46 21 33-1177 EA 30 Watt Audio Amplifier At 25 VRMS, 120 VAC (Notifier AA-30).....	668.54	17.54
28 46 21 33-1178 EA 100 Watt Audio Amplifier At 70.7 VRMS, 120 VAC, Tone Generator (Notifier AA-100).....	1,459.38	17.54
28 46 21 33-1179 EA 120 Watt Audio Amplifier At 25 VRMS, 120 VAC, Tone Generator (Notifier AA-120).....	1,417.63	17.54
28 46 21 33-1180 EA Audio Coupling Transformer (Notifier ACT-1)	101.71	17.54
28 46 21 33-1181 EA Audio Coupling Transformer For Analog Amplifiers (Notifier ACT-2).....	119.37	17.54
28 46 21 33-1182 EA Audio Coupling Transformer For DVC-AO (Notifier ACT-4).....	119.37	17.54
28 46 21 33-1183 EA Audio Coupling Transformer For DAA-5025 (Notifier ACT-25)	119.37	17.54
28 46 21 33-1184 EA Audio Coupling Transformer For DAA-5070 (Notifier ACT-70)	119.37	17.54
28 46 21 33-1185 FireVoice-25/50 Emergency Voice Evacuation Control Panels (28 46 21 33-0982)		
28 46 21 33-1186 EA 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50).....	2,649.16	350.73
28 46 21 33-1187 EA Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA).....	1,884.44	350.73
28 46 21 33-1188 EA Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV- 25/50DAZS).....	2,433.68	350.73
28 46 21 33-1189 EA Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS)	3,151.93	350.73
28 46 21 33-1190 EA Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST)	3,481.47	350.73
28 46 21 33-1191 System Printer (28 46 21 33-0982)		
28 46 21 33-1192 EA 80 Column, 120 VAC, Desktop Printer (Notifier PRN-6)	1,449.74	17.54
28 46 21 33-1193 Batteries (28 46 21 33-0982)		
28 46 21 33-1194 EA 5 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-1250-BP)	399.87	17.54
28 46 21 33-1195 EA 7 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-1270-BP)	309.65	17.54
28 46 21 33-1196 EA 12 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12120-BP)	407.61	17.54
28 46 21 33-1197 EA 18 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12180-BP)	237.40	17.54
28 46 21 33-1198 EA 26 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12260-BP)	332.14	17.54
28 46 21 33-1199 EA 55 Amp Hour, 12 VDC, Sealed Battery (Notifier BAT-12550)	331.33	17.54
28 46 21 33-1200 EA 100 Amp Hour, 12 VDC, Sealed Battery (Notifier BAT-121000).....	527.88	17.54
28 46 21 33-1201 Battery Backboxes And Miscellaneous Mechanicals (28 46 21 33-0982)		
28 46 21 33-1202 EA 14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Backbox (Notifier BB-17).....	99.25	14.03
28 46 21 33-1203 EA 24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25)	155.25	14.03
Note: XP6 modules require a CHS-6.		



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	28 46 21 33-1204	EA 15.6" x 15.5" x 5.152", Mounts Up To Two 26 Amp Hour And Charger, Battery Backbox (Notifier BB-26)	267.15	70.15
	28 46 21 33-1205	EA Holds Up To Two BAT-12120 12 Amp Hour Batteries, Battery Holder (Notifier CHS-BH).....	126.95	35.07
	28 46 21 33-1206	EA Holds Up To Two BAT-12120 12 Amp Hour Batteries, Battery Holder (Notifier CHS-BH1).....	59.94	8.76
	28 46 21 33-1207	EA Battery Bracket For Two 26 Amp Hour Batteries (Notifier SEISKIT-BB25).....	171.25	14.03
	28 46 21 33-1208	EA Two 26 Amp Hour Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB).....	132.05	14.03
	28 46 21 33-1209	EA Two 12 Amp Hour Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA).....	146.45	14.03
	28 46 21 33-1210	EA Two 55 Amp Hour Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB).....	159.25	14.03
28 46 21 33-1211		Power Supplies And Chargers <small>(28 46 21 33-0982)</small>		
	28 46 21 33-1212	EA 120 VAC, 6 Or 10 Amps, Addressable Charging Power Supply (Notifier ACPS-610)	1,012.61	26.31
	28 46 21 33-1213	EA 220/240 VAC, 6 Or 10 Amps, Addressable Charging Power Supply (Notifier ACPS-610E).....	1,012.61	26.31
	28 46 21 33-1214	EA Addressable Power Supply, 120 VAC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24).....	1,021.81	17.54
	28 46 21 33-1215	EA 6A Auxiliary Power Supply (Notifier APS-6R)	519.25	17.54
	28 46 21 33-1216	EA 10 Amp Battery Charger (Notifier BC10A)	636.61	26.31
	28 46 21 33-1217	EA 33.34" x 22.5" x 7.5", Holds Four 55 Amp Hour Or Two 100 Amp Hour Batteries, For NFS-3030 Or NFS2-3030, Combination Power Supply And Battery Enclosure (Notifier BB-100)	373.29	21.05
	28 46 21 33-1218	EA 33.34" x 22.5" x 7.5", Holds Four 55 Amp Hour Or Two 100 Amp Hour Batteries, For NFS-3030 Or NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-100R)	373.29	21.05
	28 46 21 33-1219	EA 30.34" x 36.5" x 7.5", Holds Four 55 Amp Hour Or Four 100 Amp Hour Batteries, For NFS2-3030, Combination Power Supply And Battery Enclosure (Notifier BB-200)	538.89	21.05
	28 46 21 33-1220	EA 30.34" x 36.5" x 7.5", Holds Four 55 Amp Hour Or Four 100 Amp Hour Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R).....	538.89	21.05
	28 46 21 33-1221	EA 15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1).....	97.47	17.54
	28 46 21 33-1222	EA 25 To 120 Amp Hour Battery Charger (Notifier CHG-120)	787.37	17.54
	28 46 21 33-1223	EA Mounts XPIQ-Ps And/Or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS).....	55.94	8.76
	28 46 21 33-1224	EA Replacement Door Used For Mounting ACPS-610 (E) In a CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1).....	89.54	8.76
	28 46 21 33-1225	EA 8.0 Amps, 120 VAC Remote Charger Power Supply (Notifier FCPS-24S8)	521.62	17.54
	28 46 21 33-1226	EA 8.0 Amps, 240 VAC Remote Charger Power Supply (Notifier FCPS-24S8E).....	590.02	52.61
	28 46 21 33-1227	EA Red, 8.0 Amps, 240 VAC Remote Charger Power Supply (Notifier FCPS-24S8R)	590.02	52.61
	28 46 21 33-1228	EA 8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8).....	675.62	52.61
	28 46 21 33-1229	EA 8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8E)	675.62	52.61
	28 46 21 33-1230	EA Chassis Mounted, 8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8CM)	652.61	26.31
	28 46 21 33-1231	EA Chassis Mounted, 8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8CME)	652.61	26.31
	28 46 21 33-1232	EA 12 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12).....	792.61	26.31
	28 46 21 33-1233	EA 12 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12E)	792.61	26.31
	28 46 21 33-1234	EA Chassis Mounted, 12 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12CM)	823.01	52.61
	28 46 21 33-1235	EA Chassis Mounted, 12 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12CME)	823.01	52.61
	28 46 21 33-1236	EA 6 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S6)	562.02	52.61
	28 46 21 33-1237	EA 6 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S6E)	562.02	52.61
	28 46 21 33-1238	EA 8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S8)	607.62	52.61
	28 46 21 33-1239	EA 8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S8E).....	607.62	52.61
	28 46 21 33-1240	EA 6 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA).....	485.22	52.61
	28 46 21 33-1241	EA 9 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA).....	574.82	52.61
	28 46 21 33-1242	EA Class A Adapter HPFF8/HPFF12 (Notifier HPP31076)	117.54	8.76
	28 46 21 33-1243	EA Main Power Supply And Charger, Up To 3 Amps (Notifier MPS-24A).....	753.31	17.54
	28 46 21 33-1244	EA Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4)	134.27	17.54
28 46 21 33-1245		Network Control Annunciators <small>(28 46 21 33-0982)</small>		
	28 46 21 33-1246	EA Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2).....	1,429.97	52.61
	28 46 21 33-1247	EA Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO)	53.97	10.52
	28 46 21 33-1248	EA Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit)	38.71	10.52
28 46 21 33-1249		FIRSTVISION Firefighter's Display <small>(28 46 21 33-0982)</small>		
	28 46 21 33-1250	EA Replacement ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD)	11,037.47	350.73
28 46 21 33-1251		FlashScan Addressable Modules <small>(28 46 21 33-0982)</small>		
	28 46 21 33-1252	EA Intelligent Addressable Control Module (Notifier FCM-1).....	122.58	17.54
	28 46 21 33-1253	EA Addressable Dual Monitor Module (Notifier FDM-1)	137.04	17.54
	28 46 21 33-1254	EA Intelligent Addressable Monitor Module (Notifier FMM-1)	101.71	17.54
	28 46 21 33-1255	EA Intelligent Addressable Miniature Monitor Module (Notifier FMM-101)	90.47	17.54
	28 46 21 33-1256	EA Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20)	187.62	17.54
	28 46 21 33-1257	EA Intelligent Addressable Relay Module (Notifier FRM-1)	117.77	17.54
	28 46 21 33-1258	EA Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1).....	154.70	17.54
	28 46 21 33-1259	EA SLC Loop Powered Fault Isolator Module (Notifier ISO-X).....	100.10	17.54
28 46 21 33-1260		Addressable Device Bases And Accessories <small>(28 46 21 33-0982)</small>		
	28 46 21 33-1261	EA Intelligent Detector Base With Flange (Notifier B710LP)	33.59	8.76
	28 46 21 33-1262	EA Weatherproof Device Housing (Notifier DH400OE-1).....	316.88	17.54
28 46 21 33-1263		XP6/XP10 Transponder <small>(28 46 21 33-0982)</small>		
	28 46 21 33-1264	EA Synchronization Daughter Module For XP6-C (Notifier SYNC-1)	90.07	17.54

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1265 EA Six Circuit Supervised Control Module (Notifier XP6-C)	455.78	17.54
28 46 21 33-1266 EA Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA)	552.12	17.54
28 46 21 33-1267 EA Six Relay Control Module (Notifier XP6-R)	438.12	17.54
28 46 21 33-1268 EA Ten Input Monitor Module (Notifier XP10-M)	528.04	17.54
28 46 21 33-1269 LCD Display Annunciators (28 46 21 33-0982)		
28 46 21 33-1270 EA 80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80)	582.93	52.61
28 46 21 33-1271 EA 80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80)	819.78	52.61
28 46 21 33-1272 EA 640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160)	848.69	52.61
28 46 21 33-1273 EA 8 To 16 Switch Smoke Control Expander (Notifier SCE-8)	558.27	17.54
28 46 21 33-1274 EA 8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L)	295.07	17.54
28 46 21 33-1275 EA Eight Switch Smoke Control Master Module (Notifier SCS-8)	726.27	17.54
28 46 21 33-1276 ONYX ACM And AEM Series LED Annunciators (28 46 21 33-0982)		
28 46 21 33-1277 EA Remote, Eight Form C Relay Module (Notifier ACM-8R)	326.27	17.54
28 46 21 33-1278 EA 16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT)	604.31	17.54
28 46 21 33-1279 EA 16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT)	462.20	17.54
28 46 21 33-1280 EA 24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT)	604.31	17.54
28 46 21 33-1281 EA 24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT)	462.20	17.54
28 46 21 33-1282 EA 32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A)	462.20	17.54
28 46 21 33-1283 EA 32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A)	414.03	17.54
28 46 21 33-1284 EA 48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A)	462.20	17.54
28 46 21 33-1285 EA 48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A)	414.03	17.54
28 46 21 33-1286 Graphic Annunciator - Lamp Driver Modules (28 46 21 33-0982)		
28 46 21 33-1287 EA Single Annunciator Flush Mounted Backbox (Notifier ABF-1B)	187.37	35.07
28 46 21 33-1288 EA Single Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-1DB)	204.23	35.07
28 46 21 33-1289 EA Two Annunciator Flush Mounted Backbox (Notifier ABF-2B)	234.61	43.84
28 46 21 33-1290 EA Two Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-2DB)	256.28	43.84
28 46 21 33-1291 EA Four Annunciator Flush Mounted Backbox (Notifier ABF-4B)	413.39	61.38
28 46 21 33-1292 EA Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1)	73.64	10.52
28 46 21 33-1293 EA Single Annunciator Surface Mounted Backbox (Notifier ABS-1B)	118.72	35.07
28 46 21 33-1294 EA Single Annunciator Surface Mounted Backbox With Trim (Notifier ABS-1TB)	104.74	8.76
28 46 21 33-1295 EA Two Annunciator Surface Mounted Backbox (Notifier ABS-2B)	149.64	35.07
28 46 21 33-1296 EA 12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Backbox (Notifier ABS-2D)	267.53	43.84
28 46 21 33-1297 EA Red, Surface (Or Semi-Flush) Mounted Backbox For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR)	196.74	8.76
28 46 21 33-1298 EA Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4D)	435.07	61.38
28 46 21 33-1299 EA Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4DR)	332.25	10.52
28 46 21 33-1300 EA Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Backbox (Notifier ABS-8RB)	126.45	14.03
28 46 21 33-1301 EA Annunciator Key Switch (Notifier AKS-1B)	62.52	5.26
28 46 21 33-1302 EA Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D)	69.19	17.54
28 46 21 33-1303 EA 32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32)	414.03	17.54
28 46 21 33-1304 EA 24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24)	121.42	3.51
28 46 21 33-1305 EA 48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48)	151.82	3.51
28 46 21 33-1306 EA 32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32)	340.97	17.54
28 46 21 33-1307 EA Lamp Driver Module (Notifier LDM-R32)	594.27	17.54
28 46 21 33-1308 EA Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L)	551.07	17.54
28 46 21 33-1309 EA 48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48)	154.22	3.51
28 46 21 33-1310 EA Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D)	125.05	10.52
28 46 21 33-1311 EA Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D)	76.25	10.52
28 46 21 33-1312 EA Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR)	76.25	10.52
28 46 21 33-1313 Network Gateways (28 46 21 33-0982)		
28 46 21 33-1314 EA Common Alerting Protocol Gateway (Notifier CAP-GW)	2,235.07	17.54
28 46 21 33-1315 EA PC Version, Receivers Gateway (Notifier DACR-GW)	1,747.07	17.54
28 46 21 33-1316 EA Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF)	1,667.07	17.54
28 46 21 33-1317 EA Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF)	1,867.07	17.54
28 46 21 33-1318 EA Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF)	2,075.07	17.54
28 46 21 33-1319 EA Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W)	1,587.07	17.54
28 46 21 33-1320 EA Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF)	1,627.07	17.54
28 46 21 33-1321 EA Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF)	1,831.07	17.54
28 46 21 33-1322 EA Modbus Gateway (Notifier MODBUS-GW)	1,747.07	17.54
28 46 21 33-1323 EA 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW)	2,126.29	11.57
28 46 21 33-1324 EA Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS)	3,173.49	11.57
28 46 21 33-1325 EA 1920x1080P Wide Screen (Notifier MON-42LCDW)	10,086.29	11.57
28 46 21 33-1326 EA Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORZ-SD)	404.61	26.31
28 46 21 33-1327 EA Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD)	744.61	26.31
28 46 21 33-1328 EA Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD)	1,088.61	26.31
28 46 21 33-1329 EA Mass Notification Voice Paging (Notifier NOTIFY-IP)	840.00	
28 46 21 33-1330 EA Non UL Listed Applications, Mass Notification Voice Paging (Notifier NOTIFY-IP-NOUL)	840.00	
28 46 21 33-1331 EA Embedded NFN Gateway (Notifier NFN-GW-EM)	1,753.23	17.54
28 46 21 33-1332 EA NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F)	1,753.23	17.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1333 EA High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF).....	2,547.07	17.54
28 46 21 33-1334 EA High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF).....	2,971.07	17.54
28 46 21 33-1335 EA High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW).....	2,547.07	17.54
28 46 21 33-1336 EA NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W).....	1,753.23	17.54
28 46 21 33-1337 EA E-Mail Option For ONYXworks (Notifier ONYX-NOTIFY).....	840.00	
28 46 21 33-1338 EA Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER).....	840.00	
28 46 21 33-1339 EA ONYXWorks Workstation (Notifier ONYXWORKS-WS).....	15,683.49	420.87
28 46 21 33-1340 EA Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW)..... Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	3,340.29	
28 46 21 33-1341 EA Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF)..... Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	3,340.29	
28 46 21 33-1342 EA Fiber Optics, Standard Network Repeater Board (Notifier RPT-F).....	772.67	17.54
28 46 21 33-1343 EA Wire, Standard Network Repeater Board (Notifier RPT-W).....	626.27	17.54
28 46 21 33-1344 EA Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF).....	751.87	17.54
28 46 21 33-1345 EA Signaling Line Circuit Integration Module (Notifier SLC-IM).....	831.07	17.54
28 46 21 33-1346 EA VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanel™ (Notifier VESDA-HLI-GW).....	1,747.07	17.54
28 46 21 33-1347 EA Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanel™ (Notifier VHX-1420-HFS).....	1,443.07	17.54
28 46 21 33-1348 EA Windows 7 Hard Drive Upgrade (Notifier WIN7-UG-US-3).....	1,600.00	
28 46 21 33-1349 NOTI-FIRE-NET Network Components (28 46 21 33-0982)		
28 46 21 33-1350 EA Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3).....	1,753.23	17.54
28 46 21 33-1351 EA Fiber Optic Network Communications Module (Notifier NCM-F).....	779.34	17.54
28 46 21 33-1352 EA NOTI-FIRE-NET Web Server (Notifier NWS).....	1,753.23	17.54
28 46 21 33-1353 EA Wired Network Communications Module (Notifier NCM-W).....	742.41	17.54
28 46 21 33-1354 EA Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit).....	69.93	8.76
28 46 21 33-1355 FireWarden Addressable Fire Panels (28 46 21 33-0982)		
28 46 21 33-1356 EA 50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50).....	1,468.20	350.73
28 46 21 33-1357 EA Black, One SLC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100).....	1,753.22	350.73
28 46 21 33-1358 EA Black, One DC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C).....	1,749.45	175.36
28 46 21 33-1359 EA Black, One SLC Loop, 240 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E).....	1,749.45	175.36
28 46 21 33-1360 EA Red, One SLC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R).....	1,749.45	175.36
28 46 21 33-1361 FireWarden Accessories (28 46 21 33-0982)		
28 46 21 33-1362 EA Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100).....	131.81	26.31
28 46 21 33-1363 EA Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T).....	131.01	26.31
28 46 21 33-1364 FireWarden Devices (28 46 21 33-0982)		
28 46 21 33-1365 EA SLC Loop Powered Fault Isolator Module (Notifier N100-ISO).....	99.30	17.54
28 46 21 33-1366 EA Intelligent Addressable Control Module (Notifier NC-100).....	118.57	17.54
28 46 21 33-1367 EA Intelligent Addressable Relay Module (Notifier NC-100R).....	113.75	17.54
28 46 21 33-1368 EA Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100).....	246.11	26.31
28 46 21 33-1369 EA Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R).....	296.81	26.31
28 46 21 33-1370 EA Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100).....	113.75	17.54
28 46 21 33-1371 EA Intelligent Addressable Thermal Detector With Base (Notifier NH-100).....	115.23	26.31
28 46 21 33-1372 EA Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H).....	115.23	26.31
28 46 21 33-1373 EA Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R).....	115.23	26.31
28 46 21 33-1374 EA Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100).....	156.98	26.31
28 46 21 33-1375 EA Intelligent Addressable Monitor Module (Notifier NMM-100).....	97.69	17.54
28 46 21 33-1376 EA Intelligent Addressable Mini Monitor Module (Notifier NMM-100P).....	88.46	17.54
28 46 21 33-1377 EA Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX).....	133.42	17.54
28 46 21 33-1378 EA Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100).....	120.85	26.31
28 46 21 33-1379 EA Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100).....	149.88	17.54
28 46 21 33-1380 EA Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6).....	539.28	17.54
28 46 21 33-1381 SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories (28 46 21 33-0982)		
28 46 21 33-1382 EA 120 VAC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402).....	962.60	280.58
28 46 21 33-1383 EA 120 VAC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404).....	1,066.17	280.58
28 46 21 33-1384 EA 240 VAC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFB-2402E).....	750.73	87.68
28 46 21 33-1385 EA 240 VAC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFB-2404E).....	853.93	87.68
28 46 21 33-1386 EA Class A Converter Module (Notifier CAC-4).....	266.27	17.54
28 46 21 33-1387 EA Optional Internal Dress Panel For SFB-2402 And SFB-2404 Only (Notifier DP-3-B).....	88.25	10.52
28 46 21 33-1388 EA Internal Dress Plate, Required For FM And ULC (Notifier DP-4X).....	89.85	10.52
28 46 21 33-1389 EA Remote Zone Annunciator (Notifier RZA-4X).....	127.81	26.31

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1390 SFP-5UD 5 Zone Control Panels And Accessories <small>(28 46 21 33-0982)</small>		
28 46 21 33-1391 EA 120 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD).....	1,500.32	350.73
28 46 21 33-1392 EA 120 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC).....	2,268.18	263.05
28 46 21 33-1393 EA 240 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE).....	1,497.45	175.36
28 46 21 33-1394 EA Red, 120 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR).....	1,497.45	175.36
28 46 21 33-1395 EA Class A Converter Module (Notifier N-CAC-5X).....	266.27	17.54
28 46 21 33-1396 EA Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE).....	105.05	10.52
28 46 21 33-1397 SFP-10UD 10 Zone Control Panels And Accessories <small>(28 46 21 33-0982)</small>		
28 46 21 33-1398 EA 120 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC).....	2,774.91	350.73
28 46 21 33-1399 EA 240 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE).....	2,075.38	263.05
28 46 21 33-1400 EA 120 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD).....	1,725.12	350.73
28 46 21 33-1401 EA Red, 120 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR).....	2,426.11	350.73
28 46 21 33-1402 EA Four Channel, Dual Line, Stand Alone Fire Alarm Communicator (Fire-Lite 411UDAC).....	448.85	52.61
28 46 21 33-1403 Smoke Detectors <small>(28 46 21 33-0982)</small>		
28 46 21 33-1404 EA Intelligent Addressable Beam Smoke Detector (Notifier FSB-200).....	1,150.15	35.07
28 46 21 33-1405 EA Intelligent Addressable Beam Smoke Detector With Remote Test Feature (Notifier FSB-200S).....	1,310.15	35.07
28 46 21 33-1406 EA Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851).....	168.22	26.31
28 46 21 33-1407 EA Intelligent Addressable Laser Smoke Detector (Notifier FSL-751).....	285.45	26.31
28 46 21 33-1408 EA Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D).....	728.60	26.31
28 46 21 33-1409 EA Low Profile Intelligent Addressable Photoelectric Smoke Detector (Notifier FSP-851).....	135.31	26.31
28 46 21 33-1410 EA Remote Test Capable, Low Profile Intelligent Addressable Photoelectric Smoke Detector (Notifier FSP-851R).....	137.41	26.31
28 46 21 33-1411 EA Intelligent Addressable Thermal Detector (Notifier FST-851).....	111.22	26.31
28 46 21 33-1412 EA Intelligent Addressable High Temperature Thermal Detector (Notifier FST-851H).....	111.22	26.31
28 46 21 33-1413 EA Intelligent Addressable Rate-Of-Rise Thermal Detector (Notifier FST-851R).....	111.22	26.31
28 46 21 33-1414 EA Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R).....	123.01	26.31
Note: For use with DNR(W) duct detector housing.		
28 46 21 33-1415 EA Filters For Harsh Detector (Notifier RF-FTX).....	14.75	
28 46 21 33-1416 EA Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY).....	101.51	17.54
28 46 21 33-1417 Pull Stations <small>(28 46 21 33-0982)</small>		
28 46 21 33-1418 EA Trim Ring For NBG12 Series Pull Station (Notifier BG12TR).....	21.42	3.51
28 46 21 33-1419 EA One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2).....	46.34	8.76
28 46 21 33-1420 EA Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2R).....	46.34	8.76
28 46 21 33-1421 EA Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1).....	62.67	17.54
28 46 21 33-1422 EA DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F).....	68.67	17.54
28 46 21 33-1423 EA Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS).....	92.27	17.54
28 46 21 33-1424 EA Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R).....	62.67	17.54
28 46 21 33-1425 EA Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS).....	71.47	17.54
28 46 21 33-1426 EA Standard "Local" Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL).....	71.47	17.54
28 46 21 33-1427 EA Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR).....	71.47	17.54
28 46 21 33-1428 EA Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1).....	67.87	17.54
28 46 21 33-1429 EA Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R).....	73.07	17.54
28 46 21 33-1430 EA Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL).....	542.09	21.05
28 46 21 33-1431 EA Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L).....	68.19	17.54
28 46 21 33-1432 EA Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB).....	158.51	21.05
28 46 21 33-1433 EA Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS).....	92.67	17.54
28 46 21 33-1434 EA Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR).....	81.07	17.54
28 46 21 33-1435 EA Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX).....	134.23	17.54
28 46 21 33-1436 EA Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE).....	33.42	3.51
28 46 21 33-1437 Rate Compensation Heat Detectors <small>(28 46 21 33-0982)</small>		
28 46 21 33-1438 EA 135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135).....	123.26	26.31
28 46 21 33-1439 EA 194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194).....	123.26	26.31
28 46 21 33-1440 FM Series Door Releases <small>(28 46 21 33-0982)</small>		
28 46 21 33-1441 EA 1/2" Door Holder Spacer (Notifier FM900-50).....	20.15	5.26
28 46 21 33-1442 EA 3/4" Door Holder Spacer (Notifier FM900-75).....	20.15	5.26
28 46 21 33-1443 EA 1" Door Holder Spacer (Notifier FM900-100).....	20.15	5.26
28 46 21 33-1444 EA Door Holder Extension Kit (Notifier FM900).....	21.36	5.26
28 46 21 33-1445 EA 90 Degree Door Holder Extension Kit (Notifier FM900-2).....	21.76	5.26
28 46 21 33-1446 EA Floor Mounted, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM980).....	149.76	26.31
28 46 21 33-1447 EA Surface Mounted, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM996).....	129.69	26.31
28 46 21 33-1448 EA Recessed Mounted, Concealed Wiring, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM998).....	129.69	26.31
28 46 21 33-1449 Multicriteria Fire Detector <small>(28 46 21 33-0982)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1450	EA		Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851).....	228.61	26.31
28 46 21 33-1451	EA		Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851)..... Note: Detects fire, thermal, photo, CO and IR, with Flashscan.	211.01	26.31
28 46 21 33-1452	EA		Low Profile Intelligent Addressable Photoelectric Smoke Detector With Built-In 135°F Fixed Temperature Thermal Device (Notifier FSP-851T).....	135.81	26.31
28 46 21 33-1453			Modules <small>(28 46 21 33-0982)</small>		
28 46 21 33-1454	EA		Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1).....	261.47	17.54
28 46 21 33-1455	EA		Addressable Firephone Control Module (Notifier FTM-1).....	153.47	17.54
28 46 21 33-1456			DH Series Door Releases <small>(28 46 21 33-0982)</small>		
28 46 21 33-1457	EA		Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC).....	127.81	26.31
28 46 21 33-1458	EA		Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB).....	136.13	26.31
28 46 21 33-1459	EA		Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD).....	144.61	26.31
28 46 21 33-1460	EA		Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC).....	142.21	26.31
28 46 21 33-1461	EA		Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB).....	149.41	26.31
28 46 21 33-1462	EA		Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD).....	155.01	26.31
28 46 21 33-1463	EA		Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC).....	127.81	26.31
28 46 21 33-1464	EA		Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB).....	135.81	26.31
28 46 21 33-1465	EA		Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD).....	144.61	26.31
28 46 21 33-1466	EA		Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1).....	163.81	26.31
28 46 21 33-1467	EA		Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1).....	175.01	26.31
28 46 21 33-1468	EA		Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1).....	187.81	26.31
28 46 21 33-1469	EA		Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2).....	191.01	26.31
28 46 21 33-1470	EA		Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2).....	203.81	26.31
28 46 21 33-1471	EA		Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2).....	219.81	26.31
28 46 21 33-1472	EA		.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC).....	14.70	3.51
28 46 21 33-1473	EA		.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B).....	14.70	3.51
28 46 21 33-1474	EA		.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D).....	15.98	3.51
28 46 21 33-1475	EA		1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC).....	14.70	3.51
28 46 21 33-1476	EA		1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B).....	14.70	3.51
28 46 21 33-1477	EA		1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D).....	15.98	3.51
28 46 21 33-1478	EA		1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC).....	15.66	3.51
28 46 21 33-1479	EA		1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC).....	15.66	3.51
28 46 21 33-1480	EA		1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B).....	15.98	3.51
28 46 21 33-1481	EA		1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D).....	16.94	3.51
28 46 21 33-1482	EA		2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC).....	16.94	3.51
28 46 21 33-1483	EA		2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC).....	16.94	3.51
28 46 21 33-1484	EA		2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B).....	17.42	3.51
28 46 21 33-1485	EA		2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D).....	17.74	3.51
28 46 21 33-1486	EA		3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC).....	17.74	3.51
28 46 21 33-1487	EA		3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B).....	18.70	3.51
28 46 21 33-1488	EA		3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D).....	18.70	3.51
28 46 21 33-1489	EA		4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC).....	19.02	3.51
28 46 21 33-1490	EA		4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC).....	19.02	3.51
28 46 21 33-1491	EA		4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB).....	19.82	3.51
28 46 21 33-1492	EA		4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD).....	22.22	3.51
28 46 21 33-1493	EA		5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC).....	19.82	3.51
28 46 21 33-1494	EA		5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B).....	20.78	3.51
28 46 21 33-1495	EA		5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D).....	22.22	3.51
28 46 21 33-1496	EA		Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCP).....	20.60	5.26
28 46 21 33-1497	EA		Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB).....	21.24	5.26
28 46 21 33-1498	EA		Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD).....	23.32	5.26
28 46 21 33-1499	EA		Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC).....	38.20	5.26
28 46 21 33-1500	EA		Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB).....	40.76	5.26
28 46 21 33-1501	EA		Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD).....	43.32	5.26
28 46 21 33-1502	EA		Surface Mounted Backbox, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBPC).....	34.82	8.76
28 46 21 33-1503	EA		Surface Mounted Backbox, Plated Brass For Electromagnetic Door Holder (Notifier DHBBC).....	36.74	8.76
28 46 21 33-1504	EA		Surface Mounted Backbox, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD).....	39.46	8.76
28 46 21 33-1505	EA		Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF).....	216.00	
28 46 21 33-1506	EA		Two Piece Extension Wrench (Notifier DHW).....	2.40	
28 46 21 33-1507			First Command <small>(28 46 21 33-0982)</small>		
28 46 21 33-1508	EA		Black, 120 VAC, 50 Watts, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100).....	4,002.44	438.41
28 46 21 33-1509	EA		Black, 220-240 VAC, 50 Watts, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E).....	4,002.44	438.41
28 46 21 33-1510	EA		Black, 120 VAC, 50 Watts, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA).....	1,137.09	35.07
28 46 21 33-1511	EA		Black, 220-240 VAC, 50 Watts, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE).....	1,137.09	35.07

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1512 EA Black, 120 VAC, 125 Watts, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA).....	2,090.69	35.07
28 46 21 33-1513 EA Black, 220-240 VAC, 125 Watts, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE).....	2,090.69	35.07
28 46 21 33-1514 EA 50 Watts, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt).....	455.07	17.54
28 46 21 33-1515 EA 50 Watts, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt).....	455.07	17.54
28 46 21 33-1516 EA Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4).....	307.87	17.54
28 46 21 33-1517 EA Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6).....	435.07	17.54
28 46 21 33-1518 EA Standalone Firefighter Telephone System (Notifier NFC-FFT).....	1,544.29	35.07
Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black.		
28 46 21 33-1519 EA Local Operator Console (Notifier NFC-LOC).....	1,493.09	35.07
Note: Includes built-in microphone, message and zone control switches, black.		
28 46 21 33-1520 EA Black, Remote Microphone (Notifier NFC-RM).....	434.22	
28 46 21 33-1521 EA Remote Page Unit (Notifier NFC-RPU).....	1,260.29	35.07
Note: Includes built-in microphone, message control switches, black.		
28 46 21 33-1522 EA Remote Telephone Zone Module (Notifier NFC-RTZM).....	575.87	17.54
28 46 21 33-1523 EA 70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V).....	232.67	17.54
28 46 21 33-1524 EA Firefighters Phone Jack (Notifier N-FPJ).....	108.12	5.26
28 46 21 33-1525 EA Thumbblatch Option For NFC-LOC And NFC-RPU (Notifier THUMBLTCH).....	29.72	5.26
28 46 21 33-1526 EA Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B).....	92.25	10.52
28 46 21 33-1527 LED Displays (28 46 21 33-0982)		
28 46 21 33-1528 EA 2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215).....	1,042.09	21.05
28 46 21 33-1529 EA Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW).....	1,768.12	28.05
28 46 21 33-1530 EA 4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT).....	1,816.12	28.05
28 46 21 33-1531 EA 8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8).....	1,216.12	28.05
28 46 21 33-1532 EA 16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16).....	1,856.12	28.05
28 46 21 33-1533 EA LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V).....	1,816.12	28.05
28 46 21 33-1534 Control Relays (28 46 21 33-0982)		
28 46 21 33-1535 EA Single SPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-101/CR).....	44.74	8.76
28 46 21 33-1536 EA Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T).....	35.14	8.76
28 46 21 33-1537 EA Four Position SPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-104/CR).....	118.27	17.54
28 46 21 33-1538 EA Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T).....	73.54	8.76
28 46 21 33-1539 EA Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T).....	87.94	8.76
28 46 21 33-1540 EA 24 VDC, 30 Amp Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C).....	105.47	17.54
28 46 21 33-1541 EA 120 VAC, 30 Amp Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C).....	105.47	17.54
28 46 21 33-1542 EA Single DPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-201/CR).....	65.47	17.54
28 46 21 33-1543 EA Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T).....	37.94	8.76
28 46 21 33-1544 EA Four Position DPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-204/CR).....	135.07	17.54
28 46 21 33-1545 EA 24 VDC/24 VAC/115 VAC, 10 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-1).....	47.87	17.54
28 46 21 33-1546 EA 12/24 VDC, 7 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-2).....	47.87	17.54
28 46 21 33-1547 EA 9 To 40 VDC, 10 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-4).....	47.87	17.54
28 46 21 33-1548 Gamewell-FCI Fire Control Instruments (28 46 21 33-0982)		
28 46 21 33-1549 7100 Series And NetSOLO® (28 46 21 33-1548)		
28 46 21 33-1550 7100 Compact Analog Addressable Fire Alarm Control Panels (28 46 21 33-1549)		
28 46 21 33-1551 EA Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M).....	621.32	210.44
28 46 21 33-1552 EA Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2).....	2,631.90	350.73
28 46 21 33-1553 EA Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D).....	2,865.22	350.73
28 46 21 33-1554 EA Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 VAC (Gamewell-FCI BK-7100-2-E).....	2,631.90	350.73
28 46 21 33-1555 EA Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 VAC (Gamewell-FCI BK-7100-2D-E).....	2,865.22	350.73
28 46 21 33-1556 EA Replacement Board For 7100-1D (Gamewell-FCI BSM-7100-1).....	788.98	35.07
28 46 21 33-1557 EA Replacement Board For 7100-2 (Gamewell-FCI BSM-7100-1D).....	945.07	35.07
28 46 21 33-1558 EA Analog Loop Unit (Gamewell-FCI ALU).....	945.07	35.07
28 46 21 33-1559 NetSOLO® Intelligent Network (28 46 21 33-1549)		
28 46 21 33-1560 EA Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO).....	1,047.76	35.07
Note: Mounted in 7100 panel.		
28 46 21 33-1561 EA Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP).....	833.34	35.07
Note: Mounted in 7100 panel.		
28 46 21 33-1562 Components And Accessories (28 46 21 33-1549)		
28 46 21 33-1563 EA Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100).....	517.59	26.31
28 46 21 33-1564 EA Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100).....	395.47	35.07
28 46 21 33-1565 EA Fiber Optic Line Driver Module (Gamewell-FCI FLD-1).....	721.62	35.07
28 46 21 33-1566 EA Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM).....	293.60	35.07
28 46 21 33-1567 EA Replacement Enclosure Box (Gamewell-FCI EN-7100).....	244.62	70.15
28 46 21 33-1568 EA Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2).....	751.44	17.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1569	E3 Series® Basic System <small>(28 46 21 33-1548)</small>	
28 46 21 33-1570 EA Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3).....	699.26	35.07
28 46 21 33-1571 EA Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3).....	602.64	35.07
28 46 21 33-1572 EA Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3).....	699.26	35.07
28 46 21 33-1573 EA Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3).....	602.64	35.07
28 46 21 33-1574 EA LCD Keypad Display (Gamewell-FCI LCD-E3).....	443.24	35.07
28 46 21 33-1575 EA Power Supply Module (Gamewell-FCI PM-9).....	579.38	35.07
28 46 21 33-1576 EA Transponder 9 Ampere Power Supply (Gamewell-FCI PM-9 INX).....	488.21	35.07
28 46 21 33-1577 EA Power Supply And Charger, 120/220 VAC (Gamewell-FCI PM-9G 9A).....	480.64	17.54
28 46 21 33-1578 EA Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3).....	279.51	35.07
28 46 21 33-1579 EA Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO).....	741.19	35.07
28 46 21 33-1580 EA Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP).....	621.74	35.07
28 46 21 33-1581 EA Local Operating Console (Gamewell-FCI 1100-0455).....	415.68	26.31
28 46 21 33-1582 EA Network Graphic Annunciator (Gamewell-FCI 1100-0505).....	1,332.29	26.31
28 46 21 33-1583 EA 70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70).....	531.96	35.07
28 46 21 33-1584 EA INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326).....	1,611.83	35.07
28 46 21 33-1585 EA 8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1).....	380.52	70.15
28 46 21 33-1586 EA C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC).....	282.56	70.15
28 46 21 33-1587 EA Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP).....	62.28	17.54
28 46 21 33-1588 EA Programmable Switch Module (Gamewell-FCI ASM-16).....	374.13	35.07
28 46 21 33-1589 EA LED Driver module (Gamewell-FCI ANU-48).....	374.13	35.07
28 46 21 33-1590 EA Network Graphic Annunciator (Gamewell-FCI NGA).....	1,116.87	26.31
28 46 21 33-1591	Addressable Devices, Module, Pulls And Accessories <small>(28 46 21 33-1548)</small>	
28 46 21 33-1592	Velociti® Series Sensors And Bases <small>(28 46 21 33-1591)</small>	
28 46 21 33-1593 EA Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F).....	119.97	26.31
28 46 21 33-1594 EA Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F).....	122.44	26.31
28 46 21 33-1595 EA Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F).....	129.83	26.31
28 46 21 33-1596 EA Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F).....	100.26	26.31
28 46 21 33-1597 EA Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F).....	104.37	26.31
28 46 21 33-1598 EA Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F).....	100.26	26.31
28 46 21 33-1599 EA Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F).....	147.08	26.31
28 46 21 33-1600 EA Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS).....	319.60	26.31
28 46 21 33-1601 EA Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF).....	272.52	43.84
28 46 21 33-1602 EA Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF).....	305.38	43.84
28 46 21 33-1603 EA Replacement Duct Detector Board (Gamewell-FCI ADP-F-SB).....	150.94	43.84
28 46 21 33-1604 EA Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF).....	30.68	8.76
28 46 21 33-1605 EA Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F).....	344.25	26.31
28 46 21 33-1606 EA Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF).....	68.88	8.76
28 46 21 33-1607 EA Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F).....	1,214.27	52.61
28 46 21 33-1608	Velociti® Series Modules And Pull Station <small>(28 46 21 33-1591)</small>	
28 46 21 33-1609 EA Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2F).....	87.24	17.54
28 46 21 33-1610 EA Dual Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2IF).....	139.40	17.54
28 46 21 33-1611 EA Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4F).....	95.45	17.54
28 46 21 33-1612 EA Subloop Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4SF).....	133.65	17.54
28 46 21 33-1613 EA Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF).....	111.88	17.54
28 46 21 33-1614 EA Addressable Output Supervised Module (Gamewell-FCI AOM-2SF).....	115.99	17.54
28 46 21 33-1615 EA Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF).....	163.39	35.07
28 46 21 33-1616 EA Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF).....	119.69	17.54
28 46 21 33-1617 EA Telephone Filters (Gamewell-FCI AOM-TEL-FL).....	19.34	3.51
28 46 21 33-1618	Components And Accessories <small>(28 46 21 33-1591)</small>	
28 46 21 33-1619 EA Remote LED Annunciator Alarm (Gamewell-FCI RA400Z).....	48.59	14.03
Note: Mounts on single gang box.		
28 46 21 33-1620 EA Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5).....	24.30	7.02
28 46 21 33-1621 EA >2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3).....	25.94	7.02
28 46 21 33-1622 EA >4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5).....	31.10	8.76
28 46 21 33-1623 EA >8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10).....	49.80	10.52
28 46 21 33-1624 EA Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451).....	74.06	14.03
Note: Mounts on single gang box.		
28 46 21 33-1625	Fixed And Rate of Rise Heat Detectors <small>(28 46 21 33-1591)</small>	
28 46 21 33-1626 EA 135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P).....	66.58	26.31
28 46 21 33-1627 EA 194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602).....	66.58	26.31
28 46 21 33-1628 EA 135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603).....	66.58	26.31
28 46 21 33-1629 EA 194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604).....	66.58	26.31
28 46 21 33-1630	NAC Expander/Power Supply <small>(28 46 21 33-1591)</small>	
28 46 21 33-1631 EA FireForce 8 NAC Expander/Power Supply, 12/24 VDC, 8 Amp, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8).....	1,152.65	280.58
28 46 21 33-1632 EA 6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6).....	996.57	280.58
28 46 21 33-1633 EA 9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9).....	1,074.61	280.58

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1634			Batteries And Accessories (28 46 21 33-1548)		
28 46 21 33-1635	EA		B-17R, 12 VDC, 17 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A)	176.37	17.54
28 46 21 33-1636	EA		B-55R, 12 VDC, 55 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A)	444.19	17.54
28 46 21 33-1637	EA		B-7R, 12 VDC, 7 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A)	94.22	17.54
28 46 21 33-1638	EA		BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653).....	218.85	35.07
28 46 21 33-1639	EA		BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654).....	218.85	35.07
28 46 21 33-1640	EA		12"H x 12"W x 24"L Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970)	195.02	35.07
28 46 21 33-1641			Electronic Door Holders (28 46 21 33-1548)		
			Note: Rixson products.		
28 46 21 33-1642	EA		XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000)	31.17	3.51
28 46 21 33-1643	EA		FM-980, Floor Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90000).....	249.77	26.31
28 46 21 33-1644	EA		FM-981, Floor Mount Holder For Double Doors, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90001)	339.32	26.31
28 46 21 33-1645	EA		FM-990, Low Profile Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90002)	160.56	26.31
28 46 21 33-1646	EA		FM-996, Surface Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90003).....	153.16	26.31
28 46 21 33-1647	EA		FM-997 Recessed Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90004).....	160.56	26.31
28 46 21 33-1648	EA		FM-998, Recessed Mount Door Holder With Concealed Wiring, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90005)	160.23	26.31
28 46 21 33-1649			SpectraAlert® Advance Wall Mount 2-Wire Horn/Strobes (28 46 21 33-1548)		
			See CSI section 28 46 21 33-1813 for devices.		
28 46 21 33-1650			SpectraAlert® Advance Accessories (28 46 21 33-1548)		
			See CSI section 28 46 21 33-1813 for backboxes, 28 46 21 33-2070 for backboxes.		
28 46 21 33-1651			Fire Alarm Programming (28 46 21 33-1548)		
			Note: For device replacement projects only. Do not use these tasks on projects where a fire alarm panel is replaced.		
28 46 21 33-1652	EA		Program And Test Up To 5 Fire Alarm Devices	500.00	
28 46 21 33-1653	EA		Program And Test >5 To 20 Fire Alarm Devices	1,000.00	
28 46 21 33-1654	EA		Program And Test >20 To 50 Fire Alarm Devices	2,000.00	
28 46 21 33-1655			Fire-Lite Fire Alarm (28 46 21 33-0981)		
28 46 21 33-1656			Addressable Control Panels (28 46 21 33-1655)		
28 46 21 33-1657	EA		25 Point Intelligent Control (Fire Lite MS-25)	1,174.31	350.73
28 46 21 33-1658	EA		50 Point Intelligent Control (Fire Lite MS-9050UD).....	1,289.36	350.73
28 46 21 33-1659	EA		198-Point Intelligent Control (Fire Lite MS-9200UDLS)	1,817.42	350.73
28 46 21 33-1660	EA		636-Point Intelligent Control (Fire Lite MS-9600LS).....	2,672.68	350.73
28 46 21 33-1661	EA		636-Point Intelligent Control (Fire Lite MS-9600UDLS)	2,562.90	350.73
28 46 21 33-1662			Silent Knight Fire Alarm (28 46 21 33-0981)		
28 46 21 33-1663	EA		Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS)	2,924.65	175.36
28 46 21 33-1664	EA		Supervised Remote Command Unit (Silent Knight EVS-RCU)	1,211.67	105.22
28 46 21 33-1665	EA		50 Watt Amplifier (Silent Knight EVS-50W)	849.89	70.15
28 46 21 33-1666	EA		125 Watt Amplifier (Silent Knight EVS-125W)	1,516.98	70.15
28 46 21 33-1667	EA		Voice Evacuation System (Silent Knight SKE-450).....	1,450.86	70.15
28 46 21 33-1668	EA		Fire Fighters Telephone (Silent Knight SK-FFT)	1,202.91	70.15
28 46 21 33-1669	EA		Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL)	1,229.38	105.22
28 46 21 33-1670	EA		Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808).....	914.82	70.15
28 46 21 33-1671	EA		Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700).....	698.23	70.15
28 46 21 33-1672	EA		Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600)	601.45	70.15
28 46 21 33-1673	EA		Combination Fire And CO Detector (Silent Knight SK-FIRE-CO)	191.65	26.31
28 46 21 33-1674	EA		Photoelectric Detector (Silent Knight SK-PHOTO).....	108.58	26.31
28 46 21 33-1675	EA		Photoelectric Thermal Detector (Silent Knight SK-PHOTO-T)	114.36	26.31
28 46 21 33-1676	EA		Ionization Smoke Detector (Silent Knight SK-ION)	115.01	26.31
28 46 21 33-1677	EA		135 Degree Fixed Temperature Detector (Silent Knight SK-HEAT).....	100.07	26.31
28 46 21 33-1678	EA		190 Degree Fixed Temperature Detector (Silent Knight SK-HEAT-HT).....	105.35	26.31
28 46 21 33-1679	EA		135 Degree Fixed Temperature Rate-of-Rise Detector (Silent Knight SK-HEAT-ROR)	107.30	26.31
28 46 21 33-1680	EA		Sounder Base (Silent Knight B200SR)	65.13	8.76
28 46 21 33-1681	EA		Intelligent Sounder Base (Silent Knight B200S).....	68.99	8.76
28 46 21 33-1682	EA		Isolator Base (Silent Knight B224BI).....	54.21	8.76
28 46 21 33-1683	EA		Relay Base (Silent Knight B224RB).....	54.84	8.76
28 46 21 33-1684	EA		Multi-Criteria Photoelectric Detector With Thermal Sensing (Silent Knight SK-ACCLIMATE)	117.03	26.31
28 46 21 33-1685	EA		Photoelectric Duct Detector (Silent Knight SK-DUCT)	189.23	26.31
28 46 21 33-1686	EA		Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM)	671.29	26.31
28 46 21 33-1687	EA		Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM-T)	766.92	26.31
28 46 21 33-1688	EA		Dual Monitor Module (Silent Knight SK-MONITOR-2)	139.33	26.31
28 46 21 33-1689	EA		Supervised Control Module (Silent Knight SK-CONTROL)	115.79	26.31
28 46 21 33-1690	EA		Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6).....	392.73	35.07
28 46 21 33-1691	EA		Relay Control Module (Silent Knight SK-RELAY)	99.49	17.54
28 46 21 33-1692	EA		Six Relay Control Module (Silent Knight SK-RELAY-6)	379.58	35.07
28 46 21 33-1693	EA		Zone Interface Module (Silent Knight SK-ZONE).....	118.27	26.31
28 46 21 33-1694	EA		Six Zone Interface Module (Silent Knight SK-ZONE-6).....	454.85	35.07
28 46 21 33-1695	EA		Monitor Module (Silent Knight SK-MONITOR).....	101.50	26.31



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1696	EA			10 Input Monitor Module (Silent Knight SK-MON-10)	440.52	35.07
28 46 21 33-1697	EA			Monitor Module (Silent Knight SK-MINIMON)	94.43	26.31
28 46 21 33-1698	EA			Fault Isolator Module (Silent Knight SK-ISO)	105.35	26.31
28 46 21 33-1699	EA			Addressable Heat Sensor (Silent Knight SD505-AHS)	103.43	26.31
28 46 21 33-1700	EA			Analog Ionization Smoke Detector (Silent Knight SD505-AIS)	112.55	26.31
28 46 21 33-1701	EA			Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS)	105.35	26.31
28 46 21 33-1702	EA			6" Addressable Sounder Base (Silent Knight SD505-6SB)	79.94	8.76
28 46 21 33-1703	EA			6" Addressable Relay Base (Silent Knight SD505-6RB)	75.43	8.76
28 46 21 33-1704	EA			6" Isolator Base (Silent Knight SD505-6IB)	68.36	8.76
28 46 21 33-1705	EA			Addressable Input Module (Silent Knight SD500-AIM)	104.72	26.31
28 46 21 33-1706	EA			Addressable Notification Module (Silent Knight SD500-ANM)	129.42	26.31
28 46 21 33-1707	EA			Addressable Relay Module (Silent Knight SD500-ARM)	115.79	26.31
28 46 21 33-1708	EA			SLC Annunciator Driver Module (Silent Knight SD500-LED)	452.89	52.61
28 46 21 33-1709	EA			Loop Isolation Module (Silent Knight SD500-LIM)	109.21	26.31
28 46 21 33-1710	EA			Addressable Mini Input Module (Silent Knight SD500-MIM)	85.89	17.54
28 46 21 33-1711	EA			Single Action Addressable Pull Station (Silent Knight SD500-PS)	110.64	17.54
28 46 21 33-1712	EA			Dual Action Addressable Pull Station (Silent Knight SD500-PSDA)	105.68	17.54
28 46 21 33-1713	EA			Back Box (Silent Knight SK-PSSMBB)	48.79	14.03
28 46 21 33-1714	EA			Smoke Detector Module (Silent Knight SD500-SDM)	121.98	26.31
28 46 21 33-1715	EA			Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB)	29.30	8.76
28 46 21 33-1716	EA			Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB)	29.30	8.76
28 46 21 33-1717	EA			Addressable Duct Housing (Silent Knight SD505-DUCT)	197.70	26.31
28 46 21 33-1718	EA			Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR)	256.94	26.31
28 46 21 33-1719	EA			Addressable Duct Detector Test Switch (Silent Knight SD505-DTS)	107.93	26.31
28 46 21 33-1720	EA			Intelligent Power Module (Silent Knight 5895XL)	652.83	70.15
28 46 21 33-1721	EA			Addressable Power Supply (Silent Knight 5496)	455.28	52.61
28 46 21 33-1722	EA			Relay Interface Board (Silent Knight 5883)	174.11	17.54
28 46 21 33-1723	EA			Remote LED Annunciator (Silent Knight 5865-3)	358.07	35.07
28 46 21 33-1724	EA			Remote LED Annunciator (Silent Knight 5865-4)	405.64	35.07
28 46 21 33-1725	EA			Remote LCD Annunciator (Silent Knight SK-5860)	384.78	52.61
28 46 21 33-1726	EA			Serial/Parallel Printer Interface (Silent Knight 5824)	249.08	17.54
28 46 21 33-1727	EA			LED Input/Output Module (Silent Knight / IntelliKnight 5880)	292.74	26.31
28 46 21 33-1728	EA			Addressable Pull Station (Silent Knight SK-Pull-DA/SA)	105.68	17.54
28 46 21 33-1729	EA			Digital Fire Communicator with Cabinet (Silent Knight SK-5104)	368.05	52.61
28 46 21 33-1730	EA			Communicator (Silent Knight IPGSM-4G)	543.35	35.07
28 46 21 33-1731	EA			Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208)	859.33	70.15
28 46 21 33-1732	EA			10 Zone Expander (Silent Knight SK-5217)	240.62	17.54
28 46 21 33-1733	EA			Remote Annunciator (Silent Knight SK-5235)	241.84	35.07
28 46 21 33-1734	EA			Status Display Module (Silent Knight 5280)	70.46	17.54
28 46 21 33-1735	EA			Serial/Parallel Module (Silent Knight 5824)	284.16	35.07
28 46 21 33-1736	EA			Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4)	490.35	70.15
28 46 21 33-1737	EA			Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E)	499.90	70.15
28 46 21 33-1738	EA			Dress Panel (Silent Knight SK-DP2/4)	92.96	17.54
28 46 21 33-1739	EA			Class A Convertor (Silent Knight SK-CAC4)	241.23	26.31
28 46 21 33-1740	EA			Transmitter Module (Silent Knight SK-4XTM)	128.18	26.31
28 46 21 33-1741	EA			LED Interface Module (Silent Knight SK-4XLM)	118.27	26.31
28 46 21 33-1742	EA			110 VAC Transformer, 3-6A (Silent Knight SK-XRM24)	120.55	17.54
28 46 21 33-1743	EA			Remote Annunciator (Silent Knight SK-RZA4)	118.27	26.31
28 46 21 33-1744	EA			Zone Relay Module (Silent Knight SK-4XZM)	126.94	26.31
28 46 21 33-1745	EA			Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2)	424.63	70.15
28 46 21 33-1746	EA			Remote Battery Box Accessory Cabinet (Silent Knight RBB)	105.68	17.54
28 46 21 33-1747	EA			Manual Pull Station (single action) (Silent Knight PS-SATK)	59.06	17.54
28 46 21 33-1748	EA			Manual Pull Station (dual action) (Silent Knight PS-DATK)	63.84	17.54
28 46 21 33-1749	EA			Manual Pull Station (dual action) (Silent Knight PS-DA)	62.50	17.54
28 46 21 33-1750	EA			Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH)	55.93	17.54
28 46 21 33-1751	EA			Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB)	123.85	21.05
28 46 21 33-1752	EA			6 Amp, 24 VDC, Distributed Power Module (with cabinet) (Silent Knight SK-5495)	427.80	52.61
28 46 21 33-1753	EA			9 Amp, 24 VDC, Distributed Power Module (with cabinet) (Silent Knight SK-5499)	480.37	52.61

28 46 21 33-1754				Alerton <small>(28 46 21 33)</small>		
28 46 21 33-1755	EA			UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100)	386.52	5.26

28 46 21 33-1756				Cooper Fire Alarm <small>(28 46 21 33)</small>		
28 46 21 33-1757	EA			Single Circuit Class A / Multiple B, 12 Or 24 VDC, Sync Module (Cooper DSM-12/24-R)	131.07	17.54
28 46 21 33-1758	EA			Red Lens, 21 Joules, 24 VDC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001)	2,262.03	29.81
28 46 21 33-1759	EA			Red, 100 dB, 24 VDC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002)	2,982.03	29.81
28 46 21 33-1760	EA			Red Lens, 5 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001)	1,091.75	35.07
28 46 21 33-1761	EA			Clear Lens, 5 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002)	1,098.15	35.07
28 46 21 33-1762	EA			Amber Lens, 5 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007)	1,098.15	35.07
28 46 21 33-1763	EA			Red Lens, 10 Joules, 24 VDC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001)	814.95	35.07
28 46 21 33-1764	EA			Amber Lens, 10 Joules, 120 VAC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003)	814.95	35.07
28 46 21 33-1765	EA			Red Lens, 10 Joules, 120 VAC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004)	814.95	35.07

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1766 EA Amber Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005)	1,098.15	35.07
28 46 21 33-1767 EA Amber Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006)	1,098.15	35.07
28 46 21 33-1768 EA Red Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007)	1,098.15	35.07
28 46 21 33-1769 EA Red Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008)	1,098.15	35.07
28 46 21 33-1770 EA Red Lens, 15 Joules, 24 VDC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002)	1,098.15	35.07
28 46 21 33-1771 EA Red Lens, 21 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001)	1,263.75	35.07
28 46 21 33-1772 EA Red Lens, 21 Joules, 24 VDC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003)	1,174.15	35.07
28 46 21 33-1773 EA Amber Lens, 21 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005)	1,174.15	35.07
28 46 21 33-1774 EA Red Lens, 21 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006)	1,174.15	35.07
28 46 21 33-1775 Light Engineered Displays Message Boards <small>(28 46 21 33)</small>		
28 46 21 33-1776 EA Two Message Sign, "Announcement" And "Evacuate" (LED SP-2/MNS)	398.09	21.05
28 46 21 33-1777 EA Four Message Sign, "Fire", "Weather", "Announcement", "E Voltuate" (LED SP-4)	486.09	21.05
28 46 21 33-1778 STI Fire Alarm <small>(28 46 21 33)</small>		
28 46 21 33-1779 EA Pull Station Polycarbonate Cover, Semi Flush With Horn (STI-1100)	92.97	10.52
Note: Include 9 VDC self contained battery.		
28 46 21 33-1780 EA Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130)	122.65	10.52
28 46 21 33-1781 EA Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200)	82.07	10.52
28 46 21 33-1782 EA Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D)	74.04	10.52
Note: For surface mounted horn strobes.		
28 46 21 33-1783 EA Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E)	65.21	10.52
28 46 21 33-1784 EA Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D)	74.04	10.52
Note: For surface mounted strobe.		
28 46 21 33-1785 EA Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E)	73.86	10.52
28 46 21 33-1786 EA NEMA 4X Rated Polycarbonate Dome Cover (STI-1229)	153.85	10.52
28 46 21 33-1787 EA Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230)	99.73	10.52
Note: For surface mounted pull stations.		
28 46 21 33-1788 EA Backplate For Polycarbonate Cover (STI-1280)	43.25	10.52
28 46 21 33-1789 EA Conduit Gasket For Polycarbonate Cover (STI-3003)	29.25	10.52
28 46 21 33-1790 EA Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100)	52.05	10.52
28 46 21 33-1791 EA Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150)	102.65	10.52
28 46 21 33-1792 EA 8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A)	90.45	10.52
28 46 21 33-1793 EA 24.7" x 19.7" x 7.3", Key Lock, Lockable Enclosure (STI-7550)	490.65	10.52
28 46 21 33-1794 EA Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100)	72.25	10.52
28 46 21 33-1795 EA Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601)	66.25	10.52
28 46 21 33-1796 EA Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602)	60.65	10.52
28 46 21 33-1797 EA Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604)	66.25	10.52
28 46 21 33-1798 EA Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605)	60.65	10.52
28 46 21 33-1799 EA Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609)	66.25	10.52
28 46 21 33-1800 EA Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610)	60.65	10.52
28 46 21 33-1801 EA Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625)	113.85	10.52
28 46 21 33-1802 EA White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705)	55.45	10.52
28 46 21 33-1803 EA Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R)	55.45	10.52
28 46 21 33-1804 EA Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706)	86.65	10.52
28 46 21 33-1805 EA Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707)	86.65	10.52
28 46 21 33-1806 EA White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708)	61.05	10.52
28 46 21 33-1807 EA Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R)	61.05	10.52
28 46 21 33-1808 EA White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711)	55.45	10.52
28 46 21 33-1809 EA Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713)	60.65	10.52
28 46 21 33-1810 EA White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714)	61.05	10.52
28 46 21 33-1811 EA Yellow, "High Threat", Push Button Station (STI SS-2201)	65.52	5.26
28 46 21 33-1812 EA Gasket Kit For STI Covers (STI SUB-121)	28.12	
28 46 21 33-1813 System Sensor Fire Alarm <small>(28 46 21 33)</small>		
28 46 21 33-1814 Smoke Detectors <small>(28 46 21 33-1813)</small>		
28 46 21 33-1815 EA Beam Detector Heater Kit (System Sensor BEAMHK)	39.02	3.51
28 46 21 33-1816 EA Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR)	163.02	3.51
Note: Four used with long range kit.		
28 46 21 33-1817 EA Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK)	191.75	35.07
28 46 21 33-1818 EA Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK)	138.15	35.07
28 46 21 33-1819 EA Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK)	110.95	35.07
28 46 21 33-1820 EA Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B)	104.80	26.31
28 46 21 33-1821 EA Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B)	106.21	26.31
28 46 21 33-1822 EA Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B)	110.42	26.31
28 46 21 33-1823 EA Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B)	106.60	26.31
28 46 21 33-1824 EA Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 VDC (System Sensor 4WT-B)	114.21	26.31
28 46 21 33-1825 EA Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B)	113.23	26.31



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1826	EA			Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B).....	139.01	26.31
28 46 21 33-1827	EA			Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151)	81.47	17.54
28 46 21 33-1828	EA			Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T)..... Note: Requires B100 series base.	92.67	17.54
28 46 21 33-1829	EA			Heavy Duty Multi-Mount Kit (System Sensor 6500-MMK)	183.94	8.76
28 46 21 33-1830	EA			Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy Duty Multi-Mount Kit (System Sensor 6500-SMK)	61.54	8.76
28 46 21 33-1831 Duct Smoke Detectors (28 46 21 33-1813)						
28 46 21 33-1832	EA			Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2).....	231.21	26.31
28 46 21 33-1833	EA			Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120).....	233.81	26.31
28 46 21 33-1834	EA			Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W)	302.23	29.81
28 46 21 33-1835	EA			Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S)	151.87	17.54
28 46 21 33-1836	EA			Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL).....	40.92	5.26
28 46 21 33-1837	EA			Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR)	132.42	14.03
28 46 21 33-1838	EA			Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW)	217.32	17.54
28 46 21 33-1839	EA			1' Steel Sampling Tube (System Sensor DST1)	22.83	7.02
28 46 21 33-1840	EA			1.5' Steel Sampling Tube (System Sensor DST1.5).....	24.83	7.02
28 46 21 33-1841	EA			3' Steel Sampling Tube (System Sensor DST3).....	28.83	7.02
28 46 21 33-1842	EA			5' Steel Sampling Tube (System Sensor DST5).....	34.00	8.76
28 46 21 33-1843	EA			10' Steel Sampling Tube (System Sensor DST10).....	54.45	10.52
28 46 21 33-1844	EA			1', Steel, Exhaust Tube Duct (System Sensor ETX)	25.63	7.02
28 46 21 33-1845	EA			Remote Test Station For Duct Smoke Detector (System Sensor RTS151)	62.14	8.76
28 46 21 33-1846	EA			Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2).....	140.00	
28 46 21 33-1847	EA			Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B)	150.40	
28 46 21 33-1848 Heat Detectors (28 46 21 33-1813)						
28 46 21 33-1849	EA			Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P).....	69.47	26.31
28 46 21 33-1850	EA			Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602)	69.47	26.31
28 46 21 33-1851	EA			Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621)	82.32	26.31
28 46 21 33-1852	EA			Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622)	82.32	26.31
28 46 21 33-1853 Horns (28 46 21 33-1813)						
28 46 21 33-1854	EA			Red, Mini Horn (System Sensor MHR).....	74.61	26.31
28 46 21 33-1855	EA			White, Mini Horn (System Sensor MHW).....	74.61	26.31
28 46 21 33-1856	EA			White, 12/24 VDC, Wall Mounted Horn Only (System Sensor HW).....	85.81	26.31
28 46 21 33-1857	EA			Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R).....	95.63	29.81
28 46 21 33-1858	EA			Red, Interior, Wall Mounted, Horn (System Sensor HR).....	85.93	26.31
28 46 21 33-1859	EA			Red, Outdoor, Wall Mounted, Horn (System Sensor HRK).....	104.80	26.31
28 46 21 33-1860 Wall Mounted Horns/Strobes (28 46 21 33-1813)						
28 46 21 33-1861	EA			Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2R).....	113.41	26.31
28 46 21 33-1862	EA			Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH).....	118.21	26.31
28 46 21 33-1863	EA			Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK).....	152.43	29.81
28 46 21 33-1864	EA			Plain, Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P)	152.43	29.81
28 46 21 33-1865	EA			Low Frequency, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH-LF)	161.41	26.31
28 46 21 33-1866	EA			Outdoor Backbox, Red, 120 VAC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120)	164.43	29.81
28 46 21 33-1867	EA			Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK).....	143.23	29.81
28 46 21 33-1868	EA			Plain, Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P).....	147.63	29.81
28 46 21 33-1869	EA			Replacement, Outdoor, Red, , Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R).....	128.61	26.31
28 46 21 33-1870	EA			Plain, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2R-P)	113.41	26.31
28 46 21 33-1871	EA			White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2W).....	113.41	26.31
28 46 21 33-1872	EA			White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH)	119.01	26.31
28 46 21 33-1873	EA			Low Frequency, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-LF)	161.41	26.31
28 46 21 33-1874	EA			Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK)	152.43	29.81
28 46 21 33-1875	EA			Plain, Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P).....	152.43	29.81
28 46 21 33-1876	EA			Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P).....	118.21	26.31
28 46 21 33-1877	EA			Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK)	147.63	29.81

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1878 EA Plain, Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P).....	147.63	29.81
28 46 21 33-1879 EA Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2W-P).....	113.41	26.31
28 46 21 33-1880 EA Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4R).....	130.49	26.31
28 46 21 33-1881 EA Red, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH).....	133.70	26.31
28 46 21 33-1882 EA Outdoor Backbox, Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK).....	154.37	29.81
28 46 21 33-1883 EA Replacement, Outdoor, Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R).....	144.43	29.81
28 46 21 33-1884 EA White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4W).....	130.21	26.31
28 46 21 33-1885 EA Outdoor Backbox, White, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK).....	149.23	29.81
28 46 21 33-1886 EA Outdoor Backbox, White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK).....	154.03	29.81
28 46 21 33-1887 Ceiling Mounted Horns/Strobes (28 46 21 33-1813)		
28 46 21 33-1888 EA Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R).....	113.41	26.31
28 46 21 33-1889 EA Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH).....	119.81	26.31
28 46 21 33-1890 EA Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK).....	152.43	29.81
28 46 21 33-1891 EA Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK).....	147.63	29.81
28 46 21 33-1892 EA Plain, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P).....	114.21	26.31
28 46 21 33-1893 EA White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W).....	113.41	26.31
28 46 21 33-1894 EA White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH).....	119.81	26.31
28 46 21 33-1895 EA Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK).....	152.43	29.81
28 46 21 33-1896 EA Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P).....	119.81	26.31
28 46 21 33-1897 EA Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK).....	147.63	29.81
28 46 21 33-1898 EA Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P).....	113.41	26.31
28 46 21 33-1899 EA Red, Ceiling Mounted, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4R).....	130.49	26.31
28 46 21 33-1900 EA Red, Ceiling Mounted, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH).....	133.70	26.31
28 46 21 33-1901 EA White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4W).....	130.21	26.31
28 46 21 33-1902 Wall Mounted Strobes (28 46 21 33-1813)		
28 46 21 33-1903 EA White Strobe Expander Plate Backbox Skirt (System Sensor SEP-BBSW).....	44.74	8.76
28 46 21 33-1904 EA White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW).....	86.34	8.76
28 46 21 33-1905 EA Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SR).....	101.59	26.31
28 46 21 33-1906 EA Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH).....	112.83	26.31
28 46 21 33-1907 EA Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK).....	137.51	29.81
28 46 21 33-1908 EA Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK).....	135.90	29.81
28 46 21 33-1909 EA Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P).....	135.63	29.81
28 46 21 33-1910 EA Replacement Unit, Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R).....	118.03	29.81
28 46 21 33-1911 EA Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SR-P).....	101.41	26.31
28 46 21 33-1912 EA White, 12/24 VDC, Selectable (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW).....	101.41	26.31
28 46 21 33-1913 EA White, Amber Lens, 12/24 VDC, Selectable (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-ALERT).....	110.21	26.31
28 46 21 33-1914 EA White, Clear Lens, 12/24 VDC, Selectable (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-CLR-ALERT).....	107.81	26.31
28 46 21 33-1915 EA White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH).....	112.61	26.31
28 46 21 33-1916 EA White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT).....	111.81	26.31
28 46 21 33-1917 EA White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P).....	111.81	26.31
28 46 21 33-1918 EA Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P).....	137.23	29.81
28 46 21 33-1919 EA White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK).....	137.23	29.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1920 EA White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P).....	137.23	29.81
28 46 21 33-1921 EA Replacement Unit, Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R).....	121.23	29.81
28 46 21 33-1922 EA White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK).....	135.63	29.81
28 46 21 33-1923 EA White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P).....	135.63	29.81
28 46 21 33-1924 EA White, Plain, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-P).....	100.61	26.31
28 46 21 33-1925 EA Amber, Wall Strobe Lens Attachment (System Sensor LENS-A).....	15.82	3.51
28 46 21 33-1926 EA Blue, Wall Strobe Lens Attachment (System Sensor LENS-B).....	15.82	3.51
28 46 21 33-1927 EA Green, Wall Strobe Lens Attachment (System Sensor LENS-G).....	15.82	3.51
28 46 21 33-1928 EA Red, Wall Strobe Lens Attachment (System Sensor LENS-R).....	15.82	3.51
28 46 21 33-1929 Ceiling Mounted Strobes <small>(28 46 21 33-1813)</small>		
28 46 21 33-1930 EA Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCR).....	101.59	26.31
28 46 21 33-1931 EA Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH).....	114.43	26.31
28 46 21 33-1932 EA Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK).....	137.51	29.81
28 46 21 33-1933 EA Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK).....	137.51	29.81
28 46 21 33-1934 EA White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW).....	101.41	26.31
28 46 21 33-1935 EA Clear Lens, White, Two Wire, 12/24 VDC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCW-CLR-ALERT).....	107.81	26.31
28 46 21 33-1936 EA White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH).....	114.21	26.31
28 46 21 33-1937 EA Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK).....	137.23	29.81
28 46 21 33-1938 EA Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK).....	135.63	29.81
28 46 21 33-1939 EA Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P).....	102.21	26.31
28 46 21 33-1940 EA Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC).....	15.82	3.51
28 46 21 33-1941 EA Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC).....	15.82	3.51
28 46 21 33-1942 EA Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC).....	15.82	3.51
28 46 21 33-1943 EA Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC).....	15.82	3.51
28 46 21 33-1944 Wall Mounted Speakers <small>(28 46 21 33-1813)</small>		
28 46 21 33-1945 EA 24 VDC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V).....	251.81	26.31
28 46 21 33-1946 EA Red, Wall Mounted Speaker (System Sensor SPR).....	83.92	26.31
28 46 21 33-1947 EA Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK).....	125.01	26.31
28 46 21 33-1948 EA Replacement Unit, Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R).....	107.23	29.81
28 46 21 33-1949 EA Red, High dB, Wall Mounted Speaker (System Sensor SPRV).....	92.75	26.31
28 46 21 33-1950 EA White, Wall Mounted Speaker (System Sensor SPW).....	83.81	26.31
28 46 21 33-1951 EA White, Outdoor, Wall Mounted Speaker (System Sensor SPWK).....	132.03	29.81
28 46 21 33-1952 EA White, High dB, Wall Mounted Speaker (System Sensor SPWV).....	92.61	26.31
28 46 21 33-1953 Ceiling Mounted Speakers <small>(28 46 21 33-1813)</small>		
28 46 21 33-1954 EA Red, Ceiling Mounted Speaker (System Sensor SPCR).....	83.92	26.31
28 46 21 33-1955 EA Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK).....	125.27	26.31
28 46 21 33-1956 EA Red, High dB, Ceiling Mounted Speaker (System Sensor SPCRV).....	92.75	26.31
28 46 21 33-1957 EA White, Ceiling Mounted Speaker (System Sensor SPCW).....	83.81	26.31
28 46 21 33-1958 EA White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV).....	92.61	26.31
28 46 21 33-1959 EA White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK).....	132.03	29.81
28 46 21 33-1960 Wall Mounted Speakers/Strobes <small>(28 46 21 33-1813)</small>		
28 46 21 33-1961 EA White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSW).....	93.54	8.76
28 46 21 33-1962 EA White Speaker Strobe Expander Plate Backbox Skirt (System Sensor SPSEP-BBSW).....	44.74	8.76
28 46 21 33-1963 EA Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSR).....	134.50	26.31
28 46 21 33-1964 EA Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH).....	143.34	26.31
28 46 21 33-1965 EA Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK).....	191.30	29.81
28 46 21 33-1966 EA Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P).....	190.83	29.81
28 46 21 33-1967 EA Replacement Unit, Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R).....	162.03	29.81
28 46 21 33-1968 EA Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSR-P).....	134.21	26.31
28 46 21 33-1969 EA Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV).....	138.52	26.31

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1970 EA White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW-ALERT).....	151.81	26.31
28 46 21 33-1971 EA White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT).....	194.03	29.81
28 46 21 33-1972 EA White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW).....	134.21	26.31
28 46 21 33-1973 EA White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH).....	143.01	26.31
28 46 21 33-1974 EA White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P).....	143.01	26.31
28 46 21 33-1975 EA White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK).....	190.83	29.81
28 46 21 33-1976 EA White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P).....	190.83	29.81
28 46 21 33-1977 EA White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW-P).....	134.21	26.31
28 46 21 33-1978 EA White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV).....	138.21	26.31
28 46 21 33-1979 EA White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P).....	138.21	26.31
28 46 21 33-1980 Ceiling Mounted Speakers/Strobes (28 46 21 33-1813)		
28 46 21 33-1981 EA Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCR).....	134.50	26.31
28 46 21 33-1982 EA Red, Selectable Candela (135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH).....	144.94	26.31
28 46 21 33-1983 EA Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV).....	138.52	26.31
28 46 21 33-1984 EA White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW).....	134.21	26.31
28 46 21 33-1985 EA White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW-CLR-ALERT).....	144.61	26.31
28 46 21 33-1986 EA White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH).....	143.01	26.31
28 46 21 33-1987 EA White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK).....	193.23	29.81
28 46 21 33-1988 EA White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P).....	143.01	26.31
28 46 21 33-1989 EA White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT).....	194.03	29.81
28 46 21 33-1990 EA White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK).....	190.83	29.81
28 46 21 33-1991 EA White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW-P).....	134.21	26.31
28 46 21 33-1992 EA White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV).....	138.21	26.31
28 46 21 33-1993 EA White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH).....	143.01	26.31
28 46 21 33-1994 EA White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P).....	138.21	26.31
28 46 21 33-1995 EA High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH).....	143.87	26.31
28 46 21 33-1996 Electric Alarm Bells (28 46 21 33-1813)		
28 46 21 33-1997 EA 6" Alarm Bell (System Sensor SSM24-6).....	101.41	26.31
28 46 21 33-1998 EA 8" Alarm Bell (System Sensor SSM24-8).....	110.21	26.31
28 46 21 33-1999 EA 10" Alarm Bell (System Sensor SSM24-10).....	131.48	26.31
28 46 21 33-2000 Device Bases (28 46 21 33-1813)		
28 46 21 33-2001 EA High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S).....	79.14	8.76
28 46 21 33-2002 EA Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR).....	77.14	8.76
28 46 21 33-2003 EA Intelligent Isolator Base (System Sensor B224BI).....	63.34	8.76
28 46 21 33-2004 EA Intelligent Relay Base (System Sensor B224RB).....	64.34	8.76
28 46 21 33-2005 EA Flangeless, Intelligent Detector Base (System Sensor B501).....	35.74	8.76
28 46 21 33-2006 Boxes, Plates And Decals (28 46 21 33-1813)		
28 46 21 33-2007 EA Two Wire, Flanged, 12/24 VDC, Low-Profile, Adapter Base (System Sensor B110LP).....	30.74	8.76
28 46 21 33-2008 EA Four Wire, Form A And C, 24 VDC Low-Profile, Adapter Base (System Sensor B112LP).....	59.85	10.52
28 46 21 33-2009 EA Conventional Flanged Mounting Base (System Sensor B210LP).....	29.54	8.76
28 46 21 33-2010 EA 120 VAC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K).....	58.34	8.76
28 46 21 33-2011 EA Red, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBB).....	51.14	8.76
28 46 21 33-2012 EA White, Ceiling Mounted, Metal, Weatherproof Backbox (System Sensor MWBBCW).....	56.74	8.76
28 46 21 33-2013 EA White, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBBW).....	51.14	8.76
28 46 21 33-2014 EA Red Retrofit Plate (System Sensor RFP).....	24.60	5.26
28 46 21 33-2015 EA White Retrofit Plate (System Sensor RFPW).....	24.60	5.26
28 46 21 33-2016 EA Red, Wall Mounted, Weatherproof Backbox (System Sensor SA-WBB).....	43.14	8.76
28 46 21 33-2017 EA Red, Ceiling Mounted, Weatherproof Backbox (System Sensor SA-WBBC).....	44.34	8.76
28 46 21 33-2018 EA Red, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBRC).....	36.34	8.76



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28 46 21 33-2019 EA White, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCW)	36.34	8.76
28 46 21 33-2020 EA Red, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBR)	30.74	8.76
28 46 21 33-2021 EA Red, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPR)	34.74	8.76
28 46 21 33-2022 EA White, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPW)	34.74	8.76
28 46 21 33-2023 EA White, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBW)	30.74	8.76
28 46 21 33-2024 EA Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500)	30.34	8.76
28 46 21 33-2025 EA Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600)	30.34	8.76
28 46 21 33-2026 EA Red, Wall Mounted, Trim Ring (System Sensor TR)	12.86	3.51
28 46 21 33-2027 EA Red, Ceiling Mounted, Trim Ring (System Sensor TRC)	12.86	3.51
28 46 21 33-2028 EA White, Ceiling Mounted, Trim Ring (System Sensor TRCW)	12.86	3.51
28 46 21 33-2029 EA Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS)	10.98	3.51
28 46 21 33-2030 EA White, Wall Mounted, Trim Ring (System Sensor TRW)	12.86	3.51
28 46 21 33-2031 EA Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R)	16.78	
28 46 21 33-2032 EA Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC)	23.48	
28 46 21 33-2033 EA White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W)	16.78	
28 46 21 33-2034 EA White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC)	23.48	
28 46 21 33-2035 Chimes <small>(28 46 21 33-1813)</small>		
28 46 21 33-2036 EA Red, 12/24 VDC, Ceiling Or Wall Mounted Chime (System Sensor CHR)	88.61	26.31
28 46 21 33-2037 EA White, 12/24 VDC, Ceiling Or Wall Mounted Chime (System Sensor CHW)	88.61	26.31
28 46 21 33-2038 Chime/Strobes <small>(28 46 21 33-1813)</small>		
28 46 21 33-2039 EA Red, 15, 15/75, 30, 75, 110 Multi-Candela, 24 VDC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSR)	163.81	26.31
28 46 21 33-2040 EA White, 15, 15/75, 30, 75, 110 Multi-Candela, 24 VDC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSW)	163.81	26.31
28 46 21 33-2041 Carbon Monoxide Detectors <small>(28 46 21 33-1813)</small>		
28 46 21 33-2042 EA Conventional Carbon Monoxide Detector (System Sensor CO1224)	171.71	35.07
28 46 21 33-2043 EA Round, Sounder And Trouble Relay With Test Function, 12/24 VDC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR)	153.81	26.31
28 46 21 33-2044 EA CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE)	10.22	3.51
28 46 21 33-2045 Switches <small>(28 46 21 33-1813)</small>		
28 46 21 33-2046 EA SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1)	132.85	14.03
28 46 21 33-2047 EA Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2)	148.85	14.03
28 46 21 33-2048 EA SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1)	132.85	14.03
28 46 21 33-2049 EA Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2)	148.85	14.03
28 46 21 33-2050 EA Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2)	136.05	14.03
28 46 21 33-2051 EA Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2)	128.05	14.03
28 46 21 33-2052 Low Frequency Sounders <small>(28 46 21 33-1813)</small>		
28 46 21 33-2053 EA Red, Low Frequency Sounder (System Sensor HR-LF)	115.01	26.31
28 46 21 33-2054 EA White, Low Frequency Sounder (System Sensor HW-LF)	115.01	26.31
28 46 21 33-2055 Sync Modules <small>(28 46 21 33-1813)</small>		
28 46 21 33-2056 EA Red, 12/24 VDC, Sync Module (System Sensor MDL3R)	103.07	17.54
28 46 21 33-2057 EA White, 12/24 VDC, Sync Module (System Sensor MDL3W)	103.07	17.54
28 46 21 33-2058 Relays <small>(28 46 21 33-1813)</small>		
28 46 21 33-2059 EA Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E)	57.41	14.03
28 46 21 33-2060 EA SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T)	37.06	8.76
28 46 21 33-2061 EA 4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E)	111.94	8.76
28 46 21 33-2062 EA 4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T)	81.74	8.76
28 46 21 33-2063 EA Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E)	61.97	14.03
28 46 21 33-2064 EA DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T)	38.34	8.76
28 46 21 33-2065 EA 4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E)	126.34	8.76
28 46 21 33-2066 EA 4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T)	93.54	8.76
28 46 21 33-2067 EA 18 To 35 VDC, 18 To 35 VAC, 120 VAC, SPDT Multivoltage Relay (System Sensor PR-1)	31.94	8.76
28 46 21 33-2068 EA 10 To 40 VDC, SPDT Multivoltage Relay (System Sensor PR-2)	31.94	8.76
28 46 21 33-2069 EA Redundant Power Input, 10 To 40 VDC, SPDT Multivoltage Relay (System Sensor PR-3)	31.94	8.76
28 46 21 33-2070 Wheelock Fire Alarm <small>(28 46 21 33)</small>		
28 46 21 33-2071 Ceiling Mounted Chimes/Strobes <small>(28 46 21 33-2070)</small>		
28 46 21 33-2072 EA White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 VDC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW)	191.81	26.31
28 46 21 33-2073 Wall Mounted Chimes/Strobes <small>(28 46 21 33-2070)</small>		
28 46 21 33-2074 EA Red, Selectable Candela (15, 30, 75, 110 Candela), 24 VDC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR)	191.81	26.31

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-2075 EA White, Selectable Candela (15, 30, 75, 110 Candela), 24 VDC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW).....	191.81	26.31
28 46 21 33-2076 Ceiling Mounted Horns/Strobes (28 46 21 33-2070)		
28 46 21 33-2077 EA Red, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC)	117.41	26.31
28 46 21 33-2078 EA White, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC)	117.41	26.31
28 46 21 33-2079 Wall Mounted Horns/Strobes (28 46 21 33-2070)		
28 46 21 33-2080 EA Red, Weatherproof, 24 VDC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR).....	126.21	26.31
28 46 21 33-2081 EA Red, 24 VDC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR)	143.81	26.31
28 46 21 33-2082 EA Red, 24 VDC, Selectable Candela (15,,30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)	133.41	26.31
28 46 21 33-2083 EA White, 24 VDC, Selectable Candela (15,,30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW).....	133.41	26.31
28 46 21 33-2084 EA Red, Flush, 24 VAC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR).....	136.61	26.31
28 46 21 33-2085 EA Red, 24 VAC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR).....	130.61	26.31
28 46 21 33-2086 EA Red, 115 VAC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR)	130.21	26.31
28 46 21 33-2087 EA Red, Weatherproof, 24 VDC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR)	146.83	29.81
28 46 21 33-2088 EA Red, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR)	117.81	26.31
28 46 21 33-2089 EA White, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW).....	117.81	26.31
28 46 21 33-2090 Ceiling Mounted Strobes (28 46 21 33-2070)		
28 46 21 33-2091 EA Red, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR)	104.21	26.31
28 46 21 33-2092 EA White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW).....	104.21	26.31
28 46 21 33-2093 EA Red, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC).....	106.21	26.31
28 46 21 33-2094 EA White, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC)	106.21	26.31
28 46 21 33-2095 Wall Mounted Strobes (28 46 21 33-2070)		
28 46 21 33-2096 EA Red, Multi-Candela, 24 VDC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR).....	164.61	26.31
28 46 21 33-2097 EA Red, Retrofit Plate, 12 VDC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR)	132.61	26.31
28 46 21 33-2098 EA Red, 24 VDC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR)	115.81	26.31
28 46 21 33-2099 EA Red, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR)	107.81	26.31
28 46 21 33-2100 EA White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW).....	107.81	26.31
28 46 21 33-2101 EA Red, Retrofit Plate, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR)	119.41	26.31
28 46 21 33-2102 EA Outdoor, Red, 24 VDC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR).....	122.03	29.81
Note: Requires WPSBB-R.		
28 46 21 33-2103 EA Red, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Strobe (Wheelock STR)	106.21	26.31
28 46 21 33-2104 EA White, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Strobe (Wheelock STW).....	106.21	26.31
28 46 21 33-2105 Ceiling Mounted Speakers/Strobes (28 46 21 33-2070)		
28 46 21 33-2106 EA Red, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR).....	142.21	26.31
28 46 21 33-2107 EA White, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW)	142.21	26.31
28 46 21 33-2108 EA White, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW)	140.61	26.31
28 46 21 33-2109 EA White, 24 VDC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW)	142.21	26.31
28 46 21 33-2110 EA White, 24 VDC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW).....	152.21	26.31
28 46 21 33-2111 EA White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW)	155.81	26.31
28 46 21 33-2112 Wall Mounted Speakers/Strobes (28 46 21 33-2070)		
28 46 21 33-2113 EA Red, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR).....	157.41	26.31
28 46 21 33-2114 EA White, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW)	157.41	26.31
28 46 21 33-2115 EA Red, 24 VDC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCC-FR)	152.21	26.31
28 46 21 33-2116 EA White, 24 VDC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCC-FW).....	152.21	26.31
28 46 21 33-2117 EA Red, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR).....	142.21	26.31
28 46 21 33-2118 EA White, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW).....	139.01	26.31
28 46 21 33-2119 EA Red, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR)	152.21	26.31
28 46 21 33-2120 EA White, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW).....	152.21	26.31
28 46 21 33-2121 EA Red, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR)	155.81	26.31
28 46 21 33-2122 EA Red, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR).....	142.21	26.31
28 46 21 33-2123 EA White, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW).....	139.01	26.31
28 46 21 33-2124 EA Red, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	152.21	26.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-2125 EA White, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW).....	155.81	26.31
28 46 21 33-2126 EA Red, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR).....	155.81	26.31
28 46 21 33-2127 EA White, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW).....	155.81	26.31
28 46 21 33-2128 EA Weatherproof, Red, 24 VDC, 75 Candela, Wall Mounted Speaker Strobe/(Wheelock ET70WP-2475 W-FR).....	169.63	29.81
Note: Requires weatherproof backbox (IOB).		
28 46 21 33-2129 Electric Alarm Bells (28 46 21 33-2070)		
28 46 21 33-2130 EA 6", 24 VDC, Red, Vibrating Bell (Wheelock 43T-G6-24-R).....	120.21	26.31
28 46 21 33-2131 EA 6", 115 VAC, Red, Vibrating Bell (Wheelock 43T-G6-115-R).....	120.21	26.31
28 46 21 33-2132 EA 10", 115 VAC, Red, Vibrating Bell (Wheelock 43T-G10-115-R).....	157.41	26.31
28 46 21 33-2133 EA 115 VAC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSX10-115-R).....	1,108.43	29.81
28 46 21 33-2134 EA Outdoor, 115 VAC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSXG10-115-R).....	1,755.63	29.81
28 46 21 33-2135 EA Vibrating, Outdoor, 115 VAC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CVXG10-115-R).....	1,639.63	29.81
28 46 21 33-2136 EA 6", ADA, 24 VDC, Red, Motor Bell (Wheelock MB-G6-24-R).....	96.21	26.31
28 46 21 33-2137 EA 10", ADA, 24 VDC, Red, Motor Bell (Wheelock MB-G10-24-R).....	115.01	26.31
28 46 21 33-2138 Horns (28 46 21 33-2070)		
28 46 21 33-2139 EA Two Wire, 24 VDC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non Sync Horn (Wheelock AH-24WP-R).....	84.61	26.31
28 46 21 33-2140 EA Red, Two Wire, 12/24 VDC, Wall Mounted Horn (Wheelock HNR).....	84.21	26.31
28 46 21 33-2141 EA White, Two Wire, 12/24 VDC, Wall Mounted Horn (Wheelock HNW).....	84.21	26.31
28 46 21 33-2142 EA Red, Two Wire, 12/24 VDC, Ceiling Mounted Horn (Wheelock HNR-C).....	84.61	26.31
28 46 21 33-2143 EA White, Two Wire, 12/24 VDC, Ceiling Mounted Horn (Wheelock HNW-C).....	84.61	26.31
28 46 21 33-2144 EA Red, 24 VDC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R).....	71.01	26.31
28 46 21 33-2145 EA White, 24 VDC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W).....	71.01	26.31
28 46 21 33-2146 EA Red, Flush, 12/24 VAC, Horn (Wheelock MT-12/24-R).....	82.61	26.31
28 46 21 33-2147 Speakers (28 46 21 33-2070)		
28 46 21 33-2148 EA Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Mounted Speaker (Wheelock E50-R).....	87.01	26.31
28 46 21 33-2149 EA White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Mounted Speaker (Wheelock E50-W).....	87.01	26.31
28 46 21 33-2150 EA Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Ceiling Mounted Speaker (Wheelock E60-R).....	87.01	26.31
28 46 21 33-2151 EA White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Ceiling Mounted Speaker (Wheelock E60-W).....	85.01	26.31
28 46 21 33-2152 EA Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E70-R).....	87.01	26.31
28 46 21 33-2153 EA White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E70-W).....	87.01	26.31
28 46 21 33-2154 EA Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E90-R).....	87.01	26.31
28 46 21 33-2155 EA White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E90-W).....	87.01	26.31
28 46 21 33-2156 EA Red, Flush Or Surface, Square, 1/8 - 8 Watts, Wall Mounted Speaker (Wheelock ET70-R).....	99.81	26.31
28 46 21 33-2157 EA White, Flush Or Surface, Square, 1/8 - 8 Watts, Wall Mounted Speaker (Wheelock ET70-W).....	99.81	26.31
28 46 21 33-2158 EA White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watts Ceiling Mounted Speaker (Wheelock ET90-W).....	101.41	26.31
28 46 21 33-2159 EA Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watts, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R).....	113.01	26.31
28 46 21 33-2160 EA Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watts, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R).....	107.81	26.31
28 46 21 33-2161 EA Grey, 1 To 15 Watts, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15S).....	211.81	26.31
28 46 21 33-2162 EA Red, 1 To 15 Watts, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15SR).....	211.81	26.31
28 46 21 33-2163 Sync Modules (28 46 21 33-2070)		
28 46 21 33-2164 EA 12 Or 24 VDC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R).....	97.47	17.54
28 46 21 33-2165 Boxes, Plates And Rings (28 46 21 33-2070)		
28 46 21 33-2166 EA 4" Square, Red, Surface Backbox (Wheelock BB-R).....	24.94	8.76
28 46 21 33-2167 EA Standard 4" Square Box (Wheelock BB-STD).....	22.82	8.76
28 46 21 33-2168 EA Black, Backbox For UZC-256 (Wheelock BB-UZC).....	135.87	17.54
28 46 21 33-2169 EA Red, Backbox For UZC-256 (Wheelock BB-UZC-R).....	135.87	17.54
28 46 21 33-2170 EA 9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP).....	100.85	14.03
28 46 21 33-2171 EA Red, Extender Ring For E60 Series (Wheelock E60EXT-R).....	14.02	3.51
28 46 21 33-2172 EA White, Extender Ring For E60 Series (Wheelock E60EXT-W).....	13.82	3.51
28 46 21 33-2173 EA Red, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-R).....	33.14	8.76
28 46 21 33-2174 EA White, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-W).....	31.54	8.76
28 46 21 33-2175 EA Red, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-R).....	33.94	8.76
28 46 21 33-2176 EA White, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-W).....	33.94	8.76
28 46 21 33-2177 EA 4" Square Backbox (Wheelock DBB-R).....	26.74	8.76
28 46 21 33-2178 EA Red, Surface Backbox (Wheelock IOB-R).....	32.34	8.76
28 46 21 33-2179 EA White, Surface, Backbox (Wheelock IOB-W).....	32.34	8.76
28 46 21 33-2180 EA White, Indoor, Surface Extender (Wheelock ISP2-W).....	13.22	3.51
28 46 21 33-2181 EA Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R).....	13.82	3.51
28 46 21 33-2182 EA White, RS/RSS Strobe Trim Plate (Wheelock NATP-W).....	13.82	3.51
28 46 21 33-2183 EA Red Retrofit Plate (Wheelock RP-R).....	16.22	3.51
28 46 21 33-2184 EA 4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4).....	23.82	3.51
28 46 21 33-2185 EA Red, Surface Mounted, Backbox For Chimes, Speakers (Wheelock SBB-R).....	33.94	8.76
28 46 21 33-2186 EA White, Surface Mounted, Backbox For Chimes, Speaker (Wheelock SBB-W).....	33.94	8.76
28 46 21 33-2187 EA Red, Surface Mounted, Backbox For With RSSP (Wheelock SBL2-R).....	36.94	8.76
28 46 21 33-2188 EA Red, Semi-Flush Plate (Wheelock SFB-R).....	14.42	3.51
28 46 21 33-2189 EA White, Semi-Flush Plate (Wheelock SFB-W).....	14.42	3.51
28 46 21 33-2190 EA Red, Shallow Surface Mounted, Backbox (Wheelock SHBB-R).....	29.54	8.76
28 46 21 33-2191 EA White, Shallow Surface Mounted, Backbox (Wheelock SHBB-W).....	29.54	8.76

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-2192 EA Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R).....	20.42	3.51
28 46 21 33-2193 EA Red, Weatherproof Backbox (Wheelock WBB).....	43.14	8.76
28 46 21 33-2194 EA Weather Resistant Backbox (Wheelock WBB-R).....	33.94	8.76
28 46 21 33-2195 EA Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R).....	26.42	3.51
28 46 21 33-2196 EA White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W).....	26.42	3.51
28 46 21 33-2197 EA Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFP-A-R).....	26.42	3.51
28 46 21 33-2198 EA White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFP-A-W).....	26.42	3.51
28 46 21 33-2199 EA Gasket Kit For Rear Wiring To Outdoor Backbox (Wheelock WP-KIT).....	14.42	3.51
28 46 21 33-2200 EA Weather Resistant Backbox For ASWP (Wheelock WPBB-R).....	35.94	8.76
28 46 21 33-2201 EA Weather Resistant Backbox For RSSWP (Wheelock WPSBB-R).....	33.94	8.76
28 46 21 33-2202 Fire Alarm Terminal Cabinets (28 46 21 33)		
28 46 21 33-2203 EA 18 Point Lockable Fire Alarm Terminal Cabinet.....	135.85	35.14
28 46 21 33-2204 EA 32 Point Lockable Fire Alarm Terminal Cabinet.....	175.20	35.14
28 46 21 33-2205 EA 64 Point Lockable Fire Alarm Terminal Cabinet.....	253.90	35.14
28 46 21 33-2206 EA 128 Point Lockable Fire Alarm Terminal Cabinet.....	332.57	35.14
28 46 21 33-2207 Fire Alarm Equipment (28 46 21 33)		
28 46 21 33-2208 EA Fire (Red) Keypad (Bosch D1255RB).....	223.79	35.14
28 46 21 33-2209 EA Fire Alarm Communication Alarm Panel (Bosch D7412GV4).....	533.87	140.57
28 46 21 33-2210 EA Fire Alarm (Red) Enclosure (Bosch D8109).....	133.34	26.36
28 46 21 33-2211 EA Dual Phone Line Switcher (Bosch D928).....	102.54	14.05
28 46 21 33-2212 EA Phone Cords (Bosch D161/D162).....	13.23	3.52
28 46 21 33-2213 EA Dual battery Harness (Bosch D122).....	15.65	3.52
28 46 21 33-2214 EA Battery Charging Module (Bosch D8132).....	123.52	14.05
28 46 21 33-2215 EA 7 AH, 12 Volt Battery (Bosch D126).....	42.00	8.78
28 46 21 33-2216 EA Transformer (Bosch D1640).....	17.73	3.52
28 46 21 33-2217 EA Transformer Kit (Bosch D8004).....	57.47	7.03
28 46 21 33-2218 EA Phone Jack, Modular (Bosch D166/RJ31X).....	13.23	3.52
28 49 Electronic Personal Protection Systems (28 40)		
28 49 11 Electronic Personal Safety Detection Systems (28 49)		
28 49 11 00-0001 Personnel Alarm Locating System (28 49 11)		
Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.		
28 49 11 00-0002 EA Personnel Alarm Locating System.....	12,041.82	563.18
Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.		
28 49 11 00-0003 EA Personnel Alarm Transmitters With Lithium Batteries.....	94.60	
28 49 11 00-0004 EA Lapel Reader.....	36.38	
28 49 11 00-0005 EA IR Locator.....	136.75	21.09
28 49 11 00-0006 EA Repeater And Receivers.....	337.05	70.28
28 49 17 Electronic Personal Safety Emergency Aid Devices (28 49)		
28 49 17 00-0001 Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) (28 49 17)		
28 49 17 00-0002 Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling) (28 49 17 00-0001)		
28 49 17 00-0003 EA Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5).....	180.63	42.17
Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).		
28 49 17 00-0004 EA Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5).....	214.17	49.20
Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.		
28 49 17 00-0005 EA Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5).....	215.69	49.20
Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.		
28 49 17 00-0006 Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) (28 49 17 00-0001)		
28 49 17 00-0007 EA High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5).....	132.08	26.36
28 49 17 00-0008 EA High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5).....	127.80	21.09
28 49 17 00-0009 EA Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592).....	61.38	21.09
28 49 17 00-0010 EA 1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5).....	104.22	21.09
28 49 17 00-0011 EA 2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5).....	119.53	21.09
28 49 17 00-0012 EA 4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5).....	135.43	21.09
28 49 17 00-0013 EA 2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2).....	186.52	21.09
28 49 17 00-0014 EA 4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4).....	208.50	21.09
28 49 17 00-0015 Call Activation Devices, Emergency Aid Devices (Edwards Signaling) (28 49 17 00-0001)		



Electronic Safety And Security	28	28
Life Safety	28 40	
Electronic Personal Protection Systems	28 49	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 49 17 00-0016 EA Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537)	80.60	21.09
28 49 17 00-0017 EA Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E)	117.11	21.09
28 49 17 00-0018 EA Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E)	152.36	21.09
28 49 17 00-0019 EA 3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302)	160.45	7.03
28 49 17 00-0020 EA Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930)	120.37	21.09
28 49 17 00-0021 EA Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L)	141.45	21.09
28 49 17 00-0022 EA Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L)	237.51	21.09
28 49 17 00-0023 EA Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620)	114.57	21.09
28 49 17 00-0024 EA Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675)	135.82	7.03
28 49 17 00-0025 EA Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676)	209.39	7.03
28 49 17 00-0026 EA Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685)	213.92	7.03
28 49 17 00-0027 EA Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686)	281.48	7.03

END OF SECTION 28

28 Electronic Safety And Security

28 40 Life Safety

28 49 Electronic Personal Protection Systems



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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Earthwork	31	13
Maintenance of Earthwork	31 01	
Maintenance of Earth Moving	31 01 20	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 Earthwork

31 01 Maintenance of Earthwork ⁽³¹⁾

31 01 20 Maintenance of Earth Moving ^(31 01)

31 01 20 00-0001 Rip Settling Basins ^(31 01 20)

Note: Rip through light soil and sand in settling basin. 8' on center (machine width).

31 01 20 00-0002	ACR Rip Light Soil And Sand, By Dozer	433.74
31 01 20 00-0003	ACR Rip Light Soil And Sand, By Grader With Rear Ripper	658.96
31 01 20 00-0004	ACR Rip Light Soil And Sand, By Rubber Tire Front End Loader	568.12

31 05 Common Work Results For Earthwork ⁽³¹⁾

31 05 13 Soils For Earthwork ^(31 05)

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

31 05 13 00-0001 Fill Material (Loose, Purchased Material) ^(31 05 13)

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

31 05 13 00-0002	CY Sand, Bank Run.....	32.38
	For Up To 10, Add	9.19
	For >10 To 25, Add	3.24
31 05 13 00-0003	CY 3/8" Minus, ASTM C33, Screened/Washed Bedding Sand.....	33.53
	For Up To 10, Add	9.54
	For >10 To 25, Add	3.35
31 05 13 00-0004	CY Native Clean Fill Soil/Dirt - Common	35.41
	For Up To 10, Add	10.10
	For >10 To 25, Add	3.54
31 05 13 00-0005	CY Lime Rock Screening.....	33.46
	For Up To 10, Add	9.52
	For >10 To 25, Add	3.35
31 05 13 00-0006	CY Crushed Lime Rock Maximum 3-1/2"	30.63
	For Up To 10, Add	8.67
	For >10 To 25, Add	3.06
31 05 13 00-0007	CY Asphalt Sand	30.36
	For Up To 10, Add	8.59
	For >10 To 25, Add	3.04
31 05 13 00-0008	CY Lawn Sand.....	24.64
	For Up To 10, Add	6.87
	For >10 To 25, Add	2.46
31 05 13 00-0009	CY Sand/Clay	31.74
	For Up To 10, Add	9.00
	For >10 To 25, Add	3.17
31 05 13 00-0010	CY Recycled Concrete Aggregate.....	65.78
	For Up To 10, Add	19.21
	For >10 To 25, Add	6.58
31 05 13 00-0011	CY Sand Fill, Washed Aggregate	43.09
	For Up To 10, Add	12.41
	For >10 To 25, Add	4.31
31 05 13 00-0012	CY Pond Sand.....	19.70
	For Up To 10, Add	5.39
	For >10 To 25, Add	1.97
31 05 13 00-0013	CY Pitrun Clay.....	25.86
	For Up To 10, Add	7.24
	For >10 To 25, Add	2.59
31 05 13 00-0014	CY Light Clay / Loam.....	36.83
	For Up To 10, Add	10.53
	For >10 To 25, Add	3.68
31 05 13 00-0015	CY Heavy Clay	31.39
	For Up To 10, Add	8.90
	For >10 To 25, Add	3.14

31 05 16 Aggregates For Earthwork ^(31 05)

See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

31 05 16 00-0001 Aggregate (Loose, Purchased Material) ^(31 05 16)

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

31 05 16 00-0002	CY #2 Stone Aggregate Fill (1-1/2" To 2-1/2" Clean).....	52.15
	For Up To 10, Add	15.12
	For >10 To 25, Add	5.22
31 05 16 00-0003	CY #3 Stone Aggregate Fill (1" To 2" Clean).....	44.75
	For Up To 10, Add	12.90
	For >10 To 25, Add	4.48
31 05 16 00-0004	CY #4 Stone Aggregate Fill (3/4" To 1-1/2" Clean).....	45.69
	For Up To 10, Add	13.19
	For >10 To 25, Add	4.57

31 Earthwork
31 05 Common Work Results For Earthwork
31 05 16 Aggregates For Earthwork



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0005 CY #5 Stone Aggregate Fill (1/2" To 1" Clean)	50.14	
For Up To 10, Add	14.52	
For >10 To 25, Add	5.01	
31 05 16 00-0006 CY #6 Stone Aggregate Fill (3/8" To 3/4" Clean)	51.04	
For Up To 10, Add	14.79	
For >10 To 25, Add	5.10	
31 05 16 00-0007 CY #56 Stone Aggregate Fill (3/8" To 1")	52.88	
For Up To 10, Add	15.34	
For >10 To 25, Add	5.29	
31 05 16 00-0008 CY #57 Stone Aggregate Fill (#4 To 1")	53.96	
For Up To 10, Add	15.67	
For >10 To 25, Add	5.40	
31 05 16 00-0009 CY #67 Or #68 Stone Aggregate Fill (#4 To 3/4")	54.98	
For Up To 10, Add	15.97	
For >10 To 25, Add	5.50	
31 05 16 00-0010 CY #7 Stone Aggregate Fill (1/2" To #4)	55.16	
For Up To 10, Add	16.03	
For >10 To 25, Add	5.52	
31 05 16 00-0011 CY #78 Stone Aggregate Fill (#8 To 1/2")	56.99	
For Up To 10, Add	16.58	
For >10 To 25, Add	5.70	
31 05 16 00-0012 CY #8 Stone Aggregate Fill (3/8" x 1/8")	58.82	
For Up To 10, Add	17.13	
For >10 To 25, Add	5.88	
31 05 16 00-0013 CY #89 Stone Aggregate Fill (#16 To 3/8")	59.11	
For Up To 10, Add	17.21	
For >10 To 25, Add	5.91	
31 05 16 00-0014 CY #9 Stone Aggregate Fill (1/4" Clean)	59.40	
For Up To 10, Add	17.30	
For >10 To 25, Add	5.94	
31 05 16 00-0015 CY #10 Stone Aggregate Fill (#8 To 3/4)	62.18	
For Up To 10, Add	18.13	
For >10 To 25, Add	6.22	
31 05 16 00-0016 CY #610 Modified Stone Aggregate Fill (#16 To 3/4")	56.61	
For Up To 10, Add	16.46	
For >10 To 25, Add	5.66	
31 05 16 00-0017 CY Screenings Stone Aggregate Fill	43.07	
For Up To 10, Add	12.40	
For >10 To 25, Add	4.31	
31 05 16 00-0018 CY Stone Aggregate Fill, Random Size, Over 6" To 12"	63.57	
For Up To 10, Add	18.55	
For >10 To 25, Add	6.36	
31 05 16 00-0019 CY Graded Stone Aggregate Fill, Over 6" To 12"	71.56	
For Up To 10, Add	20.95	
For >10 To 25, Add	7.16	
31 05 16 00-0020 CY Surge Stone Aggregate Fill (3" To 7" Random)	54.86	
For Up To 10, Add	15.94	
For >10 To 25, Add	5.49	
31 05 16 00-0021 CY Surge Stone Graded Aggregate Fill (3" To 7")	65.47	
For Up To 10, Add	19.12	
For >10 To 25, Add	6.55	
31 05 16 00-0022 CY Crusher Run Aggregate Fill (2-1/2" Minus)	51.89	
For Up To 10, Add	15.05	
For >10 To 25, Add	5.19	
31 05 16 00-0023 CY Crusher Run Aggregate Fill (1-1/2" Minus)	50.07	
For Up To 10, Add	14.50	
For >10 To 25, Add	5.01	
31 05 16 00-0024 CY Crusher Run Aggregate Fill (3/4" Minus)	43.85	
For Up To 10, Add	12.63	
For >10 To 25, Add	4.39	
31 05 16 00-0025 CY Miscellaneous Crushed Base, Processed Concrete, Paving	34.30	
For Up To 10, Add	9.77	
For >10 To 25, Add	3.43	

31 05 36 Equipment Delivery, Pickup, Mobilization And Demobilization ⁽³¹⁾

⁽⁰⁵⁾
See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing ⁽³¹⁾

31 11 Clearing And Grubbing ^(31 10)

31 11 00 00-0001 Clear And Grub Roots And Stumps ^(31 11)

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002 ACR Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip	5,243.46
Note: Includes grub and removal of stump	
31 11 00 00-0003 ACR Clear And Grub Light Stumps Only Up To 6" Diameter	1,383.55
31 11 00 00-0004 ACR Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip	6,117.38
Note: Includes grub and removal of stump	
31 11 00 00-0005 ACR Clear And Grub Medium Stumps Only Up To 10" Diameter	2,305.92
31 11 00 00-0006 ACR Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip	6,951.56
Note: Includes grub and removal of stump	



Earthwork	31	13
Site Clearing	31 10	
Clearing And Grubbing	31 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 11 00 00-0007 ACR Clear And Grub Heavy Stumps Only Up To 16" Diameter.....	2,620.67	
31 11 00 00-0008 ACR Clearing By Machine - Light Brush Without Grub	204.09	
31 11 00 00-0009 ACR Clearing By Machine - Medium Brush Without Grub	431.88	
31 11 00 00-0010 ACR Clearing By Machine - Heavy Brush Without Grub	608.86	
31 11 00 00-0011 ACR Chipping - Light Brush	1,631.59	
31 11 00 00-0012 ACR Chipping - Medium Brush	2,097.86	
31 11 00 00-0013 ACR Chipping - Heavy Brush	2,937.28	
31 11 00 00-0014 Loading Of Cleared And Grubbed Material (31 11)		
See CSI section 01 74 19 00-0034 for hauling.		
31 11 00 00-0015 CY Machine Loading Of Cleared And Grubbed Material	7.25	
31 11 00 00-0016 CY Chute Loading Of Cleared And Grubbed Material	8.71	
31 11 00 00-0017 CY Hand Loading Of Cleared And Grubbed Material	23.82	
31 11 00 00-0018 CY Wheel And Ramp Loading Of Cleared And Grubbed Material.....	18.71	
31 13 Selective Tree And Shrub Removal And Trimming (31 10)		
31 13 13 Selective Tree And Shrub Removal (31 13)		
31 13 13 00-0001 Individual Tree Removal (31 13 13)		
Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.		
31 13 13 00-0002 EA Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal.....	382.34	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0003 EA >6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal	573.50	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0004 EA >12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal	764.67	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0005 EA >24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal	1,147.00	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0006 EA >36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal	1,529.34	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0007 Stump Removal (31 13 13)		
Note: Measured by diameter of stump.		
31 13 13 00-0008 Stump Removal By Machine (31 13 13 00-0007)		
31 13 13 00-0009 EA Up To 6" Diameter Stump Removal	69.18	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0010 EA >6" To 12" Diameter Stump Removal	132.59	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0011 EA >12" To 24" Diameter Stump Removal	172.94	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0012 EA >24" To 36" Diameter Stump Removal	259.42	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0013 EA >36" To 48" Diameter Stump Removal	305.55	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0014 Stump Removal By Hand (31 13 13 00-0007)		
31 13 13 00-0015 EA Up To 6" Diameter Stump Removal By Hand	392.83	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0016 EA >6" To 12" Diameter Stump Removal By Hand	491.04	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0017 EA >12" To 24" Diameter Stump Removal By Hand	720.20	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0018 EA >24" To 36" Diameter Stump Removal By Hand	982.07	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0019 EA >36" To 48" Diameter Stump Removal By Hand	1,309.44	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0020 Stump Grinding (31 13 13)		
Note: Measured by diameter of stump.		
31 13 13 00-0021 Stump Grinding, 18" Deep Below Surface Of Soil (31 13 13 00-0020)		
Note: Level soil to match existing surface area.		
31 13 13 00-0022 EA Stump Grinding Up To 6" Tree	73.37	
For 24" Depth, Add	14.67	
31 13 13 00-0023 EA Stump Grinding >6" To 12" Tree.....	97.82	
For 24" Depth, Add	19.56	
31 13 13 00-0024 EA Stump Grinding >12" To 15" Tree.....	110.04	
For 24" Depth, Add	22.01	
31 13 13 00-0025 EA Stump Grinding >15" To 18" Tree.....	122.27	
For 24" Depth, Add	24.45	

31 Earthwork**31 10 Site Clearing****31 13 Selective Tree And Shrub Removal And Trimming**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0026	EA		Stump Grinding >18" To 21" Tree.....	131.44	
			<i>For 24" Depth, Add</i>	26.29	
31 13 13 00-0027	EA		Stump Grinding >21" To 24" Tree.....	140.61	
			<i>For 24" Depth, Add</i>	28.12	
31 13 13 00-0028	EA		Stump Grinding >24" To 27" Tree.....	152.84	
			<i>For 24" Depth, Add</i>	30.57	
31 13 13 00-0029	EA		Stump Grinding >27" To 30" Tree.....	167.08	
			<i>For 24" Depth, Add</i>	33.42	
31 13 13 00-0030	EA		Stump Grinding >30" To 33" Tree.....	185.65	
			<i>For 24" Depth, Add</i>	37.13	
31 13 13 00-0031	EA		Stump Grinding >33" To 36" Tree.....	198.03	
			<i>For 24" Depth, Add</i>	39.61	
31 13 13 00-0032	EA		Stump Grinding >36" To 42" Tree.....	222.78	
			<i>For 24" Depth, Add</i>	44.56	
31 13 13 00-0033	EA		Stump Grinding >42" To 48" Tree.....	247.53	
			<i>For 24" Depth, Add</i>	49.51	
31 13 13 00-0034			Shrub Removal <small>(31 13 13)</small>		
31 13 13 00-0035	EA		Removal Of 18" To 24" Shrub, Broadleaf Evergreen.....	28.57	
31 13 13 00-0036	EA		Removal Of 2' To 3' Shrub, Broadleaf Evergreen.....	44.80	
31 13 13 00-0037	EA		Removal Of 3' To 4' Shrub, Broadleaf Evergreen.....	51.95	
31 13 13 00-0038	EA		Removal Of 4' To 5' Shrub, Broadleaf Evergreen.....	77.92	
31 13 13 00-0039	EA		Removal Of 12" To 15" Shrub, Deciduous.....	14.28	
31 13 13 00-0040	EA		Removal Of 18" To 24" Shrub, Deciduous.....	22.08	
31 13 13 00-0041	EA		Removal Of 2' To 3' Shrub, Deciduous.....	28.57	
31 13 13 00-0042	EA		Removal Of 3' To 4' Shrub, Deciduous.....	31.17	
31 13 13 00-0043	EA		Removal Of 18" To 24" Shrub, Evergreen.....	28.57	
31 13 13 00-0044	EA		Removal Of 24" To 30" Shrub, Evergreen.....	31.17	
31 13 13 00-0045	EA		Removal Of 30" To 36" Shrub, Evergreen.....	44.80	
31 13 13 00-0046	EA		Removal Of 36" To 42" Shrub, Evergreen.....	77.92	
31 13 16			Selective Tree And Shrub Trimming <small>(31 13)</small>		
31 13 16 00-0001			Tree Trimming For Pole Line Construction And Maintenance <small>(31 13 16)</small>		
			Note: Area to be vertical cleared (to include overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.		
31 13 16 00-0002	LF		Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction.....	1.22	
31 13 16 00-0003	LF		Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction.....	1.83	
31 13 16 00-0004	LF		Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction.....	2.16	
31 20			Earth Moving <small>(31)</small>		
			Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less than 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition. Shrink/Swell factor example calculation: You excavate 1 CY of earth (in-place (bank), top row of table). That produces a pile 1.25CY (loose, 3170/2536) big. You put something in the trench like a small wire with no bedding material. You need 1.388CY (compacted, 3520/2536) to backfill and compact. If you put in a pipe and/or sand bedding you have to reduce the backfill volume by that amount.		
31 23			Excavation And Fill <small>(31 20)</small>		
31 23 16			Excavation <small>(31 23)</small>		
31 23 16 13			Trenching <small>(31 23 16)</small>		
			Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.		
31 23 16 13-0001			Excavation For Trenching By Machine <small>(31 23 16 13)</small>		
			Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		
31 23 16 13-0002	CY		12" Wide or Less, Excavation for Trenching by Machine in Soil.....	7.05	
			<i>For Excavation In Light Material (Class A), Deduct</i>	-0.88	
			<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	2.82	
			<i>For Up To 20, Add</i>	5.64	
			<i>For >20 To 50, Add</i>	3.53	
			<i>For >50 To 250, Add</i>	1.76	
			<i>For >500 To 1,000, Deduct</i>	-1.06	
			<i>For >1,000, Deduct</i>	-2.12	



Earthwork	31	15
Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0003 CY Over 12" Wide, Excavation for Trenching by Machine in Soil.....	4.67	
For Excavation In Light Material (Class A), Deduct	-0.58	
For Excavation In Heavy/Wet Material (Class C), Add	1.87	
For Up To 20, Add	3.74	
For >20 To 50, Add	2.34	
For >50 To 250, Add	1.17	
For >500 To 1,000, Deduct	-0.70	
For >1,000, Deduct	-1.40	
31 23 16 13-0004 CY 12" Wide or Less, Excavation for Trenching by Machine in Loose Rock.....	11.66	
For Up To 20, Add	9.33	
For >20 To 50, Add	5.83	
For >50 To 250, Add	2.92	
For >500 To 1,000, Deduct	-1.75	
For >1,000, Deduct	-3.50	
31 23 16 13-0005 CY Over 12" Wide, Excavation for Trenching by Machine in Loose Rock.....	8.31	
For Up To 20, Add	6.65	
For >20 To 50, Add	4.16	
For >50 To 250, Add	2.08	
For >500 To 1,000, Deduct	-1.25	
For >1,000, Deduct	-2.49	
31 23 16 13-0006 Excavation For Trenching By Hand <small>(31 23 16 13)</small>		
31 23 16 13-0007 CY Excavation For Trenching By Hand In Soil	78.58	
Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		
31 23 16 13-0008 CY Excavation For Trenching By Hand In Loose Rock	134.80	
Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		
31 23 16 13-0009 Backfilling Or Placing Subbase For Trenches <small>(31 23 16 13)</small>		
Note: With imported or stockpiled materials.		
31 23 16 13-0010 CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine.....	2.49	
For Up To 20, Add	1.99	
For >20 To 50, Add	1.25	
For >50 To 250, Add	0.62	
For >500 To 1,000, Deduct	-0.37	
For >1,000, Deduct	-0.75	
31 23 16 13-0011 CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand.....	21.83	
31 23 16 13-0012 Compaction Of Fill Or Subbase For Trenches <small>(31 23 16 13)</small>		
Note: Includes restoration of final grade.		
31 23 16 13-0013 CY Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera.....	4.57	
For Up To 20, Add	3.66	
For >20 To 50, Add	2.29	
For >50 To 250, Add	1.14	
For >500 To 1,000, Deduct	-0.69	
For >1,000, Deduct	-1.37	
31 23 16 13-0014 CY Compaction of Fill or Subbase for Trenches by Hand	24.62	
31 23 16 13-0015 Loading Excess Material For Removal From Excavation For Trenches <small>(31 23 16 13)</small>		
Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.		
31 23 16 13-0016 CY Load Excess Material by Machine for Removal from Excavation for Trenching	4.34	
For Up To 20, Add	3.47	
For >20 To 50, Add	2.17	
For >50 To 250, Add	1.09	
For >500 To 1,000, Deduct	-0.65	
For >1,000, Deduct	-1.30	
31 23 16 13-0017 CY Load Excess Material by Hand for Removal from Excavation for Trenching	57.63	
31 23 16 13-0018 Spread Excess Or Imported Material For Trenches <small>(31 23 16 13)</small>		
Note: Includes hand work by laborer for clean-up.		
31 23 16 13-0019 CY Spread Excess Or Imported Material On Site With Machine	2.08	
For Up To 20, Add	1.66	
For >20 To 50, Add	1.04	
For >50 To 250, Add	0.52	
For >500 To 1,000, Deduct	-0.31	
For >1,000, Deduct	-0.62	
31 23 16 13-0020 Direct Burial (Plowed-in) Cable Or Piping By Machine <small>(31 23 16 13)</small>		
Note: Includes trench, backfill, compaction and restoration of final grade.		
31 23 16 13-0021 LF Direct Burial of Cable or Piping up to 12" Deep	1.56	
31 23 16 13-0022 LF Direct Burial of Cable or Piping >12" to 24" Deep.....	1.72	
31 23 16 13-0023 LF Direct Burial of Cable or Piping >24" to 36" Deep.....	2.45	
31 23 16 13-0024 LF Direct Burial of Cable or Piping >36" to 48" Deep.....	2.77	
31 23 16 13-0025 Utility Chain Trencher <small>(31 23 16 13)</small>		

31 Earthwork**31 20 Earth Moving****31 23 Excavation And Fill**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 23 16 13-0026	Utility Trench, Chain Trencher <small>(31 23 16 13-0025)</small>	
	Note: Earth left adjacent to trench.	
31 23 16 13-0027	LF 4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	0.85
31 23 16 13-0028	LF 4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	0.92
31 23 16 13-0029	LF 4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	0.96
31 23 16 13-0030	LF 6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.01
31 23 16 13-0031	LF 6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.11
31 23 16 13-0032	LF 6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	1.26
31 23 16 13-0033	LF 6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	1.52
31 23 16 13-0034	LF 8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.44
31 23 16 13-0035	LF 8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.69
31 23 16 13-0036	LF 8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	1.92
31 23 16 13-0037	LF 8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	2.28
31 23 16 13-0038	Backfill Trenches With Compaction <small>(31 23 16 13-0025)</small>	
31 23 16 13-0039	LF Backfill 4" Wide, 12" Deep Trench, With Compaction	0.13
31 23 16 13-0040	LF Backfill 4" Wide, 18" Deep Trench, With Compaction	0.20
31 23 16 13-0041	LF Backfill 4" Wide, 24" Deep Trench, With Compaction	0.27
31 23 16 13-0042	LF Backfill 6" Wide, 12" Deep Trench, With Compaction	0.20
31 23 16 13-0043	LF Backfill 6" Wide, 18" Deep Trench, With Compaction	0.27
31 23 16 13-0044	LF Backfill 6" Wide, 24" Deep Trench, With Compaction	0.41
31 23 16 13-0045	LF Backfill 6" Wide, 36" Deep Trench, With Compaction	0.59
31 23 16 13-0046	LF Backfill 8" Wide, 12" Deep Trench, With Compaction	0.27
31 23 16 13-0047	LF Backfill 8" Wide, 18" Deep Trench, With Compaction	0.41
31 23 16 13-0048	LF Backfill 8" Wide, 24" Deep Trench, With Compaction	0.55
31 23 16 13-0049	LF Backfill 8" Wide, 36" Deep Trench, With Compaction	0.83
31 23 16 33	Bulk Excavation <small>(31 23 16)</small>	
	Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material.	
31 23 16 33-0001	Excavation <small>(31 23 16 33)</small>	
	Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.	
31 23 16 33-0002	CY Bulk Excavation by Dozer in Soil	6.51
	For Excavation In Light Material (Class A), Deduct	-0.81
	For Excavation In Heavy/Wet Material (Class C), Add	2.60
	For >1,000, Deduct	-0.98
31 23 16 33-0003	CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	3.77
	For Excavation In Light Material (Class A), Deduct	-0.47
	For Excavation In Heavy/Wet Material (Class C), Add	1.51
	For >1,000, Deduct	-0.57
31 23 16 33-0004	CY Bulk Excavation by Dozer in Loose Rock	8.00
	For >1,000, Deduct	-1.20
31 23 16 33-0005	CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock	4.65
	For >1,000, Deduct	-0.70
31 23 16 33-0006	Spreading, Shaping And Rough Grading <small>(31 23 16 33)</small>	
	Note: Imported or stockpiled material for bulk excavation.	
31 23 16 33-0007	CY Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine	4.01
	For >1,000, Deduct	-0.60
31 23 16 33-0008	Cutting, Shaping and Rough Grading Of Existing Elevations <small>(31 23 16 33)</small>	
	Note: For bulk excavation.	
31 23 16 33-0009	CY Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine	4.46
	For >1,000, Deduct	-0.67
31 23 16 33-0010	Relocating On Site Excavated Material From Excavation <small>(31 23 16 33)</small>	
	Note: For bulk excavation.	
31 23 16 33-0011	CY Relocating On Site Excavated Material From Bulk Excavation >100' to 300'	3.57
	For >1,000, Deduct	-0.54
31 23 16 33-0012	CY Relocating On Site Excavated Material From Bulk Excavation >300' to 500'	5.35
	For >1,000, Deduct	-0.80
31 23 16 33-0013	CY Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	8.03
	For >1,000, Deduct	-1.20
31 23 16 33-0014	CY Relocating On Site Excavated Material From Bulk Excavation >1,000'	10.71
	For >1,000, Deduct	-1.61
31 23 16 33-0015	Finish Grading <small>(31 23 16 33)</small>	
	Note: For bulk excavation.	
31 23 16 33-0016	SY Finish Grading for Bulk Excavation by Machine	0.44
31 23 16 33-0017	Compaction Of Fill Or Subbase, Per Lift <small>(31 23 16 33)</small>	
	Note: For bulk excavation.	
31 23 16 33-0018	SY Compaction of Fill or Subbase for Bulk Excavation by Machine	0.45
	Note: Per Lift	



Earthwork	31	15
Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 33-0019 Loading Excess Material For Removal From Excavation <small>(31 23 16 33)</small> Note: For bulk excavation. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.		
31 23 16 33-0020 CY Loading Excess Material For Removal From Bulk Excavation..... <i>For >1,000, Deduct</i>	3.76 -0.56	
31 23 16 36 Excavation For Building Foundations And Other Structures <small>(31 23 16)</small> Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.		
31 23 16 36-0001 Excavation <small>(31 23 16 36)</small> Note: For building foundations and other structures by machine. Includes stockpiling excess materials within 100' of point of excavation, shaping, trimming and rough grading excavation.		
31 23 16 36-0002 Excavation For Building Foundations And Other Structures By Skid-Steer Loader <small>(31 23 16 36-0001)</small>		
31 23 16 36-0003 CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil <i>For Excavation In Light Material (Class A), Deduct</i> <i>For Excavation In Heavy/Wet Material (Class C), Add</i> <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	5.86 -0.73 2.34 5.86 4.40 2.34 0.88	
31 23 16 36-0004 CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	7.20 7.20 5.40 2.88 1.08	
31 23 16 36-0005 Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader <small>(31 23 16 36-0001)</small>		
31 23 16 36-0006 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil <i>For Excavation In Light Material (Class A), Deduct</i> <i>For Excavation In Heavy/Wet Material (Class C), Add</i> <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	4.53 -0.57 1.81 4.53 3.40 1.81 0.68	
31 23 16 36-0007 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	5.39 5.39 4.04 2.16 0.81	
31 23 16 36-0008 Excavation For Building Foundations And Other Structures By Hand <small>(31 23 16 36-0001)</small> Note: For areas not accessible by machine and only with owner's approval.		
31 23 16 36-0009 CY Excavation For Building Foundations And Other Structures By Hand in Soil <i>For Excavation In Light Material (Class A), Deduct</i> <i>For Excavation In Heavy/Wet Material (Class C), Add</i>	78.58 -9.82 31.43	
31 23 16 36-0010 CY Excavation For Building Foundations And Other Structures By Hand in Loose Rock.....	134.80	
31 23 16 36-0011 Relocating On Site Excavated Material From Excavation <small>(31 23 16 36)</small> Note: For building foundations and other structures over 100'.		
31 23 16 36-0012 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >100' to 300' <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	3.57 3.57 2.68 1.43 0.54	
31 23 16 36-0013 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >300' to 500' <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	5.35 5.35 4.01 2.14 0.80	
31 23 16 36-0014 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >500' to 1,000' <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	8.03 8.03 6.02 3.21 1.20	
31 23 16 36-0015 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >1,000' <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	10.71 10.71 8.03 4.28 1.61	

31	31	Earthwork
	31 20	Earth Moving
	31 23	Excavation And Fill



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0016 Backfilling <small>(31 23 16 36)</small> Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading.		
31 23 16 36-0017 CY Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader	2.85	
For Up To 20, Add	2.85	
For >20 To 50, Add	2.14	
For >50 To 250, Add	1.14	
For >250 To 500, Add	0.43	
31 23 16 36-0018 CY Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	3.51	
For Up To 20, Add	3.51	
For >20 To 50, Add	2.63	
For >50 To 250, Add	1.40	
For >250 To 500, Add	0.53	
31 23 16 36-0019 CY Backfilling Around Building Foundations And Other Structures By Hand.....	37.42	
31 23 16 36-0020 Compaction Of Fill Or Subbase <small>(31 23 16 36)</small> Note: For building foundations and other structures.		
31 23 16 36-0021 CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera	7.23	
For Up To 20, Add	7.23	
For >20 To 50, Add	5.42	
For >50 To 250, Add	2.89	
For >250 To 500, Add	1.08	
31 23 16 36-0022 CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	24.62	
31 23 16 36-0023 Grading <small>(31 23 16 36)</small> Note: For building foundations and other structures.		
31 23 16 36-0024 SY Rough Grading For Building Foundations And Other Structures by Machine	0.77	
31 23 16 36-0025 SY Finish Grading For Building Foundations And Other Structures by Machine	1.24	
31 23 16 36-0026 SY Finish Grading For Building Foundations And Other Structures by Hand	7.28	
31 23 16 36-0027 Loading Excess Material For Removal From Excavation <small>(31 23 16 36)</small> Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.		
31 23 16 36-0028 CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	3.91	
For Up To 20, Add	3.91	
For >20 To 50, Add	2.93	
For >50 To 250, Add	1.56	
For >250 To 500, Add	0.59	
31 23 16 36-0029 CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	57.63	
31 23 16 36-0030 Spread Material <small>(31 23 16 36)</small> Note: For building foundations and other structures.		
31 23 16 36-0031 CY Spread Excess Or Imported Material On Site By Machine	2.08	
For Up To 20, Add	2.08	
For >20 To 50, Add	1.56	
For >50 To 250, Add	0.83	
For >250 To 500, Add	0.31	
31 23 16 36-0032 CY Spread Excess Or Imported Material On Site By Hand	31.80	
31 23 16 43 Mass Excavation <small>(31 23 16)</small>		
31 23 16 43-0001 Mass Excavation By Dozer <small>(31 23 16 43)</small> Note: In CY/Hour and using 50 Min/Hour, +5% grade, average operator and material conversion factors. Pushed to stockpile area.		
31 23 16 43-0002 Dozing Distance Averages 150 Feet Push <small>(31 23 16 43-0001)</small>		
31 23 16 43-0003 Dozer With Blade, 65 HP, (D-3B) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0004 BCY Mass Excavation, D-3B Dozer, Light Material 65 HP With Blade, 150' Push, 30 CY/Hour	4.70	
31 23 16 43-0005 BCY Mass Excavation, D-3B Dozer, Medium Material 65 HP With Blade, 150' Push, 25 CY/Hour	5.63	
31 23 16 43-0006 BCY Mass Excavation, D-3B Dozer, Wet/Loose Rock 65 HP With Blade, 150' Push 20 CY/Hour	7.03	
31 23 16 43-0007 Dozer With Blade, 90 HP, (D-4H) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0008 BCY Mass Excavation, D-4H Dozer, Light Material 90 HP With Blade, 150' Push, 60 CY/Hour.....	2.29	
31 23 16 43-0009 BCY Mass Excavation, D-4H Dozer, Medium Material 90 HP With Blade, 150' Push, 45 CY/Hour	3.05	
31 23 16 43-0010 BCY Mass Excavation, D-4H Dozer, Wet/Loose Rock 90 HP With Blade, 150' Push, 35 CY/Hour	3.93	
31 23 16 43-0011 Dozer With Blade, 120 HP, (D-5H) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0012 BCY Mass Excavation, D-5H Dozer, Light Material 120 HP With Blade, 150' Push, 85 CY/Hour	1.70	
31 23 16 43-0013 BCY Mass Excavation, D-5H Dozer, Medium Material 120 HP With Blade, 150' Push, 70 CY/Hour	2.07	
31 23 16 43-0014 BCY Mass Excavation, D-5H Dozer, Wet/Loose Rock 120 HP With Blade, 150' Push, 50 CY/Hour	2.89	
31 23 16 43-0015 Dozer With Blade, 140 HP, (D-6D) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0016 BCY Mass Excavation, D-6D Dozer, Light Material 140 HP With Blade, 150' Push, 115 CY/Hour.....	1.50	
31 23 16 43-0017 BCY Mass Excavation, D-6D Dozer, Medium Material 140 HP With Blade, 150' Push, 90 CY/Hour	1.91	



Earthwork	31	15
Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 43-0018 BCY Mass Excavation, D-6D Dozer, Wet/Loose Rock 140 HP With Blade, 150' Push, 70 CY/Hour	2.46	
31 23 16 43-0019 Dozer With U-Blade, 200 HP, (D-7G) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0020 BCY Mass Excavation, D-7G Dozer, Light Material 200 HP With U-Blade, 150' Push, 185 CY/Hour	1.00	
31 23 16 43-0021 BCY Mass Excavation, D-7G Dozer, Medium Material 200 HP With U-Blade 150' Push, 150 CY/Hour	1.22	
31 23 16 43-0022 BCY Mass Excavation, D-7G Dozer, Wet/Loose Rock 200 HP With U-Blade, 150' Push, 115 CY/Hour	1.60	
31 23 16 43-0023 BCY Mass Excavation, D-7G Dozer, Blasted Rock 200 HP With U-Blade, 150' Push, 90 CY/Hour	2.04	
31 23 16 43-0024 Dozer With U-Blade, 335 HP, (D-8L) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0025 BCY Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 150' Push, 290 CY/Hour	0.82	
31 23 16 43-0026 BCY Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 150' Push, 235 CY/Hour	1.01	
31 23 16 43-0027 BCY Mass Excavation, D-8L Dozer, Wet/Loose Rock 335 HP With U-Blade, 150' Push, 180 CY/Hour	1.32	
31 23 16 43-0028 BCY Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 150' Push, 145 CY/Hour	1.64	
31 23 16 43-0029 Dozer With U-Blade, 460 HP, (D-9L) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0030 BCY Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 150' Push, 375 CY/Hour	0.61	
31 23 16 43-0031 BCY Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 150' Push, 300 CY/Hour	0.75	
31 23 16 43-0032 BCY Mass Excavation, D-9L Dozer, Wet/Loose Rock 460 HP With U-Blade, 150' Push, 230 CY/Hour	0.99	
31 23 16 43-0033 BCY Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 150' Push, 185 CY/Hour	1.22	
31 23 16 43-0034 Dozer With U-Blade, 700 HP, (D-10) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0035 BCY Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 150' Push, 495 CY/Hour	0.50	
31 23 16 43-0036 BCY Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 150' Push, 400 CY/Hour	0.63	
31 23 16 43-0037 BCY Mass Excavation, D-10 Dozer, Wet/Loose Rock 700 HP With U-Blade, 150' Push, 305 CY/Hour	0.82	
31 23 16 43-0038 BCY Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 150' Push, 245 CY/Hour	1.02	
31 23 16 43-0039 Dozing Distance Averages 300 Feet Push <small>(31 23 16 43-0001)</small>		
31 23 16 43-0040 Dozer With Blade, 65 HP, (D-3B) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0041 BCY Mass Excavation, D-3B Dozer, Light Material 65 HP With Blade, 12.5 CY/Hour, 300' Push	11.26	
31 23 16 43-0042 BCY Mass Excavation, D-3B Dozer, Medium Material 65 HP With Blade, 10 CY/Hour, 300' Push	14.08	
31 23 16 43-0043 Dozer With Blade, 90 HP, (D-4H) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0044 BCY Mass Excavation, D-4H Dozer, Light Material 90 HP With Blade, 20 CY/Hour, 300' Push	6.87	
31 23 16 43-0045 BCY Mass Excavation, D-4H Dozer, Medium Material 90 HP With Blade, 17.5 CY/Hour, 300' Push	7.86	
31 23 16 43-0046 BCY Mass Excavation, D-4H Dozer, Loose Rock 90 HP With Blade, 15 CY/Hour, 300' Push	9.17	
31 23 16 43-0047 Dozer With Blade, 120 HP, (D-5H) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0048 BCY Mass Excavation, D-5H Dozer, Light Material 120 HP With Blade, 35 CY/Hour, 300' Push	4.13	
31 23 16 43-0049 BCY Mass Excavation, D-5H Dozer, Medium Material 120 HP With Blade, 30 CY/Hour, 300' Push	4.82	
31 23 16 43-0050 BCY Mass Excavation, D-5H Dozer, Loose Rock 120 HP With Blade, 25 CY/Hour, 300' Push	5.78	
31 23 16 43-0051 Dozer With Blade, 140 HP, (D-6D) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0052 BCY Mass Excavation, D-6D Dozer, Light Material 140 HP With Blade, 55 CY/Hour, 300' Push	3.12	
31 23 16 43-0053 BCY Mass Excavation, D-6D Dozer, Medium Material 140 HP With Blade, 45 CY/Hour, 300' Push	3.81	
31 23 16 43-0054 BCY Mass Excavation, D-6D Dozer, Loose Rock 140 HP With Blade, 35 CY/Hour, 300' Push	4.91	
31 23 16 43-0055 Dozer With U-Blade, 200 HP, (D-7G) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0056 BCY Mass Excavation, D-7G Dozer, Light Material 200 HP With U-Blade, 85 CY/Hour, 300' Push	2.17	
31 23 16 43-0057 BCY Mass Excavation, D-7G Dozer, Medium Material 200 HP With U-Blade 65 CY/Hour, 300' Push	2.83	
31 23 16 43-0058 BCY Mass Excavation, D-7G Dozer, Loose Rock 200 HP With U-Blade, 50 CY/Hour, 300' Push	3.68	
31 23 16 43-0059 BCY Mass Excavation, D-7G Dozer, Blasted Rock 200 HP With U-Blade, 40 CY/Hour, 300' Push	4.60	
31 23 16 43-0060 Dozer With U-Blade, 335 HP, (D-8L) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0061 BCY Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 145 CY/Hour, 300' Push	1.64	
31 23 16 43-0062 BCY Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 115 CY/Hour, 300' Push	2.07	
31 23 16 43-0063 BCY Mass Excavation, D-8L Dozer, Loose Rock 335 HP With U-Blade, 90 CY/Hour, 300' Push	2.64	
31 23 16 43-0064 BCY Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 70 CY/Hour, 300' Push	3.39	
31 23 16 43-0065 Dozer With U-Blade, 460 HP, (D-9L) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0066 BCY Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 195 CY/Hour, 300' Push	1.16	
31 23 16 43-0067 BCY Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 160 CY/Hour, 300' Push	1.42	
31 23 16 43-0068 BCY Mass Excavation, D-9L Dozer, Loose Rock 460 HP With U-Blade, 120 CY/Hour, 300' Push	1.89	
31 23 16 43-0069 BCY Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 95 CY/Hour, 300' Push	2.39	
31 23 16 43-0070 Dozer With U-Blade, 700 HP, (D-10) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0071 BCY Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 275 CY/Hour, 300' Push	0.91	

31	31	Earthwork
	31 20	Earth Moving
	31 23	Excavation And Fill



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 43-0072 BCY Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 220 CY/Hour, 300' Push.....	1.13	
31 23 16 43-0073 BCY Mass Excavation, D-10 Dozer, Loose Rock 700 HP With U-Blade, 170 CY/Hour, 300' Push.....	1.47	
31 23 16 43-0074 BCY Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 135 CY/Hour, 300' Push.....	1.85	
31 23 16 43-0075 Dozing Distance Averages 450 Feet Push <small>(31 23 16 43-0001)</small>		
31 23 16 43-0076 Dozer With U-Blade, 215 HP, (D-7G) <small>(31 23 16 43-0075)</small>		
31 23 16 43-0077 BCY Mass Excavation, D-7G Dozer, Light Material 215 HP With U-Blade, 75 CY/Hour, 450' Push.....	2.46	
31 23 16 43-0078 BCY Mass Excavation, D-7G Dozer, Medium Material 215 HP With U-Blade 60 CY/Hour, 450' Push.....	3.07	
31 23 16 43-0079 BCY Mass Excavation, D-7G Dozer, Loose Rock 215 HP With U-Blade, 45 CY/Hour, 450' Push.....	4.08	
31 23 16 43-0080 BCY Mass Excavation, D-7G Dozer, Blasted Rock 215 HP With U-Blade, 35 CY/Hour, 450' Push.....	5.26	
31 23 16 43-0081 Dozer With U-Blade, 335 HP, (D-8L) <small>(31 23 16 43-0075)</small>		
31 23 16 43-0082 BCY Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 105 CY/Hour, 450' Push.....	2.26	
31 23 16 43-0083 BCY Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 85 CY/Hour, 450' Push.....	2.79	
31 23 16 43-0084 BCY Mass Excavation, D-8L Dozer, Loose Rock 335 HP With U-Blade, 65 CY/Hour, 450' Push.....	3.66	
31 23 16 43-0085 BCY Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 50 CY/Hour, 450' Push.....	4.75	
31 23 16 43-0086 Dozer With U-Blade, 460 HP, (D-9L) <small>(31 23 16 43-0075)</small>		
31 23 16 43-0087 BCY Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 145 CY/Hour, 450' Push.....	1.56	
31 23 16 43-0088 BCY Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 115 CY/Hour, 450' Push.....	1.97	
31 23 16 43-0089 BCY Mass Excavation, D-9L Dozer, Loose Rock 460 HP With U-Blade, 90 CY/Hour, 450' Push.....	2.52	
31 23 16 43-0090 BCY Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 70 CY/Hour, 450' Push.....	3.24	
31 23 16 43-0091 Dozer With U-Blade, 700 HP, (D-10) <small>(31 23 16 43-0075)</small>		
31 23 16 43-0092 BCY Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 185 CY/Hour, 450' Push.....	1.35	
31 23 16 43-0093 BCY Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 150 CY/Hour, 450' Push.....	1.67	
31 23 16 43-0094 BCY Mass Excavation, D-10 Dozer, Loose Rock 700 HP With U-Blade, 115 CY/Hour, 450' Push.....	2.17	
31 23 16 43-0095 BCY Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 90 CY/Hour, 450' Push.....	2.78	
31 23 16 43-0096 Excavation By Push Loaded Scraper <small>(31 23 16 43)</small>		
Note: Choose scraper capacity and cycle time.		
31 23 16 43-0097 Self Propelled Scraper Capacity 9 BCY <small>(31 23 16 43-0096)</small>		
31 23 16 43-0098 BCY Excavation With Push Loaded Self Propelled Scraper 9 BCY, 9 Cycles Per Hour.....	2.87	
31 23 16 43-0099 Self Propelled Scraper Capacity 16 BCY <small>(31 23 16 43-0096)</small>		
31 23 16 43-0100 BCY Excavation With Push Loaded Self Propelled Scraper 16 BCY, 9 Cycles Per Hour.....	2.01	
31 23 16 43-0101 BCY Excavation With Push Loaded Self Propelled Scraper 16 BCY, 6 Cycles Per Hour.....	3.01	
31 23 16 43-0102 BCY Excavation With Push Loaded Self Propelled Scraper 16 BCY, 4.5 Cycles Per Hour.....	4.52	
31 23 16 43-0103 BCY Roadway Excavation Scraper - Soil.....	1.96	
31 23 16 43-0104 BCY Roadway Excavation Scraper - Sand.....	8.45	
31 23 16 43-0105 BCY Roadway Excavation Scraper - Rock Borrow.....	11.30	
31 23 16 43-0106 BCY Roadway Excavation Scraper - Rock No Borrow.....	7.78	
31 23 16 43-0107 Self Propelled Scraper Capacity 25 BCY <small>(31 23 16 43-0096)</small>		
31 23 16 43-0108 BCY Excavation With Push Loaded Self Propelled Scraper 25 BCY, 9 Cycles Per Hour.....	1.31	
31 23 16 43-0109 BCY Excavation With Push Loaded Self Propelled Scraper 25 BCY, 6 Cycles Per Hour.....	1.98	
31 23 16 43-0110 BCY Excavation With Push Loaded Self Propelled Scraper 25 BCY, 4.5 Cycles Per Hour.....	2.33	
31 23 16 43-0111 Self Propelled Scraper Capacity 35 BCY <small>(31 23 16 43-0096)</small>		
31 23 16 43-0112 BCY Excavation With Push Loaded Self Propelled Scraper 35 BCY, 9 Cycles Per Hour.....	0.99	
31 23 16 43-0113 BCY Excavation With Push Loaded Self Propelled Scraper 35 BCY, 6 Cycles Per Hour.....	1.49	
31 23 16 43-0114 BCY Excavation With Push Loaded Self Propelled Scraper 35 BCY, 4.5 Cycles Per Hour.....	2.02	
31 23 16 43-0115 Self Propelled Scraper Capacity 43 BCY <small>(31 23 16 43-0096)</small>		
31 23 16 43-0116 BCY Excavation With Push Loaded Self Propelled Scraper 43 BCY, 9 Cycles Per Hour.....	0.81	
31 23 16 43-0117 BCY Excavation With Push Loaded Self Propelled Scraper 43 BCY, 6 Cycles Per Hour.....	1.21	
31 23 16 43-0118 BCY Excavation With Push Loaded Self Propelled Scraper 43 BCY, 4.5 Cycles Per Hour.....	1.53	
31 23 23 Fill <small>(31 23)</small>		
31 23 23 23 Compaction <small>(31 23 23)</small>		
31 23 23 23-001 Compaction Water, Water Truck And Operator <small>(31 23 23 23)</small>		
31 23 23 23-002 MGL Compaction Water, Water Truck And Operator.....	124.78	
Note: Use this task in situations where fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per 1000 Gallons)		



Earthwork	31	15
Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 23 33 Flowable Fill <small>(31 23 23)</small>		
31 23 23 33-0001 Flowable Cement Backfill For Trenches <small>(31 23 23 33)</small>		
Note: Includes compaction and restoration of final grade.		
31 23 23 33-0002 CY Flowable Cement Backfill for Trenches	85.39	
For Up To 20, Add	35.01	
For >20 To 50, Add	22.71	
For >50 To 250, Add	11.36	
For >500 To 1,000, Deduct	-6.15	
For >1,000, Deduct	-12.30	
31 24 Embankments <small>(31 24)</small>		
31 24 13 Roadway Embankments <small>(31 24)</small>		
31 24 13 00-0001 Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations <small>(31 24 13)</small>		
Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY.		
31 24 13 00-0002 Cutting, Shaping And Rough Grading <small>(31 24 13 00-0001)</small>		
Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.		
31 24 13 00-0003 Cutting, Shaping, And Rough Grading By Machine <small>(31 24 13 00-0002)</small>		
31 24 13 00-0004 CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil	4.46	
For Up To 20, Add	4.46	
For >20 To 50, Add	3.35	
For >50 To 250, Add	1.78	
For >250 To 500, Add	0.67	
For >1,000, Deduct	-0.67	
31 24 13 00-0005 CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock	5.53	
For Up To 20, Add	5.53	
For >20 To 50, Add	4.15	
For >50 To 250, Add	2.21	
For >250 To 500, Add	0.83	
For >1,000, Deduct	-0.83	
31 24 13 00-0006 Cutting, Shaping, And Rough Grading By Hand <small>(31 24 13 00-0002)</small>		
31 24 13 00-0007 SY Shape Embankment/Slope By Hand Up To 1 On 4 Slope	4.03	
31 24 13 00-0008 SY Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope	5.24	
31 24 13 00-0009 Scarify Soil <small>(31 24 13 00-0001)</small>		
Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0010 CSF Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine	4.12	
For Up To 20, Add	2.06	
For >20 To 50, Add	1.03	
For >250 To 500, Deduct	-0.41	
For >500, Deduct	-0.82	
31 24 13 00-0011 Relocating On Site Excavated Material <small>(31 24 13 00-0001)</small>		
31 24 13 00-0012 CY >500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments	8.03	
For Up To 20, Add	8.03	
For >20 To 50, Add	6.02	
For >50 To 250, Add	3.21	
For >250 To 500, Add	1.20	
For >1,000, Deduct	-1.20	
31 24 13 00-0013 CY >1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments	10.71	
For Up To 20, Add	10.71	
For >20 To 50, Add	8.03	
For >50 To 250, Add	4.28	
For >250 To 500, Add	1.61	
For >1,000, Deduct	-1.61	
31 24 13 00-0014 Spread And Shape Imported Or Stockpiled Material <small>(31 24 13 00-0001)</small>		
Note: For roadways, parking areas, landscaping and embankments.		
31 24 13 00-0015 CY Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments	4.91	
For Up To 20, Add	4.91	
For >20 To 50, Add	3.68	
For >50 To 250, Add	1.96	
For >250 To 500, Add	0.74	
For >1,000, Deduct	-0.74	
31 24 13 00-0016 Grading <small>(31 24 13 00-0001)</small>		
Note: For roadways, parking areas, landscaping and embankments by machine.		

31	31 Earthwork
	31 20 Earth Moving
	31 24 Embankments



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0017 SY Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine.....	0.49	
31 24 13 00-0018 SY Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine.....	0.66	
31 24 13 00-0019 LF Finish Grade For Curb.....	0.74	
31 24 13 00-0020 LF Finish Grade For Curb And Gutter.....	0.90	
31 24 13 00-0021 Compaction Of Fill Or Subbase (31 24 13 00-0001)		
Note: For roadways, parking areas, landscaping and embankments by machine, per lift.		
31 24 13 00-0022 SY Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift.....	0.45	
For Up To 250, Add	0.45	
For >250 To 500, Add	0.34	
For >500 To 1,000, Add	0.18	
For >5,000, Deduct	-0.07	
31 24 13 00-0023 Loading Excess Material For Removal From Excavation (31 24 13 00-0001)		
Note: For roadways, parking areas, landscaping and embankments by machine. Includes hand work by laborer for clean-up.		
31 24 13 00-0024 CY Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine.....	3.76	
For Up To 20, Add	3.76	
For >20 To 50, Add	2.82	
For >50 To 250, Add	1.50	
For >250 To 500, Add	0.56	
For >1,000, Deduct	-0.56	
31 25 Erosion And Sedimentation Controls (31 20)		
31 25 14 Stabilization Measures For Erosion And Sedimentation Control (31 25)		
31 25 14 13 Hydraulically-Applied Erosion Control (31 25 14)		
31 25 14 13-0001 Bonded Fiber Matrix (31 25 14 13)		
31 25 14 13-0002 MSF Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	34.51	
31 25 14 13-0003 MSF >25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	31.48	
31 25 14 13-0004 MSF >50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	28.91	
31 25 14 13-0005 MSF >100,000 Bonded Fiber Matrix, Hydraulically Applied.....	27.44	
31 25 14 16 Rolled Erosion Control Mats And Blankets (31 25 14)		
Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.		
31 25 14 16-0001 Erosion Control Blankets And Turf Reinforcement Mats (31 25 14 16)		
31 25 14 16-0002 Erosion Control Blankets, Short Term, Light Duty (31 25 14 16-0001)		
31 25 14 16-0003 SY S75 Single Net Erosion Control Blanket.....	1.17	
Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0004 SY S75BN Single Net Erosion Control Blanket.....	1.41	
Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.		
31 25 14 16-0005 SY Curlex 1, Single Net Erosion Control Blanket.....	1.13	
Note: As manufactured by American Excelsior		
31 25 14 16-0006 SY Curlex 1, Single Net Erosion Control Blanket.....	1.17	
Note: As manufactured by American Green.		
31 25 14 16-0007 SY Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting.....	1.07	
31 25 14 16-0008 Erosion Control Blankets, Intermediate Duration (31 25 14 16-0001)		
31 25 14 16-0009 SY S150 Double Net Erosion Control Blanket.....	1.48	
Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0010 SY S150 BN Double Net Erosion Control Blanket.....	1.86	
Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.		
31 25 14 16-0011 SY Curlex II, Double Net Erosion Control Blanket, Natural.....	1.30	
Note: As manufactured by American Excelsior.		
31 25 14 16-0012 SY Curlex II, Double Net Erosion Control Blanket, Green.....	1.34	
Note: As manufactured by American Excelsior.		
31 25 14 16-0013 SY Enforcer Double Net Erosion Control Blanket.....	1.41	
Note: As manufactured by American Excelsior.		
31 25 14 16-0014 Turf Reinforcement Mats (TRM) (31 25 14 16-0001)		
Note: Permanent, UV stabilized.		
31 25 14 16-0015 SY P300 Permanent Polypropylene Turf Reinforcement Mat.....	7.63	
Note: 100% synthetic, UV stabilized, two layer netting.		
31 25 14 16-0016 SY C350 Permanent Turf Reinforcement Mat.....	7.04	
Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.		
31 25 14 16-0017 SY Recyclex TRM, Permanent Turf Reinforcement Mat.....	5.72	
Note: As manufactured by American Excelsior, 100% recycled		



Earthwork	31	13
Earth Moving	31 20	
Erosion And Sedimentation Controls	31 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 16-0018 Jute Mesh Erosion Control Blankets <small>(31 25 14 16-0001)</small>		
31 25 14 16-0019 SY Jute Mesh, Open Uniform Weave.....	1.29	
31 25 14 16-0020 Revegetation Mat <small>(31 25 14 16-0001)</small>		
31 25 14 16-0021 SY 3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber.....	5.75	
Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.		
31 25 14 16-0022 SY Webbed Revegetation Mat, Polypropylene Fiber.....	8.21	
Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.		
31 25 14 23 Stabilization Measures For Erosion Control <small>(31 25 14)</small>		
See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.		
31 25 14 23-0001 Sand And Gravel Bags <small>(31 25 14 23)</small>		
Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0002 BAG 50 LB Capacity Nylon Or Poly Sand Bag With Sand.....	4.10	1.66
For >2,500 To 5,000, Deduct		
	-0.33	
For >5,000, Deduct		
	-0.74	
31 25 14 23-0003 BAG 50 LB Capacity Biodegradable Burlap Sand Bag With Sand.....	4.37	
For >2,500 To 5,000, Deduct		
	-0.33	
For >5,000, Deduct		
	-0.77	
31 25 14 23-0004 BAG 33 LB Capacity Nylon Or Poly Bag With 5/16" To 3/4" Gravel.....	3.60	1.10
For >2,500 To 5,000, Deduct		
	-0.22	
For >5,000, Deduct		
	-0.58	
31 25 14 23-0005 Turbidity Curtain <small>(31 25 14 23)</small>		
Note: Type 2 curtain.		
31 25 14 23-0006 LF 3' High Turbidity Curtain	16.59	
31 25 14 23-0007 LF 4' High Turbidity Curtain	17.98	
31 25 14 23-0008 LF 5' High Turbidity Curtain	19.92	
31 25 14 23-0009 LF 6' High Turbidity Curtain	21.56	
31 25 14 23-0010 LF 7' High Turbidity Curtain	22.63	
31 25 14 23-0011 LF 8' High Turbidity Curtain	23.70	
31 25 14 23-0012 LF 9' High Turbidity Curtain	24.93	
31 25 14 23-0013 LF 10' High Turbidity Curtain	26.65	
31 25 14 23-0014 LF 12' High Turbidity Curtain	27.99	
31 25 14 23-0015 LF 13' High Turbidity Curtain	29.81	
31 25 14 23-0016 LF 14' High Turbidity Curtain	31.52	
31 25 14 23-0017 LF 15' High Turbidity Curtain	33.15	
31 25 14 23-0018 LF 16' High Turbidity Curtain	36.08	
31 25 14 23-0019 LF 17' High Turbidity Curtain	37.84	
31 25 14 23-0020 LF 18' High Turbidity Curtain	39.55	
31 25 14 23-0021 LF 19' High Turbidity Curtain	41.35	
31 25 14 23-0022 LF 20' High Turbidity Curtain	43.10	
31 25 14 23-0023 Filter Bags <small>(31 25 14 23)</small>		
31 25 14 23-0024 Non-Woven Filter Bags <small>(31 25 14 23-0023)</small>		
31 25 14 23-0025 EA 6' x 15' Non-Woven Filter Bag	126.85	
31 25 14 23-0026 EA 13' x 15' Non-Woven Filter Bag	183.35	
31 25 14 23-0027 EA 15' x 15' Non-Woven Filter Bag	211.05	
31 25 14 23-0028 Monofilament Filter Bags <small>(31 25 14 23-0023)</small>		
31 25 14 23-0029 EA 5' x 15' Monofilament Filter Bag.....	131.81	
31 25 14 23-0030 EA 10' x 15' Monofilament Filter Bag.....	182.27	
31 25 14 23-0031 Cable Articulating Concrete Block <small>(31 25 14 23)</small>		
Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 25 14 23-0032 SF 4.75" Open Cell Articulated Concrete Block With Earth Backfill	24.41	
For Up To 500, Add		
	5.55	
For >500 To 1,000, Add		
	3.11	
31 25 14 23-0033 SF 6" Open Cell Articulated Concrete Block With Earth Backfill	27.82	
For Up To 500, Add		
	6.30	
For >500 To 1,000, Add		
	3.51	
31 25 14 23-0034 SF 7.5" Open Cell Articulated Concrete Block With Earth Backfill	31.73	
For Up To 500, Add		
	7.15	
For >500 To 1,000, Add		
	3.98	
31 25 14 23-0035 SF 9" Open Cell Articulated Concrete Block With Earth Backfill	35.76	
For Up To 500, Add		
	8.05	
For >500 To 1,000, Add		
	4.47	
31 25 14 23-0036 SF 4.75" Closed Cell Articulated Concrete Block	26.06	
For Up To 500, Add		
	5.88	
For >500 To 1,000, Add		
	3.28	

31	31 Earthwork
	31 20 Earth Moving
	31 25 Erosion And Sedimentation Controls



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0037 SF 6" Closed Cell Articulated Concrete Block <i>For Up To 500, Add</i> <i>For >500 To 1,000, Add</i>	29.80 6.69 3.71	
31 25 14 23-0038 SF 7.5" Closed Cell Articulated Concrete Block <i>For Up To 500, Add</i> <i>For >500 To 1,000, Add</i>	34.08 7.62 4.21	
31 25 14 23-0039 SF 9" Closed Cell Articulated Concrete Block <i>For Up To 500, Add</i> <i>For >500 To 1,000, Add</i>	38.44 8.58 4.74	
31 25 14 26 Stabilization Measures For Sedimentation Control (31 25 14)		
31 25 14 26-0001 Silt Fences And Dike Barriers (31 25 14 26) Note: Includes stakes and embedding.		
31 25 14 26-0002 Silt Fences 2' High (31 25 14 26-0001)		
31 25 14 26-0003 LF 2' High Silt Fence with Stakes at 4' On Center.....	1.80	
31 25 14 26-0004 LF 2' High Silt Fence with Stakes at 6' On Center.....	1.40	
31 25 14 26-0005 LF 2' High Silt Fence with Stakes at 8' On Center.....	1.00	
31 25 14 26-0006 LF 2' High Silt Fence with Stakes at 10' On Center.....	0.86	
31 25 14 26-0007 Silt Fences 3' High (31 25 14 26-0001)		
31 25 14 26-0008 LF 3' High Silt Fence with Stakes at 4' On Center.....	1.70	
31 25 14 26-0009 LF 3' High Silt Fence with Stakes at 6' On Center.....	1.45	
31 25 14 26-0010 LF 3' High Silt Fence with Stakes at 8' On Center.....	0.93	
31 25 14 26-0011 LF 3' High Silt Fence with Stakes at 10' On Center.....	0.90	
31 25 14 26-0012 Silt Dike Barrier (31 25 14 26-0001)		
31 25 14 26-0013 LF Silt Dike Barrier With Stakes.....	2.06	
31 25 14 26-0014 Silt Fences Removal (31 25 14 26-0001)		
31 25 14 26-0015 LF Removal Of Silt Fence And Stakes.....	0.52	
31 25 14 26-0016 Hay And Straw Bales (31 25 14 26) Note: Includes trench for placement, and stakes.		
31 25 14 26-0017 LF Place Sterlized Straw Bales..... Note: Includes securing in ground with stakes.	3.33	
31 25 14 26-0018 LF Place Hay Bales..... Note: Includes securing in ground with stakes.	3.03	
31 25 14 26-0019 LF Removal Of Hay Or Straw Bales..... Note: Includes removal of stakes.	0.93	
31 25 14 26-0020 Sediment Logs (Degradable) (31 25 14 26)		
31 25 14 26-0021 Sediment Logs (Degradable) (31 25 14 26-0020) Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.		
31 25 14 26-0022 LF 12" Sediment Log	5.81	
31 25 14 26-0023 LF 20" Sediment Log	6.88	
31 25 14 26-0024 Wattles (Degradable) (31 25 14 26-0020) Note: Includes trench for placement, 24" wood staking at 4' O.C.		
31 25 14 26-0025 EA Wattles (Sterile Straw Filled Rolls), 9" x 25'	103.03	
31 25 14 26-0026 EA Wattles (Sterile Straw Filled Rolls), 12" x 20'	98.57	
31 25 14 26-0027 Inlet Protection Sediment Bags (31 25 14 26) Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0028 EA 2' x 2' x 3' Inlet Protection Sediment Bag.....	35.02	
31 25 14 26-0029 EA 2' x 3' x 3' Inlet Protection Sediment Bag.....	43.88	
31 25 14 26-0030 EA 2' x 4' x 3' Inlet Protection Sediment Bag.....	54.15	

31 30 Earthwork Methods (31)

31 31 Soil Treatment (31 30)

31 31 19 Vegetation Control (31 31)

31 31 19 13 Chemical Vegetation Control (31 31 19)

31 31 19 13-0001 Soil Sterilants (31 31 19 13)



	Earthwork	31
	Earthwork Methods	31 30
	Soil Treatment	31 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 31 19 13-0002 MSF Soil Sterilant.....	17.24	
Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.		
For >45 To 90, Deduct	-0.28	
For >90 To 225, Deduct	-1.42	
For >225, Deduct	-1.99	
31 32 Soil Stabilization (31 30)		
31 32 13 Soil Mixing Stabilization (31 32)		
31 32 13 16 Cement Soil Stabilization (31 32 13)		
31 32 13 16-0001 Cementitious Soil Binder (31 32 13 16)		
31 32 13 16-0002 CY Cementitious Soil Binder, 4% Cement Mix By Volume	24.23	
31 32 13 16-0003 CY Cementitious Soil Binder, 6% Cement Mix By Volume	27.87	
31 32 13 16-0004 CY Cementitious Soil Binder, 9% Cement Mix By Volume	33.86	
31 32 13 16-0005 CY Cementitious Soil Binder, 12% Cement Mix By Volume	39.77	
31 32 13 19 Lime Soil Stabilization (31 32 13)		
Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.		
31 32 13 19-0001 Lime Slurry (31 32 13 19)		
31 32 13 19-0002 LCY Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume.....	21.64	
31 32 13 19-0003 TON Cement Stabilized Base Material.....	76.95	
31 32 13 19-0004 CWT Lime For Soil Stabilization	12.35	
Note: Excludes the cost for spreading or backfilling		
31 32 13 19-0005 LCY Roller, Grader - Lime Stabilization	11.73	
31 32 13 19-0006 LCY Roller, Grader - Cement Stabilization	2.67	
31 32 13 19-0007 Lime Stabilized Subgrade (31 32 13 19)		
Note: Based on soil weight of 110 LB/CF using lime weight of 5.5 LB/CF (5%).		
31 32 13 19-0008 SY 6" Thick Lime Stabilized Subgrade, 25 LB.....	7.58	
For 4% Lime Instead Of 5%, Deduct		
	-0.22	
For 6% Lime Instead Of 5%, Add		
	0.22	
31 32 13 19-0009 SY 7" Thick Lime Stabilized Subgrade, 29 LB.....	8.79	
For 4% Lime Instead Of 5%, Deduct		
	-0.25	
For 6% Lime Instead Of 5%, Add		
	0.25	
31 32 13 19-0010 SY 8" Thick Lime Stabilized Subgrade, 33 LB.....	10.03	
For 4% Lime Instead Of 5%, Deduct		
	-0.29	
For 6% Lime Instead Of 5%, Add		
	0.29	
31 32 13 29 Liquid Soil Stabilization (31 32 13)		
31 32 13 29-0001 GAL Polyacrylamide And Calcium Solution	1.69	
31 32 19 Geosynthetic Soil Stabilization And Layer Separation (31 32)		
31 32 19 13 Geogrid Soil Stabilization (31 32 19)		
31 32 19 13-0001 Geogrid Fabrics (31 32 19 13)		
Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications.		
31 32 19 13-0002 SY 5.3 Oz/SY, 1,700 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150).....	2.16	
For Up To 50, Add		
	0.50	
For >50 To 150, Add		
	0.37	
For >150 To 250, Add		
	0.24	
For >250 To 500, Add		
	0.12	
31 32 19 13-0003 SY 6.9 Oz/SY, 3,100 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300).....	2.46	
For Up To 50, Add		
	0.56	
For >50 To 150, Add		
	0.42	
For >150 To 250, Add		
	0.27	
For >250 To 500, Add		
	0.13	
31 32 19 13-0004 SY 8.7 Oz/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500).....	2.68	
For Up To 50, Add		
	0.61	
For >50 To 150, Add		
	0.45	
For >150 To 250, Add		
	0.29	
For >250 To 500, Add		
	0.15	
31 32 19 13-0005 SY 12.6 Oz/SY, 7,315 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800).....	3.83	
For Up To 50, Add		
	0.84	
For >50 To 150, Add		
	0.62	
For >150 To 250, Add		
	0.41	
For >250 To 500, Add		
	0.20	

31	Earthwork
31 30	Earthwork Methods
31 32	Soil Stabilization



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 13-0006	SY		14.1 Oz/SY, 9,790 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000).....	4.38	
			<i>For Up To 50, Add</i>	0.95	
			<i>For >50 To 150, Add</i>	0.71	
			<i>For >150 To 250, Add</i>	0.46	
			<i>For >250 To 500, Add</i>	0.23	
31 32 19 13-0007	SY		4.3 Oz/SY, 1,658 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20)	2.20	
			<i>For Up To 50, Add</i>	0.51	
			<i>For >50 To 150, Add</i>	0.37	
			<i>For >150 To 250, Add</i>	0.24	
			<i>For >250 To 500, Add</i>	0.12	
31 32 19 13-0008	SY		5.9 Oz/SY, 2,192 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30)	3.21	
			<i>For Up To 50, Add</i>	0.71	
			<i>For >50 To 150, Add</i>	0.53	
			<i>For >150 To 250, Add</i>	0.34	
			<i>For >250 To 500, Add</i>	0.17	

31 32 19 16 Geotextile Soil Stabilization (31 32 19)

31 32 19 16-0001 Nonwoven Polypropylene Geotextiles (31 32 19 16)

Note: For drainage, filtration and separation.

31 32 19 16-0002	SY		3.0 Oz/SY, 40 Mil, 80 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS).....	0.67	
			<i>For Up To 50, Add</i>	0.16	
			<i>For >50 To 150, Add</i>	0.12	
			<i>For >150 To 250, Add</i>	0.08	
			<i>For >250 To 500, Add</i>	0.04	
31 32 19 16-0003	SY		3.5 Oz/SY, 50 Mil, 95 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS).....	0.72	
			<i>For Up To 50, Add</i>	0.17	
			<i>For >50 To 150, Add</i>	0.12	
			<i>For >150 To 250, Add</i>	0.08	
			<i>For >250 To 500, Add</i>	0.04	
31 32 19 16-0004	SY		4.0 Oz/SY, 60 Mil, 115 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS).....	0.78	
			<i>For Up To 50, Add</i>	0.18	
			<i>For >50 To 150, Add</i>	0.13	
			<i>For >150 To 250, Add</i>	0.09	
			<i>For >250 To 500, Add</i>	0.04	
31 32 19 16-0005	SY		4.5 Oz/SY, 55 Mil, 120 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS).....	0.84	
			<i>For Up To 50, Add</i>	0.19	
			<i>For >50 To 150, Add</i>	0.14	
			<i>For >150 To 250, Add</i>	0.09	
			<i>For >250 To 500, Add</i>	0.05	
31 32 19 16-0006	SY		6.0 Oz/SY, 70 Mil, 160 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS).....	0.99	
			<i>For Up To 50, Add</i>	0.22	
			<i>For >50 To 150, Add</i>	0.16	
			<i>For >150 To 250, Add</i>	0.11	
			<i>For >250 To 500, Add</i>	0.05	
31 32 19 16-0007	SY		7.0 Oz/SY, 85 Mil, 180 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS).....	1.16	
			<i>For Up To 50, Add</i>	0.26	
			<i>For >50 To 150, Add</i>	0.19	
			<i>For >150 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.06	
31 32 19 16-0008	SY		8.0 Oz/SY, 85 Mil, 205 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS).....	1.28	
			<i>For Up To 50, Add</i>	0.29	
			<i>For >50 To 150, Add</i>	0.21	
			<i>For >150 To 250, Add</i>	0.14	
			<i>For >250 To 500, Add</i>	0.07	
31 32 19 16-0009	SY		10 Oz/SY, 115 Mil, 250 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS).....	1.57	
			<i>For Up To 50, Add</i>	0.34	
			<i>For >50 To 150, Add</i>	0.26	
			<i>For >150 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.08	

31 32 19 16-0010 Woven Geotextiles Fabric (31 32 19 16)

31 32 19 16-0011	SY		200 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55)	0.96	
			<i>For Up To 50, Add</i>	0.22	
			<i>For >50 To 150, Add</i>	0.16	
			<i>For >150 To 250, Add</i>	0.10	
			<i>For >250 To 500, Add</i>	0.05	
31 32 19 16-0012	SY		315 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66)	1.35	
			<i>For Up To 50, Add</i>	0.29	
			<i>For >50 To 150, Add</i>	0.22	
			<i>For >150 To 250, Add</i>	0.14	
			<i>For >250 To 500, Add</i>	0.07	
31 32 19 16-0013	SY		4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%)	2.37	
			<i>For Up To 50, Add</i>	0.50	
			<i>For >50 To 150, Add</i>	0.38	
			<i>For >150 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.12	



	Earthwork	31
	Earthwork Methods	31 30
	Soil Stabilization	31 32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0014 SY 11 To 15% Open Area, 370 x 220 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%)	2.31	
For Up To 50, Add	0.49	
For >50 To 150, Add	0.37	
For >150 To 250, Add	0.24	
For >250 To 500, Add	0.12	
31 32 19 16-0015 SY 6.9 Oz/SY, 250 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF)	2.02	
For Up To 50, Add	0.43	
For >50 To 150, Add	0.32	
For >150 To 250, Add	0.21	
For >250 To 500, Add	0.11	
31 32 19 16-0016 SY 9.1 Oz/SY, 333 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF)	2.16	
For Up To 50, Add	0.46	
For >50 To 150, Add	0.34	
For >150 To 250, Add	0.23	
For >250 To 500, Add	0.11	
31 32 19 16-0017 SY 12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF)	2.75	
For Up To 50, Add	0.58	
For >50 To 150, Add	0.43	
For >150 To 250, Add	0.29	
For >250 To 500, Add	0.14	
31 32 19 16-0018 SY 12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	3.92	
For Up To 50, Add	0.81	
For >50 To 150, Add	0.61	
For >150 To 250, Add	0.40	
For >250 To 500, Add	0.20	
31 32 19 16-0019 Geomembranes <small>(31 32 19 16)</small>		
31 32 19 16-0020 Polyvinyl Chloride (PVC) Geomembrane <small>(31 32 19 16-0019)</small>		
31 32 19 16-0021 SF 20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	0.74	
31 32 19 16-0022 SF 30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	0.86	
31 32 19 16-0023 SF 40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.03	
31 32 19 16-0024 SF 50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.25	
31 32 19 16-0025 SF 60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.42	
31 32 19 16-0026 SF 70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.55	
31 32 19 16-0027 SF 80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.68	
31 32 19 16-0028 SF 90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.86	
31 32 19 16-0029 SF 100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.03	
31 32 19 16-0030 High Density Polyethylene (HDPE) Geomembrane <small>(31 32 19 16-0019)</small>		
31 32 19 16-0031 SF 20 Mil High Density Polyethylene Membrane (US Fabrics)	0.53	
31 32 19 16-0032 SF 30 Mil High Density Polyethylene Membrane (US Fabrics)	0.73	
31 32 19 16-0033 SF 40 Mil High Density Polyethylene Membrane (US Fabrics)	0.86	
31 32 19 16-0034 SF 50 Mil High Density Polyethylene Membrane (US Fabrics)	1.45	
31 32 19 16-0035 SF 60 Mil High Density Polyethylene Membrane (US Fabrics)	1.11	
31 32 19 16-0036 SF 80 Mil High Density Polyethylene Membrane (US Fabrics)	1.39	
31 32 19 16-0037 SF 100 Mil High Density Polyethylene Membrane (US Fabrics)	1.66	
31 32 19 16-0038 SF 120 Mil High Density Polyethylene Membrane (US Fabrics)	3.04	
31 32 19 16-0039 SF 140 Mil High Density Polyethylene Membrane (US Fabrics)	3.15	
31 32 19 26 Geoweb Cellular Confinement System <small>(31 32 19)</small>		
Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 32 19 26-0001 Geoweb Cellular Confinement System <small>(31 32 19 26)</small>		
Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 32 19 26-0002 SF 4" Geoweb Cellular Confinement System (Presto Geosystems)	3.79	
For >20,000, Deduct	-0.08	
For >2:1 Slope, Add	0.75	
31 32 19 26-0003 SF 6" Geoweb Cellular Confinement System (Presto Geosystems)	4.47	
For >20,000, Deduct	-0.11	
For >2:1 Slope, Add	0.75	
31 32 19 26-0004 SF 8" Geoweb Cellular Confinement System (Presto Geosystems)	5.28	
For >20,000, Deduct	-0.15	
For >2:1 Slope, Add	0.75	
31 32 36 Soil Nailing <small>(31 32)</small>		

31	31 Earthwork
	31 30 Earthwork Methods
	31 32 Soil Stabilization



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 00-0001	Landslide and Slip-Out Stabilization <small>(31 32 36)</small>	
	<p>Note: Work shall consist of the Contractor stabilizing identified slides by internally reinforcing the soil mass with reinforcing elements (nails) by using one or more of the installation methods specified in this contract. The Owner will identify locations for work to be performed as specified herein. The Contractor shall review all locations with Owner representatives to determine the method to be used. The Contractor will provide all necessary engineering plans and details required to successfully repair slides as noted. These plans shall be stamped by a registered professional engineer with a current California license who is knowledgeable in the design and implementation of slope stabilization with soil nails and related work. The contractor shall furnish all labor, materials, and equipment required to complete the work. Any necessary installation methods and associated costs are the responsibility of the contractor. The Contractor and the Contractor's Engineer will also warrant the stability of the repaired roadway section for a period of 5 years.</p>	
31 32 36 00-0002	Launched Soil Nails™ <small>(31 32 36 00-0001)</small>	
	<p>Note: Furnish Launched Soil Nails™ up to 20 feet in length composed of a tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized 36ksi steel (ASTM A513) that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities). Alternately, the tube may be composed of fiberglass (1.5 inch outside diameter, 0.5 inch wall thickness Strongwell EXTREN Series 625 Vinyl Ester fiberglass. Furnish equipment and incidentals necessary to complete the work. Insert Launched Soil Nails™ with a single stroke at initial velocities in excess of 200 miles per hour. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.</p>	
31 32 36 00-0003	EA Fiberglass SuperNail®.....	780.00
	<p>Note: perforated fiberglass tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.</p>	
31 32 36 00-0004	EA GalvaDized™ SuperNail®.....	620.00
	<p>Note: perforated GalvaDized™ steel tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.</p>	
31 32 36 00-0005	EA Temporary Launched Soil Nail.....	520.00
	<p>Note: bare steel tube up to 20 ft. length.</p>	
31 32 36 00-0006	EA Fiberglass SuperDrain™.....	585.00
	<p>Note: perforated fiberglass tube up to 20 ft. length.</p>	
31 32 36 00-0007	EA GalvaDized™ SuperDrain™.....	550.00
	<p>Note: perforated GalvaDized™ steel tube up to 20 ft. length.</p>	
31 32 36 00-0008	Drilled SuperNails® (Permanently Cased Soil Nails) <small>(31 32 36 00-0001)</small>	
	<p>Note: Furnish SuperNails® that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 threadbar as the inner bar. SuperNails® may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperNail® outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner threadbar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.</p>	
31 32 36 00-0009	EA Drilled GalvaDized™ SuperNail® up to 20 ft. length.....	650.00
	<p>Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.</p>	
31 32 36 00-0010	EA Drilled GalvaDized™ SuperNail® up to 30 ft. length.....	975.00
	<p>Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.</p>	
31 32 36 00-0011	EA Drilled GalvaDized™ SuperNail® up to 40 ft. length.....	1,235.00
	<p>Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.</p>	
31 32 36 00-0012	EA Drilled GalvaDized™ SuperNail® up to 50 ft. length.....	1,495.00
	<p>Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.</p>	
31 32 36 00-0013	EA Drilled GalvaDized™ SuperNail® up to 60 ft. length.....	1,755.00
	<p>Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.</p>	
31 32 36 00-0014	EA Drilled GalvaDized™ SuperNail® up to 70 ft. length.....	2,015.00
	<p>Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.</p>	
31 32 36 00-0015	EA Drilled GalvaDized™ SuperNail® up to 80 ft. length.....	2,275.00
	<p>Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.</p>	
31 32 36 00-0016	Self-Drilling SuperNails® / SuperMicropiles™ <small>(31 32 36 00-0001)</small>	
	<p>Note: Furnish Self-Drilling SuperNails® / SuperMicropiles™ that consist of a hollow, threaded bar with a sacrificial drill bit. Multiple bars may be coupled to produce final length. Bar thread pattern should be continuous and conform to the pullout requirements of ASTM A 615 (Williams Form Engineering "B7X" or Ischebeck "Titan" bars, or approved equivalent). R-thread bars, bars/couplers made from high carbon (>0.20%) or high phosphorous (>0.06%) steels, or bars/couplers made from steels that do not meet the tensile ductility requirements of ASTM A 615 shall not be used for any tensile applications. Bar outer diameters shall be a minimum of 1.5 inches and up to and 3 inches depending on design load. Corrosion Protection for Self Drilling Nails shall follow current FHWA guidance. Inserted length and spacing of Self-Drilling SuperNails® / SuperMicropiles™ will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.</p>	
31 32 36 00-0017	Self-Drilling SuperNails® <small>(31 32 36 00-0016)</small>	
31 32 36 00-0018	EA Self Drilling SuperNails® up to 20-ft	910.00
31 32 36 00-0019	EA Self Drilling SuperNails® up to 30-ft	1,300.00
31 32 36 00-0020	EA Self Drilling SuperNails® up to 40-ft	1,820.00
31 32 36 00-0021	EA Self Drilling SuperNails® up to 50-ft	2,340.00
31 32 36 00-0022	EA Self Drilling SuperNails® up to 60-ft	2,860.00
31 32 36 00-0023	EA Self Drilling SuperNails® up to 70-ft	3,380.00
31 32 36 00-0024	EA Self Drilling SuperNails® up to 80-ft	3,900.00
31 32 36 00-0025	Self-Drilling SuperMicropiles™ <small>(31 32 36 00-0016)</small>	
31 32 36 00-0026	EA Self Drilling SuperNails® SuperMicropiles™ up to 20-ft	910.00
31 32 36 00-0027	EA Self Drilling SuperNails® SuperMicropiles™ up to 30-ft	1,300.00



	Earthwork	31	
	Earthwork Methods	31 30	13
	Soil Stabilization	31 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 00-0028 EA Self Drilling SuperNails® SuperMicropiles™ up to 40-ft	1,820.00	
31 32 36 00-0029 EA Self Drilling SuperNails® SuperMicropiles™ up to 50-ft	2,340.00	
31 32 36 00-0030 LF Micropile Cap - 12" thick shotcrete.....	130.00	
31 32 36 00-0031 Drilled / Launched SuperMicropiles™ <small>(31 32 36 00-0001)</small>		
<p>Note: Furnish SuperMicropiles™ that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 threadbar as the inner bar. SuperMicropiles™ may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperMicropile™ outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner threadbar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.</p>		
31 32 36 00-0032 EA SuperMicropiles™ up to 20 ft. length.....	695.00	
<p>Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.</p>		
31 32 36 00-0033 EA SuperMicropiles™ up to 30 ft. length.....	1,020.00	
<p>Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.</p>		
31 32 36 00-0034 EA SuperMicropiles™ up to 40 ft. length.....	1,280.00	
<p>Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.</p>		
31 32 36 00-0035 EA SuperMicropiles™ up to 50 ft. length.....	1,540.00	
<p>Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.</p>		
31 32 36 00-0036 Shotcrete or Gunite <small>(31 32 36 00-0001)</small>		
31 32 36 00-0037 Dry-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ <small>(31 32 36 00-0036)</small>		
<p>Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a dry-mix. The dry-mix process consists of thoroughly mixing Portland cement and aggregate (and or synthetic fiber) thoroughly mixed dry, passed through a cement gun and conveyed by air through a flexible tube, hydrated at a nozzle at the end of such flexible tube and deposited by air pressure in its place of final repose. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, or III. Fine Aggregate AASHTO M6/ASTM C33 clean, natural, Coarse Aggregate AASHTO M80, Class B for quality Fiber Reinforcement ASTM C116-00 Water Clean and Potable. AASHTO M157/ASTM C94 and shall be maintained at a uniform pressure which shall be at least 15 pounds per square inch above air pressure at the nozzle. Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplasticizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight ½" 100 3/8" 90-100 No. 4 70-85 No. 8</p>		
<p>100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 Psi in 3 days and 4000 Psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C685. Use</p>		
31 32 36 00-0038 SFI Dry-Mix Reinforced Gunite.....	13.00	
<p>Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).</p>		

31	31	Earthwork
	31 30	Earthwork Methods
	31 32	Soil Stabilization



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 32 36 00-0039	Wet-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ <small>(31 32 36 00-0036)</small>	
	<p>Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a wet-mix. The wet-mix process consists of thoroughly mixing all the ingredients except accelerating admixtures, but including the mixing water, introducing the mixture into the delivery equipment and delivering it, by positive displacement, to the nozzle. Air jet the wet-mix shotcrete from the nozzle at high velocity onto the surface. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, III or V. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Water Clean and Potable. AASHTO M157/ASTM C94 Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplasticizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight ½" 100 3/8" 90-100 No. 4 70-85 No. 8</p> <p>100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 Psi in 3 days and 4000 Psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C685. Use mixing equipment that thoroughly blends the materials in sufficient quantity to maintain placing continuity. Produce ready mix shotcrete complying with A</p>	
31 32 36 00-0040	SFI Wet-Mix Reinforced Shotcrete .....6.50 Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).	
31 32 36 00-0041	Shotcrete or Gunitite for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® <small>(31 32 36 00-0036)</small>	
31 32 36 00-0042	LF Shotcrete shoulder build-out .....260.00	
31 32 36 00-0043	SF Acid Stained Shotcrete (gun finished) shotcrete .....3.25	
31 32 36 00-0044	SF Sculpt and stain shotcrete .....22.50	
31 32 36 00-0045	Steel Mesh, Turf Reinforcement Matting and Steel Plates for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® <small>(31 32 36 00-0001)</small>	
31 32 36 00-0046	Steel Mesh Surface Treatment for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® <small>(31 32 36 00-0045)</small>	
	<p>Note: Furnish Galfan® Coated Steel Mesh for use with Launched Soil Nails™, SuperNails®, or Self Drilling SuperNails® that is a double twisted hexagonal galvanized steel wire mesh manufactured according to ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions. Alternately, the mesh may be a diamond shaped, three dimensional mesh made with high capacity 3-millimeter diameter wire. Furnish steel plates to connect the mesh to the nail systems described herein. Furnish equipment and incidentals necessary to complete the work. Soil Nail to mesh connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.</p>	
31 32 36 00-0047	SF High Capacity Diamond Mesh .....19.50 Note: sold per square face foot	
31 32 36 00-0048	SF Double Twist Wire Mesh .....10.00 Note: sold per square face foot	
31 32 36 00-0049	Permanent Turf Reinforcing Mat (TRM) <small>(31 32 36 00-0045)</small>	
	<p>Note: Furnish a web of mechanically bonded synthetic fibers that are entangled to form a strong and dimensionally stable mat. Place fibers between 2 or 3 high-strength, biaxially oriented nets mechanically bound together by stitching with polyolefin thread. The netting material must be resistant to biological, chemical, and ultra-violet degradation.</p>	
31 32 36 00-0050	SF Permanent Turf Reinforcement Mat .....1.30 Note: sold per square face foot	
31 32 36 00-0051	Biodegradable Turf Reinforcing Mat (TRM) <small>(31 32 36 00-0045)</small>	
	<p>Note: Furnish a geotextile composed of seed free processed natural fiber matrix mechanically bound together with 100% degradable binding fiber or netting to form a continuous matrix.</p>	



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	Soil Stabilization	31 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 00-0052 SF Biodegradable Turf Reinforcement Mat Note: sold per square face foot	0.35	
31 32 36 00-0053 Steel Plates (31 32 36 00-0045)		
31 32 36 00-0054 EA Galvanized Steel Plates.....	35.00	
31 32 36 00-0055 BioWall® (31 32 36 00-0001) Note: Furnish and install the BioWall® to integrate with Launched Soil Nails™, SuperNails® or Self Drilling SuperNails®. The BioWall® is a confined soil/compost mass capable of sustaining vegetation at slope angles up to ¼(H):1(V), and is composed of 2 layers of galvanized wire mesh and 2 layers of lightweight geosynthetic encasing a seeded compost and/or topsoil mix, tied to the soil nails by steel plates. Furnish equipment and incidentals necessary to complete the work. BioWall® to soil nail connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.		
31 32 36 00-0056 SF BioWall®.....	50.00	
31 32 36 00-0057 GeoSynthetically Confined Soil™ (GCS®) Components (31 32 36 00-0001) Note: Furnish and install geosynthetic reinforcement, backfill and facing element to construct a Geosynthetically Confined Soil Wall™ (GCS®). Designs shall comply with the Design Standards for Geosynthetically Confined Soil Walls (adapted from the NCHRP Report 556 –"Design and Construction Guidelines for Geosynthetic – Reinforced Soil Bridge Abutments with a Flexible Facing") noted below. Reinforcement Selection and Placement: Geosynthetic reinforcement shall consist of high-tenacity geotextiles manufactured for soil reinforcement applications. Geotextiles shall not be exposed to sunlight and extreme temperatures for an extended period of time. Damaged or improperly handled geosynthetic reinforcement shall be rejected. Use a woven polypropylene geotextile with ultimate tensile strength of 2400 lbs/ft (Amoco 2044 or similar) in the cross-machine direction (as per ASTM D4595). The geosynthetic reinforcement perpendicular to the wall face should consist of one continuous piece of material. Overlap of reinforcement in the design strength direction is not permitted. Adjacent sections of geosynthetic reinforcement should be placed so as to ensure that horizontal coverage shown on the plans is provided. Tracked construction equipment shall not be operated directly on the geosynthetic reinforcement. A minimum backfill thickness of 150 mm (6 in.) is required before operation of tracked vehicles over the geosynthetic reinforcement. Turning of tracked vehicles should be kept to a minimum to prevent displacing the fill and damaging or moving the geosynthetic reinforcement. Rubber-tired equipment may pass over the geosynthetic reinforcement at slow speeds less than 17 km/hr (10 miles/hr). Sudden braking and sharp turning should be avoided. Backfill Specifications: Structure backfill material should consist of material free from organic or other unsuitable material as determined by the Contractor's Engineer. Grading of the backfill should be as follows: 100 percent passing 100 mm (4 in.) sieve, 0-60 percent passing No. 40 (0.425 mm) sieve, and 0-15 percent passing No. 200 (0.075mm) sieve; plasticity index (PI) as determined by AASHTO T90, should not exceed 6. The backfill should exhibit an angle of internal friction of not less than 34 degrees, as determined by the standard direct shear test on the portion finer than 2 mm (No.10) sieve, using a sample compacted to 95 percent of AASHTO T-99, Methods C or D, at optimum moisture content. No testing is required for backfills where 80 percent of sizes are greater than 19 mm. The backfill should be substantially free of shale or other soft, poor durability particles and should have an organic content not larger than 1 percent. The backfill should have a pH between 4.5 and 9. Backfill Placement: Reinforced fill should be placed as specified in construction plans in compacted lift thickness of 8in, but in no case in lifts greater than 12in. Reinforced fill should be placed and compacted at or within 2 percent dry of the optimum moisture content. If the reinforced fill is free draining (i.e., with less than 5 percent passing a No. 200 sieve), water content of the fill may be within ±3 percent of the optimum. A minimum density of 90 percent of standard Proctor density is required. Optimum compaction is 100 percent of AASHTO T-99 (or 95 percent of AASHTO T-180) but this may not be possible throughout the wall structure. If significant percentage of the backfill is coarse material (i.e., greater than 30 percent retained on the 19 mm, or ¾ in., sieve), a procedural specification may be used to verify compaction, (no less than two passes with a conventional vibratory plate compaction equipment). Backfill should be placed, spread, and compacted so as to prevent the development of wrinkles or movement of the geosynthetic reinforcement and the wall facing units. Only hand-operated compaction equipment should be allowed within 0.5 m (1.5 ft) of the front of t		
31 32 36 00-0058 SF GeoSynthetically Confined Soil™ (GCS®) Wall Note: Installation sold per square face foot (excludes materials)	32.50	
31 32 36 00-0059 EA GeoSynthetically Confined Soil™ (GCS®) Wall Concrete Masonry Units (approximately 8" x 8" x 16").....	4.60	
31 32 36 00-0060 EA GeoSynthetically Confined Soil™ (GCS®) Wall Galvanized Wire Basket Units (approximately 10" x 120").....	100.00	
31 32 36 00-0061 SF GeoSynthetically Confined Soil™ (GCS®) Wall Woven Geotextile.....	0.65	
31 32 36 00-0062 Launched SuperDrain™ (Horizontal Drains) (31 32 36 00-0001) Note: Furnish Launched SuperDrain™ up to 20 feet in length composed of a tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized 36ksi steel (ASTM A513) that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities). Drainage perforations consist of 0.5-inch diameter holes drilled or torch-cut at 6 inch spacing along the distal 5 feet of nail. Every other hole is rotated 90° about the longitudinal axis of the nail. Furnish equipment and incidentals necessary to complete the work. Insert Launched SuperDrain™ with a single stroke at initial velocities in excess of 200 miles per hour. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.		
31 32 36 00-0063 EA Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 20 ft. length	650.00	
31 32 36 00-0064 EA Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 30 ft. length	975.00	
31 32 36 00-0065 EA Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 40 ft. length	1,300.00	
31 32 36 00-0066 EA Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 50 ft. length	2,275.00	
31 32 36 00-0067 EA Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 60 ft. length	2,730.00	
31 32 36 00-0068 EA Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 70 ft. length	3,185.00	
31 32 36 00-0069 EA Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 80 ft. length	3,640.00	
31 32 36 00-0070 Mobilization / Demobilization (31 32 36 00-0001)		
31 32 36 00-0071 EA Mobilization (Out of State)	15,600.00	
31 32 36 00-0072 EA Mobilization (In State)	7,800.00	
31 32 36 00-0073 DAY Limited or Remote Access Surcharge	7,700.00	

31	31	Earthwork
	31 30	Earthwork Methods
	31 32	Soil Stabilization



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 00-0074 Grouting (31 32 36 00-0001)

31 32 36 00-0075 Compaction Grouting (31 32 36 00-0074)

Note: A. Furnish compaction grout material manufactured on-site (at the project location) in volumetric batching equipment so that grout rheology can be controlled real-time. The grout shall have a slump of 0.50" to 3.0" depending on the specific requirements of the project and shall conform to the engineering plans developed and submitted by the Contractor. Grout components shall consist of Type I/II cement, potable water and aggregate. Fly Ash may be added to the mix per the engineering plans. All aggregate for the compaction grout material shall meet the following requirements: a. 100% passing the 1/2" sieve b. Less than 2% organics c. No bentonite or other clay of medium to high plasticity shall be used. Site conditions and re-leveling requirements shall determine the exact proportions of cement, water and soil. The grout mix shall generally consist of aggregate with up to 12% cement by weight and water to form a very stiff mortar-like mixture. No admixtures shall be used without the Project Manager's approval, and previous testing. Mix design and test results of grout mixture must be submitted and approved by the Project Manager 15 Days prior to the commencement of the work. A. Gradations of the aggregate material to be utilized shall be submitted as part of the submittal process and prior to any work taking place. B. The compaction grouting mixer shall be of a type to ensure complete mixing of the stiff grout, as approved by the Project Manager. The compaction grout mixer shall be of sufficient capacity to continuously deliver grout having a slump of less than 1.5 inches at pressures up to 1,000 psi, at flow rates ranging from 0.1 to 5.0 cubic feet per minute. Gauges shall be provided at the pump and the grout pipe head to measure pressure the rate of flow. Type and location of gauges shall be as specified by the Contractor. A dial gauge or meter capable of measuring to 0.5 cubic feet or less shall be provided to measure the amount of grout pumped into the hole. A pressure gauge shall be graduated in 10-psi increments or less and used to measure the applied pressure. Compaction grout hose shall have a minimum inside diameter of 2 inches with non-restrictive full flow couplings. The hose shall be of sufficient strength for the pressures anticipated, and shall be in good condition.

31 32 36 00-0076	LF	Compaction Grouting Casing Installation.....	22.60
31 32 36 00-0077	CF	Compaction Grout Injection for Soils Densification.....	17.00
31 32 36 00-0078	CF	Compaction Grout For Void Fill.....	10.25

31 32 36 00-0079 Polyurethane Grouting (31 32 36 00-0074)

Note: A. The material shall be a two part 1:1 ratio by volume, polyurethane-forming mixture, having a water insoluble diluent, which permits the formation of polyurethanes in excess water. The material shall reach 90% Compressive strength in 30 minutes such that traffic may be returned to roadway within 30 minutes after last injection of material. Polyurethane Free-rise Physical Properties Property I Units ASTM Minimum Maximum Density - lb/cf D 1622 3.0 lb/cf 6.0 lb/cf Tensile Strength - psi D 1623 80 psi Compressive Strength at Yield Point - psi D 1621 60 psi B. Furnish equipment and incidentals necessary to complete the work. Polyurethane grout shall not be used for deep injection (deeper than 3 ft below bottom of structure) or soils densification, it shall only be used for void filling under structures and for re-leveling. The Contractor shall prepare a profile to determine the areas that require void filling and re-leveling and determine the locations of the injection holes for each treated area. The Contractor shall obtain approval for the final proposed grades and the location of injection holes. The Contractor shall submit a plan for approval of the proposed polyurethane injection methods for the designated project areas. The plan shall include, but not be limited to: proposed diameter of casing (if required), depth of placement, angle of inclination, injection tube spacing, and project staging. The plan shall include monitoring procedures to ensure that damage will not occur to any existing structures due to the injection process. Monitoring devices shall be installed on mechanically stabilized earth retaining systems and between approach slabs and approach slab footings or other components to help prevent damage. The Contractor shall drill a pattern of holes as proposed in his plan. The holes shall be located in a manner that the void filling and structure lifting process does not affect any adjoining structures, such as mechanically stabilized earth retaining walls. Holes shall not be drilled within 4" of the edge of the slab, construction joints or major cracks. No more holes shall be drilled and tubes installed during the day than can be filled during that day. On bridge approach and roadway projects, and as applicable, the initial lift shall be at the sleeper footer. The Contractor shall lift the sleeper footer and the approach slab to the desired elevation by injecting material under the structures with care to assure that polyurethane material is not placed between the sleeper footer and the approach slab. The amount of rise shall be controlled by regulating the rate of injection of the high density polyurethane material. When the nozzle is removed from the hole, any excessive polyurethane material shall be removed from the area.

31 32 36 00-0080	LBS	Polyurethane Grouting For Void Fill and Re-Leveling.....	9.35
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31 36 Gabions (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

31 36 13 Gabion Boxes (31 36)

31 36 13 00-0001 Stone Filled Gabion Slope Protection (31 36 13)

Note: Machine placed by SY of total top face area for depth indicated.

31 36 13 00-0002	SY	6" Deep Stone Filled Gabion Slope Protection	69.48
31 36 13 00-0003	SY	9" Deep Stone Filled Gabion Slope Protection	84.14
31 36 13 00-0004	SY	12" Deep Stone Filled Gabion Slope Protection	106.63
31 36 13 00-0005	SY	15" Deep Stone Filled Gabion Slope Protection	123.94
31 36 13 00-0006	SY	18" Deep Stone Filled Gabion Slope Protection	144.82
31 36 13 00-0007	SY	24" Deep Stone Filled Gabion Slope Protection	199.86
31 36 13 00-0008	SY	36" Deep Stone Filled Gabion Slope Protection	254.26

31 37 Riprap (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

31 37 00 00-0001 Random - Filter Stone (31 37)

31 37 00 00-0002	CY	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	71.10
		<i>For Chinking Material, Add</i>	12.60
31 37 00 00-0003	CY	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	83.98
		<i>For Chinking Material, Add</i>	12.60



	Earthwork	31	
	Earthwork Methods	31 30	
	Riprap	31 37	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 37 00 00-0004 CY >100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap..... <i>For Chinking Material, Add</i>	90.04 12.60	
31 37 00 00-0005 CY >200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap..... <i>For Chinking Material, Add</i>	96.95 12.60	
31 37 00 00-0006 CY >300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap..... <i>For Chinking Material, Add</i>	102.51 12.60	
31 37 00 00-0007 CY >600 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	111.62	
31 37 00 00-0008 CY 3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap.....	118.36	
31 37 00 00-0009 TON 10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	46.34	
31 37 00 00-0010 TON >50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	54.52	
31 37 00 00-0011 TON >100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	58.37	
31 37 00 00-0012 TON >200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	62.75	
31 37 00 00-0013 TON >300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	66.29	
31 37 00 00-0014 TON >600 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	72.14	
31 37 00 00-0015 TON 3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap.....	78.18	

31 40 Shoring And Underpinning ⁽³¹⁾

31 41 Shoring ^(31 40)

31 41 13 Timber Shoring ^(31 41)

31 41 13 00-0001 Wood Sheet Piling ^(31 41 13)

31 41 13 00-0002 Pull And Salvage ^(31 41 13 00-0001)

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 13 00-0003 SF Wood Shoring, 8' Deep Excavation, Pull And Salvage..... <i>For Wood Sheeting Left In Place</i>	8.21 -0.34	
31 41 13 00-0004 SF Wood Shoring, 10' Deep Excavation, Pull And Salvage..... <i>For Wood Sheeting Left In Place</i>	8.87 -0.46	
31 41 13 00-0005 SF Wood Shoring, 12' Deep Excavation, Pull And Salvage..... <i>For Wood Sheeting Left In Place</i>	9.60 -0.58	
31 41 13 00-0006 SF Wood Shoring, 14' Deep Excavation, Pull And Salvage..... <i>For Wood Sheeting Left In Place</i>	10.36 -0.73	
31 41 13 00-0007 SF Wood Shoring, 16' Deep Excavation, Pull And Salvage..... <i>For Wood Sheeting Left In Place</i>	11.20 -0.88	
31 41 13 00-0008 SF Wood Shoring, 18' Deep Excavation, Pull And Salvage..... <i>For Wood Sheeting Left In Place</i>	12.12 -1.06	
31 41 13 00-0009 SF Wood Shoring, 20' Deep Excavation, Pull And Salvage..... <i>For Wood Sheeting Left In Place</i>	13.11 -1.24	

31 41 16 Sheet Piling ^(31 41)

31 41 16 13 Steel Sheet Piling ^(31 41 16)

31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage ^(31 41 16 13)

Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 16 13-0002 TON Shoring For 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage..... <i>For Standard Sheeting Left In Place, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i> <i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i> <i>For High Strength Sheeting 55,000 PSI Grade, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i> <i>For Each Additional Month >3 Months, Add</i>	1,456.66 929.78 1,293.75 90.99 101.10 313.42 50.55	
31 41 16 13-0003 TON Shoring For 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage..... <i>For Standard Sheeting Left In Place, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i> <i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i> <i>For High Strength Sheeting 55,000 PSI Grade, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i> <i>For Each Additional Month >3 Months, Add</i>	1,507.90 904.16 1,268.13 90.99 101.10 313.42 50.55	
31 41 16 13-0004 TON Shoring For 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage..... <i>For Standard Sheeting Left In Place, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i> <i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i> <i>For High Strength Sheeting 55,000 PSI Grade, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i> <i>For Each Additional Month >3 Months, Add</i>	1,746.14 785.04 1,149.01 90.99 101.10 313.42 50.55	
31 41 16 13-0005 TON Shoring For 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage..... <i>For Standard Sheeting Left In Place, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i> <i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i> <i>For High Strength Sheeting 55,000 PSI Grade, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i> <i>For Each Additional Month >3 Months, Add</i>	1,975.39 670.41 1,034.39 90.99 101.10 313.42 50.55	

31	31 Earthwork
	31 40 Shoring And Underpinning
	31 41 Shoring



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 41 16 13-0006 TON Shoring For 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,110.24	
For Standard Sheeting Left In Place, Add	602.99	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	966.96	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	90.99	
For High Strength Sheeting 55,000 PSI Grade, Add	101.10	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	313.42	
For Each Additional Month >3 Months, Add	50.55	
31 41 16 13-0007 TON Shoring For 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,247.79	
For Standard Sheeting Left In Place, Add	534.21	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	898.19	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	90.99	
For High Strength Sheeting 55,000 PSI Grade, Add	101.10	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	313.42	
For Each Additional Month >3 Months, Add	50.55	
31 41 16 13-0008 Steel Shoring Plates (31 41 16 13)		
31 41 16 13-0009 EA 1/2" x 12" x 12" Steel Plate For Shoring.....	20.50	
31 45 Vibroflotation And Densification (31 45)		
31 45 13 Vibroflotation (31 45)		
31 45 13 00-0001 LCY Soil Stabilization, Vibroflotation.....	9.71	
31 50 Excavation Support And Protection (31)		
31 52 Cofferdams (31 50)		
31 52 21 Portable Cofferdams (31 52)		
31 52 21 00-0001 Portable Cofferdam (31 52 21)		
Note: Excludes dewatering and pumps.		
31 52 21 00-0002 Portable Cofferdam Rental (31 52 21 00-0001)		
Note: Excludes delivery and installation.		
31 52 21 00-0003 LF 3' High x 7' Width, Portable Cofferdam, Rental Per Month	25.09	
Note: Minimum 40'		
31 52 21 00-0004 LF 4' High x 9' Width, Portable Cofferdam, Rental Per Month	32.12	
Note: Minimum 40'		
31 52 21 00-0005 LF 5' High x 11' Width, Portable Cofferdam, Rental Per Month	45.16	
Note: Minimum 40'		
31 52 21 00-0006 LF 6' High x 13' Width, Portable Cofferdam, Rental Per Month	58.21	
Note: Minimum 40'		
31 52 21 00-0007 LF 8' High x 17' Width, Portable Cofferdam, Rental Per Month	75.27	
Note: Minimum 40'		
31 52 21 00-0008 LF 10' High x 21' Width, Portable Cofferdam, Rental Per Month.....	150.54	
Note: Minimum 40'		
31 52 21 00-0009 LF 12' High x 25' Width, Portable Cofferdam, Rental Per Month.....	210.76	
Note: Minimum 40'		
31 52 21 00-0010 LF 16' High x 33' Width, Portable Cofferdam, Rental Per Month.....	298.07	
Note: Minimum 40'		
31 52 21 00-0011 Portable Cofferdam Delivery And Set-up (31 52 21 00-0001)		
Note: Excludes crane usage where required.		
31 52 21 00-0012 LF Up To 5' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	6.55	
31 52 21 00-0013 LF 6' To 8' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	10.48	
31 52 21 00-0014 LF 10' To 12' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	15.72	
31 52 21 00-0015 LF 16' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water.....	20.96	
31 52 21 00-0016 LF Up To 5' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water.....	3.93	
31 52 21 00-0017 LF 6' To 8' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water.....	6.55	
31 52 21 00-0018 LF 10' To 12' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water.....	10.48	
31 52 21 00-0019 LF 16' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water.....	14.41	
31 52 21 00-0020 Portable Cofferdam Repositioning (31 52 21 00-0001)		
31 52 21 00-0021 LF Up To 5' High, Portable Cofferdam, Repositioning	3.27	
31 52 21 00-0022 LF 6' To 8' High, Portable Cofferdam, Repositioning	5.24	
31 52 21 00-0023 LF 10' To 12' High, Portable Cofferdam, Repositioning	7.86	
31 52 21 00-0024 LF 16' High, Portable Cofferdam, Repositioning	10.48	
31 60 Special Foundations And Load-bearing Elements (31)		
31 62 Driven Piles (31 60)		
31 62 13 Concrete Piles (31 62)		
31 62 13 19 Precast Concrete Piles (31 62 13)		



Earthwork	31	15
Special Foundations And Load-bearing Elements	31 60	
Driven Piles	31 62	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 13 19-0001 Tapered Friction Piles With Fluted Steel Casing Up To 50' <small>(31 62 13 19)</small> Note: With 4000 PSI concrete. Excludes reinforcing.		
31 62 13 19-0002 VLF 12" Diameter Tapered Friction Steel Pile, 7 Gauge <i>For Piles Driven In Water, Add</i>	40.68 13.01	
31 62 13 19-0003 VLF 14" Diameter Tapered Friction Steel Pile, 7 Gauge <i>For Piles Driven In Water, Add</i>	41.77 13.75	
31 62 13 19-0004 VLF 16" Diameter Tapered Friction Steel Pile, 7 Gauge <i>For Piles Driven In Water, Add</i>	50.90 15.40	
31 62 13 19-0005 VLF 18" Diameter Tapered Friction Steel Pile, 7 Gauge <i>For Piles Driven In Water, Add</i>	58.68 17.05	
31 62 13 19-0006 Constant Diameter Pile, End Bearing, With Fluted Steel Casing <small>(31 62 13 19)</small> Note: Up to 50'. Excludes reinforced.		
31 62 13 19-0007 VLF 12" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge <i>For Piles Driven In Water, Add</i>	41.46 13.09	
31 62 13 19-0008 VLF 14" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge <i>For Piles Driven In Water, Add</i>	50.22 14.60	
31 62 13 19-0009 VLF 16" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge <i>For Piles Driven In Water, Add</i>	56.82 16.00	
31 62 13 19-0010 VLF 18" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge <i>For Piles Driven In Water, Add</i>	61.81 17.36	
31 62 13 19-0011 Thin Wall Shell Straight Sided <small>(31 62 13 19)</small>		
31 62 13 19-0012 VLF 8" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	24.58 10.00 0.04	
31 62 13 19-0013 VLF 10" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	27.13 11.09 0.04	
31 62 13 19-0014 VLF 12" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	29.67 12.18 0.05	
31 62 13 19-0015 VLF 14" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	32.22 13.28 0.05	
31 62 13 19-0016 VLF 16" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	34.79 14.38 0.06	
31 62 13 23 Prestressed Concrete Piles <small>(31 62 13)</small>		
31 62 13 23-0001 Square Piles <small>(31 62 13 23)</small>		
31 62 13 23-0002 VLF 10" Prestressed Square Concrete Pile <i>For Piles Driven In Water, Add</i>	18.42 9.51	
31 62 13 23-0003 VLF 12" Prestressed Square Concrete Pile <i>For Piles Driven In Water, Add</i>	22.92 10.67	
31 62 13 23-0004 VLF 14" Prestressed Square Concrete Pile <i>For Piles Driven In Water, Add</i>	27.61 11.71	
31 62 13 23-0005 VLF 16" Prestressed Square Concrete Pile <i>For Piles Driven In Water, Add</i>	33.61 12.94	
31 62 13 23-0006 VLF 18" Prestressed Square Concrete Pile <i>For Piles Driven In Water, Add</i>	40.62 14.38	
31 62 13 23-0007 VLF 20" Prestressed Square Concrete Pile <i>For Piles Driven In Water, Add</i>	46.88 15.87	
31 62 13 23-0008 VLF 24" Prestressed Square Concrete Pile <i>For Piles Driven In Water, Add</i>	59.49 18.14	
31 62 13 23-0009 Octagonal Pile <small>(31 62 13 23)</small>		
31 62 13 23-0010 VLF 12" Prestressed Octagonal Concrete Pile..... <i>For Piles Driven In Water, Add</i>	29.97 10.89	
31 62 13 23-0011 VLF 14" Prestressed Octagonal Concrete Pile..... <i>For Piles Driven In Water, Add</i>	37.58 12.14	
31 62 13 23-0012 VLF 16" Prestressed Octagonal Concrete Pile..... <i>For Piles Driven In Water, Add</i>	45.28 13.47	
31 62 13 23-0013 VLF 18" Prestressed Octagonal Concrete Pile..... <i>For Piles Driven In Water, Add</i>	54.82 15.06	
31 62 13 23-0014 VLF 20" Prestressed Octagonal Concrete Pile..... <i>For Piles Driven In Water, Add</i>	99.81 20.30	
31 62 13 23-0015 VLF 24" Prestressed Octagonal Concrete Pile..... <i>For Piles Driven In Water, Add</i>	61.90 17.37	
31 62 13 23-0016 Straight Cylinder <small>(31 62 13 23)</small>		
31 62 13 23-0017 VLF 12" Diameter Prestressed Concrete Pile 2-3/8" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	22.59 9.71	
31 62 13 23-0018 VLF 14" Diameter Prestressed Concrete Pile 2-1/2" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	26.35 10.53	
31 62 13 23-0019 VLF 16" Diameter Prestressed Concrete Pile 3" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	30.78 11.46	

31	31 Earthwork
	31 60 Special Foundations And Load-bearing Elements
	31 62 Driven Piles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 13 23-0020 VLF 18" Diameter Prestressed Concrete Pile 3" Wall, Straight Cylinder.....	34.59	
<i>For Piles Driven In Water, Add</i>	12.41	
31 62 13 23-0021 VLF 20" Diameter Prestressed Concrete Pile 3-1/2" Wall, Straight Cylinder.....	42.71	
<i>For Piles Driven In Water, Add</i>	13.85	
31 62 13 23-0022 VLF 24" Diameter Prestressed Concrete Pile 3-1/2" Wall, Straight Cylinder.....	52.10	
<i>For Piles Driven In Water, Add</i>	15.52	
31 62 16 Steel Piles <small>(31 62)</small>		
31 62 16 16 Steel H Piles <small>(31 62 16)</small>		
31 62 16 16-0001 Steel H-Section Piles <small>(31 62 16 16)</small>		
31 62 16 16-0002 VLF 8 x 8 x 36 LB/FT Driven Steel H-Section Pile Rolled Steel	38.60	
<i>For Piles Driven In Water, Add</i>	12.24	
31 62 16 16-0003 VLF 10 x 10 x 42 LB/FT Driven Steel H-Section Pile Rolled Steel	43.96	
<i>For Piles Driven In Water, Add</i>	13.20	
31 62 16 16-0004 VLF 10 x 10 x 57 LB/FT Driven Steel H-Section Pile Rolled Steel	56.16	
<i>For Piles Driven In Water, Add</i>	14.42	
31 62 16 16-0005 VLF 12 x 12 x 53 LB/FT Driven Steel H-Section Pile Rolled Steel	53.20	
<i>For Piles Driven In Water, Add</i>	14.38	
31 62 16 16-0006 VLF 12 x 12 x 63 LB/FT Driven Steel H-Section Pile Rolled Steel	61.33	
<i>For Piles Driven In Water, Add</i>	15.20	
31 62 16 16-0007 VLF 12 x 12 x 74 LB/FT Driven Steel H-Section Pile Rolled Steel	71.13	
<i>For Piles Driven In Water, Add</i>	16.93	
31 62 16 16-0008 VLF 12 x 12 x 84 LB/FT Driven Steel H-Section Pile Rolled Steel	79.26	
<i>For Piles Driven In Water, Add</i>	17.75	
31 62 16 16-0009 VLF 14 x 14 x 73 LB/FT Driven Steel H-Section Pile Rolled Steel	70.57	
<i>For Piles Driven In Water, Add</i>	17.11	
31 62 16 16-0010 VLF 14 x 14 x 89 LB/FT Driven Steel H-Section Pile Rolled Steel	84.40	
<i>For Piles Driven In Water, Add</i>	18.49	
31 62 16 16-0011 VLF 14 x 14 x 102 LB/FT Driven Steel H-Section Pile Rolled Steel	95.10	
<i>For Piles Driven In Water, Add</i>	20.40	
31 62 16 16-0012 VLF 14 x 14 x 117 LB/FT Driven Steel H-Section Pile Rolled Steel	108.12	
<i>For Piles Driven In Water, Add</i>	21.70	
31 62 16 16-0013 Splices, Caps, And Points For H-Piles <small>(31 62 16 16)</small>		
31 62 16 16-0014 EA 8" H-Section Pile Splice Rolled Steel	262.52	
31 62 16 16-0015 EA 10" H-Section Pile Splice Rolled Steel	320.32	
31 62 16 16-0016 EA 12" H-Section Pile Splice Rolled Steel	418.08	
31 62 16 16-0017 EA 14" H-Section Pile Splice Rolled Steel	446.98	
31 62 16 16-0018 EA 8" H-Section Driving Cap Rolled Steel	4,697.23	
31 62 16 16-0019 EA 10" H-Section Driving Cap Rolled Steel	4,697.23	
31 62 16 16-0020 EA 12" H-Section Driving Cap Rolled Steel	4,733.38	
31 62 16 16-0021 EA 14" H-Section Driving Cap Rolled Steel	7,189.75	
31 62 16 16-0022 EA 8" H-Section Standard Point Standard, Rolled Steel	291.42	
31 62 16 16-0023 EA 10" H-Section Standard Point Standard, Rolled Steel	320.32	
31 62 16 16-0024 EA 12" H-Section Standard Point Standard, Rolled Steel	418.08	
31 62 16 16-0025 EA 14" H-Section Standard Point Standard, Rolled Steel	504.78	
31 62 16 16-0026 EA 10" H-Section Standard Point Heavy Duty, Rolled Steel	418.08	
31 62 16 16-0027 EA 14" H-Section Standard Point Heavy Duty, Rolled Steel	560.75	
31 62 16 19 Unfilled Tubular Steel Piles <small>(31 62 16)</small>		
31 62 16 19-0001 Pipe Piles, Non-Filled <small>(31 62 16 19)</small>		
31 62 16 19-0002 VLF 8" Diameter Non-Filled Steel Pipe Piles.....	25.45	
<i>For Piles Driven In Water, Add</i>	13.27	
31 62 16 19-0003 VLF 10" Diameter Non-Filled Steel Pipe Piles.....	28.84	
<i>For Piles Driven In Water, Add</i>	13.61	
31 62 16 19-0004 VLF 12" Diameter Non-Filled Steel Pipe Piles.....	33.45	
<i>For Piles Driven In Water, Add</i>	14.64	
31 62 16 19-0005 VLF 14" Diameter Non-Filled Steel Pipe Piles.....	36.28	
<i>For Piles Driven In Water, Add</i>	16.11	
31 62 16 19-0006 VLF 16" Diameter Non-Filled Steel Pipe Piles.....	40.37	
<i>For Piles Driven In Water, Add</i>	17.97	
31 62 16 19-0007 VLF 18" Diameter Non-Filled Steel Pipe Piles.....	49.13	
<i>For Piles Driven In Water, Add</i>	20.03	
31 62 16 19-0008 Splices And Points For Pipe Pile <small>(31 62 16 19)</small>		
31 62 16 19-0009 Splice <small>(31 62 16 19-0008)</small>		
31 62 16 19-0010 EA 8" Diameter Pipe Pile Splice Steel	166.45	
31 62 16 19-0011 EA 10" Diameter Pipe Pile Splice Steel	177.41	
31 62 16 19-0012 EA 12" Diameter Pipe Pile Splice Steel	232.09	
31 62 16 19-0013 EA 14" Diameter Pipe Pile Splice Steel	242.90	
31 62 16 19-0014 EA 16" Diameter Pipe Pile Splice Steel	291.48	
31 62 16 19-0015 EA 18" Diameter Pipe Pile Splice Steel	349.82	
31 62 16 19-0016 Standard Point <small>(31 62 16 19-0008)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 19-0017 EA 8" Diameter Steel Pipe Pile Standard Point	167.92	
31 62 16 19-0018 EA 10" Diameter Steel Pipe Pile Standard Point	176.70	
31 62 16 19-0019 EA 12" Diameter Steel Pipe Pile Standard Point	199.61	
31 62 16 19-0020 EA 14" Diameter Steel Pipe Pile Standard Point	223.75	
31 62 16 19-0021 EA 16" Diameter Steel Pipe Pile Standard Point	245.70	
31 62 16 19-0022 EA 18" Diameter Steel Pipe Pile Standard Point	283.91	
31 62 16 19-0023 Heavy Duty Point <small>(31 62 16 19-0008)</small>		
31 62 16 19-0024 EA 10" Diameter Steel Pipe Pile Point Heavy Duty	247.00	
31 62 16 19-0025 EA 12" Diameter Steel Pipe Pile Point Heavy Duty	257.97	
31 62 16 19-0026 EA 14" Diameter Steel Pipe Pile Point Heavy Duty	288.60	
31 62 16 19-0027 EA 16" Diameter Steel Pipe Pile Point Heavy Duty	332.50	
31 62 16 19-0028 EA 18" Diameter Steel Pipe Pile Point Heavy Duty	373.09	
31 62 19 Timber Piles <small>(31 62)</small>		
31 62 19 00-0001 Treated Wood Piles, Friction Or End Bearing 12 LB <small>(31 62 19)</small>		
<small>Note: Penta-treated/CF.</small>		
31 62 19 00-0002 LF 12" Butt x 8" Tip Treated Wood Piles Up To 30'	27.42	
<small>For Piles Driven In Water, Add</small>		
<small>For Untreated Pile, Deduct</small>		
<small>For Each Pile Tip Point, Add</small>		
<small>For Each Pile Butt, Driving Cap, Add</small>		
<small>For Each Splice For Pile >50', Add</small>		
31 62 19 00-0003 LF 12" Butt x 8" Tip Treated Wood Piles 30' To 39'	28.66	
<small>For Piles Driven In Water, Add</small>		
<small>For Untreated Pile, Deduct</small>		
<small>For Each Pile Tip Point, Add</small>		
<small>For Each Pile Butt, Driving Cap, Add</small>		
<small>For Each Splice For Pile >50', Add</small>		
31 62 19 00-0004 LF 12" Butt x 7" Tip Treated Wood Pile 40' To 49'	30.17	
<small>For Piles Driven In Water, Add</small>		
<small>For Untreated Pile, Deduct</small>		
<small>For Each Pile Tip Point, Add</small>		
<small>For Each Pile Butt, Driving Cap, Add</small>		
<small>For Each Splice For Pile >50', Add</small>		
31 62 19 00-0005 LF 13" Butt x 7" Tip Treated Wood Pile 50' To 59'	32.30	
<small>For Piles Driven In Water, Add</small>		
<small>For Untreated Pile, Deduct</small>		
<small>For Each Pile Tip Point, Add</small>		
<small>For Each Pile Butt, Driving Cap, Add</small>		
<small>For Each Splice For Pile >50', Add</small>		
31 62 19 00-0006 LF 13" Butt x 6" Tip Wood Pile 60' To 69'	40.70	
<small>For Piles Driven In Water, Add</small>		
<small>For Untreated Pile, Deduct</small>		
<small>For Each Pile Tip Point, Add</small>		
<small>For Each Pile Butt, Driving Cap, Add</small>		
<small>For Each Splice For Pile >50', Add</small>		
31 62 19 00-0007 LF 13" Butt x 6" Tip Wood Pile 70' To 79'	51.08	
<small>For Piles Driven In Water, Add</small>		
<small>For Untreated Pile, Deduct</small>		
<small>For Each Pile Tip Point, Add</small>		
<small>For Each Pile Butt, Driving Cap, Add</small>		
<small>For Each Splice For Pile >50', Add</small>		
31 62 23 Composite Piles <small>(31 62)</small>		
31 62 23 13 Concrete-Filled Steel Piles <small>(31 62 23)</small>		
31 62 23 13-0001 Concrete Filled Pipe Piles <small>(31 62 23 13)</small>		
<small>Note: All material included in cost.</small>		
31 62 23 13-0002 VLF 8" Diameter Concrete Filled Steel Pipe Piles, 29 LB/FT	27.84	
<small>For Piles Driven In Water, Add</small>		
31 62 23 13-0003 VLF 10" Diameter Concrete Filled Steel Pipe Piles, 34 LB/FT	32.29	
<small>For Piles Driven In Water, Add</small>		
31 62 23 13-0004 VLF 12" Diameter Concrete Filled Steel Pipe Piles, 42 LB/FT	38.32	
<small>For Piles Driven In Water, Add</small>		
31 62 23 13-0005 VLF 14" Diameter Concrete Filled Steel Pipe Piles, 46 LB/FT	42.85	
<small>For Piles Driven In Water, Add</small>		
31 62 23 13-0006 VLF 16" Diameter Concrete Filled Steel Pipe Piles, 52 LB/FT	47.50	
<small>For Piles Driven In Water, Add</small>		
31 62 23 13-0007 VLF 18" Diameter Concrete Filled Steel Pipe Piles, 59 LB/FT	57.70	
<small>For Piles Driven In Water, Add</small>		
31 64 Caissons <small>(31 60)</small>		
31 64 13 Box Caissons <small>(31 64)</small>		
31 64 13 00-0001 Caisson In Stable Ground No Casing Or Ground Water <small>(31 64 13)</small>		
<small>Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.</small>		

31 Earthwork**31 60 Special Foundations And Load-bearing Elements****31 64 Caissons**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 64 13 00-0002 Caisson In Stable Ground <small>(31 64 13 00-0001)</small>		
Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0003	VLF 18" Diameter Caisson, No Casing Stable Ground, No Ground Water	40.68
	Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.	
	For >50' To 100' Deep, Add	4.25
	For >100' To 150' Deep, Add	10.17
	For >150' To 200' Deep, Add	13.95
	For Right Angle Drilling, Add	9.87
31 64 13 00-0004	VLF 24" Diameter Caisson, No Casing Stable Ground, No Ground Water	52.79
	Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.	
	For >50' To 100' Deep, Add	5.99
	For >100' To 150' Deep, Add	13.20
	For >150' To 200' Deep, Add	18.71
	For Right Angle Drilling, Add	11.31
31 64 13 00-0005	VLF 30" Diameter Caisson, No Casing Stable Ground, No Ground Water	76.58
	Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.	
	For >50' To 100' Deep, Add	9.05
	For >100' To 150' Deep, Add	19.15
	For >150' To 200' Deep, Add	27.58
	For Right Angle Drilling, Add	15.28
31 64 13 00-0006	VLF 36" Diameter Caisson, No Casing Stable Ground, No Ground Water	102.86
	Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.	
	For >50' To 100' Deep, Add	12.50
	For >100' To 150' Deep, Add	25.72
	For >150' To 200' Deep, Add	37.48
	For Right Angle Drilling, Add	19.44
31 64 13 00-0007	VLF 42" Diameter Caisson, No Casing Stable Ground, No Ground Water	135.17
	Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.	
	For >50' To 100' Deep, Add	16.96
	For >100' To 150' Deep, Add	33.79
	For >150' To 200' Deep, Add	49.93
	For Right Angle Drilling, Add	23.87
31 64 13 00-0008	VLF 48" Diameter Caisson No Casing Stable Ground, No Ground Water	162.22
	Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.	
	For >50' To 100' Deep, Add	20.62
	For >100' To 150' Deep, Add	40.56
	For >150' To 200' Deep, Add	60.25
	For Right Angle Drilling, Add	27.82
31 64 13 00-0009	VLF 54" Diameter Caisson No Casing Stable Ground, No Ground Water	200.06
	Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.	
	For >50' To 100' Deep, Add	26.09
	For >100' To 150' Deep, Add	50.02
	For >150' To 200' Deep, Add	75.13
	For Right Angle Drilling, Add	32.25
31 64 13 00-0010	VLF 60" Diameter Caisson No Casing Stable Ground, No Ground Water	237.28
	Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.	
	For >50' To 100' Deep, Add	31.47
	For >100' To 150' Deep, Add	59.32
	For >150' To 200' Deep, Add	89.76
	For Right Angle Drilling, Add	36.61
31 64 13 00-0011	VLF 66" Diameter Caisson No Casing Stable Ground, No Ground Water	279.50
	Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF.	
	For >50' To 100' Deep, Add	37.55
	For >100' To 150' Deep, Add	69.88
	For >150' To 200' Deep, Add	106.33
	For Right Angle Drilling, Add	41.64
31 64 13 00-0012	VLF 72" Diameter Caisson No Casing Stable Ground, No Ground Water	329.29
	Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.	
	For >50' To 100' Deep, Add	44.76
	For >100' To 150' Deep, Add	82.32
	For >150' To 200' Deep, Add	125.92
	For Right Angle Drilling, Add	47.42
31 64 13 00-0013	VLF 78" Diameter Caisson No Casing Stable Ground, No Ground Water	378.48
	Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.	
	For >50' To 100' Deep, Add	51.97
	For >100' To 150' Deep, Add	94.62
	For >150' To 200' Deep, Add	145.39
	For Right Angle Drilling, Add	52.86
31 64 13 00-0014	VLF 84" Diameter Caisson No Casing Stable Ground, No Ground Water	431.14
	Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.	
	For >50' To 100' Deep, Add	59.72
	For >100' To 150' Deep, Add	107.79
	For >150' To 200' Deep, Add	166.27
	For Right Angle Drilling, Add	58.58
31 64 13 00-0015 For Bell Excavation And Concrete, Add <small>(31 64 13 00-0001)</small>		
31 64 13 00-0016	EA Bell Excavation And Concrete, 4' Bell Diameter Stable Ground, 24" Shaft, 0.44 CY	270.99
	For >50' To 100' Deep, Add	22.09
	For >100' To 150' Deep, Add	67.75
	For >150' To 200' Deep, Add	85.20
31 64 13 00-0017	EA Bell Excavation And Concrete, 6' Bell Diameter Stable Ground, 30" Shaft, 1.57 CY	952.67
	For >50' To 100' Deep, Add	77.80
	For >100' To 150' Deep, Add	238.17
	For >150' To 200' Deep, Add	299.69



Earthwork	31
Special Foundations And Load-bearing Elements	31 60
Caissons	31 64

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0018 EA Bell Excavation And Concrete, 7' Bell Diameter Stable Ground, 36" Shaft, 2.33 CY.....	1,441.34	
For >50' To 100' Deep, Add	119.59	
For >100' To 150' Deep, Add	360.34	
For >150' To 200' Deep, Add	455.77	
31 64 13 00-0019 EA Bell Excavation And Concrete, 8' Bell Diameter Stable Ground, 42" Shaft, 3.30 CY.....	2,000.80	
For >50' To 100' Deep, Add	166.33	
For >100' To 150' Deep, Add	500.20	
For >150' To 200' Deep, Add	633.09	
31 64 13 00-0020 EA Bell Excavation And Concrete, 9' Bell Diameter Stable Ground, 48" Shaft, 4.48 CY.....	2,714.25	
For >50' To 100' Deep, Add	221.60	
For >100' To 150' Deep, Add	678.56	
For >150' To 200' Deep, Add	853.78	
31 64 13 00-0021 EA Bell Excavation And Concrete, 10' Bell Diameter Stable Ground, 60" Shaft, 5.24 CY.....	3,191.54	
For >50' To 100' Deep, Add	260.45	
For >100' To 150' Deep, Add	797.89	
For >150' To 200' Deep, Add	1,003.76	
31 64 13 00-0022 EA Bell Excavation And Concrete, 12' Bell Diameter Stable Ground, 72" Shaft, 8.74 CY.....	5,412.60	
For >50' To 100' Deep, Add	440.81	
For >100' To 150' Deep, Add	1,353.15	
For >150' To 200' Deep, Add	1,701.19	
31 64 13 00-0023 EA Bell Excavation And Concrete, 14' Bell Diameter Stable Ground, 84" Shaft, 13.6 CY.....	7,827.36	
For >50' To 100' Deep, Add	643.99	
For >100' To 150' Deep, Add	1,956.84	
For >150' To 200' Deep, Add	2,468.30	
31 64 13 00-0024 Caisson In Wet Ground, Casing Pulled ^(31 64 13)		
Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
31 64 13 00-0025 Caisson In Wet Ground ^(31 64 13 00-0024)		
Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0026 VLF 18" Diameter Caisson Wet Ground, Casing Pulled.....	44.47	
Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
For >50' To 100' Deep, Add	4.51	
For >100' To 150' Deep, Add	11.12	
For >150' To 200' Deep, Add	15.08	
For Right Angle Drilling, Add	11.21	
31 64 13 00-0027 VLF 24" Diameter Caisson Wet Ground, Casing Pulled.....	73.76	
Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
For >50' To 100' Deep, Add	7.46	
For >100' To 150' Deep, Add	18.44	
For >150' To 200' Deep, Add	25.00	
For Right Angle Drilling, Add	18.65	
31 64 13 00-0028 VLF 30" Diameter Caisson Wet Ground, Casing Pulled.....	100.19	
Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
For >50' To 100' Deep, Add	10.70	
For >100' To 150' Deep, Add	25.05	
For >150' To 200' Deep, Add	34.67	
For Right Angle Drilling, Add	23.54	
31 64 13 00-0029 VLF 36" Diameter Caisson Wet Ground, Casing Pulled.....	138.36	
Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
For >50' To 100' Deep, Add	14.99	
For >100' To 150' Deep, Add	34.59	
For >150' To 200' Deep, Add	48.13	
For Right Angle Drilling, Add	31.86	
31 64 13 00-0030 VLF 42" Diameter Caisson Wet Ground, Casing Pulled.....	178.99	
Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
For >50' To 100' Deep, Add	20.03	
For >100' To 150' Deep, Add	44.75	
For >150' To 200' Deep, Add	63.07	
For Right Angle Drilling, Add	39.21	
31 64 13 00-0031 VLF 48" Diameter Caisson Wet Ground, Casing Pulled.....	214.17	
Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
For >50' To 100' Deep, Add	24.26	
For >100' To 150' Deep, Add	53.54	
For >150' To 200' Deep, Add	75.84	
For Right Angle Drilling, Add	46.00	
31 64 13 00-0032 VLF 54" Diameter Caisson Wet Ground, Casing Pulled.....	277.86	
Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
For >50' To 100' Deep, Add	31.54	
For >100' To 150' Deep, Add	69.47	
For >150' To 200' Deep, Add	98.47	
For Right Angle Drilling, Add	59.48	
31 64 13 00-0033 VLF 60" Diameter Caisson Wet Ground, Casing Pulled.....	340.27	
Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
For >50' To 100' Deep, Add	38.68	
For >100' To 150' Deep, Add	85.07	
For >150' To 200' Deep, Add	120.66	
For Right Angle Drilling, Add	72.66	
31 64 13 00-0034 VLF 66" Diameter Caisson Wet Ground, Casing Pulled.....	392.16	
Note: 0.87 CY Concrete per VLF, 113 lbs rebar per VLF.		
For >50' To 100' Deep, Add	45.43	
For >100' To 150' Deep, Add	98.04	
For >150' To 200' Deep, Add	140.12	
For Right Angle Drilling, Add	81.07	

31 Earthwork**31 60 Special Foundations And Load-bearing Elements****31 64 Caissons**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0035	VLF		72" Diameter Caisson Wet Ground, Casing Pulled.....	451.59	
			Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
			For >50' To 100' Deep, Add	53.32	
			For >100' To 150' Deep, Add	112.90	
			For >150' To 200' Deep, Add	162.61	
			For Right Angle Drilling, Add	90.23	
31 64 13 00-0036	VLF		78" Diameter Caisson Wet Ground, Casing Pulled.....	516.75	
			Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
			For >50' To 100' Deep, Add	61.65	
			For >100' To 150' Deep, Add	129.19	
			For >150' To 200' Deep, Add	186.87	
			For Right Angle Drilling, Add	101.26	
31 64 13 00-0037	VLF		84" Diameter Caisson Wet Ground, Casing Pulled.....	585.63	
			Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
			For >50' To 100' Deep, Add	70.54	
			For >100' To 150' Deep, Add	146.41	
			For >150' To 200' Deep, Add	212.62	
			For Right Angle Drilling, Add	112.65	
31 64 13 00-0038			For Bell Excavation And Concrete, Add <small>(31 64 13 00-0024)</small>		
31 64 13 00-0039	EA		Bell Excavation And Concrete, 4' Bell Diameter Wet Ground 24" Shaft, 0.44 CY.....	312.23	
			For >50' To 100' Deep, Add	24.98	
			For >100' To 150' Deep, Add	78.06	
			For >150' To 200' Deep, Add	97.58	
31 64 13 00-0040	EA		Bell Excavation And Concrete, 6' Bell Diameter Wet Ground, 30" Shaft, 1.57 CY.....	1,087.77	
			For >50' To 100' Deep, Add	87.26	
			For >100' To 150' Deep, Add	271.94	
			For >150' To 200' Deep, Add	340.22	
31 64 13 00-0041	EA		Bell Excavation And Concrete, 7' Bell Diameter Wet Ground, 36" Shaft, 2.33 CY.....	1,493.65	
			For >50' To 100' Deep, Add	111.67	
			For >100' To 150' Deep, Add	373.41	
			For >150' To 200' Deep, Add	456.99	
31 64 13 00-0042	EA		Bell Excavation And Concrete, 8' Bell Diameter Wet Ground, 42" Shaft, 3.3 CY.....	2,390.07	
			For >50' To 100' Deep, Add	193.58	
			For >100' To 150' Deep, Add	597.52	
			For >150' To 200' Deep, Add	749.87	
31 64 13 00-0043	EA		Bell Excavation And Concrete, 9' Bell Diameter Wet Ground, 48" Shaft, 4.48 CY.....	3,099.27	
			For >50' To 100' Deep, Add	248.55	
			For >100' To 150' Deep, Add	774.82	
			For >150' To 200' Deep, Add	969.28	
31 64 13 00-0044	EA		Bell Excavation And Concrete, 10' Bell Diameter Wet Ground, 60" Shaft, 5.24 CY.....	3,644.50	
			For >50' To 100' Deep, Add	292.16	
			For >100' To 150' Deep, Add	911.13	
			For >150' To 200' Deep, Add	1,139.65	
31 64 13 00-0045	EA		Bell Excavation And Concrete, 12' Bell Diameter Wet Ground, 72" Shaft, 8.74 CY.....	6,182.62	
			For >50' To 100' Deep, Add	494.71	
			For >100' To 150' Deep, Add	1,545.66	
			For >150' To 200' Deep, Add	1,932.20	
31 64 13 00-0046	EA		Bell Excavation And Concrete, 14' Bell Diameter Wet Ground, 84" Shaft, 13.6 CY.....	8,927.40	
			For >50' To 100' Deep, Add	720.99	
			For >100' To 150' Deep, Add	2,231.85	
			For >150' To 200' Deep, Add	2,798.31	
31 64 13 00-0047			Caisson In Soft Rock And Medium Hard Shale <small>(31 64 13)</small>		
			Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
31 64 13 00-0048			Caisson In Soft Rock <small>(31 64 13 00-0047)</small>		
			Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0049	VLF		18" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	155.92	
			Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
			For >50' To 100' Deep, Add	12.31	
			For >100' To 150' Deep, Add	38.98	
			For >150' To 200' Deep, Add	48.52	
			For Right Angle Drilling, Add	50.21	
31 64 13 00-0050	VLF		24" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	259.53	
			Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
			For >50' To 100' Deep, Add	20.46	
			For >100' To 150' Deep, Add	64.88	
			For >150' To 200' Deep, Add	80.73	
			For Right Angle Drilling, Add	83.67	
31 64 13 00-0051	VLF		30" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	392.33	
			Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
			For >50' To 100' Deep, Add	31.15	
			For >100' To 150' Deep, Add	98.08	
			For >150' To 200' Deep, Add	122.31	
			For Right Angle Drilling, Add	125.79	
31 64 13 00-0052	VLF		36" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	503.60	
			Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
			For >50' To 100' Deep, Add	40.55	
			For >100' To 150' Deep, Add	125.90	
			For >150' To 200' Deep, Add	157.71	
			For Right Angle Drilling, Add	159.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0053 VLF 42" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	651.52	
Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
For >50' To 100' Deep, Add	53.11	
For >100' To 150' Deep, Add	162.88	
For >150' To 200' Deep, Add	204.83	
For Right Angle Drilling, Add	204.59	
31 64 13 00-0054 VLF 48" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	785.15	
Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
For >50' To 100' Deep, Add	64.23	
For >100' To 150' Deep, Add	196.29	
For >150' To 200' Deep, Add	247.13	
For Right Angle Drilling, Add	245.84	
31 64 13 00-0055 VLF 54" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	964.07	
Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
For >50' To 100' Deep, Add	79.57	
For >100' To 150' Deep, Add	241.02	
For >150' To 200' Deep, Add	304.33	
For Right Angle Drilling, Add	299.65	
31 64 13 00-0056 VLF 60" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,141.87	
Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
For >50' To 100' Deep, Add	94.79	
For >100' To 150' Deep, Add	285.47	
For >150' To 200' Deep, Add	361.14	
For Right Angle Drilling, Add	353.22	
31 64 13 00-0057 VLF 66" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,260.83	
Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF.		
For >50' To 100' Deep, Add	106.24	
For >100' To 150' Deep, Add	315.21	
For >150' To 200' Deep, Add	400.73	
For Right Angle Drilling, Add	385.10	
31 64 13 00-0058 VLF 72" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,386.82	
Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
For >50' To 100' Deep, Add	118.78	
For >100' To 150' Deep, Add	346.71	
For >150' To 200' Deep, Add	443.18	
For Right Angle Drilling, Add	417.56	
31 64 13 00-0059 VLF 78" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,433.94	
Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
For >50' To 100' Deep, Add	125.85	
For >100' To 150' Deep, Add	358.49	
For >150' To 200' Deep, Add	462.03	
For Right Angle Drilling, Add	422.27	
31 64 13 00-0060 VLF 84" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,708.75	
Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
For >50' To 100' Deep, Add	149.16	
For >100' To 150' Deep, Add	427.19	
For >150' To 200' Deep, Add	549.55	
For Right Angle Drilling, Add	505.74	
31 64 13 00-0061 For Bell Excavation And Concrete, Add <small>(31 64 13 00-0047)</small>		
31 64 13 00-0062 EA Bell Excavation And Concrete, 4' Bell Diameter Soft Rock/Shale 24" Shaft 0.44 CY	535.27	
For >50' To 100' Deep, Add	40.59	
For >100' To 150' Deep, Add	133.82	
For >150' To 200' Deep, Add	164.49	
31 64 13 00-0063 EA Bell Excavation And Concrete, 6' Bell Diameter Soft Rock/Shale 30" Shaft 1.57 CY	1,883.59	
For >50' To 100' Deep, Add	142.96	
For >100' To 150' Deep, Add	470.90	
For >150' To 200' Deep, Add	578.97	
31 64 13 00-0064 EA Bell Excavation And Concrete, 7' Bell Diameter Soft Rock/Shale 36" Shaft 2.33 CY	2,822.92	
For >50' To 100' Deep, Add	216.30	
For >100' To 150' Deep, Add	705.73	
For >150' To 200' Deep, Add	870.24	
31 64 13 00-0065 EA Bell Excavation And Concrete, 8' Bell Diameter Soft Rock/Shale 42" Shaft 3.3 CY	4,019.14	
For >50' To 100' Deep, Add	307.62	
For >100' To 150' Deep, Add	1,004.79	
For >150' To 200' Deep, Add	1,238.59	
31 64 13 00-0066 EA Bell Excavation And Concrete, 9' Bell Diameter Soft Rock/Shale 48" Shaft 4.48 CY	5,311.85	
For >50' To 100' Deep, Add	403.43	
For >100' To 150' Deep, Add	1,327.96	
For >150' To 200' Deep, Add	1,633.06	
31 64 13 00-0067 EA Bell Excavation And Concrete, 10' Bell Diameter Soft Rock/Shale 60" Shaft 5.24 CY	6,472.49	
For >50' To 100' Deep, Add	490.12	
For >100' To 150' Deep, Add	1,618.12	
For >150' To 200' Deep, Add	1,988.05	
31 64 13 00-0068 EA Bell Excavation And Concrete, 12' Bell Diameter Soft Rock/Shale 72" Shaft 8.74 CY	9,788.31	
For >50' To 100' Deep, Add	747.11	
For >100' To 150' Deep, Add	2,447.08	
For >150' To 200' Deep, Add	3,013.90	
31 64 13 00-0069 EA Bell Excavation And Concrete, 14' Bell Diameter Soft Rock/Shale 84" Shaft 13.6 CY	14,722.26	
For >50' To 100' Deep, Add	1,126.63	
For >100' To 150' Deep, Add	3,680.57	
For >150' To 200' Deep, Add	4,536.77	

31	31 Earthwork
	31 60 Special Foundations And Load-bearing Elements
	31 64 Caissons



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 64 13 00-0070 Caisson Setup And Removal <small>(31 64 13)</small>		
Note: Includes mobilization of equipment, erection, dismantling of equipment, move off of site.		
31 64 13 00-0071	EA Erect, Set Up, Dismantle And Removal Of Caisson 18" To 36" Diameter, Complete	2,368.18
31 64 13 00-0072	EA Erect, Set Up, Dismantle And Removal Of Caisson 48" To 84" Diameter, Complete	3,334.26
31 64 13 00-0073	EA Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 18" To 36" Diameter.....	1,117.83
31 64 13 00-0074	EA Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 48" To 84" Diameter.....	1,490.43
31 64 13 00-0075	EA Relocate Caisson Equipment To Different Hole On-Site Without Dismantling.....	93.15

31 66 Special Foundation (31 66)

31 66 15 Helical Foundation Piles (31 66)

31 66 15 00-0001 Helical Pier Restoration (Atlas) <small>(31 66 15)</small>		
31 66 15 00-0002	EA Structural Steel Piers (Atlas Pier System Or Equal).....	2,441.16
Note: Includes heavy duty bracket, pier platform, and 14' of 3.5" diameter pier sections, non-corrosive coating, hydraulic lifting, fasteners, and other related activities and materials. Excludes excavation and core drilling		
31 66 15 00-0003	EA Pressure Injecting Grout For Slab Repairs, Per Location	291.08
Note: Includes preparation, installing and removing grout injection pipes, and finishing. Excludes grout and core drilling.		
31 66 15 00-0004	CY Pressure Injected Non-Shrink Grout	291.08

END OF SECTION 31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 Exterior Improvements

32 01 Operation And Maintenance Of Exterior Improvements ⁽³²⁾

32 01 11 Paving Cleaning ^(32 01)

32 01 11 53 Paint Removal From Paving ^(32 01 11)

32 01 11 53-0001 Remove Pavement Markings ^(32 01 11 53)

Note: Includes vacuuming of removed striped area and containment of debris. Excludes disposal.

32 01 11 53-0002	LF Removal Of 4" Wide Painted Or Epoxy Pavement Striping	1.13	
	For Up To 250, Add	0.57	
	For >250 To 1,000, Add	0.28	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 25,000, Deduct	-0.28	
	For >25,000 To 50,000, Deduct	-0.40	
	For >50,000, Deduct	-0.45	
32 01 11 53-0003	LF Removal Of 6" Wide Painted Or Epoxy Pavement Striping	1.37	
	For Up To 250, Add	0.69	
	For >250 To 1,000, Add	0.34	
	For >5,000 To 10,000, Deduct	-0.21	
	For >10,000 To 25,000, Deduct	-0.34	
	For >25,000 To 50,000, Deduct	-0.48	
	For >50,000, Deduct	-0.55	
32 01 11 53-0004	LF Removal Of 8" Wide Painted Or Epoxy Pavement Striping	1.64	
	For Up To 250, Add	0.82	
	For >250 To 1,000, Add	0.41	
	For >5,000 To 10,000, Deduct	-0.25	
	For >10,000 To 25,000, Deduct	-0.41	
	For >25,000 To 50,000, Deduct	-0.57	
	For >50,000, Deduct	-0.66	
32 01 11 53-0005	LF Removal Of 12" Wide Painted Or Epoxy Pavement Striping	1.96	
	For Up To 250, Add	0.98	
	For >250 To 1,000, Add	0.49	
	For >5,000 To 10,000, Deduct	-0.29	
	For >10,000 To 25,000, Deduct	-0.49	
	For >25,000 To 50,000, Deduct	-0.69	
	For >50,000, Deduct	-0.78	
32 01 11 53-0006	SF Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols	1.96	
	For Up To 250, Add	0.98	
	For >250 To 1,000, Add	0.49	
	For >5,000 To 10,000, Deduct	-0.29	
	For >10,000 To 25,000, Deduct	-0.49	
	For >25,000 To 50,000, Deduct	-0.69	
	For >50,000, Deduct	-0.78	
32 01 11 53-0007	LF Removal Of 4" Wide Thermoplastic Pavement Striping	1.46	
	For Up To 250, Add	0.73	
	For >250 To 1,000, Add	0.37	
	For >5,000 To 10,000, Deduct	-0.22	
	For >10,000 To 25,000, Deduct	-0.37	
	For >25,000 To 50,000, Deduct	-0.51	
	For >50,000, Deduct	-0.58	
32 01 11 53-0008	LF Removal Of 6" Wide Thermoplastic Pavement Striping	1.73	
	For Up To 250, Add	0.87	
	For >250 To 1,000, Add	0.43	
	For >5,000 To 10,000, Deduct	-0.26	
	For >10,000 To 25,000, Deduct	-0.43	
	For >25,000 To 50,000, Deduct	-0.61	
	For >50,000, Deduct	-0.69	
32 01 11 53-0009	LF Removal Of 8" Wide Thermoplastic Pavement Striping	2.08	
	For Up To 250, Add	1.04	
	For >250 To 1,000, Add	0.52	
	For >5,000 To 10,000, Deduct	-0.31	
	For >10,000 To 25,000, Deduct	-0.52	
	For >25,000 To 50,000, Deduct	-0.73	
	For >50,000, Deduct	-0.83	
32 01 11 53-0010	LF Removal Of 12" Wide Thermoplastic Pavement Striping	2.50	
	For Up To 250, Add	1.25	
	For >250 To 1,000, Add	0.63	
	For >5,000 To 10,000, Deduct	-0.38	
	For >10,000 To 25,000, Deduct	-0.63	
	For >25,000 To 50,000, Deduct	-0.88	
	For >50,000, Deduct	-1.00	
32 01 11 53-0011	SF Removal Of Thermoplastic Pavement Marking, Letters Or Symbols	2.50	
	For Up To 250, Add	1.25	
	For >250 To 1,000, Add	0.63	
	For >5,000 To 10,000, Deduct	-0.38	
	For >10,000 To 25,000, Deduct	-0.63	
	For >25,000 To 50,000, Deduct	-0.88	
	For >50,000, Deduct	-1.00	

32 01 16 Flexible Paving Rehabilitation ^(32 01)

32 Exterior Improvements
32 01 Operation And Maintenance Of Exterior Improvements
32 01 16 Flexible Paving Rehabilitation



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 01 16 71	Cold Milling Asphalt Pavement <small>(32 01 16)</small>		
32 01 16 71-0001	Removal Of Asphalt Surface Course <small>(32 01 16 71)</small>		
	Note: Includes direct loading into truck.		
32 01 16 71-0002	Production Cold Milling Of Roads And Parking Areas <small>(32 01 16 71-0001)</small>		
	Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0034 for hauling.		
32 01 16 71-0003	SY Up To 3" Depth, Production Cold Milling Of Asphalt.....	2.85	
	For Up To 2,500, Add	2.14	
	For >2,500 To 5,000, Add	0.71	
	For >10,000 To 25,000, Deduct	-0.29	
	For >25,000, Deduct	-0.43	
32 01 16 71-0004	SY >3" To 6" Depth, Production Cold Milling Of Asphalt.....	3.80	
	For Up To 2,500, Add	2.85	
	For >2,500 To 5,000, Add	0.95	
	For >10,000 To 25,000, Deduct	-0.38	
	For >25,000, Deduct	-0.57	
32 01 16 71-0005	SY >6" To 12" Depth, Production Cold Milling Of Asphalt.....	5.05	
	For Up To 2,500, Add	3.79	
	For >2,500 To 5,000, Add	1.26	
	For >10,000 To 25,000, Deduct	-0.51	
	For >25,000, Deduct	-0.76	
32 01 16 71-0006	SY Production Cold Milling Of Concrete Per Inch.....	4.31	
32 01 16 71-0007	Limited Production Cold Milling <small>(32 01 16 71-0001)</small>		
	Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0034 for hauling.		
32 01 16 71-0008	SY Up To 3" Depth, Limited Cold Milling Of Asphalt.....	18.00	
	For >100 To 1,000, Deduct	-9.00	
	For >1,000, Deduct	-13.50	
32 01 16 71-0009	SY >3" To 6" Depth, Limited Cold Milling Of Asphalt.....	23.83	
	For >100 To 1,000, Deduct	-11.92	
	For >1,000, Deduct	-17.87	
32 01 16 71-0010	SY >6" To 12" Depth, Limited Cold Milling Of Asphalt.....	31.75	
	For >100 To 1,000, Deduct	-15.88	
	For >1,000, Deduct	-23.81	
32 01 16 71-0011	SY Limited Cold Milling Of Concrete Per Inch.....	27.06	
32 01 16 71-0012	Grind, Leave In-Place Asphalt Grindings <small>(32 01 16 71)</small>		
	Note: For use as subbase material, includes spreading and rolling.		
32 01 16 71-0013	SY Grind, Leave In-Place As Subbase Course, 6-9" Depth.....	4.67	
32 01 16 72	Asphalt Paving Reuse <small>(32 01 16)</small>		
32 01 16 72-0001	Rejuvenate, Respread Asphalt Pavement <small>(32 01 16 72)</small>		
	Note: Includes direct loading into truck.		
32 01 16 72-0002	SY Remove, Rejuvenate, Respread Asphalt Grindings To 1/2" Deep.....	8.22	
32 01 16 72-0003	SY Remove, Rejuvenate, Respread Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar.....	10.03	
32 01 16 72-0004	TON Remove, Rejuvenate, Respread Asphalt Grindings.....	125.23	
32 01 16 72-0005	Reclamation, Pulverize And Blending With Existing <small>(32 01 16 72)</small>		
	Note: Includes direct loading into truck.		
32 01 16 72-0006	SY Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	9.70	
32 01 16 72-0007	SY Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.85	
32 01 16 72-0008	SY Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.43	
32 01 16 72-0009	SY Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.29	
32 01 16 72-0010	SY >2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.64	
32 01 16 72-0011	SY >2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	10.57	
32 01 16 72-0012	SY >2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	5.29	
32 01 16 72-0013	SY >2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.50	
32 01 16 72-0014	SY >3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	11.63	
32 01 16 72-0015	SY >3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	5.82	
32 01 16 72-0016	SY >3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.91	
32 01 16 72-0017	SY >3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.69	
32 01 16 72-0018	SY >4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	12.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 72-0019 SY >4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	6.35	
32 01 16 72-0020 SY >4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.18	
32 01 16 72-0021 SY >4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	2.95	
32 01 16 72-0022 EA Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew.....	1,090.99	

32 01 17 Flexible Paving Repair (32 01)
See CSI section 32 12 16 00-0000 for large area resurfacing.

32 01 17 61 Sealing Cracks In Asphalt Paving (32 01 17)
Note: Includes removing loose materials and cleaning.

32 01 17 61-0001 Asphalt Pavement Crack And Sealing Repair (32 01 17 61)
Note: Includes sweeping and cleaning of area.

32 01 17 61-0002 LF Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.04	
Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
For 3/4" x 1/2" Fill, Add	0.29	
For 1" x 1/2" Fill, Add	0.54	
For Backer Rod, Add	0.61	
32 01 17 61-0003 LF >200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.84	
Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
For 3/4" x 1/2" Fill, Add	0.24	
For 1" x 1/2" Fill, Add	0.45	
For Backer Rod, Add	0.56	
32 01 17 61-0004 LF >500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.67	
Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
For 3/4" x 1/2" Fill, Add	0.19	
For 1" x 1/2" Fill, Add	0.36	
For Backer Rod, Add	0.50	
32 01 17 61-0005 LF >2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.58	
Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
For 3/4" x 1/2" Fill, Add	0.17	
For 1" x 1/2" Fill, Add	0.32	
For Backer Rod, Add	0.47	
32 01 17 61-0006 LF >5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.51	
Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
For 3/4" x 1/2" Fill, Add	0.15	
For 1" x 1/2" Fill, Add	0.28	
For Backer Rod, Add	0.44	
32 01 17 61-0007 LF >10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.48	
Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
For 3/4" x 1/2" Fill, Add	0.14	
For 1" x 1/2" Fill, Add	0.26	
For Backer Rod, Add	0.43	
32 01 17 61-0008 LF Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.82	
For 3/8" x 1/4" Fill, Add	0.41	
For 1/2" x 1/4" Fill, Add	0.76	
For 1/2" x 1/2" Fill, Add	1.77	
32 01 17 61-0009 LF >200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.47	
For 3/8" x 1/4" Fill, Add	0.34	
For 1/2" x 1/4" Fill, Add	0.62	
For 1/2" x 1/2" Fill, Add	1.47	
32 01 17 61-0010 LF >500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.13	
For 3/8" x 1/4" Fill, Add	0.27	
For 1/2" x 1/4" Fill, Add	0.49	
For 1/2" x 1/2" Fill, Add	1.18	
32 01 17 61-0011 LF >2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.00	
For 3/8" x 1/4" Fill, Add	0.24	
For 1/2" x 1/4" Fill, Add	0.44	
For 1/2" x 1/2" Fill, Add	1.05	
32 01 17 61-0012 LF >5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	0.90	
For 3/8" x 1/4" Fill, Add	0.21	
For 1/2" x 1/4" Fill, Add	0.39	
For 1/2" x 1/2" Fill, Add	0.93	
32 01 17 61-0013 LF >10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	0.84	
For 3/8" x 1/4" Fill, Add	0.20	
For 1/2" x 1/4" Fill, Add	0.36	
For 1/2" x 1/2" Fill, Add	0.86	
32 01 17 61-0014 LF For Routing And Cleaning Of Crack, Add Per 1/2" Depth.....	0.31	
32 01 17 61-0015 LF Crack Fill Backer Material, Up To 1" Diameter, As Required.....	1.05	

32 01 17 63 Pavement Repair (32 01 17)

32 01 17 63-0001 Temporary Pot Hole Repair (32 01 17 63)

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.		
32 01 17 63-0002 EA Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons	1,175.35	
32 01 17 63-0003 TON Temporary Pot Hole Repairs With Cold Mix Modified.....	360.02	
Note: Use for each ton over 3 tons.		
32 01 17 63-0004 EA Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	1,106.91	

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 17 Flexible Paving Repair**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 63-0005 TON Temporary Pot Hole Repairs With Cold Mix Note: Use for each ton over 3 tons.	337.22	
32 01 17 63-0006 EA Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,072.70	
32 01 17 63-0007 TON Temporary Pot Hole Repairs With Hot Mix Modified..... Note: Use for each ton over 3 tons.	325.81	
32 01 17 63-0008 EA Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons.....	1,038.49	
32 01 17 63-0009 TON Temporary Pot Hole Repairs With Hot Mix Note: Use for each ton over 3 tons.	314.40	
32 01 17 63-0010 Permanent Pot Hole Repair <small>(32 01 17 63)</small> Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.		
32 01 17 63-0011 EA Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	1,248.87	
32 01 17 63-0012 TON Permanent Pot Hole Repairs With Cold Mix Note: Use for each ton over 3 tons.	406.91	
32 01 17 63-0013 EA Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,214.66	
32 01 17 63-0014 TON Permanent Pot Hole Repairs With Hot Mix Modified..... Note: Use for each ton over 3 tons.	395.50	
32 01 17 63-0015 EA Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,180.45	
32 01 17 63-0016 TON Permanent Pot Hole Repairs With Hot Mix Note: Use for each ton over 3 tons.	384.09	
32 01 17 63-0017 Asphalt Placement For Small Repairs <small>(32 01 17 63)</small> Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, and compaction. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0049 for saw cutting, 32 12 16 13-0000 for areas requiring more than 100 tons.		
32 01 17 63-0018 EA Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons..... Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,618.01	
32 01 17 63-0019 TON Asphalt Placement For Small Repair Areas, Cold Mix Modified..... Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	236.25	
32 01 17 63-0020 EA Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons	1,549.57	
32 01 17 63-0021 TON Asphalt Placement For Small Repair Areas, Cold Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	213.45	
32 01 17 63-0022 EA Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons..... Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,515.36	
32 01 17 63-0023 TON Asphalt Placement For Small Repair Areas, Hot Mix Modified	202.04	
32 01 17 63-0024 EA Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons	1,481.15	
32 01 17 63-0025 TON Asphalt Placement For Small Repair Areas, Hot Mix..... Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	190.63	
32 01 17 63-0026 Grind Asphalt <small>(32 01 17 63)</small>		
32 01 17 63-0027 SY Grinding Asphalt To Level Bump Or Raised Area.....	13.15	
32 01 26 Rigid Paving Rehabilitation <small>(32 01)</small>		
32 01 26 71 Grooving Of Concrete Paving <small>(32 01 26)</small>		
32 01 26 71-0001 Roadway Grooving <small>(32 01 26 71)</small>		
32 01 26 71-0002 SY Pavement Grooving, Concrete, Longitudinal	0.82	
32 01 26 71-0003 SY Pavement Grooving, Concrete, Transverse	0.61	
32 01 26 71-0004 Rumble Strips <small>(32 01 26 71)</small>		
32 01 26 71-0005 LF Safe-Strips Shoulder Rumble Strips, Asphalt	0.23	
32 01 26 71-0006 LF Safe-Strips Shoulder Rumble Strips, Concrete.....	0.56	
32 01 26 71-0007 Boat Ramps Grooving <small>(32 01 26 71)</small>		
32 01 26 71-0008 SY Concrete Grooving, Boat Ramps	1.31	
32 01 90 Operation And Maintenance Of Planting <small>(32 01)</small> Note: These tasks are to be used as requested by the owner to maintain existing conditions.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 01 90 13 Fertilizing (32 01 90)

32 01 90 13-0001	MSF Fertilizer - 2 LB Of Nitrogen/MSF (Granular)	9.76
32 01 90 13-0002	MSF Fertilizer - 2 LB Of Nitrogen/MSF (Liquid).....	6.71
32 01 90 13-0003	MSF Fertilizer - 0.5 LB Of Nitrogen/MSF (Granular)	7.44
32 01 90 13-0004	MSF Fertilizer - 0.5 LB Of Nitrogen/MSF (Liquid).....	5.97

32 01 90 19 Mowing (32 01 90)

32 01 90 19-0001	ACR Vegetation Cutting By Bush Hog	126.40
	Note: Includes normal debris removal, cutting, and trimming.	
	For <1 Acre, Add	31.60

32 01 90 23 Pruning (32 01 90)

32 01 90 23-0001 Tree Pruning (32 01 90 23)

Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture) 1. CROWN CLEANING - Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown. 2. CROWN THINNING - Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two-thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch. 3. CROWN RAISING - Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown. 4. CROWN REDUCTION - Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made. 5. CROWN RESTORATION - Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.

32 01 90 23-0002	EA Tree Pruning (Crown Cleaning), 1-1/2" Caliper	18.83
	For Crown Thinning, Tree Pruning, Add	4.24
	For Crown Raising, Pruning, Add	6.59
	For Crown Reduction, Tree Pruning, Add	8.47
	For Crown Restoration, Pruning, Add	12.55
32 01 90 23-0003	EA Tree Pruning (Crown Cleaning), 2" Caliper	21.52
	For Crown Thinning, Tree Pruning, Add	4.84
	For Crown Raising, Pruning, Add	7.53
	For Crown Reduction, Tree Pruning, Add	9.68
	For Crown Restoration, Pruning, Add	14.35
32 01 90 23-0004	EA Tree Pruning (Crown Cleaning), 2-1/2" Caliper	24.21
	For Crown Thinning, Tree Pruning, Add	5.45
	For Crown Raising, Pruning, Add	8.47
	For Crown Reduction, Tree Pruning, Add	10.89
	For Crown Restoration, Pruning, Add	16.14
32 01 90 23-0005	EA Tree Pruning (Crown Cleaning), 3" Caliper.....	26.90
	For Crown Thinning, Tree Pruning, Add	6.05
	For Crown Raising, Pruning, Add	9.42
	For Crown Reduction, Tree Pruning, Add	12.11
	For Crown Restoration, Pruning, Add	17.93
32 01 90 23-0006	EA Tree Pruning (Crown Cleaning), 4" Caliper, By Hand.....	40.88
	For Crown Thinning, Tree Pruning, Add	9.20
	For Crown Raising, Pruning, Add	14.31
	For Crown Reduction, Tree Pruning, Add	18.40
	For Crown Restoration, Pruning, Add	27.25
32 01 90 23-0007	EA Tree Pruning (Crown Cleaning), 4" Caliper, Aerial Lift Equipment.....	68.75
	For Crown Thinning, Tree Pruning, Add	15.47
	For Crown Raising, Pruning, Add	24.06
	For Crown Reduction, Tree Pruning, Add	30.94
	For Crown Restoration, Pruning, Add	45.84
32 01 90 23-0008	EA Tree Pruning (Crown Cleaning), 6" Caliper, By Hand.....	71.55
	For Crown Thinning, Tree Pruning, Add	16.10
	For Crown Raising, Pruning, Add	25.04
	For Crown Reduction, Tree Pruning, Add	32.20
	For Crown Restoration, Pruning, Add	47.70
32 01 90 23-0009	EA Tree Pruning (Crown Cleaning), 6" Caliper, Aerial Lift Equipment.....	130.94
	For Crown Thinning, Tree Pruning, Add	29.46
	For Crown Raising, Pruning, Add	45.83
	For Crown Reduction, Tree Pruning, Add	58.92
	For Crown Restoration, Pruning, Add	87.30

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 90 Operation And Maintenance Of Planting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0010 EA Tree Pruning (Crown Cleaning), 9" Caliper, By Hand.....	114.57	
For Crown Thinning, Tree Pruning, Add	25.78	
For Crown Raising, Pruning, Add	40.10	
For Crown Reduction, Tree Pruning, Add	51.56	
For Crown Restoration, Pruning, Add	76.38	
32 01 90 23-0011 EA Tree Pruning (Crown Cleaning), 9" Caliper, Aerial Lift Equipment.....	209.47	
For Crown Thinning, Tree Pruning, Add	47.13	
For Crown Raising, Pruning, Add	73.31	
For Crown Reduction, Tree Pruning, Add	94.26	
For Crown Restoration, Pruning, Add	139.65	
32 01 90 23-0012 EA Tree Pruning (Crown Cleaning), 12" Caliper, By Hand.....	132.39	
For Crown Thinning, Tree Pruning, Add	29.79	
For Crown Raising, Pruning, Add	46.34	
For Crown Reduction, Tree Pruning, Add	59.58	
For Crown Restoration, Pruning, Add	88.26	
32 01 90 23-0013 EA Tree Pruning (Crown Cleaning), 12" Caliper, Aerial Lift Equipment.....	242.24	
For Crown Thinning, Tree Pruning, Add	54.50	
For Crown Raising, Pruning, Add	84.78	
For Crown Reduction, Tree Pruning, Add	109.01	
For Crown Restoration, Pruning, Add	161.50	
32 01 90 23-0014 EA Tree Pruning (Crown Cleaning), 18" Caliper By Hand.....	153.90	
For Crown Thinning, Tree Pruning, Add	34.63	
For Crown Raising, Pruning, Add	53.87	
For Crown Reduction, Tree Pruning, Add	69.26	
For Crown Restoration, Pruning, Add	102.61	
32 01 90 23-0015 EA Tree Pruning (Crown Cleaning), 18" Caliper By Hand, Aerial Lift Equipment.....	281.52	
For Crown Thinning, Tree Pruning, Add	63.34	
For Crown Raising, Pruning, Add	98.53	
For Crown Reduction, Tree Pruning, Add	126.68	
For Crown Restoration, Pruning, Add	187.69	
32 01 90 23-0016 EA Tree Pruning (Crown Cleaning), 24" Caliper, By Hand.....	187.33	
For Crown Thinning, Tree Pruning, Add	42.15	
For Crown Raising, Pruning, Add	65.57	
For Crown Reduction, Tree Pruning, Add	84.30	
For Crown Restoration, Pruning, Add	124.89	
32 01 90 23-0017 EA Tree Pruning (Crown Cleaning), 24" Caliper, Aerial Lift Equipment.....	340.50	
For Crown Thinning, Tree Pruning, Add	76.61	
For Crown Raising, Pruning, Add	119.18	
For Crown Reduction, Tree Pruning, Add	153.23	
For Crown Restoration, Pruning, Add	227.01	
32 01 90 23-0018 EA Tree Pruning (Crown Cleaning), 30" Caliper, By Hand.....	232.70	
For Crown Thinning, Tree Pruning, Add	52.36	
For Crown Raising, Pruning, Add	81.45	
For Crown Reduction, Tree Pruning, Add	104.72	
For Crown Restoration, Pruning, Add	155.14	
32 01 90 23-0019 EA Tree Pruning (Crown Cleaning), 30" Caliper, Aerial Lift Equipment.....	429.13	
For Crown Thinning, Tree Pruning, Add	96.55	
For Crown Raising, Pruning, Add	150.20	
For Crown Reduction, Tree Pruning, Add	193.11	
For Crown Restoration, Pruning, Add	286.10	
32 01 90 23-0020 EA Tree Pruning (Crown Cleaning), 36" Caliper, By Hand.....	318.72	
For Crown Thinning, Tree Pruning, Add	71.71	
For Crown Raising, Pruning, Add	111.55	
For Crown Reduction, Tree Pruning, Add	143.42	
For Crown Restoration, Pruning, Add	212.49	
32 01 90 23-0021 EA Tree Pruning (Crown Cleaning), 36" Caliper, Aerial Lift Equipment.....	581.60	
For Crown Thinning, Tree Pruning, Add	130.86	
For Crown Raising, Pruning, Add	203.56	
For Crown Reduction, Tree Pruning, Add	261.72	
For Crown Restoration, Pruning, Add	387.75	
32 01 90 23-0022 EA Tree Pruning (Crown Cleaning), 48" Caliper, By Hand.....	505.64	
For Crown Thinning, Tree Pruning, Add	113.77	
For Crown Raising, Pruning, Add	176.97	
For Crown Reduction, Tree Pruning, Add	227.54	
For Crown Restoration, Pruning, Add	337.11	
32 01 90 23-0023 EA Tree Pruning (Crown Cleaning), 48" Caliper, Aerial Lift Equipment.....	935.32	
For Crown Thinning, Tree Pruning, Add	210.45	
For Crown Raising, Pruning, Add	327.36	
For Crown Reduction, Tree Pruning, Add	420.89	
For Crown Restoration, Pruning, Add	623.58	
32 01 90 23-0024 EA Trim Mexican Palm Tree.....	57.04	
32 01 90 23-0025 EA Trim Date Palm Tree.....	128.71	
32 01 90 23-0026 LF Skin Palm Tree.....	14.63	
32 01 90 23-0027 Shrub Pruning (32 01 90 23)		
32 01 90 23-0028 MSF Shrub Pruning, Prune, Shrub Bed.....	61.31	
32 01 90 23-0029 EA Shrub Pruning, Prune, Shrub Under 3' Height.....	2.15	
32 01 90 23-0030 EA Shrub Pruning, Prune, Shrub 4' Height.....	4.85	
32 01 90 23-0031 EA Shrub Pruning, Prune, Shrub Over 6'.....	8.61	
32 01 90 23-0032 EA Shrub Pruning, Prune Trees From Ground.....	21.52	
32 01 90 23-0033 EA Shrub Pruning, Prune Trees From Ground, High Work.....	53.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0034		
Root Pruning <small>(32 01 90 23)</small>		
Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.		
32 01 90 23-0035 EA Root Pruning, One Side Of Up To 1-1/2" Caliper Tree	10.76	
32 01 90 23-0036 EA Root Pruning, One Side Of 2" Caliper Tree	13.45	
32 01 90 23-0037 EA Root Pruning, One Side Of 2-1/2" Caliper Tree	16.14	
32 01 90 23-0038 EA Root Pruning, One Side Of 3" Caliper Tree	21.52	
32 01 90 23-0039 EA Root Pruning, One Side Of 4" Caliper Tree	32.28	
32 01 90 23-0040 EA Root Pruning, One Side Of 6" Caliper Tree	40.36	
32 01 90 23-0041 EA Root Pruning, One Side Of 9" Caliper Tree	56.49	
32 01 90 23-0042 EA Root Pruning, One Side Of 12" Caliper Tree	64.56	
32 01 90 23-0043 EA Root Pruning, One Side Of 18" Caliper Tree	75.32	
32 01 90 23-0044 EA Root Pruning, One Side Of 24" Caliper Tree	94.16	
32 01 90 23-0045 EA Root Pruning, One Side Of 30" Caliper Tree	115.67	
32 01 90 23-0046 EA Root Pruning, One Side Of 36" Caliper Tree	134.50	
32 01 90 23-0047 EA Root Pruning, One Side Of 48" Caliper Tree	161.40	
32 01 90 26		
Watering <small>(32 01 90)</small>		
Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.		
32 01 90 26-0001		
Watering Lawns, Plants And Trees <small>(32 01 90 26)</small>		
Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for extended watering period for lawns, plants and trees.		
32 01 90 26-0002 MSF Watering Sod/Grass, Per Inch Of Water	25.60	
32 01 90 26-0003 CSF Watering Groundcover.....	4.14	
32 01 90 26-0004 CSF Watering Annuals And Perennials	7.60	
32 01 90 26-0005 EA Watering Trees, 1" To 5" Diameter By Hand	7.65	
32 01 90 26-0006 EA Watering Trees, 6" To 12" Diameter By Hand	10.22	
32 01 90 26-0007 EA Watering Trees, 13" To 18" Diameter By Hand	12.93	
32 01 90 26-0008 EA Watering Trees, >18" Diameter By Hand.....	15.32	
32 01 90 26-0009 EA Watering Shrub Or Bush By Hand.....	6.69	
32 01 90 36		
Weed And Brush Control <small>(32 01 90)</small>		
32 01 90 36-0001		
Herbicide, Push Or Hand Spreader Applied <small>(32 01 90 36)</small>		
32 01 90 36-0002 MSF Non-Selective Post Emergent Weed Herbicide (70.4 oz/acre or 1.62 oz/MSF).....	4.92	
<i>For >45 To 90, Deduct</i>	-0.27	
<i>For >90 To 225, Deduct</i>	-0.76	
<i>For >225 To 870, Deduct</i>	-1.25	
<i>For >870, Deduct</i>	-1.52	
32 01 90 36-0003 MSF Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF)	5.25	
<i>For >45 To 90, Deduct</i>	-0.30	
<i>For >90 To 225, Deduct</i>	-0.82	
<i>For >225 To 870, Deduct</i>	-1.35	
<i>For >870, Deduct</i>	-1.65	
32 01 90 36-0004 MSF Selective Weed Herbicide (56 oz/Acre or 1.28 oz/MSF).....	5.23	
Note: Includes pre and post emergent.		
<i>For >45 To 90, Deduct</i>	-0.30	
<i>For >90 To 225, Deduct</i>	-0.82	
<i>For >225 To 870, Deduct</i>	-1.34	
<i>For >870, Deduct</i>	-1.64	
32 01 90 36-0005 MSF Selective Woody Brush And Tree Herbicide (72 oz/acre or 1.65 oz/MSF)	5.43	
Note: Includes pre and post emergents.		
<i>For >45 To 90, Deduct</i>	-0.32	
<i>For >90 To 225, Deduct</i>	-0.86	
<i>For >225 To 870, Deduct</i>	-1.40	
<i>For >870, Deduct</i>	-1.72	
32 01 90 39		
Pesticides <small>(32 01 90)</small>		
32 01 90 39-0001 MSF Pesticide - Surface Eating.....	7.09	
32 01 90 39-0002 MSF Pesticide - Subsurface Eating.....	7.13	
32 01 90 39-0003 MSF Pesticide - Fungicide Application	7.90	
32 01 90 43		
Weed And Cultivate Beds <small>(32 01 90)</small>		
32 01 90 43-0001 MSF Weed Mulched Bed	26.19	
32 01 90 43-0002 MSF Weed Unmulched Bed.....	74.84	
32 01 90 43-0003 MSF Cultivate Bed	40.30	
32 01 90 46		
Hedge Trimming <small>(32 01 90)</small>		
32 01 90 46-0001 LF Trim 0-5' High Hedge, 0-3' Wide.....	3.48	
32 01 90 46-0002 LF Trim 0-5' High Hedge, 4-6' Wide.....	5.22	
32 01 90 46-0003 LF Trim 5-10' High Hedge, 0-3' Wide.....	7.91	
32 01 90 46-0004 LF Trim 5-10' High Hedge, 4-6' Wide.....	8.06	

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 90 Operation And Maintenance Of Planting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**32 01 90 53 Plant Growth Regulator Application (32 01 90)**

32 01 90 53-0001 EA Plant Growth Regulator Application4.35

32 10 Bases, Ballasts, And Paving (32)**32 11 Base Courses (32 10)****32 11 16 Subbase Courses (32 11)****32 11 16 16 Aggregate Subbase Courses (32 11 16)****32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas (32 11 16 16)**

Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 11 16 16-0002 Base And Subbase Courses By The CY (32 11 16 16-0001)32 11 16 16-0003 CY Class II Graded Crushed Aggregate Roadway Base Course68.00
32 11 16 16-0004 CY Class III Graded Crushed Aggregate Roadway Base Course64.00**32 11 23 Aggregate Base Courses (32 11)****32 11 23 16 Aggregate Base Courses (32 11 23)****32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) (32 11 23 16)**

Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 11 23 16-0002 SF 2" Crushed Aggregate Base Course For Sidewalks0.57
For Up To 1,000, Add 0.15
For >1,000 To 2,500, Add 0.06
32 11 23 16-0003 SF 3" Crushed Aggregate Base Course For Sidewalks0.77
For Up To 1,000, Add 0.21
For >1,000 To 2,500, Add 0.08
32 11 23 16-0004 SF 4" Crushed Aggregate Base Course For Sidewalks0.98
For Up To 1,000, Add 0.27
For >1,000 To 2,500, Add 0.10
32 11 23 16-0005 SF 5" Crushed Aggregate Base Course For Sidewalks1.29
For Up To 1,000, Add 0.35
For >1,000 To 2,500, Add 0.13
32 11 23 16-0006 SF 6" Crushed Aggregate Base Course For Sidewalks1.60
For Up To 1,000, Add 0.43
For >1,000 To 2,500, Add 0.16
32 11 23 16-0007 SF 7" Crushed Aggregate Base Course For Sidewalks1.83
For Up To 1,000, Add 0.50
For >1,000 To 2,500, Add 0.18
32 11 23 16-0008 SF 8" Crushed Aggregate Base Course For Sidewalks2.08
For Up To 1,000, Add 0.56
For >1,000 To 2,500, Add 0.21**32 11 26 Asphaltic Base Courses (32 11)****32 11 26 19 Bituminous-Stabilized Base Courses (32 11 26)****32 11 26 19-0001 Bituminous-Stabilized Base Courses (32 11 26 19)**32 11 26 19-0002 CY Bituminous Stabilized Base Course89.73
Note: 3/4" ASTM C33.**32 12 Flexible Paving (32 10)****32 12 13 Preparatory Coats (32 12)****32 12 13 13 Tack Coats (32 12 13)**32 12 13 13-0001 SY Tack Coat, 0.04 Gallon/SY0.35
For Up To 150, Add 0.07
For >150 To 300, Add 0.04
For >300 To 500, Add 0.02
For >3,500 To 5,000, Deduct -0.01
For >5,000, Deduct -0.02
32 12 13 13-0002 SY Tack Coat, 0.05 Gallon/SY0.39
For Up To 150, Add 0.08
For >150 To 300, Add 0.04
For >300 To 500, Add 0.02
For >3,500 To 5,000, Deduct -0.01
For >5,000, Deduct -0.02
32 12 13 13-0003 SY Tack Coat, 0.07 Gallon/SY0.45
For Up To 150, Add 0.09
For >150 To 300, Add 0.05
For >300 To 500, Add 0.02
For >3,500 To 5,000, Deduct -0.01
For >5,000, Deduct -0.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 13 13-0004 SY Tack Coat, 0.08 Gallon/SY	0.49	
<i>For Up To 150, Add</i>	0.10	
<i>For >150 To 300, Add</i>	0.05	
<i>For >300 To 500, Add</i>	0.02	
<i>For >3,500 To 5,000, Deduct</i>	-0.01	
<i>For >5,000, Deduct</i>	-0.03	
32 12 13 13-0005 SY Tack Coat, 0.10 Gallon/SY	0.55	
<i>For Up To 150, Add</i>	0.12	
<i>For >150 To 300, Add</i>	0.06	
<i>For >300 To 500, Add</i>	0.03	
<i>For >3,500 To 5,000, Deduct</i>	-0.01	
<i>For >5,000, Deduct</i>	-0.04	
32 12 13 13-0006 SY Tack Coat, 0.11 Gallon/SY	0.59	
<i>For Up To 150, Add</i>	0.13	
<i>For >150 To 300, Add</i>	0.06	
<i>For >300 To 500, Add</i>	0.03	
<i>For >3,500 To 5,000, Deduct</i>	-0.01	
<i>For >5,000, Deduct</i>	-0.04	
32 12 13 19 Prime Coats <small>(32 12 13)</small>		
32 12 13 19-0001 SY Surface Prime Coat, 0.26 Gallon/SY	0.96	
<i>For Up To 150, Add</i>	0.21	
<i>For >150 To 300, Add</i>	0.10	
<i>For >300 To 500, Add</i>	0.05	
<i>For >3,500 To 5,000, Deduct</i>	-0.02	
<i>For >5,000, Deduct</i>	-0.07	
32 12 13 19-0002 SY Surface Prime Coat, 0.28 Gallon/SY	1.02	
<i>For Up To 150, Add</i>	0.23	
<i>For >150 To 300, Add</i>	0.10	
<i>For >300 To 500, Add</i>	0.05	
<i>For >3,500 To 5,000, Deduct</i>	-0.03	
<i>For >5,000, Deduct</i>	-0.07	
32 12 13 19-0003 SY Surface Prime Coat, 0.30 Gallon/SY	1.07	
<i>For Up To 150, Add</i>	0.24	
<i>For >150 To 300, Add</i>	0.11	
<i>For >300 To 500, Add</i>	0.05	
<i>For >3,500 To 5,000, Deduct</i>	-0.03	
<i>For >5,000, Deduct</i>	-0.07	
32 12 16 Asphalt Paving <small>(32 12)</small>		
32 12 16 13 Plant-Mix Asphalt Paving <small>(32 12 16)</small>		
<small>Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.</small>		
32 12 16 13-0001 Asphalt Courses <small>(32 12 16 13)</small>		
<small>Note: Types PG64-10, PG70-10, PG64-28, PG64-16 as per the "Green Book" specification 2012</small>		
32 12 16 13-0002 TON Bituminous Hot Mix Course	89.01	
<small>Note: Includes types PG64-10, PG70-10, PG64-28, PG64-16 as per the "Green Book" specification 2012, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.</small>		
<i>For Warm Mix Additive, Add</i>	4.34	
32 12 16 13-0003 Surface Courses, Hot Mix Asphalt (HMA) <small>(32 12 16 13)</small>		
<small>Note: Meets Caltrans requirements.</small>		
32 12 16 13-0004 TON Asphalt Rubberized Hot Mix (ARHM) Surface Course	144.89	
<small>Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.</small>		
<i>For Warm Mix Additive, Add</i>	7.74	
<i>For >500 To 1,000, Deduct</i>	-6.36	
<i>For >1,000 To 2,500, Deduct</i>	-11.53	
<i>For >2,500 To 5,000, Deduct</i>	-17.89	
<i>For >5,000, Deduct</i>	-25.64	
32 12 16 13-0005 SY 1" Thick Surface Course	6.85	
<small>Note: Includes placement, rolling, finishing and sweeping.</small>		
<i>For PG64-10 Asphalt, Add</i>	0.13	
<i>For >10,000 To 20,000, Deduct</i>	-0.29	
<i>For >20,000 To 50,000, Deduct</i>	-0.54	
<i>For >50,000 To 100,000, Deduct</i>	-0.83	
<i>For >100,000, Deduct</i>	-1.19	
32 12 16 13-0006 SY 1-1/2" Thick Surface Course	10.10	
<small>Note: Includes placement, rolling, finishing and sweeping.</small>		
<i>For PG64-10 Asphalt, Add</i>	0.20	
<i>For >7,000 To 14,000, Deduct</i>	-0.44	
<i>For >14,000 To 32,000, Deduct</i>	-0.80	
<i>For >32,000 To 64,000, Deduct</i>	-1.23	
<i>For >64,000, Deduct</i>	-1.77	
32 12 16 13-0007 SY 2" Thick Surface Course	13.33	
<small>Note: Includes placement, rolling, finishing and sweeping.</small>		
<i>For PG64-10 Asphalt, Add</i>	0.26	
<i>For >5,000 To 10,000, Deduct</i>	-0.58	
<i>For >10,000 To 24,000, Deduct</i>	-1.06	
<i>For >24,000 To 48,000, Deduct</i>	-1.64	
<i>For >48,000, Deduct</i>	-2.35	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 12	Flexible Paving



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0008	SY		2-1/2" Thick Surface Course.....	16.17	
			Note: Includes placement, rolling, finishing and sweeping.		
			For PG64-10 Asphalt, Add	0.33	
			For >4,000 To 8,000, Deduct	-0.72	
			For >8,000 To 20,000, Deduct	-1.30	
			For >20,000 To 40,000, Deduct	-2.02	
			For >40,000, Deduct	-2.90	
32 12 16 13-0009	SY		3" Thick Surface Course.....	19.05	
			Note: Includes placement, rolling, finishing and sweeping.		
			For PG64-10 Asphalt, Add	0.39	
			For >3,000 To 6,000, Deduct	-0.85	
			For >6,000 To 16,000, Deduct	-1.55	
			For >16,000 To 32,000, Deduct	-2.40	
			For >32,000, Deduct	-3.44	
32 12 16 13-0010	CSF		Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench.....	48.76	
32 12 16 13-0011			Hand Placed, Hot Mix Asphalt (HMA) (32 12 16 13)		
32 12 16 13-0012	TON		Hand Placed Hot Mixed Asphalt 3,954 LB/CY	250.89	
			Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.		
32 12 16 19			Cold-Mix Asphalt Paving (32 12 16)		
			Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0001			Cold Mix Asphalt (CMA) Pavement (32 12 16 19)		
			Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0002	SY		Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course.....	10.71	
32 12 16 19-0003	SY		Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course.....	10.49	
32 12 16 19-0004	SY		Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course	18.10	
32 12 16 39			Fabrics (32 12 16)		
			See CSI section 31 32 19 16-0000 for geotextile fabric.		
32 12 16 39-0001	SY		3.6 Oz/SY, 90 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O)	0.78	
			For Up To 50, Add	0.18	
			For >50 To 150, Add	0.13	
			For >150 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
32 12 16 39-0002	SY		4.1 Oz/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O)	0.84	
			For Up To 50, Add	0.19	
			For >50 To 150, Add	0.14	
			For >150 To 250, Add	0.09	
			For >250 To 500, Add	0.05	
32 12 16 43			Waterproofing Membranes (32 12 16)		
32 12 16 43-0001			Waterproofing Membranes (32 12 16 43)		
32 12 16 43-0002	SY		Up To 500 SY, Preformed Rubberized Asphalt Membrane	26.10	
32 12 16 43-0003	SY		>500 To 1,000 SY, Preformed Rubberized Asphalt Membrane	19.92	
32 12 16 43-0004	SY		>1,000 SY, Preformed Rubberized Asphalt Membrane	12.94	
32 12 33			Flexible Paving Surface Treatments (32 12)		
32 12 33 00-0001			Bituminous Surface Treatment For Roadways (32 12 33)		
			Note: 0.25 Gal bitumen per SY and 30 lb of gravel/SY.		
32 12 33 00-0002	SY		Single Course Bituminous Treatment, Prepare And Clean Surface Roadway	2.50	
32 12 33 00-0003	SY		Double Course Bituminous Treatment, Prepare And Clean Surface Roadway	4.43	
32 12 33 00-0004			Bituminous Surface Treatment For Trails (32 12 33)		
			Note: 0.25 Gal bitumen per SY and 20 lb of gravel/SY.		
32 12 33 00-0005	SY		Bituminous Surface Treatment, For Trails	1.79	
32 12 36			Seal Coats (32 12)		
32 12 36 00-0001			Asphalt Seal Coating, For Roads And Parking Lot (32 12 36)		
			Note: Includes sweeping and cleaning of area.		
32 12 36 00-0002	SY		Asphalt Seal Coating Minimum	322.53	
			Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
32 12 36 00-0003	SY		>1,000 SY, Asphalt Seal Coating, 2 Coats Slurry Seal, Roadways Or Large Areas.....	1.62	
32 12 36 00-0004	SY		Type O Asphalt Seal Coating, No Aggregate.....	0.90	
32 12 36 00-0005	SY		Up To 500 SY, Type I Slurry Seal Asphalt Coating.....	3.80	
			Note: 1/8" thick.		
			For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.44	
			For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.51	
			For Rubberized Polymer Modified Emulsion (RPME), Add	0.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 00-0006 SY >500 To 1,000 SY, Type I Slurry Seal Asphalt Coating Note: 1/8" thick. For Tire Rubber Modified Slurry Seal (TRMSS), Add For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add	2.97 0.44 0.51 0.65	
32 12 36 00-0007 SY >1,000 To 5,000 SY, Type I Slurry Seal Asphalt Coating Note: 1/8" thick. For Tire Rubber Modified Slurry Seal (TRMSS), Add For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add	2.33 0.44 0.51 0.65	
32 12 36 00-0008 SY >5,000 To 20,000 SY, Type I Slurry Seal Asphalt Coating Note: 1/8" thick. For Tire Rubber Modified Slurry Seal (TRMSS), Add For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add	1.90 0.44 0.51 0.65	
32 12 36 00-0009 SY >20,000 To 50,000 SY, Type I Slurry Seal Asphalt Coating Note: 1/8" thick. For Tire Rubber Modified Slurry Seal (TRMSS), Add For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add	1.53 0.44 0.51 0.65	
32 12 36 00-0010 SY >50,000 SY, Type I Slurry Seal Asphalt Coating Note: 1/8" thick. For Tire Rubber Modified Slurry Seal (TRMSS), Add For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add	1.20 0.44 0.51 0.65	
32 12 36 00-0011 SY Up To 500 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY. For Latex Modified Asphalt Emulsion, Add For Tire Rubber Modified Slurry Seal (TRMSS), Add For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add	4.67 0.35 0.44 0.51 0.65	
32 12 36 00-0012 SY >500 To 1,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY. For Latex Modified Asphalt Emulsion, Add For Tire Rubber Modified Slurry Seal (TRMSS), Add For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add	3.76 0.30 0.44 0.51 0.65	
32 12 36 00-0013 SY >1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY. For Latex Modified Asphalt Emulsion, Add For Tire Rubber Modified Slurry Seal (TRMSS), Add For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add	2.91 0.24 0.44 0.51 0.65	
32 12 36 00-0014 SY >5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY. For Latex Modified Asphalt Emulsion, Add For Tire Rubber Modified Slurry Seal (TRMSS), Add For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add	2.32 0.20 0.44 0.51 0.65	
32 12 36 00-0015 SY >20,000 To 50,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY. For Latex Modified Asphalt Emulsion, Add For Tire Rubber Modified Slurry Seal (TRMSS), Add For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add	1.95 0.17 0.44 0.51 0.65	
32 12 36 00-0016 SY >50,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY. For Latex Modified Asphalt Emulsion, Add For Tire Rubber Modified Slurry Seal (TRMSS), Add For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add	1.70 0.15 0.44 0.51 0.65	
32 12 36 00-0017 SY Up To 500 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY. For Latex Modified Asphalt Emulsion, Add For Tire Rubber Modified Slurry Seal (TRMSS), Add For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add	5.36 0.40 0.44 0.51 0.65	
32 12 36 00-0018 SY >500 To 1,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY. For Latex Modified Asphalt Emulsion, Add For Tire Rubber Modified Slurry Seal (TRMSS), Add For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add	4.42 0.35 0.44 0.51 0.65	
32 12 36 00-0019 SY >1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY. For Latex Modified Asphalt Emulsion, Add For Tire Rubber Modified Slurry Seal (TRMSS), Add For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add	3.36 0.28 0.44 0.51 0.65	
32 12 36 00-0020 SY >5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY. For Latex Modified Asphalt Emulsion, Add For Tire Rubber Modified Slurry Seal (TRMSS), Add For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add	2.72 0.24 0.44 0.51 0.65	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 12 Flexible Paving**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 00-0021 SY >20,000 To 50,000 SY, Type III Slurry Seal Asphalt Coating	2.28	
Note: 3/8" thick, 25 to 30 Lbs/SY.		
For Latex Modified Asphalt Emulsion, Add	0.20	
For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.44	
For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.51	
For Rubberized Polymer Modified Emulsion (RPME), Add	0.65	
32 12 36 00-0022 SY >50,000 SY, Type III Slurry Seal Asphalt Coating	1.87	
Note: 3/8" thick, 25 to 30 Lbs/SY.		
For Latex Modified Asphalt Emulsion, Add	0.17	
For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.44	
For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.51	
For Rubberized Polymer Modified Emulsion (RPME), Add	0.65	
32 12 36 00-0023 SY Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	4.38	
32 12 36 00-0024 SY >500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	3.65	
32 12 36 00-0025 SY >1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	2.82	
32 12 36 00-0026 SY >5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	2.31	
32 12 36 00-0027 SY >20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	1.95	
32 12 36 00-0028 SY Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	5.01	
32 12 36 00-0029 SY >500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	4.28	
32 12 36 00-0030 SY >1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	3.37	
32 12 36 00-0031 SY >5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	2.80	
32 12 36 00-0032 SY >20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	2.39	
32 12 36 00-0033 Water Based Emulsion Sealer (32 12 36)		
Note: Includes sweeping and cleaning of area.		
32 12 36 00-0034 SY Up To 500 SY Water Based Emulsion Sealer, For Asphalt, First Coat	3.24	
For Additional Coats, Add	1.81	
32 12 36 00-0035 SY >500 To 1,000 SY Water Based Emulsion Sealer, For Asphalt, First Coat	2.60	
For Additional Coats, Add	1.44	
32 12 36 00-0036 SY >1,000 SY Water Based Emulsion Sealer, For Asphalt, First Coat	1.95	
For Additional Coats, Add	1.08	
32 12 36 00-0037 Sand Sealer (32 12 36)		
Note: To be added to Slurry Seal.		
32 12 36 00-0038 SY Up To 200 SY Sand Seal Spray Applied Asphalt Emulsion	2.03	
32 12 36 00-0039 SY >200 To 500 SY Sand Seal Spray Applied Asphalt Emulsion	1.55	
32 12 36 00-0040 SY >500 To 1,100 SY Sand Seal Spray Applied Asphalt Emulsion	1.38	
32 12 36 00-0041 SY >1,100 To 4,400 SY Sand Seal Spray Applied Asphalt Emulsion	1.08	
32 12 36 00-0042 SY >4,400 To 7,800 SY Sand Seal Spray Applied Asphalt Emulsion	0.99	
32 12 36 00-0043 SY >7,800 To 16,700 SY Sand Seal Spray Applied Asphalt Emulsion	0.92	
32 12 36 00-0044 SY >16,700 SY Sand Seal Spray Applied Asphalt Emulsion	0.86	
32 12 36 00-0045 Fog Sealer (32 12 36)		
32 12 36 00-0046 SY Up To 200 SY Fog Seal, SS-1H	1.76	
32 12 36 00-0047 SY >200 To 500 SY Fog Seal, SS-1H	1.28	
32 12 36 00-0048 SY >500 To 1,100 SY Fog Seal, SS-1	1.12	
32 12 36 00-0049 SY >1,100 To 4,400 SY Fog Seal, SS-1H	0.81	
32 12 36 00-0050 SY >4,400 To 7,800 SY Fog Seal, SS-1H	0.72	
32 12 36 00-0051 SY >7,800 To 16,700 SY Fog Seal, SS-1H	0.64	
32 12 36 00-0052 SY >16,700 SY Fog Seal, SS-1H	0.57	
32 12 36 00-0053 Asphalt Emulsion Sealers (Chip Seal) (32 12 36)		
32 12 36 00-0054 Fine Screenings Seal Coat (32 12 36 00-0053)		
Note: 12 to 20 # Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 00-0055 SY Up To 200 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.65	
32 12 36 00-0056 SY >200 To 500 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.10	
32 12 36 00-0057 SY >500 To 1,100 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.91	
32 12 36 00-0058 SY >1,100 To 4,400 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.59	
32 12 36 00-0059 SY >4,400 To 7,800 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.48	
32 12 36 00-0060 SY >7,800 To 16,700 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.40	
32 12 36 00-0061 SY >16,700 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.32	
32 12 36 00-0062 Medium Fine Screenings Seal Coat (32 12 36 00-0053)		
Note: 16 to 25 # Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.		
32 12 36 00-0063 SY Up To 200 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	3.00	
32 12 36 00-0064 SY >200 To 500 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.42	
32 12 36 00-0065 SY >500 To 1,100 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.21	
32 12 36 00-0066 SY >1,100 To 4,400 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.88	
32 12 36 00-0067 SY >4,400 To 7,800 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.76	
32 12 36 00-0068 SY >7,800 To 16,700 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.68	
32 12 36 00-0069 SY >16,700 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.59	
32 12 36 00-0070 Medium Screenings Seal Coat (32 12 36 00-0053)		
Note: 20 to 30 # Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 00-0071 SY Up To 200 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	3.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 00-0072 SY >200 To 500 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.52	
32 12 36 00-0073 SY >500 To 1,100 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.31	
32 12 36 00-0074 SY >1,100 To 4,400 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.98	
32 12 36 00-0075 SY >4,400 To 7,800 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.86	
32 12 36 00-0076 SY >7,800 To 16,700 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.77	
32 12 36 00-0077 SY >16,700 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.68	
32 12 36 00-0078 Course Screenings Seal Coat <small>(32 12 36 00-0053)</small>		
Note: 23 to 30 # Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 00-0079 SY Up To 200 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	3.19	
32 12 36 00-0080 SY >200 To 500 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.58	
32 12 36 00-0081 SY >500 To 1,100 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.36	
32 12 36 00-0082 SY >1,100 To 4,400 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.03	
32 12 36 00-0083 SY >4,400 To 7,800 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.90	
32 12 36 00-0084 SY >7,800 To 16,700 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.81	
32 12 36 00-0085 SY >16,700 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.72	
32 12 36 00-0086 Double Screenings Seal Coat <small>(32 12 36 00-0053)</small>		
Note: First coat 23 to 30 # Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 # Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 00-0087 SY Up To 200 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	4.95	
32 12 36 00-0088 SY >200 To 500 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	4.03	
32 12 36 00-0089 SY >500 To 1,100 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	3.72	
32 12 36 00-0090 SY >1,100 To 4,400 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	3.21	
32 12 36 00-0091 SY >4,400 To 7,800 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	3.02	
32 12 36 00-0092 SY >7,800 To 16,700 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.89	
32 12 36 00-0093 SY >16,700 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.74	
32 12 36 00-0094 Seal Coat With Sand And Latex <small>(32 12 36)</small>		
32 12 36 00-0095 SY Up To 250 SY Seal Coat With Sand And Latex Added (One Coat).....	3.93	
32 12 36 00-0096 SY >250 To 500 SY Seal Coat With Sand And Latex Added (One Coat).....	3.25	
32 12 36 00-0097 SY >500 To 1,000 SY Seal Coat With Sand And Latex Added (One Coat).....	2.58	
32 12 36 00-0098 SY >1,000 To 2,500 SF Seal Coat With Sand And Latex Added (One Coat).....	1.90	
32 12 36 00-0099 SY >2,500 To 5,000 SY Seal Coat With Sand And Latex Added (One Coat).....	1.49	
32 12 36 00-0100 SY >5,000 To 10,000 SY Seal Coat With Sand And Latex Added (One Coat).....	1.36	
32 12 36 00-0101 SY >10,000 To 20,000 SY Seal Coat With Sand And Latex Added (One Coat).....	1.22	
32 12 36 00-0102 SY >20,000 To 40,000 SY Seal Coat With Sand And Latex Added (One Coat).....	1.09	
32 12 36 00-0103 SY >40,000 SY Seal Coat With Sand And Latex Added (One Coat).....	0.95	
32 12 36 00-0104 Asphalt Rubber Aggregate Membrane <small>(32 12 36)</small>		
Note: Includes cleaning and preparing existing surface, spreading asphalt rubber and cover aggregate, rolling and sweeping.		
32 12 36 00-0105 SY Up To 200 SY 3/8" Asphalt Rubber Aggregate Membrane.....	5.45	
32 12 36 00-0106 SY >200 To 500 SY 3/8" Asphalt Rubber Aggregate Membrane.....	4.47	
32 12 36 00-0107 SY >500 To 1,100 SY 3/8" Asphalt Rubber Aggregate Membrane.....	4.13	
32 12 36 00-0108 SY >1,100 To 4,400 SY 3/8" Asphalt Rubber Aggregate Membrane.....	3.61	
32 12 36 00-0109 SY >4,400 To 7,800 SY 3/8" Asphalt Rubber Aggregate Membrane.....	3.40	
32 12 36 00-0110 SY >7,800 To 16,700 SY 3/8" Asphalt Rubber Aggregate Membrane.....	3.26	
32 12 36 00-0111 SY >16,700 SY 3/8" Asphalt Rubber Aggregate Membrane.....	3.10	
32 12 36 00-0112 Guardtop Seal Coat <small>(32 12 36)</small>		
Note: Includes sweeping and cleaning of area.		
32 12 36 00-0113 SY Guardtop Seal Coat.....	2.39	
For 3% Polyglass Additive, Add	0.04	
For 6% Polyglass Additive, Add	0.09	
For Guardtop Black Sand 60 Mesh Additive (@ 3 lbs per gallon), Add	0.03	
32 12 36 00-0114 LF Guardtop Cold Crack Filler.....	0.79	
32 12 36 00-0115 LF Guardtop Hot Crack Filler.....	0.90	
32 12 36 00-0116 SY Guardtop Oil Sealer For Asphalt.....	3.15	
32 12 36 00-0117 EA Delivery Charge For Each Container.....	345.77	
Note: Includes delivery and removal.		
32 12 43 Porous Flexible Paving <small>(32 12)</small>		
32 12 43 00-0001 Flexible Recycled Plastic Porous Grid <small>(32 12 43)</small>		
Note: Includes sand fill in rings. Excludes base, earth work and grass or sod.		
32 12 43 00-0002 SY 1" Thick, Recycled Plastic Flexible Pavement With Sand Fill.....	19.96	
Note: Includes sand fill in rings. Excludes base, earth work and grass or sod. Invisible Structures, Inc.; Grasspave2.		
For Up To 100, Add	6.78	
For >100 To 500, Add	1.71	
For >1,000 To 5,000, Deduct	-0.72	
For >5,000, Deduct	-1.46	
32 12 73 Asphalt Paving Joint Sealants <small>(32 12)</small>		

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 12	Flexible Paving



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 12 73 00-0001 Expansion Joint In Sidewalk ^(32 12 73)
32 12 73 00-0002 LF For Hot Asphalt Poured Over Expansion Joint In Sidewalk2.74

32 13 Rigid Paving ^(32 10)

32 13 13 Concrete Paving ^(32 13)

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

32 13 13 33 Plain Concrete Paving ^(32 13 13)

32 13 13 33-0001 Concrete Paving Assemblies ^(32 13 13 33)

Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 00 00-0001 for color additive.

32 13 13 33-0002 4,500 PSI Concrete Paving Assembly ^(32 13 13 33-0001)

32 13 13 33-0003	SY	4" 4,500 PSI Concrete Paving Assembly	34.35
		For 2,500 PSI Concrete, Deduct	-1.88
		For 3,000 PSI Concrete, Deduct	-1.23
		For 3,500 PSI Concrete, Deduct	-0.98
		For 4,000 PSI Concrete, Deduct	-0.43
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	2.13
		For <10' Wide Pass, Add	6.13
		For >24' Wide Pass, Deduct	-6.87
		For Air Entrainment, Add	0.82
		For Slipforming, Deduct	-3.44
		For Up To 100, Add	14.07
		For >100 To 250, Add	7.85
		For >250 To 500, Add	3.93
		For >1,000 To 2,000, Deduct	-0.82
		For >2,000 To 5,000, Deduct	-1.68
		For >5,000 To 10,000, Deduct	-2.54
		For >10,000 To 20,000, Deduct	-3.39
		For >20,000, Deduct	-4.25
32 13 13 33-0004	SY	5" 4,500 PSI Concrete Paving Assembly	40.51
		For 2,500 PSI Concrete, Deduct	-2.36
		For 3,000 PSI Concrete, Deduct	-1.54
		For 3,500 PSI Concrete, Deduct	-1.23
		For 4,000 PSI Concrete, Deduct	-0.53
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	2.67
		For <10' Wide Pass, Add	7.05
		For >24' Wide Pass, Deduct	-8.10
		For Air Entrainment, Add	1.03
		For Slipforming, Deduct	-4.05
		For Up To 100, Add	16.09
		For >100 To 250, Add	9.07
		For >250 To 500, Add	4.54
		For >1,000 To 2,000, Deduct	-1.03
		For >2,000 To 5,000, Deduct	-2.04
		For >5,000 To 10,000, Deduct	-3.05
		For >10,000 To 20,000, Deduct	-4.06
		For >20,000, Deduct	-5.08
32 13 13 33-0005	SY	6" 4,500 PSI Concrete Paving Assembly	43.31
		For 2,500 PSI Concrete, Deduct	-2.49
		For 3,000 PSI Concrete, Deduct	-1.62
		For 3,500 PSI Concrete, Deduct	-1.30
		For 4,000 PSI Concrete, Deduct	-0.56
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	2.82
		For <10' Wide Pass, Add	7.58
		For >24' Wide Pass, Deduct	-8.66
		For Air Entrainment, Add	1.08
		For Slipforming, Deduct	-4.33
		For Up To 100, Add	17.32
		For >100 To 250, Add	9.74
		For >250 To 500, Add	4.87
		For >1,000 To 2,000, Deduct	-1.08
		For >2,000 To 5,000, Deduct	-2.17
		For >5,000 To 10,000, Deduct	-3.25
		For >10,000 To 20,000, Deduct	-4.33
		For >20,000, Deduct	-5.41



		Exterior Improvements	32
		Bases, Ballasts, And Paving	32 10
		Rigid Paving	32 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0006 SY 7" 4,500 PSI Concrete Paving Assembly.....	51.29	
For 2,500 PSI Concrete, Deduct	-3.14	
For 3,000 PSI Concrete, Deduct	-2.05	
For 3,500 PSI Concrete, Deduct	-1.64	
For 4,000 PSI Concrete, Deduct	-0.71	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	3.55	
For <10' Wide Pass, Add	8.73	
For >24' Wide Pass, Deduct	-10.26	
For Air Entrainment, Add	1.37	
For Slipforming, Deduct	-5.13	
For Up To 100, Add	19.85	
For >100 To 250, Add	11.29	
For >250 To 500, Add	5.65	
For >1,000 To 2,000, Deduct	-1.37	
For >2,000 To 5,000, Deduct	-2.65	
For >5,000 To 10,000, Deduct	-3.93	
For >10,000 To 20,000, Deduct	-5.21	
For >20,000, Deduct	-6.49	
32 13 13 33-0007 SY 8" 4,500 PSI Concrete Paving Assembly.....	58.75	
For 2,500 PSI Concrete, Deduct	-3.45	
For 3,000 PSI Concrete, Deduct	-2.25	
For 3,500 PSI Concrete, Deduct	-1.80	
For 4,000 PSI Concrete, Deduct	-0.78	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	3.90	
For <10' Wide Pass, Add	10.19	
For >24' Wide Pass, Deduct	-11.75	
For Air Entrainment, Add	1.50	
For Slipforming, Deduct	-5.88	
For Up To 100, Add	23.26	
For >100 To 250, Add	13.13	
For >250 To 500, Add	6.56	
For >1,000 To 2,000, Deduct	-1.50	
For >2,000 To 5,000, Deduct	-2.97	
For >5,000 To 10,000, Deduct	-4.44	
For >10,000 To 20,000, Deduct	-5.90	
For >20,000, Deduct	-7.37	
32 13 13 33-0008 SY 9" 4,500 PSI Concrete Paving Assembly.....	66.42	
For 2,500 PSI Concrete, Deduct	-3.98	
For 3,000 PSI Concrete, Deduct	-2.60	
For 3,500 PSI Concrete, Deduct	-2.08	
For 4,000 PSI Concrete, Deduct	-0.90	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	4.50	
For <10' Wide Pass, Add	11.41	
For >24' Wide Pass, Deduct	-13.28	
For Air Entrainment, Add	1.73	
For Slipforming, Deduct	-6.64	
For Up To 100, Add	26.00	
For >100 To 250, Add	14.73	
For >250 To 500, Add	7.37	
For >1,000 To 2,000, Deduct	-1.73	
For >2,000 To 5,000, Deduct	-3.39	
For >5,000 To 10,000, Deduct	-5.05	
For >10,000 To 20,000, Deduct	-6.71	
For >20,000, Deduct	-8.37	
32 13 13 33-0009 SY 10" 4,500 PSI Concrete Paving Assembly.....	74.07	
For 2,500 PSI Concrete, Deduct	-4.38	
For 3,000 PSI Concrete, Deduct	-2.86	
For 3,500 PSI Concrete, Deduct	-2.29	
For 4,000 PSI Concrete, Deduct	-0.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	4.95	
For <10' Wide Pass, Add	12.80	
For >24' Wide Pass, Deduct	-14.81	
For Air Entrainment, Add	1.91	
For Slipforming, Deduct	-7.41	
For Up To 100, Add	29.20	
For >100 To 250, Add	16.51	
For >250 To 500, Add	8.25	
For >1,000 To 2,000, Deduct	-1.91	
For >2,000 To 5,000, Deduct	-3.76	
For >5,000 To 10,000, Deduct	-5.61	
For >10,000 To 20,000, Deduct	-7.46	
For >20,000, Deduct	-9.31	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 13	Rigid Paving



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0010 SY 12" 4,500 PSI Concrete Paving Assembly	88.28	
For 2,500 PSI Concrete, Deduct	-5.19	
For 3,000 PSI Concrete, Deduct	-3.38	
For 3,500 PSI Concrete, Deduct	-2.71	
For 4,000 PSI Concrete, Deduct	-1.17	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	5.87	
For <10' Wide Pass, Add	15.30	
For >24' Wide Pass, Deduct	-17.66	
For Air Entrainment, Add	2.26	
For Slipforming, Deduct	-8.83	
For Up To 100, Add	34.92	
For >100 To 250, Add	19.72	
For >250 To 500, Add	9.86	
For >1,000 To 2,000, Deduct	-2.26	
For >2,000 To 5,000, Deduct	-4.46	
For >5,000 To 10,000, Deduct	-6.67	
For >10,000 To 20,000, Deduct	-8.88	
For >20,000, Deduct	-11.08	
32 13 13 33-0011 SY 15" 4,500 PSI Concrete Paving Assembly	112.69	
For 2,500 PSI Concrete, Deduct	-6.37	
For 3,000 PSI Concrete, Deduct	-4.16	
For 3,500 PSI Concrete, Deduct	-3.32	
For 4,000 PSI Concrete, Deduct	-1.44	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	7.20	
For <10' Wide Pass, Add	19.86	
For >24' Wide Pass, Deduct	-22.54	
For Air Entrainment, Add	2.77	
For Slipforming, Deduct	-11.27	
For Up To 100, Add	45.45	
For >100 To 250, Add	25.50	
For >250 To 500, Add	12.75	
For >1,000 To 2,000, Deduct	-2.77	
For >2,000 To 5,000, Deduct	-5.59	
For >5,000 To 10,000, Deduct	-8.40	
For >10,000 To 20,000, Deduct	-11.22	
For >20,000, Deduct	-14.04	
32 13 16 Decorative Concrete Paving (32 13)		
32 13 16 13 Patterned Concrete Paving (32 13 16)		
32 13 16 13-0001 SF For Patterned (Tactile) Finish In Concrete Sidewalk.....	2.81	
32 13 43 Pervious Concrete Paving (32 13)		
32 13 43 00-0001 Pervious Concrete Assembly (32 13 43)		
Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.		
32 13 43 00-0002 SF 6" Thick Pervious Concrete Paving.....	9.25	
Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
For >5,000 To 30,000, Deduct	-1.03	
For >30,000 To 100,000, Deduct	-1.93	
For >100,000, Deduct	-2.40	
32 13 43 00-0003 SF 9" Thick Pervious Concrete Paving.....	11.46	
Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
For >5,000 To 30,000, Deduct	-1.25	
For >30,000 To 100,000, Deduct	-2.31	
For >100,000, Deduct	-2.87	
32 13 73 Concrete Paving Joint Sealants (32 13)		
32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants (32 13 73)		
32 13 73 13-0001 Concrete Pavement Joint And Crack Repair (32 13 73 13)		
Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 13-0002 LF Pavement Sealing, Roads Resealing Joints In Concrete Pavements For Roads	6.14	
32 13 73 16 Field-Molded Concrete Paving Joint Sealants (32 13 73)		
32 13 73 16-0001 Preformed Elastomeric Concrete Pavement Joint And Crack Repair (32 13 73 16)		
Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 16-0002 LF Joint Sealing, Concrete Pavement Preformed Elastomeric	9.67	
32 13 73 19 Compression Concrete Paving Joint Sealants (32 13 73)		
32 13 73 19-0001 Silicone Joint Sealant For Concrete Pavement (32 13 73 19)		
Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where sawcutting is not required. Excludes saw cutting.		
32 13 73 19-0002 LF 1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	6.42	1.52



		Exterior Improvements	32
		Bases, Ballasts, And Paving	32 10
		Rigid Paving	32 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 73 19-0003	LF		3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	6.68	1.56
32 13 73 19-0004	LF		1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	6.98	1.59
32 13 73 19-0005	LF		3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	7.90	1.61
32 13 73 19-0006	LF		1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	9.06	1.66
32 13 73 19-0007	LF		1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	10.58	1.68
32 13 73 19-0008	LF		2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	12.84	1.72

32 14 Unit Paving (32 10)

32 14 09 Paver Restraints (32 14)

32 14 09 00-0001 Paver Restraints (32 14 09)

Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.

32 14 09 00-0002	LF		Up To 2" Height, Vinyl Paver Restraint	2.71	0.66
			<i>For >1,000 To 2,000, Deduct</i>	-0.36	
			<i>For >2,000 To 4,000, Deduct</i>	-0.53	
			<i>For >4,000, Deduct</i>	-0.68	
32 14 09 00-0003	LF		Up To 2" Height, Galvanized Steel Paver Restraint	2.93	0.66
			<i>For >500 To 1,000, Deduct</i>	-0.09	
			<i>For >1,000 To 2,000, Deduct</i>	-0.19	
			<i>For >2,000, Deduct</i>	-0.28	
32 14 09 00-0004	LF		Up To 1" Height, Aluminum Paver Restraint	2.82	0.66
			<i>For >250 To 500, Deduct</i>	-0.18	
			<i>For >500 To 1,000, Deduct</i>	-0.26	
			<i>For >1,000 To 1,500, Deduct</i>	-0.44	
32 14 09 00-0005	LF		>1" To 2" Height, Aluminum Paver Restraint	3.31	0.66
			<i>For >250 To 500, Deduct</i>	-0.23	
			<i>For >500 To 1,000, Deduct</i>	-0.34	
			<i>For >1,000 To 1,500, Deduct</i>	-0.56	
32 14 09 00-0006	LF		>2" To 3" Height, Aluminum Paver Restraint	4.26	0.66
			<i>For >250 To 500, Deduct</i>	-0.32	
			<i>For >500 To 1,000, Deduct</i>	-0.48	
			<i>For >1,000 To 1,500, Deduct</i>	-0.80	
32 14 09 00-0007	LF		>3" To 4" Height, Aluminum Paver Restraint	4.99	0.66
			<i>For >250 To 500, Deduct</i>	-0.39	
			<i>For >500 To 1,000, Deduct</i>	-0.59	
			<i>For >1,000 To 1,500, Deduct</i>	-0.98	

32 14 11 Bedding For Unit Paving (32 14)

32 14 11 00-0001 Bedding For Brick, Precast Concrete Paver And Stone Sidewalk (32 14 11)

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 14 11 00-0002	SF		1" To 2" Sand Bedding, Screeded	0.69	
			<i>For Up To 100, Add</i>	0.29	
			<i>For >100 To 500, Add</i>	0.08	
			<i>For >1,000 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000, Deduct</i>	-0.08	
32 14 11 00-0003	SF		1" To 2" Stone Dust Bedding, Screeded	0.88	
			<i>For Up To 100, Add</i>	0.34	
			<i>For >100 To 500, Add</i>	0.09	
			<i>For >1,000 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000, Deduct</i>	-0.08	
32 14 11 00-0004	SF		3" Stone Dust Bedding, Screeded	1.18	
			<i>For Up To 100, Add</i>	0.43	
			<i>For >100 To 500, Add</i>	0.11	
			<i>For >1,000 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000, Deduct</i>	-0.10	
32 14 11 00-0005	SF		4" Stone Dust Bedding, Screeded	1.50	
			<i>For Up To 100, Add</i>	0.54	
			<i>For >100 To 500, Add</i>	0.14	
			<i>For >1,000 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000, Deduct</i>	-0.12	
32 14 11 00-0006	SF		1" Mortar Bedding	1.90	
			<i>For Up To 100, Add</i>	0.85	
			<i>For >100 To 500, Add</i>	0.24	
			<i>For >1,000 To 5,000, Deduct</i>	-0.15	
			<i>For >5,000, Deduct</i>	-0.24	
32 14 11 00-0007	SF		2" Mortar Bedding	2.81	
			<i>For Up To 100, Add</i>	1.20	
			<i>For >100 To 500, Add</i>	0.34	
			<i>For >1,000 To 5,000, Deduct</i>	-0.20	
			<i>For >5,000, Deduct</i>	-0.32	
32 14 11 00-0008	SF		Thin-Set Latex Portland Cement Mortar	0.97	
			<i>For Up To 100, Add</i>	0.44	
			<i>For >100 To 500, Add</i>	0.13	
			<i>For >1,000 To 5,000, Deduct</i>	-0.08	
			<i>For >5,000, Deduct</i>	-0.12	

32 14 13 Precast Concrete Unit Paving (32 14)

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 14 Unit Paving



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 14 13 16 Precast Concrete Unit Paving Slabs (32 14 13)

32 14 13 16-0001	Precast Concrete Paver Sidewalk (32 14 13 16)		
	Note: Square, rectangular, or interlocking pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 13 16-0002	SF 2-3/8" Thick, Up To 32 SI Precast Concrete Paver.....	7.06	1.86
	Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
	For 2-3/4" Concrete Paver, Add	0.69	
	For 3-1/8" Concrete Paver, Add	1.11	
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.54	
	For Up To 100, Add	2.70	
	For >100 To 500, Add	0.73	
	For >1,000 To 5,000, Deduct	-0.37	
	For >5,000, Deduct	-0.66	
32 14 13 16-0003	SF 2-3/8" Thick, >32 to 64 SI Precast Concrete Paver.....	6.72	1.70
	Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
	For 2-3/4" Concrete Paver, Add	0.67	
	For 3-1/8" Concrete Paver, Add	1.09	
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.51	
	For Up To 100, Add	2.53	
	For >100 To 500, Add	0.68	
	For >1,000 To 5,000, Deduct	-0.34	
	For >5,000, Deduct	-0.61	
32 14 13 16-0004	SF 2-3/8" Thick, >64 to 144 SI Precast Concrete Paver.....	6.41	1.35
	Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
	For 2-3/4" Concrete Paver, Add	0.65	
	For 3-1/8" Concrete Paver, Add	1.06	
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.47	
	For Up To 100, Add	2.37	
	For >100 To 500, Add	0.63	
	For >1,000 To 5,000, Deduct	-0.31	
	For >5,000, Deduct	-0.56	
32 14 13 16-0005	SF 2-3/8" Thick, >144 SI Precast Concrete Paver.....	6.13	1.40
	Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
	For 2-3/4" Concrete Paver, Add	0.64	
	For 3-1/8" Concrete Paver, Add	1.04	
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.45	
	For Up To 100, Add	2.23	
	For >100 To 500, Add	0.59	
	For >1,000 To 5,000, Deduct	-0.28	
	For >5,000, Deduct	-0.52	
32 14 13 16-0006	SF 2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns	6.56	1.61
	Note: Patterns made by combining pavers from two or more size groups.		
	For 2-3/4" Concrete Paver, Add	0.66	
	For 3-1/8" Concrete Paver, Add	1.07	
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.49	
	For Up To 100, Add	2.45	
	For >100 To 500, Add	0.65	
	For >1,000 To 5,000, Deduct	-0.32	
	For >5,000, Deduct	-0.58	

32 14 13 19 Porous Precast Concrete Unit Paving (32 14 13)

32 14 13 19-0001	Turf Block (32 14 13 19)		
	Note: Grass grid, open-cell unit paver, geoblock.		
32 14 13 19-0002	SF 3-1/8" Thick, Precast Concrete Turf Block	6.56	1.61
	For Up To 100, Add	2.45	
	For >100 To 500, Add	0.65	
	For >1,000 To 5,000, Deduct	-0.32	
	For >5,000, Deduct	-0.58	

32 14 16 Brick Unit Paving (32 14)

32 14 16 00-0001	Brick Paver Sidewalk (32 14 16)		
	Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 16 00-0002	SF 4" x 8" x 2-1/4" Brick Paver, Laid Flat	8.11	1.86
	For 1-3/8" Thick Paver, Deduct	-1.72	
	For 2-3/4" Thick Paver (Vehicular), Add	3.92	
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.59	
	For Up To 100, Add	2.96	
	For >100 To 500, Add	0.78	
	For >1,000 To 5,000, Deduct	-0.37	
	For >5,000, Deduct	-0.69	
32 14 16 00-0003	SF 4" x 8" x 2-1/4" Brick, Laid On Edge.....	12.03	2.12
	For 1-3/8" Thick Paver, Deduct	-2.94	
	For 2-3/4" Thick Paver (Vehicular), Add	6.86	
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.81	
	For Up To 100, Add	4.07	
	For >100 To 500, Add	1.03	
	For >1,000 To 5,000, Deduct	-0.42	
	For >5,000, Deduct	-0.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 33 Plastic Paving <small>(32 14)</small>		
32 14 33 00-0001 Turf Block Plastic Paving <small>(32 14 33)</small>		
32 14 33 00-0002 SF 4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block	9.84	1.61
<i>For Up To 100, Add</i>	3.27	
<i>For >100 To 500, Add</i>	0.82	
<i>For >1,000 To 5,000, Deduct</i>	-0.32	
<i>For >5,000, Deduct</i>	-0.68	
32 14 40 Stone Paving <small>(32 14)</small>		
32 14 40 00-0001 Slate Paver Sidewalk <small>(32 14 40)</small>		
Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0002 SF 1" Thick, Up to 54 SI Slate Paver	14.06	1.54
Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.86	
<i>For 1/4" Thick Paver, Deduct</i>	-7.80	
<i>For 1/2" Thick Paver, Deduct</i>	-5.51	
<i>For Up To 100, Add</i>	4.29	
<i>For >100 To 500, Add</i>	1.01	
<i>For >1,000 To 5,000, Deduct</i>	-0.31	
<i>For >5,000, Deduct</i>	-0.79	
32 14 40 00-0003 SF 1" Thick, >54 to 108 SI Slate Paver	13.78	1.40
Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.83	
<i>For 1/4" Thick Paver, Deduct</i>	-7.73	
<i>For 1/2" Thick Paver, Deduct</i>	-5.47	
<i>For Up To 100, Add</i>	4.15	
<i>For >100 To 500, Add</i>	0.97	
<i>For >1,000 To 5,000, Deduct</i>	-0.28	
<i>For >5,000, Deduct</i>	-0.75	
32 14 40 00-0004 SF 1" Thick, >108 to 216 SI Slate Paver	13.29	1.16
Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.78	
<i>For 1/4" Thick Paver, Deduct</i>	-7.60	
<i>For 1/2" Thick Paver, Deduct</i>	-5.40	
<i>For Up To 100, Add</i>	3.90	
<i>For >100 To 500, Add</i>	0.90	
<i>For >1,000 To 5,000, Deduct</i>	-0.23	
<i>For >5,000, Deduct</i>	-0.68	
32 14 40 00-0005 SF 1" Thick, >216 SI Slate Paver	13.08	1.05
Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.76	
<i>For 1/4" Thick Paver, Deduct</i>	-7.55	
<i>For 1/2" Thick Paver, Deduct</i>	-5.37	
<i>For Up To 100, Add</i>	3.80	
<i>For >100 To 500, Add</i>	0.86	
<i>For >1,000 To 5,000, Deduct</i>	-0.21	
<i>For >5,000, Deduct</i>	-0.64	
32 14 40 00-0006 SF 1" Thick, Slate Paver, Combinations And Patterns	13.51	1.27
Note: Patterns made by combining pavers from two or more size groups.		
<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.80	
<i>For 1/4" Thick Paver, Deduct</i>	-7.66	
<i>For 1/2" Thick Paver, Deduct</i>	-5.43	
<i>For Up To 100, Add</i>	4.01	
<i>For >100 To 500, Add</i>	0.93	
<i>For >1,000 To 5,000, Deduct</i>	-0.25	
<i>For >5,000, Deduct</i>	-0.71	
32 14 40 00-0007 Granite Paver Sidewalk <small>(32 14 40)</small>		
Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0008 SF 1" Thick, Up to 54 SI Granite Paver	16.39	1.54
Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.97	
<i>For 2" Granite Paver, Add</i>	0.82	
<i>For 3" Granite Paver, Add</i>	1.64	
<i>For 4" Granite Paver, Add</i>	1.79	
<i>For Up To 100, Add</i>	4.87	
<i>For >100 To 500, Add</i>	1.13	
<i>For >1,000 To 5,000, Deduct</i>	-0.31	
<i>For >5,000, Deduct</i>	-0.86	
32 14 40 00-0009 SF 1" Thick, >54 to 108 SI Granite Paver	16.11	1.40
Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.95	
<i>For 2" Granite Paver, Add</i>	0.81	
<i>For 3" Granite Paver, Add</i>	1.61	
<i>For 4" Granite Paver, Add</i>	1.75	
<i>For Up To 100, Add</i>	4.73	
<i>For >100 To 500, Add</i>	1.09	
<i>For >1,000 To 5,000, Deduct</i>	-0.28	
<i>For >5,000, Deduct</i>	-0.82	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 14	Unit Paving



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0010 SF 1" Thick, >108 to 216 SI Granite Paver..... Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	15.62 0.90 0.78 1.56 1.68 4.48 1.01 -0.23 -0.75	1.16
32 14 40 00-0011 SF 1" Thick, >216 SI Granite Paver..... Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	15.41 0.88 0.77 1.54 1.65 4.38 0.98 -0.21 -0.71	1.05
32 14 40 00-0012 SF 1" Thick, Granite Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	15.84 0.92 0.79 1.58 1.71 4.59 1.05 -0.25 -0.78	1.27

32 15 Aggregate Surfacing (32 10)

32 15 40 Crushed Stone Surfacing (32 15)

Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 15 40 00-0001 Gravel Surfacing And Spreading <small>(32 15 40)</small> Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0002 CY Gravel Surfacing And Spreading.....	73.33	
32 15 40 00-0003 Limestone Screenings <small>(32 15 40)</small> Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.		
32 15 40 00-0004 CY Limestone Screenings For Trail.....	46.41	
32 15 40 00-0005 Decomposed Granite <small>(32 15 40)</small> Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0006 SY 3" To 4" Thick Decomposed Granite Screenings With Stabilizer Pathway Note: Placed in 2 lifts. For Additional 2" Lift For >45 To 180, Deduct For >180 To 450, Deduct For >450, Deduct	10.44 5.22 -0.72 -0.92 -1.11	

32 16 Curbs, Gutters, Sidewalks, And Driveways (32 10)

32 16 13 Curbs And Gutters (32 16)

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0049 for additional saw cuts within the 100'.

32 16 13 13 Cast-In-Place Concrete Curbs And Gutters (32 16 13)

Note: Includes concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0001 Cast In Place Concrete Curbs <small>(32 16 13 13)</small> Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0002 LF 6" x 12" Cast In Place Concrete Curb (Type A1-6) For Up To 20, Add For >20 To 50, Add For >50 To 100, Add For >500 To 1,000, Deduct For >1,000, Deduct	11.19 6.76 3.83 1.46 -1.46 -2.48	5.65
32 16 13 13-0003 LF 6" x 12" Cast In Place Concrete Curb - Radius (Type A1-6) For Up To 20, Add For >20 To 50, Add For >50 To 100, Add For >500 To 1,000, Deduct For >1,000, Deduct	12.81 7.79 4.42 1.69 -1.69 -2.85	6.50
32 16 13 13-0004 LF 6" x 14" Cast In Place Concrete Curb (Type A1-8) For Up To 20, Add For >20 To 50, Add For >50 To 100, Add For >500 To 1,000, Deduct For >1,000, Deduct	12.31 7.40 4.20 1.60 -1.60 -2.71	5.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0005 LF 6" x 14" Cast In Place Concrete Curb - Radius (Type A1-8).....	14.10	6.50
<i>For Up To 20, Add</i>	8.54	
<i>For >20 To 50, Add</i>	4.84	
<i>For >50 To 100, Add</i>	1.85	
<i>For >500 To 1,000, Deduct</i>	-1.85	
<i>For >1,000, Deduct</i>	-3.12	
32 16 13 13-0006 LF 6" x 16" Cast In Place Concrete Curb.....	13.57	5.65
<i>For Up To 20, Add</i>	8.08	
<i>For >20 To 50, Add</i>	4.58	
<i>For >50 To 100, Add</i>	1.75	
<i>For >500 To 1,000, Deduct</i>	-1.75	
<i>For >1,000, Deduct</i>	-2.97	
32 16 13 13-0007 LF 6" x 16" Cast In Place Concrete Curb - Radius.....	15.51	8.47
<i>For Up To 20, Add</i>	9.32	
<i>For >20 To 50, Add</i>	5.28	
<i>For >50 To 100, Add</i>	2.02	
<i>For >500 To 1,000, Deduct</i>	-2.02	
<i>For >1,000, Deduct</i>	-3.42	
32 16 13 13-0008 LF 6" x 18" Cast In Place Concrete Curb.....	14.58	5.65
<i>For Up To 20, Add</i>	8.62	
<i>For >20 To 50, Add</i>	4.88	
<i>For >50 To 100, Add</i>	1.87	
<i>For >500 To 1,000, Deduct</i>	-1.87	
<i>For >1,000, Deduct</i>	-3.17	
32 16 13 13-0009 LF 6" x 18" Cast In Place Concrete Curb - Radius.....	16.47	6.50
<i>For Up To 20, Add</i>	9.79	
<i>For >20 To 50, Add</i>	5.54	
<i>For >50 To 100, Add</i>	2.12	
<i>For >500 To 1,000, Deduct</i>	-2.12	
<i>For >1,000, Deduct</i>	-3.60	
32 16 13 13-0010 LF 6" x 24" Cast In Place Concrete Curb.....	16.82	6.22
<i>For Up To 20, Add</i>	9.64	
<i>For >20 To 50, Add</i>	5.45	
<i>For >50 To 100, Add</i>	2.10	
<i>For >500 To 1,000, Deduct</i>	-2.10	
<i>For >1,000, Deduct</i>	-3.57	
32 16 13 13-0011 LF 6" x 24" Cast In Place Concrete Curb - Radius.....	18.80	7.06
<i>For Up To 20, Add</i>	10.82	
<i>For >20 To 50, Add</i>	6.12	
<i>For >50 To 100, Add</i>	2.35	
<i>For >500 To 1,000, Deduct</i>	-2.35	
<i>For >1,000, Deduct</i>	-4.00	
32 16 13 13-0012 LF 12" x 24" Cast In Place Concrete Curb.....	22.32	7.06
<i>For Up To 20, Add</i>	11.52	
<i>For >20 To 50, Add</i>	6.47	
<i>For >50 To 100, Add</i>	2.53	
<i>For >500 To 1,000, Deduct</i>	-2.53	
<i>For >1,000, Deduct</i>	-4.35	
32 16 13 13-0013 LF 12" x 24" Cast In Place Concrete Curb - Radius.....	24.84	7.91
<i>For Up To 20, Add</i>	12.87	
<i>For >20 To 50, Add</i>	7.23	
<i>For >50 To 100, Add</i>	2.82	
<i>For >500 To 1,000, Deduct</i>	-2.82	
<i>For >1,000, Deduct</i>	-4.86	
32 16 13 13-0014 EA Additional Finish For Handicap Drop Section In Curb.....	42.37	
32 16 13 13-0015 Cast In Place Concrete Curb And Gutter <small>(32 16 13 13)</small>		
<i>Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.</i>		
32 16 13 13-0016 LF 6" x 12" Concrete Gutter With 6" Curb And Face - Straight.....	15.92	7.11
<i>For Up To 20, Add</i>	10.80	
<i>For >20 To 50, Add</i>	6.02	
<i>For >50 To 100, Add</i>	2.39	
<i>For >500 To 1,000, Deduct</i>	-2.04	
<i>For >1,000, Deduct</i>	-3.46	
<i>For Rolled Curb And Gutter</i>	1.06	
32 16 13 13-0017 LF 6" x 12" Concrete Gutter With 6" Curb And Face - Radius.....	17.37	9.48
<i>For Up To 20, Add</i>	11.79	
<i>For >20 To 50, Add</i>	6.58	
<i>For >50 To 100, Add</i>	2.61	
<i>For >500 To 1,000, Deduct</i>	-2.23	
<i>For >1,000, Deduct</i>	-3.78	
<i>For Rolled Curb And Gutter</i>	1.16	
32 16 13 13-0018 LF 6" x 18" Concrete Gutter With 6" Curb And Face - Straight.....	20.25	7.89
<i>For Up To 20, Add</i>	13.72	
<i>For >20 To 50, Add</i>	7.65	
<i>For >50 To 100, Add</i>	3.04	
<i>For >500 To 1,000, Deduct</i>	-2.58	
<i>For >1,000, Deduct</i>	-4.38	
<i>For Rolled Curb And Gutter</i>	1.32	
32 16 13 13-0019 LF 6" x 18" Concrete Gutter With 6" Curb And Face - Radius.....	22.38	8.78
<i>For Up To 20, Add</i>	15.18	
<i>For >20 To 50, Add</i>	8.46	
<i>For >50 To 100, Add</i>	3.36	
<i>For >500 To 1,000, Deduct</i>	-2.87	
<i>For >1,000, Deduct</i>	-4.86	
<i>For Rolled Curb And Gutter</i>	1.48	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 16	Curbs, Gutters, Sidewalks, And Driveways



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0020 LF 6" x 24" Concrete Gutter With 6" Curb And Face - Straight (Type A3-6)	24.60	9.48
For Up To 20, Add	16.66	
For >20 To 50, Add	9.28	
For >50 To 100, Add	3.69	
For >500 To 1,000, Deduct	-3.13	
For >1,000, Deduct	-5.31	
For Rolled Curb And Gutter	1.59	
32 16 13 13-0021 LF 6" x 24" Concrete Gutter With 6" Curb And Face - Radius (Type A3-6).....	27.41	10.67
For Up To 20, Add	18.58	
For >20 To 50, Add	10.36	
For >50 To 100, Add	4.11	
For >500 To 1,000, Deduct	-3.51	
For >1,000, Deduct	-5.94	
For Rolled Curb And Gutter	1.80	
32 16 13 13-0022 LF 6" x 30" Concrete Gutter With 6" Curb And Face - Straight	29.25	11.26
For Up To 20, Add	19.80	
For >20 To 50, Add	11.03	
For >50 To 100, Add	4.39	
For >500 To 1,000, Deduct	-3.72	
For >1,000, Deduct	-6.31	
For Rolled Curb And Gutter	1.88	
32 16 13 13-0023 LF 6" x 30" Concrete Gutter With 6" Curb And Face - Radius	32.14	12.46
For Up To 20, Add	21.78	
For >20 To 50, Add	12.13	
For >50 To 100, Add	4.82	
For >500 To 1,000, Deduct	-4.10	
For >1,000, Deduct	-6.95	
For Rolled Curb And Gutter	2.09	
32 16 13 13-0024 LF 6" x 36" Concrete Gutter With 6" Curb And Face - Straight	33.89	13.05
For Up To 20, Add	22.94	
For >20 To 50, Add	12.78	
For >50 To 100, Add	5.08	
For >500 To 1,000, Deduct	-4.30	
For >1,000, Deduct	-7.30	
For Rolled Curb And Gutter	2.18	
32 16 13 13-0025 LF 6" x 36" Concrete Gutter With 6" Curb And Face - Radius	36.87	14.24
For Up To 20, Add	24.97	
For >20 To 50, Add	13.91	
For >50 To 100, Add	5.53	
For >500 To 1,000, Deduct	-4.69	
For >1,000, Deduct	-7.96	
For Rolled Curb And Gutter	2.38	
32 16 13 13-0026 LF 6" x 42" Concrete Gutter With 6" Curb And Face - Straight	38.53	14.83
For Up To 20, Add	26.08	
For >20 To 50, Add	14.52	
For >50 To 100, Add	5.78	
For >500 To 1,000, Deduct	-4.89	
For >1,000, Deduct	-8.30	
For Rolled Curb And Gutter	2.48	
32 16 13 13-0027 LF 6" x 42" Concrete Gutter With 6" Curb And Face - Radius	42.79	16.61
For Up To 20, Add	29.00	
For >20 To 50, Add	16.16	
For >50 To 100, Add	6.42	
For >500 To 1,000, Deduct	-5.46	
For >1,000, Deduct	-9.26	
For Rolled Curb And Gutter	2.79	

32 16 13 14 Machine Formed, Slip Form Curbs (32 16 13)

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0001	Curbs, Machine Formed, Slip Form <small>(32 16 13 14)</small>		
	Note: Includes delivered concrete, steel, expansion joints and finish.		
32 16 13 14-0002	JOB Machine Formed Concrete Curb Minimum Set-Up Charge	953.39	
	Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.		
32 16 13 14-0003	LF 6" x 12" Straight Concrete Curb, Machine Formed	8.19	
32 16 13 14-0004	LF 6" x 12" Curved Concrete Curb, Machine Formed	11.13	
32 16 13 14-0005	LF 6" x 18" Straight Concrete Curb, Machine Formed	10.82	
32 16 13 14-0006	LF 6" x 18" Curved Concrete Curb, Machine Formed	14.26	

32 16 13 16 Steel Faced Curbs (32 16 13)

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0001	Sidewalk/Curb Facing <small>(32 16 13 16)</small>		
	Note: Fabrication includes handicap and other curb access cuts.		
32 16 13 16-0002	LF 3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	12.63	3.31
	For Curved Section, Add	2.50	
32 16 13 16-0003	LF 4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	13.82	3.76
	For Curved Section, Add	2.79	
32 16 13 16-0004	LF 6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	19.14	4.21
	For Curved Section, Add	3.50	
32 16 13 16-0005	LF 8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	23.78	4.74
	For Curved Section, Add	4.14	
32 16 13 16-0006	LF 10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	29.45	5.19
	For Curved Section, Add	4.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 16-0007 LF 12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	38.63	6.62
<i>For Curved Section, Add</i>	6.34	
32 16 13 16-0008 LF 13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	43.96	8.58
<i>For Curved Section, Add</i>	7.60	
32 16 13 16-0009 EA Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section.....	143.01	

32 16 13 19 Cast-In-Place Concrete Drainage Ditches (32 16 13)

32 16 13 19-0001 Valley Gutter, Cast In Place (32 16 13 19)

Note: Includes concrete, forms, rebar, expansion joints, finish and curing.

32 16 13 19-0002 LF 2' Wide Valley Gutter, 6" Thick	17.37	
<i>For Up To 20, Add</i>	8.72	
<i>For >20 To 50, Add</i>	4.89	
<i>For >50 To 100, Add</i>	1.92	
<i>For >500 To 1,000, Deduct</i>	-1.92	
<i>For >1,000, Deduct</i>	-3.31	
32 16 13 19-0003 LF 2-1/2' Wide Valley Gutter, 6" Thick	21.25	
<i>For Up To 20, Add</i>	10.58	
<i>For >20 To 50, Add</i>	5.92	
<i>For >50 To 100, Add</i>	2.33	
<i>For >500 To 1,000, Deduct</i>	-2.33	
<i>For >1,000, Deduct</i>	-4.02	
32 16 13 19-0004 LF 3' Wide Valley Gutter, 6" Thick	25.05	
<i>For Up To 20, Add</i>	12.39	
<i>For >20 To 50, Add</i>	6.93	
<i>For >50 To 100, Add</i>	2.73	
<i>For >500 To 1,000, Deduct</i>	-2.73	
<i>For >1,000, Deduct</i>	-4.72	
32 16 13 19-0005 LF 3-1/2' Wide Valley Gutter, 6" Thick	28.85	
<i>For Up To 20, Add</i>	14.19	
<i>For >20 To 50, Add</i>	7.93	
<i>For >50 To 100, Add</i>	3.13	
<i>For >500 To 1,000, Deduct</i>	-3.13	
<i>For >1,000, Deduct</i>	-5.41	
32 16 13 19-0006 LF 4' Wide Valley Gutter, 6" Thick	32.66	
<i>For Up To 20, Add</i>	15.99	
<i>For >20 To 50, Add</i>	8.94	
<i>For >50 To 100, Add</i>	3.53	
<i>For >500 To 1,000, Deduct</i>	-3.53	
<i>For >1,000, Deduct</i>	-6.10	
32 16 13 19-0007 LF 5' Wide Valley Gutter, 6" Thick	38.46	
<i>For Up To 20, Add</i>	18.34	
<i>For >20 To 50, Add</i>	10.23	
<i>For >50 To 100, Add</i>	4.05	
<i>For >500 To 1,000, Deduct</i>	-4.05	
<i>For >1,000, Deduct</i>	-7.04	
32 16 13 19-0008 LF 6' Wide Valley Gutter, 6" Thick	43.98	
<i>For Up To 20, Add</i>	20.48	
<i>For >20 To 50, Add</i>	11.41	
<i>For >50 To 100, Add</i>	4.54	
<i>For >500 To 1,000, Deduct</i>	-4.54	
<i>For >1,000, Deduct</i>	-7.90	
32 16 13 19-0009 SF >6' Wide Valley Gutter, 6" Thick	7.32	
<i>For Up To 100, Add</i>	3.41	
<i>For >100 To 250, Add</i>	1.90	
<i>For >250 To 500, Add</i>	0.76	
<i>For >2,500 To 5,000, Deduct</i>	-0.76	
<i>For >5,000, Deduct</i>	-1.32	
32 16 13 19-0010 LF 2' Wide Valley Gutter, 7" Thick	18.98	
<i>For Up To 20, Add</i>	9.34	
<i>For >20 To 50, Add</i>	5.22	
<i>For >50 To 100, Add</i>	2.06	
<i>For >500 To 1,000, Deduct</i>	-2.06	
<i>For >1,000, Deduct</i>	-3.56	
32 16 13 19-0011 LF 2-1/2' Wide Valley Gutter, 7" Thick	23.40	
<i>For Up To 20, Add</i>	11.44	
<i>For >20 To 50, Add</i>	6.40	
<i>For >50 To 100, Add</i>	2.52	
<i>For >500 To 1,000, Deduct</i>	-2.52	
<i>For >1,000, Deduct</i>	-4.37	
32 16 13 19-0012 LF 3' Wide Valley Gutter, 7" Thick	27.42	
<i>For Up To 20, Add</i>	13.26	
<i>For >20 To 50, Add</i>	7.41	
<i>For >50 To 100, Add</i>	2.93	
<i>For >500 To 1,000, Deduct</i>	-2.93	
<i>For >1,000, Deduct</i>	-5.08	
32 16 13 19-0013 LF 3-1/2' Wide Valley Gutter, 7" Thick	31.60	
<i>For Up To 20, Add</i>	15.21	
<i>For >20 To 50, Add</i>	8.49	
<i>For >50 To 100, Add</i>	3.36	
<i>For >500 To 1,000, Deduct</i>	-3.36	
<i>For >1,000, Deduct</i>	-5.83	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 16 Curbs, Gutters, Sidewalks, And Driveways**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0014	LF		4' Wide Valley Gutter, 7" Thick.....	35.78	
			For Up To 20, Add	17.14	
			For >20 To 50, Add	9.57	
			For >50 To 100, Add	3.79	
			For >500 To 1,000, Deduct	-3.79	
			For >1,000, Deduct	-6.57	
32 16 13 19-0015	LF		5' Wide Valley Gutter, 7" Thick.....	42.23	
			For Up To 20, Add	19.68	
			For >20 To 50, Add	10.96	
			For >50 To 100, Add	4.36	
			For >500 To 1,000, Deduct	-4.36	
			For >1,000, Deduct	-7.59	
32 16 13 19-0016	LF		6' Wide Valley Gutter, 7" Thick.....	48.38	
			For Up To 20, Add	22.01	
			For >20 To 50, Add	12.24	
			For >50 To 100, Add	4.89	
			For >500 To 1,000, Deduct	-4.89	
			For >1,000, Deduct	-8.54	
32 16 13 19-0017	SF		>6' Wide Valley Gutter, 7" Thick	8.06	
			For Up To 100, Add	3.67	
			For >100 To 250, Add	2.04	
			For >250 To 500, Add	0.81	
			For >2,500 To 5,000, Deduct	-0.81	
			For >5,000, Deduct	-1.42	
32 16 13 19-0018	LF		2' Wide Valley Gutter, 8" Thick.....	19.25	
			For Up To 20, Add	9.68	
			For >20 To 50, Add	5.42	
			For >50 To 100, Add	2.13	
			For >500 To 1,000, Deduct	-2.13	
			For >1,000, Deduct	-3.67	
32 16 13 19-0019	LF		2-1/2' Wide Valley Gutter, 8" Thick	23.55	
			For Up To 20, Add	11.74	
			For >20 To 50, Add	6.57	
			For >50 To 100, Add	2.58	
			For >500 To 1,000, Deduct	-2.58	
			For >1,000, Deduct	-4.46	
32 16 13 19-0020	LF		3' Wide Valley Gutter, 8" Thick.....	27.77	
			For Up To 20, Add	13.74	
			For >20 To 50, Add	7.69	
			For >50 To 100, Add	3.03	
			For >500 To 1,000, Deduct	-3.03	
			For >1,000, Deduct	-5.23	
32 16 13 19-0021	LF		3-1/2' Wide Valley Gutter, 8" Thick	31.98	
			For Up To 20, Add	15.75	
			For >20 To 50, Add	8.81	
			For >50 To 100, Add	3.47	
			For >500 To 1,000, Deduct	-3.47	
			For >1,000, Deduct	-6.00	
32 16 13 19-0022	LF		4' Wide Valley Gutter, 8" Thick.....	36.20	
			For Up To 20, Add	17.75	
			For >20 To 50, Add	9.93	
			For >50 To 100, Add	3.91	
			For >500 To 1,000, Deduct	-3.91	
			For >1,000, Deduct	-6.77	
32 16 13 19-0023	LF		5' Wide Valley Gutter, 8" Thick.....	42.63	
32 16 13 19-0024	LF		6' Wide Valley Gutter, 8" Thick.....	48.74	
32 16 13 19-0025	SF		>6' Wide Valley Gutter, 8" Thick	8.13	
			For Up To 100, Add	3.79	
			For >100 To 250, Add	2.11	
			For >250 To 500, Add	0.84	
			For >2,500 To 5,000, Deduct	-0.84	
			For >5,000, Deduct	-1.46	

32 16 13 23 Precast Concrete Curbs And Gutters (32 16 13)**32 16 13 23-0001 Precast Concrete Curb (32 16 13 23)**

32 16 13 23-0002	LF		6" X 18" Precast Concrete Curb.....	26.98	6.19
32 16 13 23-0003	LF		6" X 18" Precast Concrete Curb, Radius	32.26	7.11

32 16 13 33 Asphalt Curbs (32 16 13)**32 16 13 33-0001 Asphalt Curbs (32 16 13 33)**

32 16 13 33-0002	LF		6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain	8.88	3.39
32 16 13 33-0003	LF		8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain	10.03	3.76
32 16 13 33-0004	LF		8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain	11.07	4.14

32 16 13 43 Stone Curbs (32 16 13)**32 16 13 43-0001 Remove And Reset Stone And Precast Curbing (32 16 13 43)**

32 16 13 43-0002	LF		Removal And Resetting Of Stone Or Precast Curbing.....	21.09	
			Note: Includes storage and cleaning.		
			Note: Includes storage and cleaning.		



Exterior Improvements		32
Bases, Ballasts, And Paving		32 10
Curbs, Gutters, Sidewalks, And Driveways		32 16

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 16 23 Sidewalks (32 16)**32 16 23 00-0001****Cast In Place Concrete Sidewalk** (32 16 23)

Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 03 31 13 00-0088 for pumping with boom truck, 03 31 13 00-0098 for buggies, 03 31 13 00-0105 for short loads, 32 11 23 16-0001 for base course.

32 16 23 00-0002	SF	4" Cast In Place Concrete Sidewalk	5.60
		<i>For Up To 100, Add</i>	2.38
		<i>For >100 To 500, Add</i>	0.67
		<i>For >1,000 To 5,000, Deduct</i>	-0.39
		<i>For >5,000, Deduct</i>	-0.87
		<i>For Welded Wire Reinforcement, Add</i>	0.45
32 16 23 00-0003	SF	5" Cast In Place Concrete Sidewalk	6.11
		<i>For Up To 100, Add</i>	2.55
		<i>For >100 To 500, Add</i>	0.71
		<i>For >1,000 To 5,000, Deduct</i>	-0.41
		<i>For >5,000, Deduct</i>	-0.92
		<i>For Welded Wire Reinforcement, Add</i>	0.47
32 16 23 00-0004	SF	6" Cast In Place Concrete Sidewalk	6.62
		<i>For Up To 100, Add</i>	2.71
		<i>For >100 To 500, Add</i>	0.75
		<i>For >1,000 To 5,000, Deduct</i>	-0.42
		<i>For >5,000, Deduct</i>	-0.96
		<i>For Welded Wire Reinforcement, Add</i>	0.48
32 16 23 00-0005	SF	7" Cast In Place Concrete Sidewalk	7.73
		<i>For Up To 100, Add</i>	3.13
		<i>For >100 To 500, Add</i>	0.87
		<i>For >1,000 To 5,000, Deduct</i>	-0.48
		<i>For >5,000, Deduct</i>	-1.11
		<i>For Welded Wire Reinforcement, Add</i>	0.52
32 16 23 00-0006	SF	8" Cast In Place Concrete Sidewalk	8.18
		<i>For Up To 100, Add</i>	3.27
		<i>For >100 To 500, Add</i>	0.90
		<i>For >1,000 To 5,000, Deduct</i>	-0.49
		<i>For >5,000, Deduct</i>	-1.14
		<i>For Welded Wire Reinforcement, Add</i>	0.53
32 16 23 00-0007	SF	For Exposed Aggregate Finish In Sidewalk	1.40
32 16 23 00-0008	EA	Finish Concrete Handicap Drop Section In Sidewalk	84.10
		Note: Excludes patterned (tactile) finish.	

32 16 23 00-0009**Bituminous Sidewalk** (32 16 23)

Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 32 11 23 16-0001 for base course.

32 16 23 00-0010	SY	1" Bituminous Sidewalk	7.15
		<i>For Up To 100, Add</i>	2.51
		<i>For >100 To 500, Add</i>	0.65
		<i>For >1,000 To 5,000, Deduct</i>	-0.29
		<i>For >5,000, Deduct</i>	-0.65
32 16 23 00-0011	SY	1-1/2" Bituminous Sidewalk	9.05
		<i>For Up To 100, Add</i>	3.13
		<i>For >100 To 500, Add</i>	0.80
		<i>For >1,000 To 5,000, Deduct</i>	-0.35
		<i>For >5,000, Deduct</i>	-0.80
32 16 23 00-0012	SY	2" Bituminous Sidewalk	12.80
		<i>For Up To 100, Add</i>	4.27
		<i>For >100 To 500, Add</i>	1.07
		<i>For >1,000 To 5,000, Deduct</i>	-0.43
		<i>For >5,000, Deduct</i>	-1.07
32 16 23 00-0013	SY	2-1/2" Bituminous Sidewalk	16.03
		<i>For Up To 100, Add</i>	5.34
		<i>For >100 To 500, Add</i>	1.33
		<i>For >1,000 To 5,000, Deduct</i>	-0.53
		<i>For >5,000, Deduct</i>	-1.33
32 16 23 00-0014	SY	3" Bituminous Sidewalk	18.61
		<i>For Up To 100, Add</i>	6.10
		<i>For >100 To 500, Add</i>	1.51
		<i>For >1,000 To 5,000, Deduct</i>	-0.58
		<i>For >5,000, Deduct</i>	-1.51
32 16 23 00-0015	SY	3-1/2" Bituminous Sidewalk	21.65
		<i>For Up To 100, Add</i>	7.00
		<i>For >100 To 500, Add</i>	1.72
		<i>For >1,000 To 5,000, Deduct</i>	-0.63
		<i>For >5,000, Deduct</i>	-1.72

32 16 43 Asphalt Dike (32 16)**32 16 43 00-0001****Asphalt Dike** (32 16 43)

32 16 43 00-0002	LF	Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height	7.76
32 16 43 00-0003	LF	Type B, Asphalt Dike, 13" Base, 5" Top, 8" Height	10.53
32 16 43 00-0004	LF	Type C-6, Asphalt Dike, 18" Base, 6" Top, 6" Height	10.53

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 16 Curbs, Gutters, Sidewalks, And Driveways**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 43 00-0005 LF Type C-8, Asphalt Dike, 22" Base, 6" Top, 8" Height.....	14.86	
32 16 43 00-0006 LF Type C-9, Asphalt Dike, 24" Base, 6" Top, 9" Height.....	17.56	
32 16 43 00-0007 LF Type D, Asphalt Dike, 8" Base, 4" Top, 2" Height.....	4.38	
32 16 43 00-0008 LF Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back.....	10.85	
32 16 43 00-0009 LF Type F, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back.....	16.77	
32 16 43 00-0010 LF CALTRANS Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height.....	7.76	
32 16 43 00-0011 LF CALTRANS Type C, Asphalt Dike, 8" Base, 4" Top, 2" Height.....	4.38	
32 16 43 00-0012 LF CALTRANS Type D, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back.....	16.77	
32 16 43 00-0013 LF CALTRANS Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back.....	10.85	
32 16 43 00-0014 LF CALTRANS Type F, Asphalt Dike, 8" Base, 4" Top, 4" Height.....	6.34	

32 17 Paving Specialties (32 10)**32 17 13 Parking Bumpers (32 17)**

Note: Includes dowels set.

32 17 13 16 Plastic Parking Bumpers (32 17 13)

32 17 13 16-0001 EA 4" x 6" x 4" Recycled Plastic Wheel Stop.....	54.20	4.36
32 17 13 16-0002 EA 4" x 6" x 6" Recycled Plastic Wheel Stop.....	60.76	4.36

32 17 13 19 Precast Concrete Parking Bumpers (32 17 13)

32 17 13 19-0001 EA 6" x 8" x 4" Precast Concrete Wheel Stop.....	32.20	13.12
32 17 13 19-0002 EA 6" x 6" x 6" Precast Concrete Wheel Stop.....	37.30	13.12
32 17 13 19-0003 EA 6" x 8" x 6" Precast Concrete Wheel Stop.....	38.06	13.12
32 17 13 19-0004 EA 6" x 10" x 6" Precast Concrete Wheel Stop.....	39.63	13.12
32 17 13 19-0005 EA 8" x 4-1/2" x 6" Precast Concrete Wheel Stop.....	37.30	13.12
32 17 13 19-0006 EA 8" x 13" x 6" Precast Concrete Wheel Stop.....	45.96	13.12

32 17 13 23 Rubber Parking Bumpers (32 17 13)

32 17 13 23-0001 EA 3' Recycled Rubber Wheel Stop.....	23.85	4.36
32 17 13 23-0002 EA 4' Recycled Rubber Wheel Stop.....	28.53	4.36
32 17 13 23-0003 EA 5' Recycled Rubber Wheel Stop.....	30.40	4.36
32 17 13 23-0004 EA 6' Recycled Rubber Wheel Stop.....	33.21	4.36

32 17 13 26 Wood Parking Bumpers (32 17 13)

32 17 13 26-0001 LF 4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated.....	6.50	1.05
32 17 13 26-0002 LF 6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated.....	8.75	1.05

32 17 13 33 Remove And Relocate Parking Bumpers (32 17 13)

32 17 13 33-0001 EA Removal And Relocation Of Precast Concrete Wheel Stop.....	20.99	
32 17 13 33-0002 EA Removal And Relocation Of Plastic Or Wood Wheel Stop.....	13.65	

32 17 16 Speed Bumps (32 17)**32 17 16 00-0001 Modular Rubber Speed Tables (32 17 16)**

Note: 3" high flat topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.

32 17 16 00-0002 SF Up To 24' Road Width x 7' Run Modular Rubber Speed Table.....	34.45	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0003 SF Up To 24' Road Width x 14' Run Modular Rubber Speed Table.....	30.11	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0004 SF Up To 24' Road Width x 21' Run Modular Rubber Speed Table.....	28.25	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0005 SF >24' To 30' Road Width x 7' Run Modular Rubber Speed Table.....	32.97	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0006 SF >24' To 30' Road Width x 14' Run Modular Rubber Speed Table.....	28.98	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0007 SF >24' To 30' Road Width x 21' Run Modular Rubber Speed Table.....	27.35	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0008 SF >30' To 40' Road Width x 7' Run Modular Rubber Speed Table.....	31.49	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0009 SF >30' To 40' Road Width x 14' Run Modular Rubber Speed Table.....	28.12	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0010 SF >30' To 40' Road Width x 21' Run Modular Rubber Speed Table.....	26.61	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		



		Exterior Improvements	32
		Bases, Ballasts, And Paving	32 10
		Paving Specialties	32 17

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 16 00-0011 Asphalt Speed Table <small>(32 17 16)</small>		
<i>Note: Excludes pavement markings or reflectors.</i>		
32 17 16 00-0012 LF Up to 36" Wide Asphalt Speed Table With 3" Center Crown	23.38	
<i>Note: Tapered on edges to roadway.</i>		
32 17 16 00-0013 LF >36" To 48" Wide Asphalt Speed Table With 3" Center Crown	27.71	
<i>Note: Tapered on edges to roadway.</i>		
32 17 16 00-0014 LF Up to 36" Wide Asphalt Speed Table With 4" Center Crown	29.44	
<i>Note: Tapered on edges to roadway.</i>		
32 17 16 00-0015 LF >36" To 48" Wide Asphalt Speed Table With 4" Center Crown	34.94	
<i>Note: Tapered on edges to roadway.</i>		
32 17 16 00-0016 LF Up to 36" Wide Asphalt Speed Table With 6" Center Crown	35.49	
<i>Note: Tapered on edges to roadway.</i>		
32 17 16 00-0017 LF >36" To 48" Wide Asphalt Speed Table With 6" Center Crown	39.83	
<i>Note: Tapered on edges to roadway.</i>		
32 17 16 00-0018 Speed Bumps <small>(32 17 16)</small>		
<i>Note: Excludes pavement markings or reflectors.</i>		
32 17 16 00-0019 LF 2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump	29.75	1.14
32 17 16 00-0020 LF 12" x 2-1/4" Recycled Rubber Speed Bump	24.94	0.76
32 17 16 00-0021 LF 12" x 2-5/8" Recycled Plastic Speed Bump	34.77	0.76
32 17 23 Pavement Markings <small>(32 17)</small>		
32 17 23 13 Painted Pavement Markings <small>(32 17 23)</small>		
32 17 23 13-0001 Pavement Striping, Letters, Symbols And Markers For Roads <small>(32 17 23 13)</small>		
<i>Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.</i>		
32 17 23 13-0002 Epoxy Reflective Pavement Marking <small>(32 17 23 13-0001)</small>		
<i>Note: 15 mil thickness.</i>		
32 17 23 13-0003 LF Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.36	
<i>For 20 Mil Thickness, Add</i>		
	0.11	
<i>For Up To 1 Mile, Add</i>		
	0.07	
<i>For >5 Miles, Deduct</i>		
	-0.05	
<i>For Broken Line, Deduct</i>		
	-0.17	
32 17 23 13-0004 LF Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.50	
<i>For 20 Mil Thickness, Add</i>		
	0.15	
<i>For Up To 1 Mile, Add</i>		
	0.10	
<i>For >5 Miles, Deduct</i>		
	-0.08	
<i>For Broken Line, Deduct</i>		
	-0.26	
32 17 23 13-0005 LF Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.62	
<i>For 20 Mil Thickness, Add</i>		
	0.19	
<i>For Up To 1 Mile, Add</i>		
	0.12	
<i>For >5 Miles, Deduct</i>		
	-0.09	
<i>For Broken Line, Deduct</i>		
	-0.31	
32 17 23 13-0006 LF Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.94	
<i>For 20 Mil Thickness, Add</i>		
	0.29	
<i>For Up To 1 Mile, Add</i>		
	0.19	
<i>For >5 Miles, Deduct</i>		
	-0.14	
<i>For Broken Line, Deduct</i>		
	-0.50	
32 17 23 13-0007 LF Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	0.58	
<i>For 20 Mil Thickness, Add</i>		
	0.18	
<i>For Up To 1 Mile, Add</i>		
	0.12	
<i>For >5 Miles, Deduct</i>		
	-0.09	
<i>For Broken Line On One Side, Deduct</i>		
	-0.17	
<i>For Double Broken Line, Deduct</i>		
	-0.34	
32 17 23 13-0008 LF Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	0.84	
<i>For 20 Mil Thickness, Add</i>		
	0.27	
<i>For Up To 1 Mile, Add</i>		
	0.17	
<i>For >5 Miles, Deduct</i>		
	-0.13	
<i>For Broken Line On One Side, Deduct</i>		
	-0.26	
<i>For Double Broken Line, Deduct</i>		
	-0.51	
32 17 23 13-0009 EA 6" High, Letter/Number, Epoxy Reflective Pavement Marking.....	2.38	
<i>For 20 Mil Thickness, Add</i>		
	0.27	
<i>For <10, Add</i>		
	0.29	
<i>For >50 To 100, Deduct</i>		
	-0.14	
<i>For >100 To 200, Deduct</i>		
	-0.19	
<i>For >200, Deduct</i>		
	-0.38	
32 17 23 13-0010 EA 12" High, Letter/Number, Epoxy Reflective Pavement Marking.....	4.61	
<i>For 20 Mil Thickness, Add</i>		
	0.75	
<i>For <10, Add</i>		
	0.43	
<i>For >50 To 100, Deduct</i>		
	-0.21	
<i>For >100 To 200, Deduct</i>		
	-0.29	
<i>For >200, Deduct</i>		
	-0.57	
32 17 23 13-0011 EA 24" High, Letter/Number, Epoxy Reflective Pavement Marking.....	7.82	
<i>For 20 Mil Thickness, Add</i>		
	1.30	
<i>For <10, Add</i>		
	0.71	
<i>For >50 To 100, Deduct</i>		
	-0.36	
<i>For >100 To 200, Deduct</i>		
	-0.48	
<i>For >200, Deduct</i>		
	-0.95	

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 17 Paving Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0012	EA		36" High, Letter/Number, Epoxy Reflective Pavement Marking.....	14.91	
			<i>For 20 Mil Thickness, Add</i>	2.35	
			<i>For <10, Add</i>	1.43	
			<i>For >50 To 100, Deduct</i>	-0.71	
			<i>For >100 To 200, Deduct</i>	-0.95	
			<i>For >200, Deduct</i>	-1.91	
32 17 23 13-0013	EA		48" High, Letter/Number, Epoxy Reflective Pavement Marking.....	17.68	
			<i>For 20 Mil Thickness, Add</i>	2.96	
			<i>For <10, Add</i>	1.60	
			<i>For >50 To 100, Deduct</i>	-0.80	
			<i>For >100 To 200, Deduct</i>	-1.07	
			<i>For >200, Deduct</i>	-2.14	
32 17 23 13-0014	EA		72" High, Letter/Number, Epoxy Reflective Pavement Marking.....	31.78	
			<i>For 20 Mil Thickness, Add</i>	5.37	
			<i>For <10, Add</i>	2.85	
			<i>For >50 To 100, Deduct</i>	-1.43	
			<i>For >100 To 200, Deduct</i>	-1.90	
			<i>For >200, Deduct</i>	-3.80	
32 17 23 13-0015	EA		96" High, Letter/Number, Epoxy Reflective Pavement Marking.....	42.33	
			<i>For 20 Mil Thickness, Add</i>	7.09	
			<i>For <10, Add</i>	3.83	
			<i>For >50 To 100, Deduct</i>	-1.91	
			<i>For >100 To 200, Deduct</i>	-2.55	
			<i>For >200, Deduct</i>	-5.10	
32 17 23 13-0016	EA		120" High, Letter/Number, Epoxy Reflective Pavement Marking.....	69.15	
			<i>For 20 Mil Thickness, Add</i>	14.35	
			<i>For <10, Add</i>	4.74	
			<i>For >50 To 100, Deduct</i>	-2.37	
			<i>For >100 To 200, Deduct</i>	-3.16	
			<i>For >200, Deduct</i>	-6.32	
32 17 23 13-0017	SF		Letter/Number, Epoxy Reflective Pavement Marking.....	4.07	
			<i>For 20 Mil Thickness, Add</i>	0.57	
32 17 23 13-0018	SF		Symbols, Epoxy Reflective Pavement Marking.....	5.05	
			Note: Handicap, railroad, diamond, arrows, etc.		
			<i>For 20 Mil Thickness, Add</i>	0.63	
32 17 23 13-0019			Painted Reflective Pavement Marking <small>(32 17 23 13-0001)</small>		
			Note: 15 mil thickness.		
32 17 23 13-0020	LF		Single 4" Wide Solid Line, Painted Reflective Pavement Striping.....	0.18	
			<i>For Up To 1 Mile, Add</i>	0.04	
			<i>For >5 Miles, Deduct</i>	-0.03	
			<i>For Broken Line, Deduct</i>	-0.04	
32 17 23 13-0021	LF		Single 6" Wide Solid Line, Painted Reflective Pavement Striping.....	0.23	
			<i>For Up To 1 Mile, Add</i>	0.05	
			<i>For >5 Miles, Deduct</i>	-0.03	
			<i>For Broken Line, Deduct</i>	-0.05	
32 17 23 13-0022	LF		Single 8" Wide Solid Line, Painted Reflective Pavement Striping.....	0.30	
			<i>For Up To 1 Mile, Add</i>	0.06	
			<i>For >5 Miles, Deduct</i>	-0.05	
			<i>For Broken Line, Deduct</i>	-0.07	
32 17 23 13-0023	LF		Single 12" Wide Solid Line, Painted Reflective Pavement Striping.....	0.41	
			<i>For Up To 1 Mile, Add</i>	0.08	
			<i>For >5 Miles, Deduct</i>	-0.06	
			<i>For Broken Line, Deduct</i>	-0.11	
32 17 23 13-0024	LF		Double 4" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.27	
			<i>For Up To 1 Mile, Add</i>	0.05	
			<i>For >5 Miles, Deduct</i>	-0.04	
			<i>For Broken Line On One Side, Deduct</i>	-0.03	
			<i>For Double Broken Line, Deduct</i>	-0.07	
32 17 23 13-0025	LF		Double 6" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.41	
			<i>For Up To 1 Mile, Add</i>	0.08	
			<i>For >5 Miles, Deduct</i>	-0.06	
			<i>For Broken Line On One Side, Deduct</i>	-0.05	
			<i>For Double Broken Line, Deduct</i>	-0.11	
32 17 23 13-0026	SF		Solid Area, Painted Reflective Pavement Striping.....	2.91	
			Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0027	EA		6" High, Letter/Number, Painted Reflective Pavement Marking.....	2.17	
			<i>For <10, Add</i>	0.29	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 200, Deduct</i>	-0.19	
			<i>For >200, Deduct</i>	-0.38	
32 17 23 13-0028	EA		12" High, Letter/Number, Painted Reflective Pavement Marking.....	3.83	
			<i>For <10, Add</i>	0.43	
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 200, Deduct</i>	-0.29	
			<i>For >200, Deduct</i>	-0.57	
32 17 23 13-0029	EA		24" High, Letter/Number, Painted Reflective Pavement Marking.....	6.47	
			<i>For <10, Add</i>	0.71	
			<i>For >50 To 100, Deduct</i>	-0.36	
			<i>For >100 To 200, Deduct</i>	-0.48	
			<i>For >200, Deduct</i>	-0.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0030 EA 36" High, Letter/Number, Painted Reflective Pavement Marking.....	12.53	
<i>For <10, Add</i>	1.43	
<i>For >50 To 100, Deduct</i>	-0.71	
<i>For >100 To 200, Deduct</i>	-0.95	
<i>For >200, Deduct</i>	-1.91	
32 17 23 13-0031 EA 48" High, Letter/Number, Painted Reflective Pavement Marking.....	14.58	
<i>For <10, Add</i>	1.60	
<i>For >50 To 100, Deduct</i>	-0.80	
<i>For >100 To 200, Deduct</i>	-1.07	
<i>For >200, Deduct</i>	-2.14	
32 17 23 13-0032 EA 72" High, Letter/Number, Painted Reflective Pavement Marking.....	26.12	
<i>For <10, Add</i>	2.85	
<i>For >50 To 100, Deduct</i>	-1.43	
<i>For >100 To 200, Deduct</i>	-1.90	
<i>For >200, Deduct</i>	-3.80	
32 17 23 13-0033 EA 96" High, Letter/Number, Painted Reflective Pavement Marking.....	34.88	
<i>For <10, Add</i>	3.83	
<i>For >50 To 100, Deduct</i>	-1.91	
<i>For >100 To 200, Deduct</i>	-2.55	
<i>For >200, Deduct</i>	-5.10	
32 17 23 13-0034 EA 120" High, Letter/Number, Painted Reflective Pavement Marking.....	52.53	
<i>For <10, Add</i>	4.74	
<i>For >50 To 100, Deduct</i>	-2.37	
<i>For >100 To 200, Deduct</i>	-3.16	
<i>For >200, Deduct</i>	-6.32	
32 17 23 13-0035 SF Letter/Number, Painted Reflective Pavement Marking	3.54	
Note: Includes solvent based and latex paints.		
32 17 23 13-0036 SF Symbols, Painted Reflective Pavement Marking	4.19	
Note: Handicap, railroad, diamond, arrows, etc. Includes solvent based and latex paints.		
32 17 23 13-0037 Pavement Marking (CALTRANS) (32 17 23 13)		
Note: Per LF of detail.		
32 17 23 13-0038 LF CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping	0.15	
<i>For Up To 1 Mile, Add</i>	0.03	
<i>For >5 Miles, Deduct</i>	-0.02	
32 17 23 13-0039 LF CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping	0.22	
<i>For Up To 1 Mile, Add</i>	0.04	
<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0040 LF CALTRANS Detail 4 Centerline	0.43	
<i>For Up To 1 Mile, Add</i>	0.09	
<i>For >5 Miles, Deduct</i>	-0.06	
32 17 23 13-0041 LF CALTRANS Detail 5 Centerline, Painted Reflective Pavement Striping	0.14	
<i>For Up To 1 Mile, Add</i>	0.03	
<i>For >5 Miles, Deduct</i>	-0.02	
32 17 23 13-0042 LF CALTRANS Detail 6 Centerline, Painted Reflective Pavement Striping	0.23	
<i>For Up To 1 Mile, Add</i>	0.05	
<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0043 LF CALTRANS Detail 7 Centerline	0.30	
<i>For Up To 1 Mile, Add</i>	0.06	
<i>For >5 Miles, Deduct</i>	-0.05	
32 17 23 13-0044 LF CALTRANS Detail 8 Lanelines, Painted Reflective Pavement Striping	0.15	
<i>For Up To 1 Mile, Add</i>	0.03	
<i>For >5 Miles, Deduct</i>	-0.02	
32 17 23 13-0045 LF CALTRANS Detail 9 Lanelines, Painted Reflective Pavement Striping	0.22	
<i>For Up To 1 Mile, Add</i>	0.04	
<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0046 LF CALTRANS Detail 10 Lanelines	0.43	
<i>For Up To 1 Mile, Add</i>	0.09	
<i>For >5 Miles, Deduct</i>	-0.06	
32 17 23 13-0047 LF CALTRANS Detail 11 Lanelines, Painted Reflective Pavement Striping	0.14	
<i>For Up To 1 Mile, Add</i>	0.03	
<i>For >5 Miles, Deduct</i>	-0.02	
32 17 23 13-0048 LF CALTRANS Detail 12 Lanelines, Painted Reflective Pavement Striping	0.22	
<i>For Up To 1 Mile, Add</i>	0.04	
<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0049 LF CALTRANS Detail 13 Lanelines	0.30	
<i>For Up To 1 Mile, Add</i>	0.06	
<i>For >5 Miles, Deduct</i>	-0.05	
32 17 23 13-0050 LF CALTRANS Detail 14 Lanelines	0.30	
<i>For Up To 1 Mile, Add</i>	0.06	
<i>For >5 Miles, Deduct</i>	-0.05	
32 17 23 13-0051 LF CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping.....	0.22	
<i>For Up To 1 Mile, Add</i>	0.04	
<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0052 LF CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.20	
<i>For Up To 1 Mile, Add</i>	0.04	
<i>For >5 Miles, Deduct</i>	-0.03	
<i>For Broken Line On One Side, Deduct</i>	-0.03	
<i>For Double Broken Line, Deduct</i>	-0.05	
32 17 23 13-0053 LF CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.49	
<i>For Up To 1 Mile, Add</i>	0.10	
<i>For >5 Miles, Deduct</i>	-0.07	
32 17 23 13-0054 LF CALTRANS Detail 17 No Passing Zones-One Direction Lanelines.....	1.24	
<i>For Up To 1 Mile, Add</i>	0.25	
<i>For >5 Miles, Deduct</i>	-0.19	

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 17 Paving Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0055	LF		CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.20	
			<i>For Up To 1 Mile, Add</i>	0.04	
			<i>For >5 Miles, Deduct</i>	-0.03	
			<i>For Broken Line On One Side, Deduct</i>	-0.03	
			<i>For Double Broken Line, Deduct</i>	-0.05	
32 17 23 13-0056	LF		CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.41	
			<i>For Up To 1 Mile, Add</i>	0.08	
			<i>For >5 Miles, Deduct</i>	-0.06	
32 17 23 13-0057	LF		CALTRANS Detail 20 No Passing Zones-One Direction Lanelines.....	1.05	
			<i>For Up To 1 Mile, Add</i>	0.21	
			<i>For >5 Miles, Deduct</i>	-0.16	
32 17 23 13-0058	LF		CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping.....	0.24	
			<i>For Up To 1 Mile, Add</i>	0.05	
			<i>For >5 Miles, Deduct</i>	-0.04	
			<i>For Broken Line On One Side, Deduct</i>	-0.04	
			<i>For Double Broken Line, Deduct</i>	-0.08	
32 17 23 13-0059	LF		CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping.....	0.53	
			<i>For Up To 1 Mile, Add</i>	0.11	
			<i>For >5 Miles, Deduct</i>	-0.08	
32 17 23 13-0060	LF		CALTRANS Detail 23 No Passing Zones-Two Direction Lanelines.....	1.48	
			<i>For Up To 1 Mile, Add</i>	0.30	
			<i>For >5 Miles, Deduct</i>	-0.22	
32 17 23 13-0061	LF		CALTRANS Detail 24 Left Edgelines, Painted Reflective Pavement Striping.....	0.18	
			<i>For Up To 1 Mile, Add</i>	0.04	
			<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0062	LF		CALTRANS Detail 25 Left Edgelines, Painted Reflective Pavement Striping.....	0.26	
			<i>For Up To 1 Mile, Add</i>	0.05	
			<i>For >5 Miles, Deduct</i>	-0.04	
32 17 23 13-0063	LF		CALTRANS Detail 25A Left Edgelines, Painted Reflective Pavement Striping.....	0.33	
			<i>For Up To 1 Mile, Add</i>	0.07	
			<i>For >5 Miles, Deduct</i>	-0.05	
32 17 23 13-0064	LF		CALTRANS Detail 26 Left Edgelines.....	0.07	
			<i>For Up To 1 Mile, Add</i>	0.01	
			<i>For >5 Miles, Deduct</i>	-0.01	
32 17 23 13-0065	LF		CALTRANS Detail 27 Left Edgelines, Painted Reflective Pavement Striping.....	0.32	
			<i>For Up To 1 Mile, Add</i>	0.06	
			<i>For >5 Miles, Deduct</i>	-0.05	
32 17 23 13-0066	LF		CALTRANS Detail 27B Right Edgelines, Painted Reflective Pavement Striping.....	0.18	
			<i>For Up To 1 Mile, Add</i>	0.04	
			<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0067	LF		CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping.....	0.14	
			<i>For Up To 1 Mile, Add</i>	0.03	
			<i>For >5 Miles, Deduct</i>	-0.02	
32 17 23 13-0068	LF		CALTRANS Detail 28 Median Islands, Painted Reflective Pavement Striping.....	0.49	
			<i>For Up To 1 Mile, Add</i>	0.10	
			<i>For >5 Miles, Deduct</i>	-0.07	
			<i>For Broken Line On One Side, Deduct</i>	-0.08	
			<i>For Double Broken Line, Deduct</i>	-0.17	
32 17 23 13-0069	LF		CALTRANS Detail 29 Median Islands, Painted Reflective Pavement Striping.....	0.77	
			<i>For Up To 1 Mile, Add</i>	0.15	
			<i>For >5 Miles, Deduct</i>	-0.12	
32 17 23 13-0070	LF		CALTRANS Detail 30 Median Islands.....	2.96	
			<i>For Up To 1 Mile, Add</i>	0.59	
			<i>For >5 Miles, Deduct</i>	-0.44	
32 17 23 13-0071	LF		CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping.....	0.41	
			<i>For Up To 1 Mile, Add</i>	0.08	
			<i>For >5 Miles, Deduct</i>	-0.06	
			<i>For Broken Line On One Side, Deduct</i>	-0.05	
			<i>For Double Broken Line, Deduct</i>	-0.11	
32 17 23 13-0072	LF		CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping.....	0.75	
			<i>For Up To 1 Mile, Add</i>	0.15	
			<i>For >5 Miles, Deduct</i>	-0.11	
32 17 23 13-0073	LF		CALTRANS Detail 33 Two-Way Left Turn Lanes.....	2.02	
			<i>For Up To 1 Mile, Add</i>	0.40	
			<i>For >5 Miles, Deduct</i>	-0.30	
32 17 23 13-0074	LF		CALTRANS Detail 34 Intersection Treatments, Painted Reflective Pavement Striping.....	0.41	
			<i>For Up To 1 Mile, Add</i>	0.08	
			<i>For >5 Miles, Deduct</i>	-0.06	
32 17 23 13-0075	LF		CALTRANS Detail 34A Intersection Treatments, Painted Reflective Pavement Striping.....	0.20	
			<i>For Up To 1 Mile, Add</i>	0.04	
			<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0076	LF		CALTRANS Detail 35 Intersection Treatments, Painted Reflective Pavement Striping.....	0.49	
			<i>For Up To 1 Mile, Add</i>	0.10	
			<i>For >5 Miles, Deduct</i>	-0.07	
32 17 23 13-0077	LF		CALTRANS Detail 35A Intersection Treatments, Painted Reflective Pavement Striping.....	0.20	
			<i>For Up To 1 Mile, Add</i>	0.04	
			<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0078	LF		CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping.....	0.87	
			<i>For Up To 1 Mile, Add</i>	0.17	
			<i>For >5 Miles, Deduct</i>	-0.13	
32 17 23 13-0079	LF		CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping.....	0.58	
			<i>For Up To 1 Mile, Add</i>	0.12	
			<i>For >5 Miles, Deduct</i>	-0.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0080 LF CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping	0.62	
<i>For Up To 1 Mile, Add</i>	0.12	
<i>For >5 Miles, Deduct</i>	-0.09	
32 17 23 13-0081 LF CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping	0.53	
<i>For Up To 1 Mile, Add</i>	0.11	
<i>For >5 Miles, Deduct</i>	-0.08	
32 17 23 13-0082 LF CALTRANS Detail 37A Lane Drop At Exit Ramps	1.00	
<i>For Up To 1 Mile, Add</i>	0.20	
<i>For >5 Miles, Deduct</i>	-0.15	
32 17 23 13-0083 LF CALTRANS Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping	0.53	
<i>For Up To 1 Mile, Add</i>	0.11	
<i>For >5 Miles, Deduct</i>	-0.08	
32 17 23 13-0084 LF CALTRANS Detail 37C Lane Drop At Intersections	1.00	
<i>For Up To 1 Mile, Add</i>	0.20	
<i>For >5 Miles, Deduct</i>	-0.15	
32 17 23 13-0085 LF CALTRANS Detail 38 Channelizing Line, Painted Reflective Pavement Striping	0.53	
<i>For Up To 1 Mile, Add</i>	0.11	
<i>For >5 Miles, Deduct</i>	-0.08	
32 17 23 13-0086 LF CALTRANS Detail 38A Channelizing Line, Painted Reflective Pavement Striping	0.38	
<i>For Up To 1 Mile, Add</i>	0.08	
<i>For >5 Miles, Deduct</i>	-0.06	
32 17 23 13-0087 LF CALTRANS Detail 38B Channelizing Line, Painted Reflective Pavement Striping	0.66	
<i>For Up To 1 Mile, Add</i>	0.13	
<i>For >5 Miles, Deduct</i>	-0.10	
32 17 23 13-0088 LF CALTRANS Detail 38C Channelizing Line	1.48	
<i>For Up To 1 Mile, Add</i>	0.30	
<i>For >5 Miles, Deduct</i>	-0.22	
32 17 23 13-0089 LF CALTRANS Detail 39 Bike Lane Line, Painted Reflective Pavement Striping	0.23	
<i>For Up To 1 Mile, Add</i>	0.05	
<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0090 LF CALTRANS Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping	0.18	
<i>For Up To 1 Mile, Add</i>	0.04	
<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0091 LF CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.14	
<i>For Up To 1 Mile, Add</i>	0.03	
<i>For >5 Miles, Deduct</i>	-0.02	
32 17 23 13-0092 LF CALTRANS Detail 40A Lane Line Extensions Through Intersections	0.71	
<i>For Up To 1 Mile, Add</i>	0.14	
<i>For >5 Miles, Deduct</i>	-0.11	
32 17 23 13-0093 LF CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.14	
<i>For Up To 1 Mile, Add</i>	0.03	
<i>For >5 Miles, Deduct</i>	-0.02	
32 17 23 13-0094 LF CALTRANS Detail 41A Center Line Extensions Through Intersections	0.71	
<i>For Up To 1 Mile, Add</i>	0.14	
<i>For >5 Miles, Deduct</i>	-0.11	
32 17 23 13-0095 EA CALTRANS 10' Arrow, Type I, Painted Reflective Pavement Marking	56.02	
<i>For <10, Add</i>	6.93	
<i>For >50 To 100, Deduct</i>	-3.47	
<i>For >100 To 200, Deduct</i>	-4.62	
<i>For >200, Deduct</i>	-9.24	
32 17 23 13-0096 EA CALTRANS 18' Arrow, Type I, Painted Reflective Pavement Marking	98.39	
<i>For <10, Add</i>	12.14	
<i>For >50 To 100, Deduct</i>	-6.07	
<i>For >100 To 200, Deduct</i>	-8.09	
<i>For >200, Deduct</i>	-16.18	
32 17 23 13-0097 EA CALTRANS 24' Arrow, Type I, Painted Reflective Pavement Marking	123.38	
<i>For <10, Add</i>	15.25	
<i>For >50 To 100, Deduct</i>	-7.63	
<i>For >100 To 200, Deduct</i>	-10.17	
<i>For >200, Deduct</i>	-20.34	
32 17 23 13-0098 EA CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking	179.40	
<i>For <10, Add</i>	22.19	
<i>For >50 To 100, Deduct</i>	-11.09	
<i>For >100 To 200, Deduct</i>	-14.79	
<i>For >200, Deduct</i>	-29.58	
32 17 23 13-0099 EA CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking	235.42	
<i>For <10, Add</i>	29.12	
<i>For >50 To 100, Deduct</i>	-14.56	
<i>For >100 To 200, Deduct</i>	-19.41	
<i>For >200, Deduct</i>	-38.83	
32 17 23 13-0100 EA CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking	165.74	
<i>For <10, Add</i>	20.45	
<i>For >50 To 100, Deduct</i>	-10.23	
<i>For >100 To 200, Deduct</i>	-13.64	
<i>For >200, Deduct</i>	-27.27	
32 17 23 13-0101 EA CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking	289.13	
<i>For <10, Add</i>	35.71	
<i>For >50 To 100, Deduct</i>	-17.85	
<i>For >100 To 200, Deduct</i>	-23.81	
<i>For >200, Deduct</i>	-47.61	
32 17 23 13-0102 EA CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking	59.03	
<i>For <10, Add</i>	7.28	
<i>For >50 To 100, Deduct</i>	-3.64	
<i>For >100 To 200, Deduct</i>	-4.85	
<i>For >200, Deduct</i>	-9.71	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 17	Paving Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0103 EA CALTRANS 24' Arrow, Type V, Painted Reflective Pavement Marking.....	129.41	
For <10, Add	15.95	
For >50 To 100, Deduct	-7.97	
For >100 To 200, Deduct	-10.63	
For >200, Deduct	-21.26	
32 17 23 13-0104 EA CALTRANS 18' Arrow, Type VI, Painted Reflective Pavement Marking.....	165.74	
For <10, Add	20.45	
For >50 To 100, Deduct	-10.23	
For >100 To 200, Deduct	-13.64	
For >200, Deduct	-27.27	
32 17 23 13-0105 EA CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking.....	106.83	
For <10, Add	13.17	
For >50 To 100, Deduct	-6.59	
For >100 To 200, Deduct	-8.78	
For >200, Deduct	-17.56	
32 17 23 13-0106 EA CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking.....	140.75	
For <10, Add	17.33	
For >50 To 100, Deduct	-8.67	
For >100 To 200, Deduct	-11.56	
For >200, Deduct	-23.11	
32 17 23 13-0107 EA CALTRANS 5' Arrow, Bike Lane, Painted Reflective Pavement Marking.....	28.01	
For <10, Add	3.47	
For >50 To 100, Deduct	-1.73	
For >100 To 200, Deduct	-2.31	
For >200, Deduct	-4.62	
32 17 23 13-0108 EA CALTRANS Railroad Crossing Symbol, Painted Reflective Pavement Marking.....	268.54	
Note: Excludes variable width transverse lines.		
For <10, Add	32.94	
For >50 To 100, Deduct	-16.47	
For >100 To 200, Deduct	-21.96	
For >200, Deduct	-43.91	
32 17 23 13-0109 SF CALTRANS Solid Area, Painted Reflective Pavement Marking.....	3.52	
32 17 23 13-0110 EA CALTRANS Bike Lane Symbol Without Person, Painted Reflective Pavement Marking.....	28.50	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	2.50	
For >50 To 100, Deduct	-1.25	
For >100 To 200, Deduct	-1.66	
For >200, Deduct	-3.33	
32 17 23 13-0111 EA CALTRANS Bike Lane Symbol With Person, Painted Reflective Pavement Marking.....	30.23	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	2.63	
For >50 To 100, Deduct	-1.32	
For >100 To 200, Deduct	-1.76	
For >200, Deduct	-3.51	
32 17 23 13-0112 EA CALTRANS Diamond Symbol, Painted Reflective Pavement Marking.....	44.68	
For <10, Add	5.55	
For >50 To 100, Deduct	-2.77	
For >100 To 200, Deduct	-3.70	
For >200, Deduct	-7.40	
32 17 23 13-0113 EA CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking.....	90.97	
For <10, Add	11.23	
For >50 To 100, Deduct	-5.62	
For >100 To 200, Deduct	-7.49	
For >200, Deduct	-14.98	
32 17 23 13-0114 EA CALTRANS Bike Loop Detector Symbol, Painted Reflective Pavement Marking.....	18.91	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	2.63	
For >50 To 100, Deduct	-1.32	
For >100 To 200, Deduct	-1.76	
For >200, Deduct	-3.51	
32 17 23 13-0115 SF CALTRANS Letter/Number, Painted Reflective Pavement Marking.....	3.56	
32 17 23 13-0116 SF CALTRANS Symbols, Painted Reflective Pavement Marking.....	3.94	
Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0117 Pavement Striping, Letters And Symbols For Parking Areas (32 17 23 13)		
32 17 23 13-0118 Painted Pavement Marking For Parking Areas (32 17 23 13-0117)		
32 17 23 13-0119 LF Single 4" Wide Solid Line, Painted Pavement Striping for Parking Areas.....	0.68	
32 17 23 13-0120 LF Single 6" Wide Solid Line, Painted Pavement Striping for Parking Areas.....	0.74	
32 17 23 13-0121 LF Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	0.79	
32 17 23 13-0122 LF Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	0.89	
32 17 23 13-0123 EA 6" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	2.10	
For Up To 10, Add	0.28	
For >50 To 100, Deduct	-0.14	
For >100 To 200, Deduct	-0.18	
For >200, Deduct	-0.37	
32 17 23 13-0124 EA 12" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	3.71	
For Up To 10, Add	0.42	
For >50 To 100, Deduct	-0.21	
For >100 To 200, Deduct	-0.28	
For >200, Deduct	-0.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0125 EA 24" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	6.28	
For Up To 10, Add	0.69	
For >50 To 100, Deduct	-0.35	
For >100 To 200, Deduct	-0.46	
For >200, Deduct	-0.93	
32 17 23 13-0126 EA 36" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	11.68	
For Up To 10, Add	1.32	
For >50 To 100, Deduct	-0.66	
For >100 To 200, Deduct	-0.88	
For >200, Deduct	-1.76	
32 17 23 13-0127 EA 42" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	15.36	
For Up To 10, Add	1.80	
For >50 To 100, Deduct	-0.90	
For >100 To 200, Deduct	-1.20	
For >200, Deduct	-2.40	
32 17 23 13-0128 EA 48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	18.56	
For Up To 10, Add	2.22	
For >50 To 100, Deduct	-1.11	
For >100 To 200, Deduct	-1.48	
For >200, Deduct	-2.96	
32 17 23 13-0129 EA 72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	25.38	
For Up To 10, Add	2.77	
For >50 To 100, Deduct	-1.39	
For >100 To 200, Deduct	-1.85	
For >200, Deduct	-3.70	
32 17 23 13-0130 EA Through Lane Arrow, Painted Pavement Marking For Parking Areas	48.36	
Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0131 EA Turn Lane Arrow, Painted Pavement Marking For Parking Areas	56.85	
Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0132 EA Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas	84.72	
Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0133 EA Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	86.68	
Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0134 EA Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas	116.34	
Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0135 EA Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas	18.54	
Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.		
For Blue Background With White Symbol, Add	15.67	
For Blue Background With White Symbol And Border, Add	19.59	
32 17 23 13-0136 EA Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas	29.07	
Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.		
For Blue Background With White Symbol, Add	34.14	
For Blue Background With White Symbol And Border, Add	42.68	
32 17 23 13-0137 Painted Curbs (32 17 23 13)		
Note: All colors.		
32 17 23 13-0138 LF Reflective Painted Curb	1.29	
32 17 23 13-0139 LF Reflective Painted Curb And Gutter	2.36	
32 17 23 13-0140 LF Painted Curb.....	1.05	
32 17 23 13-0141 LF Painted Curb And Gutter	2.07	
32 17 23 13-0142 Markings For Outdoor Play Areas, Courts (32 17 23 13)		
32 17 23 13-0143 LF 2" Wide Marking For Outdoor Play Areas	0.56	
32 17 23 13-0144 LF 3" Wide Marking For Outdoor Play Areas	0.63	
32 17 23 13-0145 LF 4" Wide Marking For Outdoor Play Areas	0.72	
32 17 23 13-0146 LF 6" Wide Marking For Outdoor Play Areas	0.85	
32 17 23 13-0147 EA Paint Playground Game Lines On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera)	159.76	
32 17 23 23 Raised Pavement Markings (32 17 23)		
32 17 23 23-0001 Raised Pavement Markers (RPMs) (32 17 23 23)		
32 17 23 23-0002 EA One-Way Reflective, Raised Pavement Marker (RPM)	3.19	1.59
Note: Type G, H or R		
For >100, Deduct	-0.32	
32 17 23 23-0003 EA Two-Way Reflective, Raised Pavement Marker (RPM)	3.36	1.59
Note: Type B, C, D, AC, RA or RR		
For >100, Deduct	-0.34	
32 17 23 23-0004 EA 4" Diameter, Round Reflective, Raised Pavement Marker (RPM)	4.07	1.59
For >100, Deduct	-0.41	
32 17 23 23-0005 EA 4" Diameter, Non-Reflective, Raised Pavement Marker (RPM)	2.97	1.59
Note: Type A or AY		
For >100, Deduct	-0.30	
32 17 23 26 Recessed Pavement Markings (32 17 23)		
32 17 23 26-0001 Recessed (Plowable) Pavement Markers (32 17 23 26)		
32 17 23 26-0002 EA One-Way Reflective, Recessed (Plowable) Pavement Marker With Center Rail	34.55	
Note: Type G, H or R		
32 17 23 26-0003 EA Two-Way Reflective, Recessed (Plowable) Pavement Marker With Center Rail	34.69	
Note: Type B, C, D, AC, RA or RR		

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 17	Paving Specialties



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 17 23 26-0004	EA	Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker	11.97
32 17 23 26-0005	EA	Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker	15.37
32 17 23 26-0006	EA	Remove Recessed (Plowable) Pavement Marker.....	1.77

32 17 23 33 Plastic Pavement Markings (32 17 23)

32 17 23 33-0001 Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads (32 17 23 33)

Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.

32 17 23 33-0002 Thermoplastic Reflective Pavement Marking (32 17 23 33-0001)

Note: 90 mil thickness.

32 17 23 33-0003	LF	Single 4" Wide Solid Line, Thermoplastic Reflective Pavement Striping.....	0.84
		<i>For Up To 1 Mile, Add</i>	0.17
		<i>For >5 Miles, Deduct</i>	-0.13
		<i>For 60 mils Thick, Deduct</i>	-0.12
		<i>For 125 mils Thick, Add</i>	0.15
		<i>For Broken Line, Deduct</i>	-0.50
32 17 23 33-0004	LF	Single 6" Wide Solid Line, Thermoplastic Reflective Pavement Striping.....	1.20
		<i>For Up To 1 Mile, Add</i>	0.24
		<i>For >5 Miles, Deduct</i>	-0.18
		<i>For 60 mils Thick, Deduct</i>	-0.17
		<i>For 125 mils Thick, Add</i>	0.22
		<i>For Broken Line, Deduct</i>	-0.74
32 17 23 33-0005	LF	Single 8" Wide Solid Line, Thermoplastic Reflective Pavement Striping.....	1.59
		<i>For Up To 1 Mile, Add</i>	0.32
		<i>For >5 Miles, Deduct</i>	-0.24
		<i>For 60 mils Thick, Deduct</i>	-0.23
		<i>For 125 mils Thick, Add</i>	0.30
		<i>For Broken Line, Deduct</i>	-0.99
32 17 23 33-0006	LF	Single 12" Wide Solid Line, Thermoplastic Reflective Pavement Striping.....	2.34
		<i>For Up To 1 Mile, Add</i>	0.47
		<i>For >5 Miles, Deduct</i>	-0.35
		<i>For 60 mils Thick, Deduct</i>	-0.35
		<i>For 125 mils Thick, Add</i>	0.45
		<i>For Broken Line, Deduct</i>	-1.49
32 17 23 33-0007	LF	Double 4" Wide Solid Lines, Thermoplastic Reflective Pavement Striping	1.59
		<i>For Up To 1 Mile, Add</i>	0.32
		<i>For >5 Miles, Deduct</i>	-0.24
		<i>For 60 mils Thick, Deduct</i>	-0.23
		<i>For 125 mils Thick, Add</i>	0.30
		<i>For Broken Line On One Side, Deduct</i>	-0.50
		<i>For Double Broken Line, Deduct</i>	-0.99
32 17 23 33-0008	LF	Double 6" Wide Solid Lines, Thermoplastic Reflective Pavement Striping	2.34
		<i>For Up To 1 Mile, Add</i>	0.47
		<i>For >5 Miles, Deduct</i>	-0.35
		<i>For 60 mils Thick, Deduct</i>	-0.35
		<i>For 125 mils Thick, Add</i>	0.45
		<i>For Broken Line On One Side, Deduct</i>	-0.74
		<i>For Double Broken Line, Deduct</i>	-1.49
32 17 23 33-0009	SF	Solid Area, Thermoplastic Reflective Pavement Marking	4.74
		Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	
		<i>For 60 mils Thick, Deduct</i>	-0.34
		<i>For 125 mils Thick, Add</i>	0.44
32 17 23 33-0010	EA	6" High, Letter/Number, Thermoplastic Reflective Pavement Marking	3.08
		<i>For Up To 10, Add</i>	0.31
		<i>For >50 To 100, Deduct</i>	-0.16
		<i>For >100 To 200, Deduct</i>	-0.21
		<i>For >200, Deduct</i>	-0.42
		<i>For 60 mils Thick, Deduct</i>	-0.18
		<i>For 125 mils Thick, Add</i>	0.23
32 17 23 33-0011	EA	12" High, Letter/Number, Thermoplastic Reflective Pavement Marking	6.77
		<i>For Up To 10, Add</i>	0.47
		<i>For >50 To 100, Deduct</i>	-0.24
		<i>For >100 To 200, Deduct</i>	-0.32
		<i>For >200, Deduct</i>	-0.63
		<i>For 60 mils Thick, Deduct</i>	-0.63
		<i>For 125 mils Thick, Add</i>	0.81
32 17 23 33-0012	EA	24" High, Letter/Number, Thermoplastic Reflective Pavement Marking	11.57
		<i>For Up To 10, Add</i>	0.78
		<i>For >50 To 100, Deduct</i>	-0.39
		<i>For >100 To 200, Deduct</i>	-0.52
		<i>For >200, Deduct</i>	-1.05
		<i>For 60 mils Thick, Deduct</i>	-1.11
		<i>For 125 mils Thick, Add</i>	1.43
32 17 23 33-0013	EA	36" High, Letter/Number, Thermoplastic Reflective Pavement Marking	21.64
		<i>For Up To 10, Add</i>	1.57
		<i>For >50 To 100, Deduct</i>	-0.79
		<i>For >100 To 200, Deduct</i>	-1.05
		<i>For >200, Deduct</i>	-2.10
		<i>For 60 mils Thick, Deduct</i>	-1.95
		<i>For 125 mils Thick, Add</i>	2.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0014 EA 48" High, Letter/Number, Thermoplastic Reflective Pavement Marking	26.23	
<i>For Up To 10, Add</i>	1.76	
<i>For >50 To 100, Deduct</i>	-0.88	
<i>For >100 To 200, Deduct</i>	-1.17	
<i>For >200, Deduct</i>	-2.35	
<i>For 60 mils Thick, Deduct</i>	-2.54	
<i>For 125 mils Thick, Add</i>	3.26	
32 17 23 33-0015 EA 72" High, Letter/Number, Thermoplastic Reflective Pavement Marking	47.37	
<i>For Up To 10, Add</i>	3.14	
<i>For >50 To 100, Deduct</i>	-1.57	
<i>For >100 To 200, Deduct</i>	-2.09	
<i>For >200, Deduct</i>	-4.18	
<i>For 60 mils Thick, Deduct</i>	-4.63	
<i>For 125 mils Thick, Add</i>	5.96	
32 17 23 33-0016 EA 96" High, Letter/Number, Thermoplastic Reflective Pavement Marking	62.89	
<i>For Up To 10, Add</i>	4.21	
<i>For >50 To 100, Deduct</i>	-2.10	
<i>For >100 To 200, Deduct</i>	-2.81	
<i>For >200, Deduct</i>	-5.61	
<i>For 60 mils Thick, Deduct</i>	-6.10	
<i>For 125 mils Thick, Add</i>	7.84	
32 17 23 33-0017 EA 120" High, Letter/Number, Thermoplastic Reflective Pavement Marking	112.50	
<i>For Up To 10, Add</i>	5.21	
<i>For >50 To 100, Deduct</i>	-2.61	
<i>For >100 To 200, Deduct</i>	-3.48	
<i>For >200, Deduct</i>	-6.95	
<i>For 60 mils Thick, Deduct</i>	-13.60	
<i>For 125 mils Thick, Add</i>	17.49	
32 17 23 33-0018 SF Letter/Number, Thermoplastic Reflective Pavement Marking	5.66	
<i>For 60 mils Thick, Deduct</i>	-0.44	
<i>For 125 mils Thick, Add</i>	0.56	
32 17 23 33-0019 SY Cross Hatch, Thermoplastic Reflective Pavement Marking	38.55	
<i>For 60 mils Thick, Deduct</i>	-3.11	
<i>For 125 mils Thick, Add</i>	3.99	
32 17 23 33-0020 EA Handicap Symbol, Thermoplastic Reflective Pavement Marking	145.92	
<i>For 60 mils Thick, Deduct</i>	-10.09	
<i>For 125 mils Thick, Add</i>	12.98	
32 17 23 33-0021 SY Solid Area, Thermoplastic Reflective Pavement Marking	45.85	
<i>For 60 mils Thick, Deduct</i>	-3.11	
<i>For 125 mils Thick, Add</i>	3.99	
32 17 23 33-0022 EA Railroad Symbol, Thermoplastic Reflective Pavement Marking	434.41	
<i>For 60 mils Thick, Deduct</i>	-30.72	
<i>For 125 mils Thick, Add</i>	39.50	
32 17 23 33-0023 EA Bike Lane Symbol, Thermoplastic Reflective Pavement Marking	97.95	
Note: Approximate overall dimensions: 4' width x 8' height.		
<i>For 60 mils Thick, Deduct</i>	-13.91	
<i>For 125 mils Thick, Add</i>	17.88	
32 17 23 33-0024 EA Diamond Symbol, Thermoplastic Reflective Pavement Marking	69.79	
<i>For 60 mils Thick, Deduct</i>	-4.83	
<i>For 125 mils Thick, Add</i>	6.21	
32 17 23 33-0025 SF Symbols, Thermoplastic Reflective Pavement Marking	6.35	
Note: Handicap, railroad, diamond, arrows, etc.		
<i>For 60 mils Thick, Deduct</i>	-0.44	
<i>For 125 mils Thick, Add</i>	0.56	
32 17 23 33-0026 EA 10' Arrow, Type I, Thermoplastic Reflective Pavement Marking	88.82	
<i>For 60 mils Thick, Deduct</i>	-6.14	
<i>For 125 mils Thick, Add</i>	7.90	
32 17 23 33-0027 EA 18' Arrow, Type I, Thermoplastic Reflective Pavement Marking	158.61	
<i>For 60 mils Thick, Deduct</i>	-10.97	
<i>For 125 mils Thick, Add</i>	14.11	
32 17 23 33-0028 EA 24' Arrow, Type I, Thermoplastic Reflective Pavement Marking	196.68	
<i>For 60 mils Thick, Deduct</i>	-13.60	
<i>For 125 mils Thick, Add</i>	17.49	
32 17 23 33-0029 EA 24' Arrow With Single (L or R) Turn Arrow, Type II, Thermoplastic Reflective Pavement Marking	285.50	
<i>For 60 mils Thick, Deduct</i>	-19.75	
<i>For 125 mils Thick, Add</i>	25.39	
32 17 23 33-0030 EA 24' Arrow With Both (L and R) Turn Arrows, Type II, Thermoplastic Reflective Pavement Marking	374.33	
<i>For 60 mils Thick, Deduct</i>	-25.89	
<i>For 125 mils Thick, Add</i>	33.29	
32 17 23 33-0031 EA 24' Arrow Single (L or R) Turn Arrow, Type III, Thermoplastic Reflective Pavement Marking	266.47	
<i>For 60 mils Thick, Deduct</i>	-18.43	
<i>For 125 mils Thick, Add</i>	23.70	
32 17 23 33-0032 EA 24' Arrow Both (L and R) Turn Arrows, Type III, Thermoplastic Reflective Pavement Marking	463.15	
<i>For 60 mils Thick, Deduct</i>	-32.04	
<i>For 125 mils Thick, Add</i>	41.19	
32 17 23 33-0033 EA 8' Turn Arrow (L or R), Type IV, Thermoplastic Reflective Pavement Marking	95.17	
<i>For 60 mils Thick, Deduct</i>	-6.58	
<i>For 125 mils Thick, Add</i>	8.46	
32 17 23 33-0034 EA 24' Arrow, Type V, Thermoplastic Reflective Pavement Marking	209.37	
<i>For 60 mils Thick, Deduct</i>	-14.48	
<i>For 125 mils Thick, Add</i>	18.62	
32 17 23 33-0035 EA 18' Arrow, Type VI, Thermoplastic Reflective Pavement Marking	266.47	
<i>For 60 mils Thick, Deduct</i>	-18.43	
<i>For 125 mils Thick, Add</i>	23.70	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 17	Paving Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0036	EA		13' Arrow With Single (L or R) Turn Arrow, Type VII, Thermoplastic Reflective Pavement Marking.....	171.30	
			<i>For 60 mils Thick, Deduct</i>	-11.85	
			<i>For 125 mils Thick, Add</i>	15.23	
32 17 23 33-0037	EA		15' Arrow With Both (L and R) Turn Arrows, Type VIII, Thermoplastic Reflective Pavement Marking.....	228.40	
			<i>For 60 mils Thick, Deduct</i>	-15.80	
			<i>For 125 mils Thick, Add</i>	20.31	
32 17 23 33-0038	EA		5' Arrow, Bike Lane, Thermoplastic Reflective Pavement Marking.....	44.41	
			<i>For 60 mils Thick, Deduct</i>	-3.07	
			<i>For 125 mils Thick, Add</i>	3.95	
32 17 23 33-0039			Thermoplastic Reflective Pavement Striping By Hand For Repairs (32 17 23 33-0001)		
32 17 23 33-0040	LF		Single 4" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs	1.64	
			<i>For 60 mils Thick, Deduct</i>	-0.12	
			<i>For 125 mils Thick, Add</i>	0.15	
32 17 23 33-0041	LF		Single 6" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs	2.10	
			<i>For 60 mils Thick, Deduct</i>	-0.17	
			<i>For 125 mils Thick, Add</i>	0.22	
32 17 23 33-0042	LF		Single 8" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs	2.61	
			<i>For 60 mils Thick, Deduct</i>	-0.23	
			<i>For 125 mils Thick, Add</i>	0.30	
32 17 23 33-0043	LF		Single 12" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs	3.77	
			<i>For 60 mils Thick, Deduct</i>	-0.35	
			<i>For 125 mils Thick, Add</i>	0.45	
32 17 23 33-0044	LF		Single 24" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs	6.89	
			<i>For 60 mils Thick, Deduct</i>	-0.69	
			<i>For 125 mils Thick, Add</i>	0.89	
32 17 23 33-0045			Preformed, Patterned Reflective Pavement Marking Tape (32 17 23 33-0001)		
			Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).		
32 17 23 33-0046	LF		Single 4" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping	1.81	
			<i>For Up To 1 Mile, Add</i>	0.36	
			<i>For >5 Miles, Deduct</i>	-0.27	
32 17 23 33-0047	LF		Single 6" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping	2.67	
			<i>For Up To 1 Mile, Add</i>	0.53	
			<i>For >5 Miles, Deduct</i>	-0.40	
32 17 23 33-0048	LF		Single 8" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping	3.55	
			<i>For Up To 1 Mile, Add</i>	0.71	
			<i>For >5 Miles, Deduct</i>	-0.53	
32 17 23 33-0049	LF		Single 12" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping	5.28	
			<i>For Up To 1 Mile, Add</i>	1.06	
			<i>For >5 Miles, Deduct</i>	-0.79	
32 17 23 33-0050	SF		Preformed Solid Area, Patterned Thermoplastic Reflective Pavement Marking Tape	14.05	
			Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 33-0051	EA		6" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	20.95	
			<i>For <10, Add</i>	0.57	
			<i>For >50 To 100, Deduct</i>	-0.28	
			<i>For >100 To 200, Deduct</i>	-0.38	
			<i>For >200, Deduct</i>	-0.76	
32 17 23 33-0052	EA		12" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	37.48	
			<i>For <10, Add</i>	0.72	
			<i>For >50 To 100, Deduct</i>	-0.36	
			<i>For >100 To 200, Deduct</i>	-0.48	
			<i>For >200, Deduct</i>	-0.96	
32 17 23 33-0053	EA		24" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	64.07	
			<i>For <10, Add</i>	1.43	
			<i>For >50 To 100, Deduct</i>	-0.71	
			<i>For >100 To 200, Deduct</i>	-0.95	
			<i>For >200, Deduct</i>	-1.91	
32 17 23 33-0054	EA		36" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	91.13	
			<i>For <10, Add</i>	2.86	
			<i>For >50 To 100, Deduct</i>	-1.43	
			<i>For >100 To 200, Deduct</i>	-1.90	
			<i>For >200, Deduct</i>	-3.81	
32 17 23 33-0055	EA		48" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	107.07	
			<i>For <10, Add</i>	3.20	
			<i>For >50 To 100, Deduct</i>	-1.60	
			<i>For >100 To 200, Deduct</i>	-2.14	
			<i>For >200, Deduct</i>	-4.27	
32 17 23 33-0056	EA		72" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	134.33	
			<i>For <10, Add</i>	5.70	
			<i>For >50 To 100, Deduct</i>	-2.85	
			<i>For >100 To 200, Deduct</i>	-3.80	
			<i>For >200, Deduct</i>	-7.60	
32 17 23 33-0057	EA		96" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	170.63	
			<i>For <10, Add</i>	7.65	
			<i>For >50 To 100, Deduct</i>	-3.83	
			<i>For >100 To 200, Deduct</i>	-5.10	
			<i>For >200, Deduct</i>	-10.21	
32 17 23 33-0058	EA		120" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	214.06	
			<i>For <10, Add</i>	9.49	
			<i>For >50 To 100, Deduct</i>	-4.74	
			<i>For >100 To 200, Deduct</i>	-6.32	
			<i>For >200, Deduct</i>	-12.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0059 SF Preformed Arrow, Patterned Thermoplastic Reflective Pavement Marking Tape	14.43	
32 17 23 33-0060 SF Preformed Symbol, Patterned Thermoplastic Reflective Pavement Marking Tape..... Note: Handicap, railroad, diamond symbol, etc.	15.12	
32 17 23 33-0061 Preformed, Thermoplastic Reflective Pavement Marking <small>(32 17 23 33-0001)</small>		
<i>Note: Heat applied. (Flint PreMark or HotTape Series).</i>		
32 17 23 33-0062 EA Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	103.78	
<i>Note: Approximate overall dimensions: 4' width x 8' height.</i>		
32 17 23 33-0063 EA Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	273.94	
<i>Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.</i>		
32 17 23 33-0064 EA Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	60.60	
<i>Note: Approximate overall dimensions: 3-1/4' width x 13' height.</i>		
32 17 23 33-0065 EA 6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	53.73	
<i>Note: Approximate overall dimensions: 2' width x 6' height.</i>		
32 17 23 33-0066 EA 9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	94.57	
<i>Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.</i>		
32 17 23 33-0067 EA 4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	60.34	
<i>Note: Approximate overall dimensions: 3' width x 4' height.</i>		
32 17 23 33-0068 EA 8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	103.95	
<i>Note: Approximate overall dimensions: 6' width x 8' height.</i>		
32 17 23 33-0069 EA Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	170.12	
<i>Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.</i>		
32 17 23 33-0070 EA Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	250.20	
<i>Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.</i>		
32 17 23 33-0071 EA Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	99.11	
<i>Note: Approximate overall dimensions: 1-2/3' width x 12' height.</i>		
32 17 23 33-0072 EA Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	108.49	
<i>Note: Approximate overall dimensions: 3' width x 12' height.</i>		
32 17 23 33-0073 EA Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	189.24	
<i>Note: Approximate overall dimensions: 5-1/2' width x 12' height.</i>		
32 17 23 33-0074 EA Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	175.21	
<i>Note: Approximate overall dimensions: 3-1/2' width x 20' height.</i>		
32 17 23 33-0075 EA Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	176.59	
<i>Note: Approximate overall dimensions: 5-1/2' width x 20' height.</i>		
32 17 23 33-0076 EA Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	235.23	
<i>Note: Approximate overall dimensions: 5-1/2' width x 18' height.</i>		
32 17 23 33-0077 Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas		
<small>(32 17 23 33)</small>		
32 17 23 33-0078 Thermoplastic Pavement Marking Tape For Parking Areas <small>(32 17 23 33-0077)</small>		
<i>Note: Heat applied. (Flint PreMark Series).</i>		
32 17 23 33-0079 EA 28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	37.97	
<i>Note: White or blue symbol. Excludes striping.</i>		
32 17 23 33-0080 EA 39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas	127.91	
32 17 23 33-0081 EA 40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	75.39	
<i>Note: White symbol on blue background. Excludes striping.</i>		
32 17 23 33-0082 EA 45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas	89.62	
<i>Note: White symbol on blue background. Excludes striping.</i>		
32 17 23 33-0083 EA 48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	93.77	
32 18 Athletic And Recreational Surfacing <small>(32 10)</small>		
32 18 23 Athletic Surfacing <small>(32 18)</small>		
32 18 23 29 Synthetic Field Sport Surfacing <small>(32 18 23)</small>		
32 18 23 29-0001 Synthetic Turf <small>(32 18 23 29)</small>		
32 18 23 29-0002 Synthetic Turf (AstroTurf) <small>(32 18 23 29-0001)</small>		
<i>Note: Includes labor, equipment and material required to install the task.</i>		
32 18 23 29-0003 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) <small>(32 18 23 29-0002)</small>		
32 18 23 29-0004 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) <small>(32 18 23 29-0003)</small>		
32 18 23 29-0005 SF 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38)	3.88	
<i>For Ambient Rubber And Sand Infill, Add</i>		0.10
<i>For Cryo Rubber Infill, Add</i>		0.26
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>		0.31
<i>For Cryo Rubber And Sand Infill, Add</i>		0.36
32 18 23 29-0006 EA Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	13,725.94	
32 18 23 29-0007 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	11,187.94	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0008	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	3,366.74	
			Note: Per sport.		
32 18 23 29-0009	EA		Endzone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields	1,243.10	
			Note: Per letter. Excludes outline.		
32 18 23 29-0010	EA		Colored Endzone For AstroTurf® GameDay Grass™ MT 38 Fields.....	1,191.31	
			Note: Per endzone.		
32 18 23 29-0011	EA		Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields	10,359.20	
			Note: Block letter.		
32 18 23 29-0012	EA		Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields	15,020.84	
			Note: Graphic.		
32 18 23 29-0013			41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf		
			(AstroTurf® GameDay Grass™ MT 41) <small>(32 18 23 29-0003)</small>		
32 18 23 29-0014	SF		41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41)	4.42	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.26	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0015	EA		Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields	13,985.00	
32 18 23 29-0016	EA		Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields	11,602.37	
32 18 23 29-0017	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	3,625.74	
			Note: Per sport.		
32 18 23 29-0018	EA		Endzone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields	1,346.70	
			Note: Per letter. Excludes outline.		
32 18 23 29-0019	EA		Colored Endzone For AstroTurf® GameDay Grass™ MT 41 Fields.....	1,243.11	
			Note: Per endzone.		
32 18 23 29-0020	EA		Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields	10,877.23	
			Note: Block letter.		
32 18 23 29-0021	EA		Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields	15,771.98	
			Note: Graphic.		
32 18 23 29-0022			45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf		
			(AstroTurf® GameDay Grass™ MT 45) <small>(32 18 23 29-0003)</small>		
32 18 23 29-0023	SF		45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45)	4.54	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.26	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0024	EA		Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields	14,243.99	
32 18 23 29-0025	EA		Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields	12,534.71	
32 18 23 29-0026	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	3,884.72	
			Note: Per sport.		
32 18 23 29-0027	EA		Endzone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields	1,450.30	
			Note: Per letter. Excludes outline.		
32 18 23 29-0028	EA		Colored Endzone For AstroTurf® GameDay Grass™ MT 45 Fields.....	1,294.91	
			Note: Per endzone.		
32 18 23 29-0029	EA		Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields	11,395.19	
			Note: Block letter.		
32 18 23 29-0030	EA		Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields	16,523.02	
			Note: Graphic.		
32 18 23 29-0031			Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone		
			(AstroTurf® GameDay Grass™ 3D) <small>(32 18 23 29-0002)</small>		
32 18 23 29-0032			52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With		
			Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0033	SF		52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52)	5.27	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.20	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0034	EA		Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	14,761.86	
32 18 23 29-0035	EA		Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	15,745.98	
32 18 23 29-0036	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	4,402.66	
			Note: Per sport.		
32 18 23 29-0037	EA		Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	1,657.47	
			Note: Per letter. Excludes outline.		
32 18 23 29-0038	EA		Colored Endzone For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	1,398.49	
			Note: Per endzone.		
32 18 23 29-0039	EA		Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	12,431.04	
			Note: Block letter.		
32 18 23 29-0040	EA		Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields	18,025.01	
			Note: Graphic.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0041 60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0042 SF 60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60)	5.51	
<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
<i>For Cryo Rubber Infill, Add</i>	0.20	
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0043 EA Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	15,020.84	
32 18 23 29-0044 EA Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	17,507.05	
32 18 23 29-0045 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	4,661.64	
Note: Per sport.		
32 18 23 29-0046 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields	1,761.06	
Note: Per letter. Excludes outline.		
32 18 23 29-0047 EA Colored Endzone For AstroTurf® GameDay Grass™ 3DX 60 Fields	1,450.29	
Note: Per endzone.		
32 18 23 29-0048 EA Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields	12,949.00	
Note: Block letter.		
32 18 23 29-0049 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields	18,776.05	
Note: Graphic.		
32 18 23 29-0050 52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0051 SF 52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52)	5.52	
<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
<i>For Cryo Rubber Infill, Add</i>	0.20	
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0052 EA Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	15,279.82	
32 18 23 29-0053 EA Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	17,610.64	
32 18 23 29-0054 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	4,920.62	
Note: Per sport.		
32 18 23 29-0055 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields	1,864.66	
Note: Per letter. Excludes outline.		
32 18 23 29-0056 EA Colored Endzone For AstroTurf® GameDay Grass™ 3D 52 Fields	1,502.08	
Note: Per endzone.		
32 18 23 29-0057 EA Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields	13,466.96	
Note: Block letter.		
32 18 23 29-0058 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields	19,527.09	
Note: Graphic.		
32 18 23 29-0059 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0060 SF 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60)	5.65	
<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
<i>For Cryo Rubber Infill, Add</i>	0.20	
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0061 EA Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	15,538.80	
32 18 23 29-0062 EA Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	18,750.15	
32 18 23 29-0063 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	5,179.60	
Note: Per sport.		
32 18 23 29-0064 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields	2,071.84	
Note: Per letter. Excludes outline.		
32 18 23 29-0065 EA Colored Endzone For AstroTurf® GameDay Grass™ 3D 60 Fields	1,553.88	
Note: Per endzone.		
32 18 23 29-0066 EA Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields	13,984.92	
Note: Block letter.		
32 18 23 29-0067 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields	20,278.13	
Note: Graphic.		
32 18 23 29-0068 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) <small>(32 18 23 29-0002)</small>		
32 18 23 29-0069 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) <small>(32 18 23 29-0068)</small>		
32 18 23 29-0070 SF 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38)	4.19	
<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
<i>For Cryo Rubber Infill, Add</i>	0.26	
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0071 EA Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	13,208.06	
32 18 23 29-0072 EA Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	9,737.71	
32 18 23 29-0073 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	2,848.80	
Note: Per sport.		

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0074 EA Endzone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields.....	1,035.93	
Note: Per letter. Excludes outline.		
32 18 23 29-0075 EA Colored Endzone For AstroTurf® GameDay Grass™ XPe 38 Fields.....	1,087.72	
Note: Per endzone.		
32 18 23 29-0076 EA Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	9,323.34	
Note: Block letter.		
32 18 23 29-0077 EA Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	13,518.84	
Note: Graphic.		
32 18 23 29-0078 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) (32 18 23 29-0068)		
32 18 23 29-0079 SF 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42).....	3.72	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0080 EA Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	13,466.96	
32 18 23 29-0081 EA Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	10,359.20	
32 18 23 29-0082 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	3,107.76	
Note: Per sport.		
32 18 23 29-0083 EA Endzone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields.....	1,139.51	
Note: Per letter. Excludes outline.		
32 18 23 29-0084 EA Colored Endzone For AstroTurf® GameDay Grass™ XPe 42 Fields.....	1,139.51	
Note: Per endzone.		
32 18 23 29-0085 EA Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	9,841.24	
Note: Block letter.		
32 18 23 29-0086 EA Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	14,269.80	
Note: Graphic.		
32 18 23 29-0087 Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) (32 18 23 29-0002)		
32 18 23 29-0088 SF Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®).....	8.72	
32 18 23 29-0089 SF Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®).....	7.66	
32 18 23 29-0090 EA Football Markings For AstroTurf® PureGrass® Fields.....	25,557.95	
32 18 23 29-0091 EA Baseball Markings For AstroTurf® PureGrass® Fields.....	30,363.72	
32 18 23 29-0092 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields.....	7,427.10	
Note: Per sport.		
32 18 23 29-0093 EA Endzone Lettering For AstroTurf® PureGrass® Fields.....	2,839.77	
Note: Per letter. Excludes outline.		
32 18 23 29-0094 EA Colored Endzone For AstroTurf® PureGrass® Fields.....	2,107.87	
Note: Per endzone.		
32 18 23 29-0095 EA Simple Logo For AstroTurf® PureGrass® Fields.....	18,970.85	
Note: Block letter.		
32 18 23 29-0096 EA Deluxe Logo For AstroTurf® PureGrass® Fields.....	27,851.61	
Note: Graphic.		
32 18 23 29-0097 Synthetic Turf (G9 Turf) (32 18 23 29-0001)		
Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0098 SF 2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf).....	5.20	
Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.		
For >35,000, Deduct	-0.47	
32 18 23 29-0099 SF 2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf).....	5.15	
Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.		
For >35,000, Deduct	-0.47	
32 18 23 29-0100 SF 1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf).....	5.37	
Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0101 EA Football Inlays For G9 Synthetic Turf.....	35,332.99	
Note: Includes field grid, numbers, arrows, coach's box and kick off lines.		
32 18 23 29-0102 EA Soccer Inlays For G9 Synthetic Turf.....	15,310.96	
32 18 23 29-0103 EA Boys Lacrosse Inlays For G9 Synthetic Turf.....	15,310.96	
32 18 23 29-0104 EA Girls Lacrosse Inlays For G9 Synthetic Turf.....	15,310.96	
32 18 23 29-0105 EA Field Hockey Inlays For G9 Synthetic Turf.....	15,310.96	
32 18 23 29-0106 EA Endzone Lettering For G9 Synthetic Turf.....	1,766.65	
Note: Priced per letter. Includes single color outlining.		
32 18 23 29-0107 SF Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf.....	1.65	
32 18 23 29-0108 SF Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf.....	4.32	
32 18 23 29-0109 SF Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf.....	1.23	
32 18 23 29-0110 SF Sand Infill For G9 Synthetic Turf.....	0.62	
32 18 23 29-0111 SF Acrylic Coated Sand Infill For G9 Synthetic Turf.....	1.02	
32 18 23 29-0112 EA Gmax Compaction And Hardness Test For G9 Synthetic Turf.....	1,177.77	
Note: Includes a comprehensive report.		
32 18 23 29-0113 EA Safety Bridge Over Track For G9 Synthetic Turf.....	11,777.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0114 SF Clean And Groom Synthetic Turf .....0.39 Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc. <i>For >10,000 To 30,000, Deduct</i> -0.16 <i>For >30,000 To 60,000, Deduct</i> -0.27 <i>For >60,000, Deduct</i> -0.30		
32 18 23 29-0115 SF Rejuvenate Synthetic Turf And Reinstall Existing Infill.....2.64 Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.		
32 18 23 29-0116 SF Rejuvenate Synthetic Turf For Installation Of New Infill.....2.93 Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.		
32 18 23 29-0117 SF Drainage Layer For G9 Synthetic Turf .....2.41 Note: Used for drainage over asphalt or on roof tops.		
32 18 23 29-0118 SF 15 mm, Shock Pad For G9 Synthetic Turf .....1.48 Note: Used for additional Gmax for a stone base field.		
32 18 23 29-0119 EA Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf .....2,347.20 Note: Includes field inspection and report.		
32 18 23 29-0120 LF Repair Inlay Lines Or Seams On G9 Synthetic Turf .....6.45 Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.		
32 18 23 29-0121 LF Nailer Used To Attach G9 Synthetic Turf.....2.58		
32 18 23 29-0122 SF Removal And Recycling Of Existing Field.....1.82 Note: Includes removal, shipping and recycling of infill, fibers and backing.		
 32 18 23 33 Running Track Surfacing (32 18 23)		
32 18 23 33-0001 Running Track Surfacing (32 18 23 33)		
32 18 23 33-0002 SY 2-1/2" Asphaltic Concrete Running Track Surfacing .....24.46		
 32 18 23 33-0003 Running Track Seal And Colored Surfaces (32 18 23 33)		
32 18 23 33-0004 SY 1 Seal Coat, Striping Of Track .....10.33 Note: Includes certification.		
 32 18 23 39 Synthetic Running Track Surfacing (32 18 23)		
32 18 23 39-0001 Synthetic Running Track Surfacing (XPLODE™) (32 18 23 39) Note: Excludes asphalt base. Includes striping.		
32 18 23 39-0002 SY Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing (XPLODE™ M100) .....36.93 <i>For >5,500, Deduct</i> -4.06 <i>For Up To 4,000, Add</i> 12.93		
32 18 23 39-0003 SY Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing (XPLODE™ MS200) .....49.57 <i>For >5,500, Deduct</i> -5.45 <i>For Up To 4,000, Add</i> 17.35 <i>For Custom Color Upgrade, Add</i> 4.71 <i>For Aliphatic Top Coating, Add</i> 8.92		
32 18 23 39-0004 SY Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing (XPLODE™ MSX500) .....83.30 <i>For >5,500, Deduct</i> -5.00 <i>For Up To 4,000, Add</i> 29.16 <i>For Custom Color Upgrade, Add</i> 6.41 <i>For Aliphatic Top Coating, Add</i> 11.91		
32 18 23 39-0005 SY Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing (XPLODE™ MSX5000) .....107.60 <i>For >5,500, Deduct</i> -6.46 <i>For Up To 4,000, Add</i> 37.66 <i>For Custom Color Upgrade, Add</i> 8.39 <i>For Aliphatic Top Coating, Add</i> 12.27		
32 18 23 39-0006 SY Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Lightning) .....33.64 <i>For >5,500, Deduct</i> -3.70 <i>For Up To 4,000, Add</i> 11.77		
32 18 23 39-0007 SY Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Accelerator) .....37.87 <i>For >5,500, Deduct</i> -5.49 <i>For Up To 4,000, Add</i> 13.25		
32 18 23 39-0008 SY Spray Retop XPLODE™ M100/MS200 Running Tracks .....33.26 <i>For Up To 4,000, Add</i> 11.64 <i>For >5,500, Deduct</i> -3.25		
32 18 23 39-0009 SY Sandwich Retop XPLODE™ MSX500 Running Tracks .....64.38 <i>For Up To 4,000, Add</i> 22.53 <i>For >5,500, Deduct</i> -6.79		
32 18 23 39-0010 SY Retop XPLODE™ Plexitrac® Lightning Running Tracks .....18.73 Note: Two layers. <i>For Up To 4,000, Add</i> 6.56 <i>For >5,500, Deduct</i> -3.10		

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 18	Athletic And Recreational Surfacing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 39-0011	SY		Retop XPLODE™ Plexitrac® Accelerator Running Tracks.....	22.80	
			Note: Two layers.		
			For Up To 4,000, Add	7.98	
			For >5,500, Deduct	-3.10	
32 18 23 39-0012	EA		Restripe XPLODE™ Running Track.....	7,741.25	
			Note: Includes two coats of acrylic resurfacer and two coats of color.		
			For College Track Restriping, Add	1,407.50	
32 18 23 53 Tennis Court Surfacing (32 18 23)					
32 18 23 53-0001			Tennis Court Surfacing (32 18 23 53)		
			See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing.		
32 18 23 53-0002	SY		Tennis Court Bituminous Pavement, 2-1/2" Thick.....	28.62	
32 18 23 53-0003 Tennis Court Markings (32 18 23 53)					
32 18 23 53-0004	EA		Paint Markings On Asphalt Tennis Court 2 Coats.....	268.36	
32 18 23 56 Natural Tennis Court Surfacing (32 18 23)					
32 18 23 56-0001	SY		Clay Tennis Court.....	40.78	
32 18 23 56-0002	SY		Tennis Court, Pulverized Natural Greenstone, Fast Dry.....	45.48	
			Note: Includes 4" base.		
32 18 23 56-0003	SY		Tennis Court, Rubber-Cork Base Resilient Pavement.....	16.68	
32 18 23 56-0004	SY		Resurface Clay Tennis Court.....	11.33	
32 18 23 56-0005	SY		Resurface Tennis Court, Pulverized Natural Greenstone.....	9.48	
32 18 23 56-0006	SY		Resurface Tennis Court, Resilient Pavement.....	5.97	
32 18 23 61 Multi-Use, Tennis Court, Basketball Court Athletic Surfacing (32 18 23)					
32 18 23 61-0001			100% Acrylic Athletic Surfacing System (California Products Plexipave®) (32 18 23 61)		
			Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0002			Surface Preparation For Athletic Surfacing System (California Products Plexipave®) (32 18 23 61-0001)		
32 18 23 61-0003	SY		100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat.....	1.62	
			Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
32 18 23 61-0004	SY		Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat.....	0.52	
			Note: For previously uncoated portland cement concrete. Applied with broom.		
32 18 23 61-0005	SY		Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat.....	2.02	
			Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.		
32 18 23 61-0006	SY		Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat.....	84.43	
			Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.		
32 18 23 61-0007			Surface Coatings For Athletic Surfacing System (California Products Plexipave®) (32 18 23 61-0001)		
			Note: Standard colors include dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.		
32 18 23 61-0008	SY		100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat.....	2.16	
			Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
			For Pacific Blue, Add	0.13	
			For US Open Blue, Add	0.44	
32 18 23 61-0009	SY		100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat.....	1.73	
			Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
			For Pacific Blue, Add	0.09	
			For US Open Blue, Add	0.32	
32 18 23 61-0010	SY		100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat.....	1.49	
			Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.		
			For Pacific Blue, Add	0.07	
			For US Open Blue, Add	0.25	
32 18 23 61-0011	SY		Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat.....	1.49	
			Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.		
			For Pacific Blue, Add	0.04	
			For US Open Or Australian Open Blue, Add	0.30	
			For Pro Purple, Add	0.66	
32 18 23 61-0012			Specialty Coatings For Athletic Surfacing System (California Products Plexipave®) (32 18 23 61-0001)		



Exterior Improvements		32
Bases, Ballasts, And Paving		32 10
Athletic And Recreational Surfacing		32 18

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 61-0013 SY Hard Acrylic Surface Coat, Clear Coating Finish, Athletic Surfacing System (California Products Plexipave® Clear-Glo #3®), Per Coat Note: Final finish coat over Plexipave® for increased wear resistance for basketball and volleyball courts. Applied with wide hair-type push broom.	0.96	
32 18 23 61-0014 Line Striping For Athletic Surfacing System (California Products Plexipave®) (32 18 23 61-0001)		
32 18 23 61-0015 SY Tennis Or Basketball Court Line Striping For Athletic Surfacing System (California Products Plexipave® Hi-Hide Plexicolor®) Note: Textured or non-textured highly reflective line marking paint.	3.77	
32 18 23 61-0016 Cushion Coatings For Athletic Surfacing System (California Products Plexipave® Plexicushion®) (32 18 23 61-0001)		
32 18 23 61-0017 SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat Note: Applied with rubber squeegee.	3.27	
32 18 23 61-0018 SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat Note: Applied with rubber squeegee.	4.49	
32 18 23 61-0019 SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat Note: Price per coat for third or additional coats. Applied with rubber squeegee.	3.85	
32 18 23 61-0020 SY Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat Note: Applied with rubber squeegee.	2.87	
32 18 23 61-0021 SY Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat Note: Price per coat for second or additional coats. Applied with rubber squeegee.	2.17	
32 30 Site Improvements (32)		
32 31 Fences And Gates (32 30)		
32 31 11 Gate Operators (32 31)		
32 31 11 00-0001 Gate Operators (32 31 11) Note: Excludes gates, electrical connections, access controls and concrete foundation.		
32 31 11 00-0002 Swing Gate Actuator (32 31 11 00-0001)		
32 31 11 00-0003 Single Gate, Swing Gate Actuator (32 31 11 00-0002)		
32 31 11 00-0004 EA Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003)	936.99	130.99
Note: Includes one primary operator with a 10' wide gate capacity.		
32 31 11 00-0005 EA Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002)	1,229.49	130.99
Note: Includes one primary operator with a 14' wide gate capacity.		
32 31 11 00-0006 Dual Gate, Swing Gate Actuator (32 31 11 00-0002)		
32 31 11 00-0007 EA Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003)	1,873.98	261.99
Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.		
32 31 11 00-0008 EA Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002)	2,458.98	261.99
Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.		
32 31 11 00-0009 Swing Gate Operators (32 31 11 00-0001)		
32 31 11 00-0010 Single Gate, Swing Gate Operators (32 31 11 00-0009)		
32 31 11 00-0011 EA 400 LB Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050)	1,851.99	130.99
Note: Includes one primary operator with a 10' wide and 400# gate capacity.		
32 31 11 00-0012 EA 500 LB Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100)	2,009.49	130.99
Note: Includes one primary operator with a 14' wide and 500# gate capacity.		
32 31 11 00-0013 EA 700 LB Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	2,706.99	130.99
Note: Includes one primary operator with an 18' wide and 700# gate capacity.		
For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0014 EA 800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	3,059.49	130.99
Note: Includes one primary operator with a 22' wide and 800# gate capacity.		
For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0015 Dual Gate, Swing Gate Operators (32 31 11 00-0009)		
32 31 11 00-0016 EA 400 LB Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050)	3,291.48	261.99
Note: Includes one primary and one secondary operator each with a 10' wide and 400# gate capacity.		
32 31 11 00-0017 EA 500 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100)	3,606.48	261.99
Note: Includes one primary and one secondary operator each with a 14' wide and 500# gate capacity.		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 31 11 00-0018	EA	700 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	4,993.98		261.99
		Note: Includes one primary and one secondary operator each with an 18' wide and 700# gate capacity.			
		For 208/230/460 Volt AC, Add	322.50		
32 31 11 00-0019	EA	800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	5,766.48		261.99
		Note: Includes one primary and one secondary operator each with a 22' wide and 800# gate capacity.			
		For 208/230/460 Volt AC, Add	322.50		
32 31 11 00-0020		Sliding Gate Operators (32 31 11 00-0001)			
		Note: Includes 20' of chain. See CSI section 32 31 11 00-0029 for additional chain over 20'.			
32 31 11 00-0021	EA	300 LB Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050).....	1,499.49		130.99
		Note: Includes operator, chain brackets, hardware and 20' of #41 chain.			
32 31 11 00-0022	EA	1,000 LB Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100).....	2,114.39		157.19
		Note: Includes operator, chain brackets, hardware and 20' of #41 chain.			
32 31 11 00-0023	EA	1,500 LB Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150).....	2,639.39		157.19
		Note: Includes operator, chain brackets, hardware and 20' of #40 chain.			
32 31 11 00-0024	EA	3,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210).....	3,460.53		183.39
		Note: Includes operator, chain brackets, hardware and 20' of #50 chain.			
32 31 11 00-0025	EA	2,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220).....	4,270.53		183.39
		Note: Includes operator, chain brackets, hardware and 20' of #50 chain.			
32 31 11 00-0026	EA	5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230).....	5,852.93		209.59
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.			
32 31 11 00-0027	EA	5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530).....	9,869.18		209.59
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.			
32 31 11 00-0028	EA	10,000 LB Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550).....	16,806.58		235.79
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.			
32 31 11 00-0029		Accessories For Gate Actuators And Operators (32 31 11 00-0001)			
32 31 11 00-0030	EA	Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410).....	333.01		
32 31 11 00-0031	EA	Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409).....	650.28		
32 31 11 00-0032	EA	Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601).....	404.80		
32 31 11 00-0033	EA	Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031).....	449.69		
32 31 11 00-0034	EA	Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020).....	404.69		
32 31 11 00-0035	EA	Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310).....	295.94		
32 31 11 00-0036	LF	#40 Chain For Sliding Gate Operators.....	5.40		
32 31 11 00-0037	LF	#41 Chain For Sliding Gate Operators.....	4.27		
32 31 11 00-0038	LF	#50 Chain For Sliding Gate Operators.....	6.02		
32 31 11 00-0039	LF	#60 Chain For Sliding Gate Operators.....	5.71		
32 31 13 Chain Link Fences And Gates (32 31)					
32 31 13 13 Chain Link Fences And Gates (32 31 13)					
32 31 13 13-0001		Post Holes (32 31 13 13)			
		Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0073 for core drilling in concrete, 02 41 19 13-0211 for core drilling in asphalt.			
32 31 13 13-0002		Auger By Machine Fence Post Hole In Soil (32 31 13 13-0001)			
32 31 13 13-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	5.94		
32 31 13 13-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	6.69		
32 31 13 13-0005	VLF	3" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	7.93		
32 31 13 13-0006	VLF	4" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	8.91		
32 31 13 13-0007	VLF	6" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	9.72		
32 31 13 13-0008	VLF	8" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	10.70		
32 31 13 13-0009	VLF	10" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	11.88		
32 31 13 13-0010	VLF	12" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	13.37		
32 31 13 13-0011	VLF	18" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	15.28		
32 31 13 13-0012	VLF	24" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	17.82		
32 31 13 13-0013	VLF	30" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	21.38		
32 31 13 13-0014	VLF	36" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	26.73		
32 31 13 13-0015		Post Hole In Rock (32 31 13 13-0001)			
32 31 13 13-0016	CF	Jackhammer Post Hole In Rock.....	44.23		
32 31 13 13-0017	CF	Rock Drill Post Hole In Rock.....	13.85		
32 31 13 13-0018		Fill For Post Holes (32 31 13 13-0001)			
32 31 13 13-0019		Concrete Fill For Post Holes (32 31 13 13-0018)			
32 31 13 13-0020	VLF	Up To 2-1/2" Diameter, Concrete Fill For Post Hole.....	3.60		



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0021 VLF 2-1/2" Diameter, Concrete Fill For Post Hole.....	4.63	
32 31 13 13-0022 VLF 3" Diameter, Concrete Fill For Post Hole.....	5.10	
32 31 13 13-0023 VLF 4" Diameter, Concrete Fill For Post Hole.....	5.90	
32 31 13 13-0024 VLF 6" Diameter, Concrete Fill For Post Hole.....	8.36	
32 31 13 13-0025 VLF 8" Diameter, Concrete Fill For Post Hole.....	11.16	
32 31 13 13-0026 VLF 10" Diameter, Concrete Fill For Post Hole.....	13.65	
32 31 13 13-0027 VLF 12" Diameter, Concrete Fill For Post Hole.....	15.95	
32 31 13 13-0028 VLF 18" Diameter, Concrete Fill For Post Hole.....	21.84	
32 31 13 13-0029 VLF 24" Diameter, Concrete Fill For Post Hole.....	27.20	
32 31 13 13-0030 VLF 30" Diameter, Concrete Fill For Post Hole.....	32.44	
32 31 13 13-0031 VLF 36" Diameter, Concrete Fill For Post Hole.....	37.91	
32 31 13 13-0032 Grout Fill For Post Holes (32 31 13 13-0018)		
32 31 13 13-0033 VLF Up To 2-1/2" Diameter, Grout Fill For Post Hole.....	4.23	
32 31 13 13-0034 VLF 2-1/2" Diameter, Grout Fill For Post Hole.....	5.46	
32 31 13 13-0035 VLF 3" Diameter, Grout Fill For Post Hole.....	5.96	
32 31 13 13-0036 VLF 4" Diameter, Grout Fill For Post Hole.....	6.74	
32 31 13 13-0037 VLF 6" Diameter, Grout Fill For Post Hole.....	9.43	
32 31 13 13-0038 VLF 8" Diameter, Grout Fill For Post Hole.....	12.59	
32 31 13 13-0039 VLF 10" Diameter, Grout Fill For Post Hole.....	15.35	
32 31 13 13-0040 VLF 12" Diameter, Grout Fill For Post Hole.....	17.85	
32 31 13 13-0041 VLF 18" Diameter, Grout Fill For Post Hole.....	23.99	
32 31 13 13-0042 VLF 24" Diameter, Grout Fill For Post Hole.....	29.42	
32 31 13 13-0043 VLF 30" Diameter, Grout Fill For Post Hole.....	34.72	
32 31 13 13-0044 VLF 36" Diameter, Grout Fill For Post Hole.....	40.14	
32 31 13 13-0045 Compacted Earth Fill For Post Holes (32 31 13 13-0018)		
32 31 13 13-0046 VLF Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	2.91	
32 31 13 13-0047 VLF 2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	3.80	
32 31 13 13-0048 VLF 3" Diameter, Compacted Earth Fill For Post Hole.....	3.97	
32 31 13 13-0049 VLF 4" Diameter, Compacted Earth Fill For Post Hole.....	4.09	
32 31 13 13-0050 VLF 6" Diameter, Compacted Earth Fill For Post Hole.....	5.46	
32 31 13 13-0051 VLF 8" Diameter, Compacted Earth Fill For Post Hole.....	7.28	
32 31 13 13-0052 VLF 10" Diameter, Compacted Earth Fill For Post Hole.....	8.73	
32 31 13 13-0053 VLF 12" Diameter, Compacted Earth Fill For Post Hole.....	9.90	
32 31 13 13-0054 VLF 18" Diameter, Compacted Earth Fill For Post Hole.....	12.06	
32 31 13 13-0055 VLF 24" Diameter, Compacted Earth Fill For Post Hole.....	13.53	
32 31 13 13-0056 VLF 30" Diameter, Compacted Earth Fill For Post Hole.....	14.84	
32 31 13 13-0057 VLF 36" Diameter, Compacted Earth Fill For Post Hole.....	16.01	
32 31 13 13-0058 Fence Posts (32 31 13 13)		
Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0059 Fence Posts (32 31 13 13-0058)		
32 31 13 13-0060 1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel (32 31 13 13-0059)		
Note: Includes cap and accessories.		
32 31 13 13-0061 LF 1-7/8" Galvanized H-beam Post, Up To 6' In Length.....	8.16	1.71
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0062 LF 1-7/8" Galvanized H-beam Post, 7' To 10' In Length.....	7.67	1.46
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0063 LF 1-7/8" Galvanized H-beam Post, 11' To 15' In Length.....	7.07	1.21
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0064 LF 1-7/8" Galvanized H-beam Post, 16' To 20' In Length.....	6.60	0.95
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0065 LF 1-7/8" Galvanized H-beam Post, 21' To 24' In Length.....	6.28	0.83
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0066 LF 1-7/8" Galvanized H-beam Post, >24' In Length.....	5.78	0.57
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0067 Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal) (32 31 13 13-0059)		
Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0068 LF 1-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	5.80	1.59
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.66	
For Vinyl Coated, Add	1.57	
For Powder Coated, Add	2.10	
For Aluminum Coated, Add	3.28	
For Schedule 20, Deduct	-0.52	
For Schedule 80, Add	1.58	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0069	LF		1-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	5.31	1.34
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.66	
			<i>For Vinyl Coated, Add</i>	1.57	
			<i>For Powder Coated, Add</i>	2.10	
			<i>For Aluminum Coated, Add</i>	3.28	
			<i>For Schedule 20, Deduct</i>	-0.52	
			<i>For Schedule 80, Add</i>	1.53	
32 31 13 13-0070	LF		1-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	4.76	1.08
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.66	
			<i>For Vinyl Coated, Add</i>	1.57	
			<i>For Powder Coated, Add</i>	2.10	
			<i>For Aluminum Coated, Add</i>	3.28	
			<i>For Schedule 20, Deduct</i>	-0.52	
			<i>For Schedule 80, Add</i>	1.47	
32 31 13 13-0071	LF		1-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	4.34	0.83
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.66	
			<i>For Vinyl Coated, Add</i>	1.57	
			<i>For Powder Coated, Add</i>	2.10	
			<i>For Aluminum Coated, Add</i>	3.28	
			<i>For Schedule 20, Deduct</i>	-0.52	
			<i>For Schedule 80, Add</i>	1.43	
32 31 13 13-0072	LF		1-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	4.05	0.70
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.66	
			<i>For Vinyl Coated, Add</i>	1.57	
			<i>For Powder Coated, Add</i>	2.10	
			<i>For Aluminum Coated, Add</i>	3.28	
			<i>For Schedule 20, Deduct</i>	-0.52	
			<i>For Schedule 80, Add</i>	1.40	
32 31 13 13-0073	LF		1-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	3.74	0.57
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.66	
			<i>For Vinyl Coated, Add</i>	1.57	
			<i>For Powder Coated, Add</i>	2.10	
			<i>For Aluminum Coated, Add</i>	3.28	
			<i>For Schedule 20, Deduct</i>	-0.52	
			<i>For Schedule 80, Add</i>	1.37	
32 31 13 13-0074			Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal) <small>(32 31 13 13-0059)</small>		
			Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0075	LF		2" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	6.49	1.66
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.80	
			<i>For Vinyl Coated, Add</i>	1.92	
			<i>For Powder Coated, Add</i>	2.56	
			<i>For Aluminum Coated, Add</i>	4.00	
			<i>For Schedule 20, Deduct</i>	-0.64	
			<i>For Schedule 80, Add</i>	1.87	
32 31 13 13-0076	LF		2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	6.05	1.40
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.80	
			<i>For Vinyl Coated, Add</i>	1.92	
			<i>For Powder Coated, Add</i>	2.56	
			<i>For Aluminum Coated, Add</i>	4.00	
			<i>For Schedule 20, Deduct</i>	-0.64	
			<i>For Schedule 80, Add</i>	1.82	
32 31 13 13-0077	LF		2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	5.47	1.15
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.80	
			<i>For Vinyl Coated, Add</i>	1.92	
			<i>For Powder Coated, Add</i>	2.56	
			<i>For Aluminum Coated, Add</i>	4.00	
			<i>For Schedule 20, Deduct</i>	-0.64	
			<i>For Schedule 80, Add</i>	1.76	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0078 LF 2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	5.01	0.89
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.80	
For Vinyl Coated, Add	1.92	
For Powder Coated, Add	2.56	
For Aluminum Coated, Add	4.00	
For Schedule 20, Deduct	-0.64	
For Schedule 80, Add	1.72	
32 31 13 13-0079 LF 2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	4.72	0.76
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.80	
For Vinyl Coated, Add	1.92	
For Powder Coated, Add	2.56	
For Aluminum Coated, Add	4.00	
For Schedule 20, Deduct	-0.64	
For Schedule 80, Add	1.69	
32 31 13 13-0080 LF 2" Outside Diameter Galvanized Steel Post, >24' In Length.....	4.44	0.64
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.80	
For Vinyl Coated, Add	1.92	
For Powder Coated, Add	2.56	
For Aluminum Coated, Add	4.00	
For Schedule 20, Deduct	-0.64	
For Schedule 80, Add	1.66	
32 31 13 13-0081 Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal) (32 31 13 13-0089)		
Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0082 LF 2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	7.73	1.78
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
For Vinyl Coated, Add	2.56	
For Powder Coated, Add	3.41	
For Aluminum Coated, Add	5.33	
For Schedule 20, Deduct	-0.85	
For Schedule 80, Add	2.39	
32 31 13 13-0083 LF 2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	7.24	1.53
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
For Vinyl Coated, Add	2.56	
For Powder Coated, Add	3.41	
For Aluminum Coated, Add	5.33	
For Schedule 20, Deduct	-0.85	
For Schedule 80, Add	2.34	
32 31 13 13-0084 LF 2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	6.64	1.21
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
For Vinyl Coated, Add	2.56	
For Powder Coated, Add	3.41	
For Aluminum Coated, Add	5.33	
For Schedule 20, Deduct	-0.85	
For Schedule 80, Add	2.28	
32 31 13 13-0085 LF 2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	6.17	0.95
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
For Vinyl Coated, Add	2.56	
For Powder Coated, Add	3.41	
For Aluminum Coated, Add	5.33	
For Schedule 20, Deduct	-0.85	
For Schedule 80, Add	2.24	
32 31 13 13-0086 LF 2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length.....	5.85	0.83
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
For Vinyl Coated, Add	2.56	
For Powder Coated, Add	3.41	
For Aluminum Coated, Add	5.33	
For Schedule 20, Deduct	-0.85	
For Schedule 80, Add	2.20	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0087 LF 2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length.....	5.55	0.64
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
For Vinyl Coated, Add	2.56	
For Powder Coated, Add	3.41	
For Aluminum Coated, Add	5.33	
For Schedule 20, Deduct	-0.85	
For Schedule 80, Add	2.17	
32 31 13 13-0088 Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) (32 31 13 13-0059)		
Note: 3" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0089 LF 3" Outside Diameter Galvanized Steel Post, Up To 6' In Length	10.17	1.91
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.43	
32 31 13 13-0090 LF 3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	9.65	1.66
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.38	
32 31 13 13-0091 LF 3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	9.01	1.34
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.32	
32 31 13 13-0092 LF 3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	8.48	1.08
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.26	
32 31 13 13-0093 LF 3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	8.13	0.89
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.23	
32 31 13 13-0094 LF 3" Outside Diameter Galvanized Steel Post, >24' In Length.....	7.79	0.70
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.20	
32 31 13 13-0095 Post Without Top Rail Fitting, Galvanized Steel, (4" Nominal) (32 31 13 13-0059)		
Note: 4" outside diameter, Schedule 40. Includes cap and accessories.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0096 LF 4" Outside Diameter Galvanized Steel Post, Up To 6' In Length	14.35	2.03
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.59	
For Vinyl Coated, Add	6.20	
For Powder Coated, Add	8.27	
For Aluminum Coated, Add	12.93	
For Schedule 20, Deduct	-2.07	
For Schedule 80, Add	5.36	
32 31 13 13-0097 LF 4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	13.69	1.66
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.59	
For Vinyl Coated, Add	6.20	
For Powder Coated, Add	8.27	
For Aluminum Coated, Add	12.93	
For Schedule 20, Deduct	-2.07	
For Schedule 80, Add	5.30	
32 31 13 13-0098 LF 4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	13.13	1.40
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.59	
For Vinyl Coated, Add	6.20	
For Powder Coated, Add	8.27	
For Aluminum Coated, Add	12.93	
For Schedule 20, Deduct	-2.07	
For Schedule 80, Add	5.24	
32 31 13 13-0099 LF 4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	12.57	1.15
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.59	
For Vinyl Coated, Add	6.20	
For Powder Coated, Add	8.27	
For Aluminum Coated, Add	12.93	
For Schedule 20, Deduct	-2.07	
For Schedule 80, Add	5.19	
32 31 13 13-0100 LF 4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	12.57	1.15
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.59	
For Vinyl Coated, Add	6.20	
For Powder Coated, Add	8.27	
For Aluminum Coated, Add	12.93	
For Schedule 20, Deduct	-2.07	
For Schedule 80, Add	5.19	
32 31 13 13-0101 LF 4" Outside Diameter Galvanized Steel Post, >24' In Length	11.93	0.83
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.59	
For Vinyl Coated, Add	6.20	
For Powder Coated, Add	8.27	
For Aluminum Coated, Add	12.93	
For Schedule 20, Deduct	-2.07	
For Schedule 80, Add	5.12	
32 31 13 13-0102 Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal) (32 31 13 13-0099)		
Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0103 LF 6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	26.39	2.22
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	5.48	
For Vinyl Coated, Add	13.15	
For Powder Coated, Add	17.54	
For Aluminum Coated, Add	27.40	
For Schedule 20, Deduct	-4.38	
For Schedule 80, Add	10.97	
32 31 13 13-0104 LF 6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	25.66	1.85
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	5.48	
For Vinyl Coated, Add	13.15	
For Powder Coated, Add	17.54	
For Aluminum Coated, Add	27.40	
For Schedule 20, Deduct	-4.38	
For Schedule 80, Add	10.90	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0105 LF 6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	25.03	1.53
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	5.48	
For Vinyl Coated, Add	13.15	
For Powder Coated, Add	17.54	
For Aluminum Coated, Add	27.40	
For Schedule 20, Deduct	-4.38	
For Schedule 80, Add	10.83	
32 31 13 13-0106 LF 6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	24.39	1.21
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	5.48	
For Vinyl Coated, Add	13.15	
For Powder Coated, Add	17.54	
For Aluminum Coated, Add	27.40	
For Schedule 20, Deduct	-4.38	
For Schedule 80, Add	10.77	
32 31 13 13-0107 LF 6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	24.04	1.08
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	5.48	
For Vinyl Coated, Add	13.15	
For Powder Coated, Add	17.54	
For Aluminum Coated, Add	27.40	
For Schedule 20, Deduct	-4.38	
For Schedule 80, Add	10.73	
32 31 13 13-0108 LF 6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	23.69	0.89
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	5.48	
For Vinyl Coated, Add	13.15	
For Powder Coated, Add	17.54	
For Aluminum Coated, Add	27.40	
For Schedule 20, Deduct	-4.38	
For Schedule 80, Add	10.70	
32 31 13 13-0109 Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal) (32 31 13 13-0059)		
Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0110 LF 8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	49.88	2.48
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	11.23	
For Vinyl Coated, Add	26.95	
For Powder Coated, Add	35.94	
For Aluminum Coated, Add	56.15	
For Schedule 20, Deduct	-8.98	
For Schedule 80, Add	22.06	
32 31 13 13-0111 LF 8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	49.07	2.10
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	11.23	
For Vinyl Coated, Add	26.95	
For Powder Coated, Add	35.94	
For Aluminum Coated, Add	56.15	
For Schedule 20, Deduct	-8.98	
For Schedule 80, Add	21.98	
32 31 13 13-0112 LF 8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	48.36	1.71
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	11.23	
For Vinyl Coated, Add	26.95	
For Powder Coated, Add	35.94	
For Aluminum Coated, Add	56.15	
For Schedule 20, Deduct	-8.98	
For Schedule 80, Add	21.91	
32 31 13 13-0113 LF 8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	47.64	1.34
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	11.23	
For Vinyl Coated, Add	26.95	
For Powder Coated, Add	35.94	
For Aluminum Coated, Add	56.15	
For Schedule 20, Deduct	-8.98	
For Schedule 80, Add	21.83	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0114 LF 8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	47.28	1.15
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	11.23	
For Vinyl Coated, Add	26.95	
For Powder Coated, Add	35.94	
For Aluminum Coated, Add	56.15	
For Schedule 20, Deduct	-8.98	
For Schedule 80, Add	21.80	
32 31 13 13-0115 LF 8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	46.88	0.95
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	11.23	
For Vinyl Coated, Add	26.95	
For Powder Coated, Add	35.94	
For Aluminum Coated, Add	56.15	
For Schedule 20, Deduct	-8.98	
For Schedule 80, Add	21.76	
32 31 13 13-0116 Driven Post Supports (32 31 13 13)		
Note: OZ-Post.		
32 31 13 13-0117 Driven Post Support For Round Chain Link Fence Posts (32 31 13 13-0116)		
32 31 13 13-0118 EA 26" Driven Post Support For 1-5/8" Round Chain Link Fence Post	36.42	
Note: OZ-Post GB-700.		
32 31 13 13-0119 EA 26" Driven Post Support For 1-7/8" Round Chain Link Fence Post	36.42	
Note: OZ-Post HB-700.		
32 31 13 13-0120 EA 26" Driven Post Support For 2-3/8" Round Chain Link Fence Post	37.24	
Note: OZ-Post IS-600.		
32 31 13 13-0121 EA 32" Driven Post Support For 2-3/8" Round Chain Link Fence Post	44.96	
Note: OZ-Post ISW-850.		
32 31 13 13-0122 Driven Post Support For Square Ornamental Fence Posts (32 31 13 13-0116)		
32 31 13 13-0123 EA 34" Driven Post Support For 1-3/4" Square Ornamental Fence Post	42.49	
Note: OZ-Post C175-850.		
32 31 13 13-0124 EA 24" Driven Post Support For 2" Square Ornamental Fence Post.....	41.26	
Note: OZ-Post I2-600.		
32 31 13 13-0125 EA 34" Driven Post Support For 2" Square Ornamental Fence Post.....	42.74	
Note: OZ-Post I2-850.		
32 31 13 13-0126 EA 34" Driven Post Support For 2-1/2" Square Ornamental Fence Post	44.96	
Note: OZ-Post I25-850.		
32 31 13 13-0127 EA 34" Driven Post Support For 3" Square Ornamental Fence Post.....	44.96	
Note: OZ-Post I3-850.		
32 31 13 13-0128 Driven Post Support For Wooden Fence Posts (32 31 13 13-0116)		
32 31 13 13-0129 EA 24" Driven Post Support For 3-1/2" Square Wooden Fence Post.....	40.81	
Note: OZ-Post T4-600.		
32 31 13 13-0130 EA 34" Driven Post Support For 3-1/2" Square Wooden Fence Post.....	43.72	
Note: OZ-Post T4-850.		
32 31 13 13-0131 EA 34" Driven Post Support For 3-3/4" Square Wooden Fence Post.....	46.60	
Note: OZ-Post C4-850.		
32 31 13 13-0132 EA 34" Driven Post Support For 4" Square Wooden Fence Post.....	46.61	
Note: OZ-Post P4-850.		
32 31 13 13-0133 EA 36" Driven Post Support For 4" x 6" Wooden Fence Post	51.95	
Note: OZ-Post T46-850.		
32 31 13 13-0134 EA 36" Driven Post Support For 6" Square Wooden Fence Post.....	55.73	
Note: OZ-Post T6-850.		
32 31 13 13-0135 Driven Post Support For Vinyl Fence Posts (32 31 13 13-0116)		
32 31 13 13-0136 EA 24" Driven Post Support For 3-1/2" Square Vinyl Fence Post	40.81	
Note: OZ-Post T4-600.		
32 31 13 13-0137 EA 34" Driven Post Support For 3-1/2" Square Vinyl Fence Post	43.72	
Note: OZ-Post T4-850.		
32 31 13 13-0138 EA 34" Driven Post Support For 4" Square Vinyl Fence Post.....	46.61	
Note: OZ-Post P4-850.		
32 31 13 13-0139 EA 34" Driven Post Support For 5" Square Vinyl Fence Post.....	47.26	
Note: OZ-Post P4-850.		
32 31 13 13-0140 Chain Link Fence Assemblies (32 31 13 13)		
32 31 13 13-0141 Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts (32 31 13 13-0140)		
Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvage), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0640 for barb wire attachments.		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0142			Galvanized <small>(32 31 13 13-0141)</small>		
32 31 13 13-0143	LF		3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	17.25	2.17
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.29	
			<i>For 13 Gauge Fabric, Deduct</i>	-3.05	
			<i>For 11 Gauge Fabric, Deduct</i>	-1.78	
			<i>For 6 Gauge Fabric, Add</i>	2.80	
			<i>For 1" Mesh Fabric, Add</i>	3.82	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.53	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.76	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.02	
			<i>For Posts 8' On Centers, Add</i>	0.96	
			<i>For Posts 5' On Centers, Add</i>	3.66	
			<i>For Up To 100, Add</i>	3.43	
			<i>For >100 To 250, Add</i>	1.29	
			<i>For >2,500 To 5,000, Deduct</i>	-0.64	
			<i>For >5,000, Deduct</i>	-1.29	
32 31 13 13-0144	LF		3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	17.99	2.17
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.33	
			<i>For 13 Gauge Fabric, Deduct</i>	-3.26	
			<i>For 11 Gauge Fabric, Deduct</i>	-1.90	
			<i>For 6 Gauge Fabric, Add</i>	2.99	
			<i>For 1" Mesh Fabric, Add</i>	4.08	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.63	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.82	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.09	
			<i>For Posts 8' On Centers, Add</i>	1.00	
			<i>For Posts 5' On Centers, Add</i>	3.80	
			<i>For Up To 100, Add</i>	3.56	
			<i>For >100 To 250, Add</i>	1.33	
			<i>For >2,500 To 5,000, Deduct</i>	-0.67	
			<i>For >5,000, Deduct</i>	-1.33	
32 31 13 13-0145	LF		4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	18.59	2.17
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.37	
			<i>For 13 Gauge Fabric, Deduct</i>	-3.43	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.00	
			<i>For 6 Gauge Fabric, Add</i>	3.15	
			<i>For 1" Mesh Fabric, Add</i>	4.29	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.72	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.86	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.14	
			<i>For Posts 8' On Centers, Add</i>	1.03	
			<i>For Posts 5' On Centers, Add</i>	3.91	
			<i>For Up To 100, Add</i>	3.66	
			<i>For >100 To 250, Add</i>	1.37	
			<i>For >2,500 To 5,000, Deduct</i>	-0.68	
			<i>For >5,000, Deduct</i>	-1.37	
32 31 13 13-0146	LF		5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	20.08	2.17
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.46	
			<i>For 13 Gauge Fabric, Deduct</i>	-3.84	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.25	
			<i>For 6 Gauge Fabric, Add</i>	3.53	
			<i>For 1" Mesh Fabric, Add</i>	4.81	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.92	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.96	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.28	
			<i>For Posts 8' On Centers, Add</i>	1.11	
			<i>For Posts 5' On Centers, Add</i>	4.20	
			<i>For Up To 100, Add</i>	3.91	
			<i>For >100 To 250, Add</i>	1.46	
			<i>For >2,500 To 5,000, Deduct</i>	-0.73	
			<i>For >5,000, Deduct</i>	-1.46	
32 31 13 13-0147	LF		6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	21.86	2.17
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.57	
			<i>For 13 Gauge Fabric, Deduct</i>	-4.26	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.49	
			<i>For 6 Gauge Fabric, Add</i>	3.91	
			<i>For 1" Mesh Fabric, Add</i>	5.33	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.13	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.07	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.42	
			<i>For Posts 8' On Centers, Add</i>	1.21	
			<i>For Posts 5' On Centers, Add</i>	4.56	
			<i>For Up To 100, Add</i>	4.24	
			<i>For >100 To 250, Add</i>	1.57	
			<i>For >2,500 To 5,000, Deduct</i>	-0.79	
			<i>For >5,000, Deduct</i>	-1.57	



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		Site Improvements	32 30
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0148 LF 7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	22.92	3.24
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.64	
<i>For 13 Gauge Fabric, Deduct</i>	-4.50	
<i>For 11 Gauge Fabric, Deduct</i>	-2.63	
<i>For 6 Gauge Fabric, Add</i>	4.13	
<i>For 1" Mesh Fabric, Add</i>	5.63	
<i>For 1-3/4" Mesh Fabric, Add</i>	2.25	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.13	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.50	
<i>For Posts 8' On Centers, Add</i>	1.27	
<i>For Posts 5' On Centers, Add</i>	4.77	
<i>For Up To 100, Add</i>	4.44	
<i>For >100 To 250, Add</i>	1.64	
<i>For >2,500 To 5,000, Deduct</i>	-0.82	
<i>For >5,000, Deduct</i>	-1.64	
32 31 13 13-0149 LF 8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	25.79	3.79
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.82	
<i>For 13 Gauge Fabric, Deduct</i>	-5.28	
<i>For 11 Gauge Fabric, Deduct</i>	-3.08	
<i>For 6 Gauge Fabric, Add</i>	4.64	
<i>For 1" Mesh Fabric, Add</i>	6.60	
<i>For 1-3/4" Mesh Fabric, Add</i>	2.64	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.32	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.76	
<i>For Posts 8' On Centers, Add</i>	1.42	
<i>For Posts 5' On Centers, Add</i>	5.33	
<i>For Up To 100, Add</i>	4.93	
<i>For >100 To 250, Add</i>	1.82	
<i>For >2,500 To 5,000, Deduct</i>	-0.91	
<i>For >5,000, Deduct</i>	-1.82	
32 31 13 13-0150 LF 9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	27.63	4.86
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.94	
<i>For 13 Gauge Fabric, Deduct</i>	-5.74	
<i>For 11 Gauge Fabric, Deduct</i>	-3.35	
<i>For 6 Gauge Fabric, Add</i>	5.27	
<i>For 1" Mesh Fabric, Add</i>	7.19	
<i>For 1-3/4" Mesh Fabric, Add</i>	2.87	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.44	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.92	
<i>For Posts 8' On Centers, Add</i>	1.51	
<i>For Posts 5' On Centers, Add</i>	5.70	
<i>For Up To 100, Add</i>	5.26	
<i>For >100 To 250, Add</i>	1.94	
<i>For >2,500 To 5,000, Deduct</i>	-0.97	
<i>For >5,000, Deduct</i>	-1.94	
32 31 13 13-0151 LF 10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	29.48	5.41
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.06	
<i>For 13 Gauge Fabric, Deduct</i>	-6.21	
<i>For 11 Gauge Fabric, Deduct</i>	-3.63	
<i>For 6 Gauge Fabric, Add</i>	5.70	
<i>For 1" Mesh Fabric, Add</i>	7.77	
<i>For 1-3/4" Mesh Fabric, Add</i>	3.11	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.55	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.07	
<i>For Posts 8' On Centers, Add</i>	1.61	
<i>For Posts 5' On Centers, Add</i>	6.06	
<i>For Up To 100, Add</i>	5.58	
<i>For >100 To 250, Add</i>	2.06	
<i>For >2,500 To 5,000, Deduct</i>	-1.03	
<i>For >5,000, Deduct</i>	-2.06	
32 31 13 13-0152 LF 12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	32.90	6.49
<i>For Each Additional Foot >12, Add</i>	3.01	
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.28	
<i>For 13 Gauge Fabric, Deduct</i>	-7.05	
<i>For 11 Gauge Fabric, Deduct</i>	-4.12	
<i>For 6 Gauge Fabric, Add</i>	6.48	
<i>For 1" Mesh Fabric, Add</i>	8.83	
<i>For 1-3/4" Mesh Fabric, Add</i>	3.53	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.77	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.35	
<i>For Posts 8' On Centers, Add</i>	1.80	
<i>For Posts 5' On Centers, Add</i>	6.74	
<i>For Up To 100, Add</i>	6.20	
<i>For >100 To 250, Add</i>	2.28	
<i>For >2,500 To 5,000, Deduct</i>	-1.14	
<i>For >5,000, Deduct</i>	-2.28	

32 31 13 13-0153 Vinyl Coated (32 31 13 13-0141)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0154	LF	4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	19.47	2.17
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	1.61	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.41	
			<i>For 13 Gauge Fabric, Deduct</i>	-3.73	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.18	
			<i>For 6 Gauge Fabric, Add</i>	3.43	
			<i>For 1" Mesh Fabric, Add</i>	4.67	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.87	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.93	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.25	
			<i>For Posts 8' On Centers, Add</i>	1.08	
			<i>For Posts 5' On Centers, Add</i>	4.07	
			<i>For Up To 100, Add</i>	3.79	
			<i>For >100 To 250, Add</i>	1.41	
			<i>For >2,500 To 5,000, Deduct</i>	-0.71	
			<i>For >5,000, Deduct</i>	-1.41	
32 31	13 13-0155	LF	5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	21.18	2.17
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	1.82	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.51	
			<i>For 13 Gauge Fabric, Deduct</i>	-4.23	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.47	
			<i>For 6 Gauge Fabric, Add</i>	3.88	
			<i>For 1" Mesh Fabric, Add</i>	5.29	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.12	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.06	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.41	
			<i>For Posts 8' On Centers, Add</i>	1.17	
			<i>For Posts 5' On Centers, Add</i>	4.40	
			<i>For Up To 100, Add</i>	4.08	
			<i>For >100 To 250, Add</i>	1.51	
			<i>For >2,500 To 5,000, Deduct</i>	-0.76	
			<i>For >5,000, Deduct</i>	-1.51	
32 31	13 13-0156	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	24.12	2.17
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.18	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.69	
			<i>For 13 Gauge Fabric, Deduct</i>	-5.05	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.95	
			<i>For 6 Gauge Fabric, Add</i>	4.63	
			<i>For 1" Mesh Fabric, Add</i>	6.32	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.53	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.26	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.68	
			<i>For Posts 8' On Centers, Add</i>	1.32	
			<i>For Posts 5' On Centers, Add</i>	4.97	
			<i>For Up To 100, Add</i>	4.58	
			<i>For >100 To 250, Add</i>	1.69	
			<i>For >2,500 To 5,000, Deduct</i>	-0.84	
			<i>For >5,000, Deduct</i>	-1.69	
32 31	13 13-0157	LF	7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	25.54	3.24
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.34	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.78	
			<i>For 13 Gauge Fabric, Deduct</i>	-5.41	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.16	
			<i>For 6 Gauge Fabric, Add</i>	4.97	
			<i>For 1" Mesh Fabric, Add</i>	6.77	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.71	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.35	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.81	
			<i>For Posts 8' On Centers, Add</i>	1.40	
			<i>For Posts 5' On Centers, Add</i>	5.25	
			<i>For Up To 100, Add</i>	4.83	
			<i>For >100 To 250, Add</i>	1.78	
			<i>For >2,500 To 5,000, Deduct</i>	-0.89	
			<i>For >5,000, Deduct</i>	-1.78	
32 31	13 13-0158	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	28.84	3.79
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.73	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.97	
			<i>For 13 Gauge Fabric, Deduct</i>	-6.33	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.70	
			<i>For 6 Gauge Fabric, Add</i>	5.82	
			<i>For 1" Mesh Fabric, Add</i>	7.93	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.17	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.59	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.11	
			<i>For Posts 8' On Centers, Add</i>	1.57	
			<i>For Posts 5' On Centers, Add</i>	5.88	
			<i>For Up To 100, Add</i>	5.39	
			<i>For >100 To 250, Add</i>	1.97	
			<i>For >2,500 To 5,000, Deduct</i>	-0.99	
			<i>For >5,000, Deduct</i>	-1.97	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0159 LF 9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	30.90	4.86
For Powder Coated Framework (Posts, Rails, Hardware), Add	2.97	
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	2.10	
For 13 Gauge Fabric, Deduct	-6.88	
For 11 Gauge Fabric, Deduct	-4.02	
For 6 Gauge Fabric, Add	6.31	
For 1" Mesh Fabric, Add	8.61	
For 1-3/4" Mesh Fabric, Add	3.44	
For 2-1/8" Mesh Fabric, Deduct	-1.72	
For 2-3/8" Mesh Fabric, Deduct	-2.30	
For Posts 8' On Centers, Add	1.68	
For Posts 5' On Centers, Add	6.28	
For Up To 100, Add	5.75	
For >100 To 250, Add	2.10	
For >2,500 To 5,000, Deduct	-1.05	
For >5,000, Deduct	-2.10	
32 31 13 13-0160 LF 10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	32.97	5.41
For Powder Coated Framework (Posts, Rails, Hardware), Add	3.20	
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	2.23	
For 13 Gauge Fabric, Deduct	-7.42	
For 11 Gauge Fabric, Deduct	-4.33	
For 6 Gauge Fabric, Add	6.81	
For 1" Mesh Fabric, Add	9.29	
For 1-3/4" Mesh Fabric, Add	3.71	
For 2-1/8" Mesh Fabric, Deduct	-1.86	
For 2-3/8" Mesh Fabric, Deduct	-2.48	
For Posts 8' On Centers, Add	1.79	
For Posts 5' On Centers, Add	6.69	
For Up To 100, Add	6.11	
For >100 To 250, Add	2.23	
For >2,500 To 5,000, Deduct	-1.11	
For >5,000, Deduct	-2.23	
32 31 13 13-0161 LF 12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	35.98	6.49
For Each Additional Foot >12, Add	3.26	
For Powder Coated Framework (Posts, Rails, Hardware), Add	3.51	
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	2.43	
For 13 Gauge Fabric, Deduct	-8.12	
For 11 Gauge Fabric, Deduct	-4.75	
For 6 Gauge Fabric, Add	7.46	
For 1" Mesh Fabric, Add	10.17	
For 1-3/4" Mesh Fabric, Add	4.07	
For 2-1/8" Mesh Fabric, Deduct	-2.03	
For 2-3/8" Mesh Fabric, Deduct	-2.71	
For Posts 8' On Centers, Add	1.95	
For Posts 5' On Centers, Add	7.30	
For Up To 100, Add	6.66	
For >100 To 250, Add	2.43	
For >2,500 To 5,000, Deduct	-1.21	
For >5,000, Deduct	-2.43	
32 31 13 13-0162 Rails <small>(32 31 13 13)</small>		
Note: Includes rail end fittings.		
32 31 13 13-0163 SS-20 Chain Link Fence Rails <small>(32 31 13 13-0162)</small>		
Note: Includes tie wires.		
32 31 13 13-0164 LF 1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	2.91	0.70
For SS15, Deduct	-0.15	
For SS40, Add	0.36	
32 31 13 13-0165 LF 1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	3.40	0.70
For SS40, Add	0.19	
For Powder Coated, Add	0.39	
For Aluminum Coated, Add	0.78	
32 31 13 13-0166 LF 1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	3.52	0.79
For SS15, Deduct	-0.19	
For SS40, Add	0.48	
32 31 13 13-0167 LF 1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	4.17	0.79
For SS40, Add	0.26	
For Powder Coated, Add	0.52	
For Aluminum Coated, Add	1.03	
32 31 13 13-0168 LF 2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	4.10	0.89
For SS40, Add	0.58	
32 31 13 13-0169 LF 2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	4.88	0.89
For SS40, Add	0.31	
For Powder Coated, Add	0.62	
For Aluminum Coated, Add	1.24	
32 31 13 13-0170 Fabric <small>(32 31 13 13)</small>		
32 31 13 13-0171 Fabric, Galvanized Chain Link <small>(32 31 13 13-0170)</small>		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0172 LF 3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	6.30	1.27
For 2 Oz Galvanized Coating, Add	0.54	
For 13 Gauge Fabric, Deduct	-0.98	
For 11 Gauge Fabric, Deduct	-0.54	
For 6 Gauge Fabric, Add	1.74	
For 1" Mesh Fabric, Add	1.63	
For 1-3/4" Mesh Fabric, Add	0.65	
For 2-1/8" Mesh Fabric, Deduct	-0.33	
For 2-3/8" Mesh Fabric, Deduct	-0.43	
32 31 13 13-0173 LF 3-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	6.99	1.43
For 2 Oz Galvanized Coating, Add	0.63	
For 13 Gauge Fabric, Deduct	-1.14	
For 11 Gauge Fabric, Deduct	-0.63	
For 6 Gauge Fabric, Add	2.02	
For 1" Mesh Fabric, Add	1.90	
For 1-3/4" Mesh Fabric, Add	0.76	
For 2-1/8" Mesh Fabric, Deduct	-0.38	
For 2-3/8" Mesh Fabric, Deduct	-0.51	
32 31 13 13-0174 LF 4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	7.55	1.59
For 2 Oz Galvanized Coating, Add	0.70	
For 13 Gauge Fabric, Deduct	-1.25	
For 11 Gauge Fabric, Deduct	-0.70	
For 6 Gauge Fabric, Add	2.22	
For 1" Mesh Fabric, Add	2.09	
For 1-3/4" Mesh Fabric, Add	0.83	
For 2-1/8" Mesh Fabric, Deduct	-0.42	
For 2-3/8" Mesh Fabric, Deduct	-0.56	
32 31 13 13-0175 LF 5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	8.55	1.91
For 2 Oz Galvanized Coating, Add	0.87	
For 13 Gauge Fabric, Deduct	-1.56	
For 11 Gauge Fabric, Deduct	-0.87	
For 6 Gauge Fabric, Add	2.77	
For 1" Mesh Fabric, Add	2.60	
For 1-3/4" Mesh Fabric, Add	1.04	
For 2-1/8" Mesh Fabric, Deduct	-0.52	
For 2-3/8" Mesh Fabric, Deduct	-0.69	
32 31 13 13-0176 LF 6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	9.61	2.22
For 2 Oz Galvanized Coating, Add	1.04	
For 13 Gauge Fabric, Deduct	-1.87	
For 11 Gauge Fabric, Deduct	-1.04	
For 6 Gauge Fabric, Add	3.33	
For 1" Mesh Fabric, Add	3.12	
For 1-3/4" Mesh Fabric, Add	1.25	
For 2-1/8" Mesh Fabric, Deduct	-0.62	
For 2-3/8" Mesh Fabric, Deduct	-0.83	
32 31 13 13-0177 LF 7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	10.72	2.54
For 2 Oz Galvanized Coating, Add	1.21	
For 13 Gauge Fabric, Deduct	-2.18	
For 11 Gauge Fabric, Deduct	-1.21	
For 6 Gauge Fabric, Add	3.88	
For 1" Mesh Fabric, Add	3.64	
For 1-3/4" Mesh Fabric, Add	1.46	
For 2-1/8" Mesh Fabric, Deduct	-0.73	
For 2-3/8" Mesh Fabric, Deduct	-0.97	
32 31 13 13-0178 LF 8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	11.90	3.18
For 2 Oz Galvanized Coating, Add	1.39	
For 13 Gauge Fabric, Deduct	-2.49	
For 11 Gauge Fabric, Deduct	-1.39	
For 6 Gauge Fabric, Add	4.43	
For 1" Mesh Fabric, Add	4.16	
For 1-3/4" Mesh Fabric, Add	1.66	
For 2-1/8" Mesh Fabric, Deduct	-0.83	
For 2-3/8" Mesh Fabric, Deduct	-1.11	
32 31 13 13-0179 LF 10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	14.22	3.49
For 2 Oz Galvanized Coating, Add	1.80	
For 13 Gauge Fabric, Deduct	-3.24	
For 11 Gauge Fabric, Deduct	-1.80	
For 6 Gauge Fabric, Add	5.76	
For 1" Mesh Fabric, Add	5.40	
For 1-3/4" Mesh Fabric, Add	2.16	
For 2-1/8" Mesh Fabric, Deduct	-1.08	
For 2-3/8" Mesh Fabric, Deduct	-1.44	
32 31 13 13-0180 LF 12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	16.26	3.81
For 2 Oz Galvanized Coating, Add	2.16	
For 13 Gauge Fabric, Deduct	-3.88	
For 11 Gauge Fabric, Deduct	-2.16	
For 6 Gauge Fabric, Add	6.90	
For 1" Mesh Fabric, Add	6.47	
For 1-3/4" Mesh Fabric, Add	2.59	
For 2-1/8" Mesh Fabric, Deduct	-1.29	
For 2-3/8" Mesh Fabric, Deduct	-1.73	



		Exterior Improvements	32
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0181 LF 14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	18.17	4.46
For 2 Oz Galvanized Coating, Add	2.32	
For 13 Gauge Fabric, Deduct	-4.17	
For 11 Gauge Fabric, Deduct	-2.32	
For 6 Gauge Fabric, Add	7.42	
For 1" Mesh Fabric, Add	6.95	
For 1-3/4" Mesh Fabric, Add	2.78	
For 2-1/8" Mesh Fabric, Deduct	-1.39	
For 2-3/8" Mesh Fabric, Deduct	-1.85	
32 31 13 13-0182 LF 16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	20.08	5.09
For 2 Oz Galvanized Coating, Add	2.48	
For 13 Gauge Fabric, Deduct	-4.46	
For 11 Gauge Fabric, Deduct	-2.48	
For 6 Gauge Fabric, Add	7.93	
For 1" Mesh Fabric, Add	7.43	
For 1-3/4" Mesh Fabric, Add	2.97	
For 2-1/8" Mesh Fabric, Deduct	-1.49	
For 2-3/8" Mesh Fabric, Deduct	-1.98	
32 31 13 13-0183 Fabric, Vinyl Coated Chain Link (32 31 13 13-0170)		
32 31 13 13-0184 LF 4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	8.43	1.27
For 13 Gauge Fabric, Deduct	-1.65	
For 11 Gauge Fabric, Deduct	-0.92	
For 6 Gauge Fabric, Add	2.93	
For 1" Mesh Fabric, Add	2.75	
For 1-3/4" Mesh Fabric, Add	1.10	
For 2-1/8" Mesh Fabric, Deduct	-0.55	
For 2-3/8" Mesh Fabric, Deduct	-0.73	
For Aluminum Coated, Add	1.46	
32 31 13 13-0185 LF 5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	9.66	1.91
For 13 Gauge Fabric, Deduct	-2.06	
For 11 Gauge Fabric, Deduct	-1.14	
For 6 Gauge Fabric, Add	3.66	
For 1" Mesh Fabric, Add	3.43	
For 1-3/4" Mesh Fabric, Add	1.37	
For 2-1/8" Mesh Fabric, Deduct	-0.69	
For 2-3/8" Mesh Fabric, Deduct	-0.91	
For Aluminum Coated, Add	1.83	
32 31 13 13-0186 LF 6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	11.86	2.22
For 13 Gauge Fabric, Deduct	-2.88	
For 11 Gauge Fabric, Deduct	-1.60	
For 6 Gauge Fabric, Add	5.13	
For 1" Mesh Fabric, Add	4.81	
For 1-3/4" Mesh Fabric, Add	1.92	
For 2-1/8" Mesh Fabric, Deduct	-0.96	
For 2-3/8" Mesh Fabric, Deduct	-1.28	
For Aluminum Coated, Add	2.56	
32 31 13 13-0187 LF 7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	13.33	2.54
For 13 Gauge Fabric, Deduct	-3.36	
For 11 Gauge Fabric, Deduct	-1.87	
For 6 Gauge Fabric, Add	5.97	
For 1" Mesh Fabric, Add	5.60	
For 1-3/4" Mesh Fabric, Add	2.24	
For 2-1/8" Mesh Fabric, Deduct	-1.12	
For 2-3/8" Mesh Fabric, Deduct	-1.49	
For Aluminum Coated, Add	2.98	
32 31 13 13-0188 LF 8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	14.95	3.18
For 13 Gauge Fabric, Deduct	-3.87	
For 11 Gauge Fabric, Deduct	-2.15	
For 6 Gauge Fabric, Add	6.87	
For 1" Mesh Fabric, Add	6.44	
For 1-3/4" Mesh Fabric, Add	2.58	
For 2-1/8" Mesh Fabric, Deduct	-1.29	
For 2-3/8" Mesh Fabric, Deduct	-1.72	
For Aluminum Coated, Add	3.44	
32 31 13 13-0189 LF 10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	17.72	3.49
For 13 Gauge Fabric, Deduct	-4.82	
For 11 Gauge Fabric, Deduct	-2.68	
For 6 Gauge Fabric, Add	8.56	
For 1" Mesh Fabric, Add	8.03	
For 1-3/4" Mesh Fabric, Add	3.21	
For 2-1/8" Mesh Fabric, Deduct	-1.61	
For 2-3/8" Mesh Fabric, Deduct	-2.14	
For Aluminum Coated, Add	4.28	
32 31 13 13-0190 LF 12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	19.33	3.81
For 13 Gauge Fabric, Deduct	-5.27	
For 11 Gauge Fabric, Deduct	-2.93	
For 6 Gauge Fabric, Add	9.36	
For 1" Mesh Fabric, Add	8.78	
For 1-3/4" Mesh Fabric, Add	3.51	
For 2-1/8" Mesh Fabric, Deduct	-1.76	
For 2-3/8" Mesh Fabric, Deduct	-2.34	
For Aluminum Coated, Add	4.68	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0191 LF 14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	21.78	4.46
For 13 Gauge Fabric, Deduct	-5.80	
For 11 Gauge Fabric, Deduct	-3.22	
For 6 Gauge Fabric, Add	10.30	
For 1" Mesh Fabric, Add	9.66	
For 1-3/4" Mesh Fabric, Add	3.86	
For 2-1/8" Mesh Fabric, Deduct	-1.93	
For 2-3/8" Mesh Fabric, Deduct	-2.58	
For Aluminum Coated, Add	5.15	
32 31 13 13-0192 LF 16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	24.28	5.09
For 13 Gauge Fabric, Deduct	-6.35	
For 11 Gauge Fabric, Deduct	-3.53	
For 6 Gauge Fabric, Add	11.29	
For 1" Mesh Fabric, Add	10.58	
For 1-3/4" Mesh Fabric, Add	4.23	
For 2-1/8" Mesh Fabric, Deduct	-2.12	
For 2-3/8" Mesh Fabric, Deduct	-2.82	
For Aluminum Coated, Add	5.64	
32 31 13 13-0193 Fabric, Aluminized Steel Chain Link (32 31 13 13-0170)		
32 31 13 13-0194 LF 3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	6.21	1.27
For 6 Gauge Fabric, Add	1.66	
For 1" Mesh Fabric, Add	2.18	
32 31 13 13-0195 LF 3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	6.88	1.43
For 6 Gauge Fabric, Add	1.94	
For 1" Mesh Fabric, Add	2.54	
32 31 13 13-0196 LF 4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	7.54	1.59
For 6 Gauge Fabric, Add	2.22	
For 1" Mesh Fabric, Add	2.91	
32 31 13 13-0197 LF 5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	8.55	1.91
For 6 Gauge Fabric, Add	2.77	
For 1" Mesh Fabric, Add	3.63	
32 31 13 13-0198 LF 6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	9.58	2.22
For 6 Gauge Fabric, Add	3.30	
For 1" Mesh Fabric, Add	4.34	
32 31 13 13-0199 LF 7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	10.70	2.54
For 6 Gauge Fabric, Add	3.86	
For 1" Mesh Fabric, Add	5.07	
32 31 13 13-0200 LF 8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	11.88	3.18
For 6 Gauge Fabric, Add	4.42	
For 1" Mesh Fabric, Add	5.80	
32 31 13 13-0201 LF 10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	13.92	3.49
For 6 Gauge Fabric, Add	5.52	
For 1" Mesh Fabric, Add	7.25	
32 31 13 13-0202 LF 12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	15.91	3.81
For 6 Gauge Fabric, Add	6.62	
For 1" Mesh Fabric, Add	8.69	
32 31 13 13-0203 Fabric, All Aluminum Chain Link (32 31 13 13-0170)		
32 31 13 13-0204 LF 3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	9.57	1.27
For 6 Gauge Fabric, Add	4.35	
For 1" Mesh Fabric, Add	5.71	
32 31 13 13-0205 LF 3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	10.80	1.43
For 6 Gauge Fabric, Add	5.07	
For 1" Mesh Fabric, Add	6.66	
32 31 13 13-0206 LF 4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	12.02	1.59
For 6 Gauge Fabric, Add	5.80	
For 1" Mesh Fabric, Add	7.61	
32 31 13 13-0207 LF 5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	14.15	1.91
For 6 Gauge Fabric, Add	7.25	
For 1" Mesh Fabric, Add	9.51	
32 31 13 13-0208 LF 6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	16.33	2.22
For 6 Gauge Fabric, Add	8.70	
For 1" Mesh Fabric, Add	11.42	
32 31 13 13-0209 LF 7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	18.56	2.54
For 6 Gauge Fabric, Add	10.15	
For 1" Mesh Fabric, Add	13.32	
32 31 13 13-0210 LF 8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	20.86	3.18
For 6 Gauge Fabric, Add	11.60	
For 1" Mesh Fabric, Add	15.23	
32 31 13 13-0211 LF 10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	25.14	3.49
For 6 Gauge Fabric, Add	14.50	
For 1" Mesh Fabric, Add	19.03	
32 31 13 13-0212 LF 12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	29.38	3.81
For 6 Gauge Fabric, Add	17.40	
For 1" Mesh Fabric, Add	22.84	
32 31 13 13-0213 Fence Inserts (32 31 13 13-0170)		
Note: For use with new or existing chain link fence, per lf of fence.		
32 31 13 13-0214 Vinyl Plastic Fence Inserts (32 31 13 13-0213)		
Note: Assorted colors.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0215 LF 3' High Fence, Vinyl Plastic Fence Insert.....	4.77	
32 31 13 13-0216 LF 3-1/2' High Fence, Vinyl Plastic Fence Insert	5.45	
32 31 13 13-0217 LF 4' High Fence, Vinyl Plastic Fence Insert.....	6.02	
32 31 13 13-0218 LF 5' High Fence, Vinyl Plastic Fence Insert.....	7.54	
32 31 13 13-0219 LF 6' High Fence, Vinyl Plastic Fence Insert.....	9.04	
32 31 13 13-0220 LF 7' High Fence, Vinyl Plastic Fence Insert.....	10.56	
32 31 13 13-0221 LF 8' High Fence, Vinyl Plastic Fence Insert.....	12.03	
32 31 13 13-0222 LF 10' High Fence, Vinyl Plastic Fence Insert.....	14.37	
32 31 13 13-0223 Aluminum Fence Inserts (32 31 13 13-0213)		
Note: Assorted colors.		
32 31 13 13-0224 LF 3' High Fence, Aluminum Fence Insert.....	10.70	
32 31 13 13-0225 LF 3-1/2' High Fence, Aluminum Fence Insert.....	11.82	
32 31 13 13-0226 LF 4' High Fence, Aluminum Fence Insert.....	13.75	
32 31 13 13-0227 LF 5' High Fence, Aluminum Fence Insert.....	17.23	
32 31 13 13-0228 LF 6' High Fence, Aluminum Fence Insert.....	20.66	
32 31 13 13-0229 LF 7' High Fence, Aluminum Fence Insert.....	22.83	
32 31 13 13-0230 LF 8' High Fence, Aluminum Fence Insert.....	27.54	
32 31 13 13-0231 LF 10' High Fence, Aluminum Fence Insert.....	33.74	
32 31 13 13-0232 Redwood Fence Inserts (32 31 13 13-0213)		
32 31 13 13-0233 LF 4' High Fence, Redwood Fence Insert.....	9.44	
32 31 13 13-0234 LF 5' High Fence, Redwood Fence Insert.....	11.93	
32 31 13 13-0235 LF 6' High Fence, Redwood Fence Insert.....	14.32	
32 31 13 13-0236 LF 7' High Fence, Redwood Fence Insert.....	16.68	
32 31 13 13-0237 LF 8' High Fence, Redwood Fence Insert.....	19.08	
32 31 13 13-0238 Diagonal Flexible Polyethylene Inserts (32 31 13 13-0213)		
32 31 13 13-0239 SF Diagonal Polyethylene Fence Weave	2.05	
32 31 13 13-0240 Hedge Link Fence Inserts (32 31 13 13-0213)		
32 31 13 13-0241 LF 3' High Fence, Hedge Link Fence Insert.....	10.84	
32 31 13 13-0242 LF 3-1/2' High Fence, Hedge Link Fence Insert.....	12.35	
32 31 13 13-0243 LF 4' High Fence, Hedge Link Fence Insert.....	14.52	
32 31 13 13-0244 LF 5' High Fence, Hedge Link Fence Insert.....	17.93	
32 31 13 13-0245 LF 6' High Fence, Hedge Link Fence Insert.....	20.54	
32 31 13 13-0246 LF 7' High Fence, Hedge Link Fence Insert.....	25.87	
32 31 13 13-0247 LF 8' High Fence, Hedge Link Fence Insert.....	29.38	
32 31 13 13-0248 LF 10' High Fence, Hedge Link Fence Insert.....	35.07	
32 31 13 13-0249 LF 12' High Fence, Hedge Link Fence Insert.....	40.20	
32 31 13 13-0250 Fence Windscreen Fabric (32 31 13 13-0170)		
Note: Includes plastic wire clips.		
32 31 13 13-0251 SF Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY.....	1.51	
For Sewn Boxed Vent (Each), Add	14.08	
For Welded Boxed Vent (Each), Add	7.04	
For 4' x 4' One Color Logo (Each), Add	293.40	
32 31 13 13-0252 Non-Climbable Fabric, Galvanized Chain Link (32 31 13 13-0170)		
32 31 13 13-0253 LF 3' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	16.59	1.27
For 11 Gauge, Deduct	-2.49	
For 10 Gauge, Deduct	-1.00	
For 7 Gauge, Add	1.50	
For 6 Gauge, Add	3.49	
For 1/2" Mesh Fabric, Deduct	-0.62	
For 5/8" Mesh Fabric, Deduct	-1.37	
For 3/4" Mesh Fabric, Deduct	-1.99	
32 31 13 13-0254 LF 3'-6" Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	18.99	1.43
For 11 Gauge, Deduct	-2.91	
For 10 Gauge, Deduct	-1.16	
For 7 Gauge, Add	1.74	
For 6 Gauge, Add	4.07	
For 1/2" Mesh Fabric, Deduct	-0.73	
For 5/8" Mesh Fabric, Deduct	-1.60	
For 3/4" Mesh Fabric, Deduct	-2.32	
32 31 13 13-0255 LF 4' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	21.39	1.59
For 11 Gauge, Deduct	-3.32	
For 10 Gauge, Deduct	-1.33	
For 7 Gauge, Add	1.99	
For 6 Gauge, Add	4.65	
For 1/2" Mesh Fabric, Deduct	-0.83	
For 5/8" Mesh Fabric, Deduct	-1.83	
For 3/4" Mesh Fabric, Deduct	-2.66	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0256 LF 5' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	25.86	1.91
For 11 Gauge, Deduct	-4.15	
For 10 Gauge, Deduct	-1.66	
For 7 Gauge, Add	2.49	
For 6 Gauge, Add	5.82	
For 1/2" Mesh Fabric, Deduct	-1.04	
For 5/8" Mesh Fabric, Deduct	-2.28	
For 3/4" Mesh Fabric, Deduct	-3.32	
32 31 13 13-0257 LF 6' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	30.36	2.22
For 11 Gauge, Deduct	-4.98	
For 10 Gauge, Deduct	-1.99	
For 7 Gauge, Add	2.99	
For 6 Gauge, Add	6.97	
For 1/2" Mesh Fabric, Deduct	-1.25	
For 5/8" Mesh Fabric, Deduct	-2.74	
For 3/4" Mesh Fabric, Deduct	-3.99	
32 31 13 13-0258 LF 7' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	34.94	2.54
For 11 Gauge, Deduct	-5.81	
For 10 Gauge, Deduct	-2.33	
For 7 Gauge, Add	3.49	
For 6 Gauge, Add	8.14	
For 1/2" Mesh Fabric, Deduct	-1.45	
For 5/8" Mesh Fabric, Deduct	-3.20	
For 3/4" Mesh Fabric, Deduct	-4.65	
32 31 13 13-0259 LF 8' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	39.58	3.18
For 11 Gauge, Deduct	-6.64	
For 10 Gauge, Deduct	-2.66	
For 7 Gauge, Add	3.99	
For 6 Gauge, Add	9.30	
For 1/2" Mesh Fabric, Deduct	-1.66	
For 5/8" Mesh Fabric, Deduct	-3.65	
For 3/4" Mesh Fabric, Deduct	-5.32	
32 31 13 13-0260 LF 9' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	43.66	3.33
For 11 Gauge, Deduct	-7.40	
For 10 Gauge, Deduct	-2.96	
For 7 Gauge, Add	4.44	
For 6 Gauge, Add	10.35	
For 1/2" Mesh Fabric, Deduct	-1.85	
For 5/8" Mesh Fabric, Deduct	-4.07	
For 3/4" Mesh Fabric, Deduct	-5.92	
32 31 13 13-0261 LF 10' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	47.76	3.49
For 11 Gauge, Deduct	-8.15	
For 10 Gauge, Deduct	-3.26	
For 7 Gauge, Add	4.89	
For 6 Gauge, Add	11.41	
For 1/2" Mesh Fabric, Deduct	-2.04	
For 5/8" Mesh Fabric, Deduct	-4.48	
For 3/4" Mesh Fabric, Deduct	-6.52	
32 31 13 13-0262 LF 12' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	51.79	3.81
For 11 Gauge, Deduct	-8.83	
For 10 Gauge, Deduct	-3.53	
For 7 Gauge, Add	5.30	
For 6 Gauge, Add	12.36	
For 1/2" Mesh Fabric, Deduct	-2.21	
For 5/8" Mesh Fabric, Deduct	-4.86	
For 3/4" Mesh Fabric, Deduct	-7.07	
32 31 13 13-0263 Gates <small>(32 31 13 13)</small>		
Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0264 Galvanized Steel Without Barbed Wire <small>(32 31 13 13-0263)</small>		
Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 13-0265 4' Fence Height <small>(32 31 13 13-0264)</small>		
32 31 13 13-0266 EA 3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	151.10	14.34
For Gate With Single Barb Wire Arm, Add	11.69	
For Gate With Double Barb Wire Arm, Add	17.00	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-19.93	
For Aluminized Steel Gate And Post, Add	51.01	
For Powder Coated Gate And Post, Add	27.63	
32 31 13 13-0267 EA 4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	186.53	14.94
For Gate With Single Barb Wire Arm, Add	15.59	
For Gate With Double Barb Wire Arm, Add	22.67	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-26.57	
For Aluminized Steel Gate And Post, Add	68.02	
For Powder Coated Gate And Post, Add	36.84	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0268 EA 5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	218.90	15.90
For Gate With Single Barb Wire Arm, Add	18.82	
For Gate With Double Barb Wire Arm, Add	27.37	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-32.08	
For Aluminized Steel Gate And Post, Add	82.12	
For Powder Coated Gate And Post, Add	44.48	
32 31 13 13-0269 EA 6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	257.85	19.12
For Gate With Single Barb Wire Arm, Add	22.05	
For Gate With Double Barb Wire Arm, Add	32.08	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-37.59	
For Aluminized Steel Gate And Post, Add	96.23	
For Powder Coated Gate And Post, Add	52.12	
32 31 13 13-0270 EA 7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	296.79	22.29
For Gate With Single Barb Wire Arm, Add	25.28	
For Gate With Double Barb Wire Arm, Add	36.78	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-43.10	
For Aluminized Steel Gate And Post, Add	110.33	
For Powder Coated Gate And Post, Add	59.76	
32 31 13 13-0271 EA 8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	336.94	25.46
For Gate With Single Barb Wire Arm, Add	28.65	
For Gate With Double Barb Wire Arm, Add	41.67	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-48.83	
For Aluminized Steel Gate And Post, Add	125.01	
For Powder Coated Gate And Post, Add	67.71	
32 31 13 13-0272 EA 9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	375.87	28.69
For Gate With Single Barb Wire Arm, Add	31.88	
For Gate With Double Barb Wire Arm, Add	46.37	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-54.34	
For Aluminized Steel Gate And Post, Add	139.11	
For Powder Coated Gate And Post, Add	75.35	
32 31 13 13-0273 EA 10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	415.33	31.86
For Gate With Single Barb Wire Arm, Add	35.17	
For Gate With Double Barb Wire Arm, Add	51.16	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-59.95	
For Aluminized Steel Gate And Post, Add	153.47	
For Powder Coated Gate And Post, Add	83.13	
32 31 13 13-0274 EA 10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	520.75	31.86
For Gate With Single Barb Wire Arm, Add	46.77	
For Gate With Double Barb Wire Arm, Add	68.02	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-79.71	
For Aluminized Steel Gate And Post, Add	204.07	
For Powder Coated Gate And Post, Add	110.54	
32 31 13 13-0275 EA 12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	612.61	34.12
For Gate With Single Barb Wire Arm, Add	56.12	
For Gate With Double Barb Wire Arm, Add	81.63	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-95.66	
For Aluminized Steel Gate And Post, Add	244.88	
For Powder Coated Gate And Post, Add	132.64	
32 31 13 13-0276 EA 14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	705.52	36.75
For Gate With Single Barb Wire Arm, Add	65.47	
For Gate With Double Barb Wire Arm, Add	95.23	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-111.60	
For Aluminized Steel Gate And Post, Add	285.69	
For Powder Coated Gate And Post, Add	154.75	
32 31 13 13-0277 EA 16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	799.74	39.81
For Gate With Single Barb Wire Arm, Add	74.82	
For Gate With Double Barb Wire Arm, Add	108.84	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-127.54	
For Aluminized Steel Gate And Post, Add	326.51	
For Powder Coated Gate And Post, Add	176.86	
32 31 13 13-0278 EA 18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	919.44	51.31
For Gate With Single Barb Wire Arm, Add	84.18	
For Gate With Double Barb Wire Arm, Add	122.44	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-143.48	
For Aluminized Steel Gate And Post, Add	367.32	
For Powder Coated Gate And Post, Add	198.97	
32 31 13 13-0279 EA 20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,015.47	55.00
For Gate With Single Barb Wire Arm, Add	93.53	
For Gate With Double Barb Wire Arm, Add	136.04	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-159.43	
For Aluminized Steel Gate And Post, Add	408.13	
For Powder Coated Gate And Post, Add	221.07	
32 31 13 13-0280 EA 22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,111.14	59.26
For Gate With Single Barb Wire Arm, Add	102.66	
For Gate With Double Barb Wire Arm, Add	149.32	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-174.98	
For Aluminized Steel Gate And Post, Add	447.95	
For Powder Coated Gate And Post, Add	242.64	
32 31 13 13-0281 EA 24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,208.91	64.18
For Gate With Single Barb Wire Arm, Add	111.78	
For Gate With Double Barb Wire Arm, Add	162.59	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-190.53	
For Aluminized Steel Gate And Post, Add	487.77	
For Powder Coated Gate And Post, Add	264.21	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0282 EA 26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,309.39	70.03
For Gate With Single Barb Wire Arm, Add	120.91	
For Gate With Double Barb Wire Arm, Add	175.86	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-206.09	
For Aluminized Steel Gate And Post, Add	527.59	
For Powder Coated Gate And Post, Add	285.78	
32 31 13 13-0283 EA 28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,382.25	77.05
For Gate With Single Barb Wire Arm, Add	126.61	
For Gate With Double Barb Wire Arm, Add	184.16	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-215.81	
For Aluminized Steel Gate And Post, Add	552.47	
For Powder Coated Gate And Post, Add	299.25	
32 31 13 13-0284 EA 30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,532.38	85.57
For Gate With Single Barb Wire Arm, Add	140.30	
For Gate With Double Barb Wire Arm, Add	204.07	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-239.14	
For Aluminized Steel Gate And Post, Add	612.20	
For Powder Coated Gate And Post, Add	331.61	
32 31 13 13-0285 5' Fence Height <small>(32 31 13 13-0264)</small>		
32 31 13 13-0286 EA 3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	179.15	15.90
For Gate With Single Barb Wire Arm, Add	14.45	
For Gate With Double Barb Wire Arm, Add	21.01	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-24.63	
For Aluminized Steel Gate And Post, Add	63.04	
For Powder Coated Gate And Post, Add	34.15	
32 31 13 13-0287 EA 4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	222.36	15.90
For Gate With Single Barb Wire Arm, Add	19.20	
For Gate With Double Barb Wire Arm, Add	27.93	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-32.73	
For Aluminized Steel Gate And Post, Add	83.78	
For Powder Coated Gate And Post, Add	45.38	
32 31 13 13-0288 EA 5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	258.19	16.92
For Gate With Single Barb Wire Arm, Add	22.81	
For Gate With Double Barb Wire Arm, Add	33.18	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-38.88	
For Aluminized Steel Gate And Post, Add	99.54	
For Powder Coated Gate And Post, Add	53.92	
32 31 13 13-0289 EA 6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	302.92	20.32
For Gate With Single Barb Wire Arm, Add	26.61	
For Gate With Double Barb Wire Arm, Add	38.71	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-45.37	
For Aluminized Steel Gate And Post, Add	116.14	
For Powder Coated Gate And Post, Add	62.91	
32 31 13 13-0290 EA 7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	344.17	23.67
For Gate With Single Barb Wire Arm, Add	30.04	
For Gate With Double Barb Wire Arm, Add	43.69	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-51.20	
For Aluminized Steel Gate And Post, Add	131.07	
For Powder Coated Gate And Post, Add	71.00	
32 31 13 13-0291 EA 8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	389.50	27.25
For Gate With Single Barb Wire Arm, Add	33.84	
For Gate With Double Barb Wire Arm, Add	49.22	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-57.68	
For Aluminized Steel Gate And Post, Add	147.66	
For Powder Coated Gate And Post, Add	79.98	
32 31 13 13-0292 EA 9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	432.49	30.66
For Gate With Single Barb Wire Arm, Add	37.45	
For Gate With Double Barb Wire Arm, Add	54.47	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-63.84	
For Aluminized Steel Gate And Post, Add	163.42	
For Powder Coated Gate And Post, Add	88.52	
32 31 13 13-0293 EA 10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	475.48	34.01
For Gate With Single Barb Wire Arm, Add	41.06	
For Gate With Double Barb Wire Arm, Add	59.73	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-69.99	
For Aluminized Steel Gate And Post, Add	179.18	
For Powder Coated Gate And Post, Add	97.06	
32 31 13 13-0294 EA 10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	629.21	34.12
For Gate With Single Barb Wire Arm, Add	57.94	
For Gate With Double Barb Wire Arm, Add	84.28	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-98.77	
For Aluminized Steel Gate And Post, Add	252.84	
For Powder Coated Gate And Post, Add	136.96	
32 31 13 13-0295 EA 12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	742.85	36.75
For Gate With Single Barb Wire Arm, Add	69.58	
For Gate With Double Barb Wire Arm, Add	101.20	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-118.60	
For Aluminized Steel Gate And Post, Add	303.61	
For Powder Coated Gate And Post, Add	164.46	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0296 EA 14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	857.81	39.81
For Gate With Single Barb Wire Arm, Add	81.21	
For Gate With Double Barb Wire Arm, Add	118.13	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-138.43	
For Aluminized Steel Gate And Post, Add	354.38	
For Powder Coated Gate And Post, Add	191.96	
32 31 13 13-0297 EA 16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	998.24	51.31
For Gate With Single Barb Wire Arm, Add	92.85	
For Gate With Double Barb Wire Arm, Add	135.05	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-158.26	
For Aluminized Steel Gate And Post, Add	405.14	
For Powder Coated Gate And Post, Add	219.45	
32 31 13 13-0298 EA 18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,112.94	55.00
For Gate With Single Barb Wire Arm, Add	104.25	
For Gate With Double Barb Wire Arm, Add	151.64	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-177.70	
For Aluminized Steel Gate And Post, Add	454.92	
For Powder Coated Gate And Post, Add	246.41	
32 31 13 13-0299 EA 20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,233.49	59.26
For Gate With Single Barb Wire Arm, Add	116.11	
For Gate With Double Barb Wire Arm, Add	168.89	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-197.92	
For Aluminized Steel Gate And Post, Add	506.68	
For Powder Coated Gate And Post, Add	274.45	
32 31 13 13-0300 EA 22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,354.08	64.18
For Gate With Single Barb Wire Arm, Add	127.75	
For Gate With Double Barb Wire Arm, Add	185.82	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-217.75	
For Aluminized Steel Gate And Post, Add	557.45	
For Powder Coated Gate And Post, Add	301.95	
32 31 13 13-0301 EA 24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,475.29	70.03
For Gate With Single Barb Wire Arm, Add	139.15	
For Gate With Double Barb Wire Arm, Add	202.41	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-237.20	
For Aluminized Steel Gate And Post, Add	607.22	
For Powder Coated Gate And Post, Add	328.91	
32 31 13 13-0302 EA 26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,604.15	77.05
For Gate With Single Barb Wire Arm, Add	151.02	
For Gate With Double Barb Wire Arm, Add	219.66	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-257.42	
For Aluminized Steel Gate And Post, Add	658.98	
For Powder Coated Gate And Post, Add	356.95	
32 31 13 13-0303 EA 28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,734.31	85.57
For Gate With Single Barb Wire Arm, Add	162.51	
For Gate With Double Barb Wire Arm, Add	236.37	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-277.00	
For Aluminized Steel Gate And Post, Add	709.12	
For Powder Coated Gate And Post, Add	384.11	
32 31 13 13-0304 EA 30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,869.37	96.26
For Gate With Single Barb Wire Arm, Add	173.83	
For Gate With Double Barb Wire Arm, Add	252.84	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-296.30	
For Aluminized Steel Gate And Post, Add	758.53	
For Powder Coated Gate And Post, Add	410.87	
32 31 13 13-0305 6' Fence Height <small>(32 31 13 13-0264)</small>		
32 31 13 13-0306 EA 3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	192.07	17.03
For Gate With Single Barb Wire Arm, Add	15.49	
For Gate With Double Barb Wire Arm, Add	22.54	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-26.41	
For Aluminized Steel Gate And Post, Add	67.61	
For Powder Coated Gate And Post, Add	36.62	
32 31 13 13-0307 EA 4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	238.73	17.03
For Gate With Single Barb Wire Arm, Add	20.63	
For Gate With Double Barb Wire Arm, Add	30.00	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-35.16	
For Aluminized Steel Gate And Post, Add	90.00	
For Powder Coated Gate And Post, Add	48.75	
32 31 13 13-0308 EA 5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	277.59	18.11
For Gate With Single Barb Wire Arm, Add	24.55	
For Gate With Double Barb Wire Arm, Add	35.71	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-41.85	
For Aluminized Steel Gate And Post, Add	107.14	
For Powder Coated Gate And Post, Add	58.03	
32 31 13 13-0309 EA 6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	323.24	21.87
For Gate With Single Barb Wire Arm, Add	28.33	
For Gate With Double Barb Wire Arm, Add	41.20	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-48.28	
For Aluminized Steel Gate And Post, Add	123.60	
For Powder Coated Gate And Post, Add	66.95	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0310 EA 7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	370.87	25.70
For Gate With Single Barb Wire Arm, Add	32.32	
For Gate With Double Barb Wire Arm, Add	47.01	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-55.09	
For Aluminized Steel Gate And Post, Add	141.02	
For Powder Coated Gate And Post, Add	76.39	
32 31 13 13-0311 EA 8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	416.21	29.28
For Gate With Single Barb Wire Arm, Add	36.12	
For Gate With Double Barb Wire Arm, Add	52.54	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-61.57	
For Aluminized Steel Gate And Post, Add	157.61	
For Powder Coated Gate And Post, Add	85.37	
32 31 13 13-0312 EA 9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	462.13	33.05
For Gate With Single Barb Wire Arm, Add	39.92	
For Gate With Double Barb Wire Arm, Add	58.07	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-68.05	
For Aluminized Steel Gate And Post, Add	174.20	
For Powder Coated Gate And Post, Add	94.36	
32 31 13 13-0313 EA 10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	492.48	36.81
For Gate With Single Barb Wire Arm, Add	42.01	
For Gate With Double Barb Wire Arm, Add	61.11	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-71.61	
For Aluminized Steel Gate And Post, Add	183.33	
For Powder Coated Gate And Post, Add	99.30	
32 31 13 13-0314 EA 10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	672.34	36.75
For Gate With Single Barb Wire Arm, Add	61.82	
For Gate With Double Barb Wire Arm, Add	89.92	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-105.38	
For Aluminized Steel Gate And Post, Add	269.76	
For Powder Coated Gate And Post, Add	146.12	
32 31 13 13-0315 EA 12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	793.52	39.81
For Gate With Single Barb Wire Arm, Add	74.14	
For Gate With Double Barb Wire Arm, Add	107.84	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-126.38	
For Aluminized Steel Gate And Post, Add	323.52	
For Powder Coated Gate And Post, Add	175.24	
32 31 13 13-0316 EA 14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	953.26	55.00
For Gate With Single Barb Wire Arm, Add	86.69	
For Gate With Double Barb Wire Arm, Add	126.09	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-147.76	
For Aluminized Steel Gate And Post, Add	378.27	
For Powder Coated Gate And Post, Add	204.90	
32 31 13 13-0317 EA 16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,077.96	59.26
For Gate With Single Barb Wire Arm, Add	99.01	
For Gate With Double Barb Wire Arm, Add	144.01	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-168.76	
For Aluminized Steel Gate And Post, Add	432.02	
For Powder Coated Gate And Post, Add	234.01	
32 31 13 13-0318 EA 18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,206.84	64.18
For Gate With Single Barb Wire Arm, Add	111.55	
For Gate With Double Barb Wire Arm, Add	162.26	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-190.15	
For Aluminized Steel Gate And Post, Add	486.77	
For Powder Coated Gate And Post, Add	263.67	
32 31 13 13-0319 EA 20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,338.42	70.03
For Gate With Single Barb Wire Arm, Add	124.10	
For Gate With Double Barb Wire Arm, Add	180.51	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-211.53	
For Aluminized Steel Gate And Post, Add	541.52	
For Powder Coated Gate And Post, Add	293.32	
32 31 13 13-0320 EA 22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,471.43	77.05
For Gate With Single Barb Wire Arm, Add	136.42	
For Gate With Double Barb Wire Arm, Add	198.43	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-232.53	
For Aluminized Steel Gate And Post, Add	595.28	
For Powder Coated Gate And Post, Add	322.44	
32 31 13 13-0321 EA 24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,610.15	85.57
For Gate With Single Barb Wire Arm, Add	148.85	
For Gate With Double Barb Wire Arm, Add	216.51	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-253.72	
For Aluminized Steel Gate And Post, Add	649.53	
For Powder Coated Gate And Post, Add	351.83	
32 31 13 13-0322 EA 26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,754.06	96.26
For Gate With Single Barb Wire Arm, Add	161.15	
For Gate With Double Barb Wire Arm, Add	234.39	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-274.68	
For Aluminized Steel Gate And Post, Add	703.18	
For Powder Coated Gate And Post, Add	380.89	
32 31 13 13-0323 EA 28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,908.58	110.00
For Gate With Single Barb Wire Arm, Add	173.60	
For Gate With Double Barb Wire Arm, Add	252.51	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-295.91	
For Aluminized Steel Gate And Post, Add	757.53	
For Powder Coated Gate And Post, Add	410.33	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0324 EA 30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,077.09	128.36
For Gate With Single Barb Wire Arm, Add	186.08	
For Gate With Double Barb Wire Arm, Add	270.66	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-317.18	
For Aluminized Steel Gate And Post, Add	811.98	
For Powder Coated Gate And Post, Add	439.82	
32 31 13 13-0325 7' Fence Height <small>(32 31 13 13-0264)</small>		
32 31 13 13-0326 EA 3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	202.07	18.35
For Gate With Single Barb Wire Arm, Add	16.16	
For Gate With Double Barb Wire Arm, Add	23.50	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-27.54	
For Aluminized Steel Gate And Post, Add	70.51	
For Powder Coated Gate And Post, Add	38.19	
32 31 13 13-0327 EA 4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	250.46	18.35
For Gate With Single Barb Wire Arm, Add	21.48	
For Gate With Double Barb Wire Arm, Add	31.25	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-36.62	
For Aluminized Steel Gate And Post, Add	93.74	
For Powder Coated Gate And Post, Add	50.78	
32 31 13 13-0328 EA 5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	292.45	19.31
For Gate With Single Barb Wire Arm, Add	25.79	
For Gate With Double Barb Wire Arm, Add	37.52	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-43.97	
For Aluminized Steel Gate And Post, Add	112.55	
For Powder Coated Gate And Post, Add	60.96	
32 31 13 13-0329 EA 6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	358.23	23.48
For Gate With Single Barb Wire Arm, Add	31.65	
For Gate With Double Barb Wire Arm, Add	46.03	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-53.95	
For Aluminized Steel Gate And Post, Add	138.10	
For Powder Coated Gate And Post, Add	74.80	
32 31 13 13-0330 EA 7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	423.43	27.49
For Gate With Single Barb Wire Arm, Add	37.51	
For Gate With Double Barb Wire Arm, Add	54.55	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-63.93	
For Aluminized Steel Gate And Post, Add	163.66	
For Powder Coated Gate And Post, Add	88.65	
32 31 13 13-0331 EA 8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	489.21	31.62
For Gate With Single Barb Wire Arm, Add	43.36	
For Gate With Double Barb Wire Arm, Add	63.07	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-73.91	
For Aluminized Steel Gate And Post, Add	189.21	
For Powder Coated Gate And Post, Add	102.49	
32 31 13 13-0332 EA 9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	554.40	35.62
For Gate With Single Barb Wire Arm, Add	49.22	
For Gate With Double Barb Wire Arm, Add	71.59	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-83.89	
For Aluminized Steel Gate And Post, Add	214.77	
For Powder Coated Gate And Post, Add	116.33	
32 31 13 13-0333 EA 10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	610.59	39.81
For Gate With Single Barb Wire Arm, Add	54.02	
For Gate With Double Barb Wire Arm, Add	78.57	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-92.08	
For Aluminized Steel Gate And Post, Add	235.71	
For Powder Coated Gate And Post, Add	127.68	
32 31 13 13-0334 EA 10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	764.11	39.81
For Gate With Single Barb Wire Arm, Add	70.90	
For Gate With Double Barb Wire Arm, Add	103.13	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-120.86	
For Aluminized Steel Gate And Post, Add	309.40	
For Powder Coated Gate And Post, Add	167.59	
32 31 13 13-0335 EA 12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	881.93	55.00
For Gate With Single Barb Wire Arm, Add	78.84	
For Gate With Double Barb Wire Arm, Add	114.68	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-134.39	
For Aluminized Steel Gate And Post, Add	344.03	
For Powder Coated Gate And Post, Add	186.35	
32 31 13 13-0336 EA 14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,014.10	59.26
For Gate With Single Barb Wire Arm, Add	91.98	
For Gate With Double Barb Wire Arm, Add	133.79	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-156.79	
For Aluminized Steel Gate And Post, Add	401.37	
For Powder Coated Gate And Post, Add	217.41	
32 31 13 13-0337 EA 16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,138.40	64.18
For Gate With Single Barb Wire Arm, Add	104.02	
For Gate With Double Barb Wire Arm, Add	151.31	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-177.31	
For Aluminized Steel Gate And Post, Add	453.92	
For Powder Coated Gate And Post, Add	245.87	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0338 EA 18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,276.20	70.03
<i>For Gate With Single Barb Wire Arm, Add</i>	117.25	
<i>For Gate With Double Barb Wire Arm, Add</i>	170.55	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-199.87	
<i>For Aluminized Steel Gate And Post, Add</i>	511.66	
<i>For Powder Coated Gate And Post, Add</i>	277.15	
32 31 13 13-0339 EA 20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,415.43	77.05
<i>For Gate With Single Barb Wire Arm, Add</i>	130.26	
<i>For Gate With Double Barb Wire Arm, Add</i>	189.47	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-222.03	
<i>For Aluminized Steel Gate And Post, Add</i>	568.40	
<i>For Powder Coated Gate And Post, Add</i>	307.88	
32 31 13 13-0340 EA 22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,559.34	85.57
<i>For Gate With Single Barb Wire Arm, Add</i>	143.26	
<i>For Gate With Double Barb Wire Arm, Add</i>	208.38	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-244.19	
<i>For Aluminized Steel Gate And Post, Add</i>	625.14	
<i>For Powder Coated Gate And Post, Add</i>	338.62	
32 31 13 13-0341 EA 24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,709.68	96.26
<i>For Gate With Single Barb Wire Arm, Add</i>	156.26	
<i>For Gate With Double Barb Wire Arm, Add</i>	227.29	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-266.36	
<i>For Aluminized Steel Gate And Post, Add</i>	681.88	
<i>For Powder Coated Gate And Post, Add</i>	369.35	
32 31 13 13-0342 EA 26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,869.18	110.00
<i>For Gate With Single Barb Wire Arm, Add</i>	169.27	
<i>For Gate With Double Barb Wire Arm, Add</i>	246.21	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-288.52	
<i>For Aluminized Steel Gate And Post, Add</i>	738.62	
<i>For Powder Coated Gate And Post, Add</i>	400.09	
32 31 13 13-0343 EA 28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,042.46	128.36
<i>For Gate With Single Barb Wire Arm, Add</i>	182.27	
<i>For Gate With Double Barb Wire Arm, Add</i>	265.12	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-310.69	
<i>For Aluminized Steel Gate And Post, Add</i>	795.36	
<i>For Powder Coated Gate And Post, Add</i>	430.82	
32 31 13 13-0344 EA 30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,237.76	154.02
<i>For Gate With Single Barb Wire Arm, Add</i>	195.27	
<i>For Gate With Double Barb Wire Arm, Add</i>	284.03	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-332.85	
<i>For Aluminized Steel Gate And Post, Add</i>	852.10	
<i>For Powder Coated Gate And Post, Add</i>	461.55	
32 31 13 13-0345 8' Fence Height <small>(32 31 13 13-0264)</small>		
32 31 13 13-0346 EA 3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	235.21	19.90
<i>For Gate With Single Barb Wire Arm, Add</i>	19.30	
<i>For Gate With Double Barb Wire Arm, Add</i>	28.07	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-32.90	
<i>For Aluminized Steel Gate And Post, Add</i>	84.21	
<i>For Powder Coated Gate And Post, Add</i>	45.61	
32 31 13 13-0347 EA 4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	293.69	19.90
<i>For Gate With Single Barb Wire Arm, Add</i>	25.73	
<i>For Gate With Double Barb Wire Arm, Add</i>	37.43	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-43.86	
<i>For Aluminized Steel Gate And Post, Add</i>	112.28	
<i>For Powder Coated Gate And Post, Add</i>	60.82	
32 31 13 13-0348 EA 5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	341.75	22.17
<i>For Gate With Single Barb Wire Arm, Add</i>	30.26	
<i>For Gate With Double Barb Wire Arm, Add</i>	44.02	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-51.58	
<i>For Aluminized Steel Gate And Post, Add</i>	132.05	
<i>For Powder Coated Gate And Post, Add</i>	71.53	
32 31 13 13-0349 EA 6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	391.61	25.10
<i>For Gate With Single Barb Wire Arm, Add</i>	34.79	
<i>For Gate With Double Barb Wire Arm, Add</i>	50.61	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-59.31	
<i>For Aluminized Steel Gate And Post, Add</i>	151.83	
<i>For Powder Coated Gate And Post, Add</i>	82.24	
32 31 13 13-0350 EA 7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	448.34	30.24
<i>For Gate With Single Barb Wire Arm, Add</i>	39.33	
<i>For Gate With Double Barb Wire Arm, Add</i>	57.20	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-67.03	
<i>For Aluminized Steel Gate And Post, Add</i>	171.60	
<i>For Powder Coated Gate And Post, Add</i>	92.95	
32 31 13 13-0351 EA 8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	504.49	35.20
<i>For Gate With Single Barb Wire Arm, Add</i>	43.86	
<i>For Gate With Double Barb Wire Arm, Add</i>	63.79	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-74.76	
<i>For Aluminized Steel Gate And Post, Add</i>	191.38	
<i>For Powder Coated Gate And Post, Add</i>	103.66	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0352 EA 9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	561.23	40.40
For Gate With Single Barb Wire Arm, Add	48.39	
For Gate With Double Barb Wire Arm, Add	70.39	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-82.48	
For Aluminized Steel Gate And Post, Add	211.16	
For Powder Coated Gate And Post, Add	114.38	
32 31 13 13-0353 EA 10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	617.96	45.59
For Gate With Single Barb Wire Arm, Add	52.92	
For Gate With Double Barb Wire Arm, Add	76.98	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-90.21	
For Aluminized Steel Gate And Post, Add	230.93	
For Powder Coated Gate And Post, Add	125.09	
32 31 13 13-0354 EA 10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	886.88	55.00
For Gate With Single Barb Wire Arm, Add	79.38	
For Gate With Double Barb Wire Arm, Add	115.47	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-135.32	
For Aluminized Steel Gate And Post, Add	346.41	
For Powder Coated Gate And Post, Add	187.64	
32 31 13 13-0355 EA 12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,038.55	59.26
For Gate With Single Barb Wire Arm, Add	94.67	
For Gate With Double Barb Wire Arm, Add	137.70	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-161.37	
For Aluminized Steel Gate And Post, Add	413.11	
For Powder Coated Gate And Post, Add	223.77	
32 31 13 13-0356 EA 14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,194.39	64.18
For Gate With Single Barb Wire Arm, Add	110.18	
For Gate With Double Barb Wire Arm, Add	160.27	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-187.81	
For Aluminized Steel Gate And Post, Add	480.80	
For Powder Coated Gate And Post, Add	260.43	
32 31 13 13-0357 EA 16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,357.08	70.03
For Gate With Single Barb Wire Arm, Add	126.15	
For Gate With Double Barb Wire Arm, Add	183.49	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-215.03	
For Aluminized Steel Gate And Post, Add	550.48	
For Powder Coated Gate And Post, Add	298.18	
32 31 13 13-0358 EA 18' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,523.27	77.05
For Gate With Single Barb Wire Arm, Add	142.12	
For Gate With Double Barb Wire Arm, Add	206.72	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-242.25	
For Aluminized Steel Gate And Post, Add	620.16	
For Powder Coated Gate And Post, Add	335.92	
32 31 13 13-0359 EA 20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,692.07	85.57
For Gate With Single Barb Wire Arm, Add	157.86	
For Gate With Double Barb Wire Arm, Add	229.62	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-269.08	
For Aluminized Steel Gate And Post, Add	688.85	
For Powder Coated Gate And Post, Add	373.13	
32 31 13 13-0360 EA 22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,865.22	96.26
For Gate With Single Barb Wire Arm, Add	173.37	
For Gate With Double Barb Wire Arm, Add	252.18	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-295.52	
For Aluminized Steel Gate And Post, Add	756.54	
For Powder Coated Gate And Post, Add	409.79	
32 31 13 13-0361 EA 24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,051.68	110.00
For Gate With Single Barb Wire Arm, Add	189.34	
For Gate With Double Barb Wire Arm, Add	275.41	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-322.74	
For Aluminized Steel Gate And Post, Add	826.22	
For Powder Coated Gate And Post, Add	447.54	
32 31 13 13-0362 EA 26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,251.92	128.36
For Gate With Single Barb Wire Arm, Add	205.31	
For Gate With Double Barb Wire Arm, Add	298.63	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-349.96	
For Aluminized Steel Gate And Post, Add	895.90	
For Powder Coated Gate And Post, Add	485.28	
32 31 13 13-0363 EA 28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,472.10	154.02
For Gate With Single Barb Wire Arm, Add	221.05	
For Gate With Double Barb Wire Arm, Add	321.53	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-376.79	
For Aluminized Steel Gate And Post, Add	964.58	
For Powder Coated Gate And Post, Add	522.48	
32 31 13 13-0364 EA 30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,730.84	192.54
For Gate With Single Barb Wire Arm, Add	236.79	
For Gate With Double Barb Wire Arm, Add	344.42	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-403.62	
For Aluminized Steel Gate And Post, Add	1,033.27	
For Powder Coated Gate And Post, Add	559.69	

32 31 13 13-0365 10' Fence Height (32 31 13 13-0264)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0366	EA	3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	293.26	22.11
			<i>For Gate With Single Barb Wire Arm, Add</i>	24.95	
			<i>For Gate With Double Barb Wire Arm, Add</i>	36.30	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-42.54	
			<i>For Aluminized Steel Gate And Post, Add</i>	108.89	
			<i>For Powder Coated Gate And Post, Add</i>	58.98	
32 31 13	13-0367	EA	4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	368.89	22.11
			<i>For Gate With Single Barb Wire Arm, Add</i>	33.27	
			<i>For Gate With Double Barb Wire Arm, Add</i>	48.40	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-56.72	
			<i>For Aluminized Steel Gate And Post, Add</i>	145.20	
			<i>For Powder Coated Gate And Post, Add</i>	78.65	
32 31 13	13-0368	EA	5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	425.09	23.07
			<i>For Gate With Single Barb Wire Arm, Add</i>	39.13	
			<i>For Gate With Double Barb Wire Arm, Add</i>	56.92	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-66.71	
			<i>For Aluminized Steel Gate And Post, Add</i>	170.77	
			<i>For Powder Coated Gate And Post, Add</i>	92.50	
32 31 13	13-0369	EA	6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	495.10	28.69
			<i>For Gate With Single Barb Wire Arm, Add</i>	45.00	
			<i>For Gate With Double Barb Wire Arm, Add</i>	65.45	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-76.70	
			<i>For Aluminized Steel Gate And Post, Add</i>	196.34	
			<i>For Powder Coated Gate And Post, Add</i>	106.35	
32 31 13	13-0370	EA	7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	564.76	34.01
			<i>For Gate With Single Barb Wire Arm, Add</i>	50.85	
			<i>For Gate With Double Barb Wire Arm, Add</i>	73.97	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-86.68	
			<i>For Aluminized Steel Gate And Post, Add</i>	221.91	
			<i>For Powder Coated Gate And Post, Add</i>	120.20	
32 31 13	13-0371	EA	8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	634.51	39.62
			<i>For Gate With Single Barb Wire Arm, Add</i>	56.71	
			<i>For Gate With Double Barb Wire Arm, Add</i>	82.49	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-96.67	
			<i>For Aluminized Steel Gate And Post, Add</i>	247.48	
			<i>For Powder Coated Gate And Post, Add</i>	134.05	
32 31 13	13-0372	EA	9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	703.92	45.00
			<i>For Gate With Single Barb Wire Arm, Add</i>	62.58	
			<i>For Gate With Double Barb Wire Arm, Add</i>	91.02	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-106.66	
			<i>For Aluminized Steel Gate And Post, Add</i>	273.06	
			<i>For Powder Coated Gate And Post, Add</i>	147.91	
32 31 13	13-0373	EA	10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	773.95	50.56
			<i>For Gate With Single Barb Wire Arm, Add</i>	68.44	
			<i>For Gate With Double Barb Wire Arm, Add</i>	99.54	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-116.65	
			<i>For Aluminized Steel Gate And Post, Add</i>	298.63	
			<i>For Powder Coated Gate And Post, Add</i>	161.76	
32 31 13	13-0374	EA	10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,116.77	61.14
			<i>For Gate With Single Barb Wire Arm, Add</i>	102.65	
			<i>For Gate With Double Barb Wire Arm, Add</i>	149.32	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-174.98	
			<i>For Aluminized Steel Gate And Post, Add</i>	447.95	
			<i>For Powder Coated Gate And Post, Add</i>	242.64	
32 31 13	13-0375	EA	12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,213.81	65.77
			<i>For Gate With Single Barb Wire Arm, Add</i>	111.78	
			<i>For Gate With Double Barb Wire Arm, Add</i>	162.59	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-190.54	
			<i>For Aluminized Steel Gate And Post, Add</i>	487.78	
			<i>For Powder Coated Gate And Post, Add</i>	264.21	
32 31 13	13-0376	EA	14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,379.65	71.33
			<i>For Gate With Single Barb Wire Arm, Add</i>	128.21	
			<i>For Gate With Double Barb Wire Arm, Add</i>	186.48	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-218.53	
			<i>For Aluminized Steel Gate And Post, Add</i>	559.44	
			<i>For Powder Coated Gate And Post, Add</i>	303.03	
32 31 13	13-0377	EA	16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,564.93	77.76
			<i>For Gate With Single Barb Wire Arm, Add</i>	146.46	
			<i>For Gate With Double Barb Wire Arm, Add</i>	213.03	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-249.64	
			<i>For Aluminized Steel Gate And Post, Add</i>	639.08	
			<i>For Powder Coated Gate And Post, Add</i>	346.17	
32 31 13	13-0378	EA	18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,754.28	85.57
			<i>For Gate With Single Barb Wire Arm, Add</i>	164.70	
			<i>For Gate With Double Barb Wire Arm, Add</i>	239.57	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-280.75	
			<i>For Aluminized Steel Gate And Post, Add</i>	718.71	
			<i>For Powder Coated Gate And Post, Add</i>	389.30	
32 31 13	13-0379	EA	20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,949.65	95.04
			<i>For Gate With Single Barb Wire Arm, Add</i>	183.07	
			<i>For Gate With Double Barb Wire Arm, Add</i>	266.28	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-312.05	
			<i>For Aluminized Steel Gate And Post, Add</i>	798.84	
			<i>For Powder Coated Gate And Post, Add</i>	432.71	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0380 EA 22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,152.42	106.96
For Gate With Single Barb Wire Arm, Add	201.43	
For Gate With Double Barb Wire Arm, Add	292.99	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-343.35	
For Aluminized Steel Gate And Post, Add	878.98	
For Powder Coated Gate And Post, Add	476.11	
32 31 13 13-0381 EA 24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,363.98	122.14
For Gate With Single Barb Wire Arm, Add	219.68	
For Gate With Double Barb Wire Arm, Add	319.54	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-374.46	
For Aluminized Steel Gate And Post, Add	958.61	
For Powder Coated Gate And Post, Add	519.25	
32 31 13 13-0382 EA 26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,591.31	142.60
For Gate With Single Barb Wire Arm, Add	237.93	
For Gate With Double Barb Wire Arm, Add	346.08	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-405.57	
For Aluminized Steel Gate And Post, Add	1,038.25	
For Powder Coated Gate And Post, Add	562.39	
32 31 13 13-0383 EA 28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,842.41	171.00
For Gate With Single Barb Wire Arm, Add	256.18	
For Gate With Double Barb Wire Arm, Add	372.63	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-436.67	
For Aluminized Steel Gate And Post, Add	1,117.88	
For Powder Coated Gate And Post, Add	605.52	
32 31 13 13-0384 EA 30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,139.33	213.93
For Gate With Single Barb Wire Arm, Add	274.66	
For Gate With Double Barb Wire Arm, Add	399.50	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-468.17	
For Aluminized Steel Gate And Post, Add	1,198.51	
For Powder Coated Gate And Post, Add	649.19	
32 31 13 13-0385 12' Fence Height <small>(32 31 13 13-0264)</small>		
32 31 13 13-0386 EA 3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	364.17	24.56
For Gate With Single Barb Wire Arm, Add	31.94	
For Gate With Double Barb Wire Arm, Add	46.46	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-54.45	
For Aluminized Steel Gate And Post, Add	139.39	
For Powder Coated Gate And Post, Add	75.50	
32 31 13 13-0387 EA 4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	460.96	24.56
For Gate With Single Barb Wire Arm, Add	42.59	
For Gate With Double Barb Wire Arm, Add	61.95	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-72.60	
For Aluminized Steel Gate And Post, Add	185.85	
For Powder Coated Gate And Post, Add	100.67	
32 31 13 13-0388 EA 5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	531.87	25.46
For Gate With Single Barb Wire Arm, Add	50.09	
For Gate With Double Barb Wire Arm, Add	72.86	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-85.38	
For Aluminized Steel Gate And Post, Add	218.58	
For Powder Coated Gate And Post, Add	118.40	
32 31 13 13-0389 EA 6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	618.60	31.62
For Gate With Single Barb Wire Arm, Add	57.59	
For Gate With Double Barb Wire Arm, Add	83.77	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-98.17	
For Aluminized Steel Gate And Post, Add	251.32	
For Powder Coated Gate And Post, Add	136.13	
32 31 13 13-0390 EA 7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	705.30	37.83
For Gate With Single Barb Wire Arm, Add	65.09	
For Gate With Double Barb Wire Arm, Add	94.68	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-110.95	
For Aluminized Steel Gate And Post, Add	284.04	
For Powder Coated Gate And Post, Add	153.86	
32 31 13 13-0391 EA 8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	791.43	43.81
For Gate With Single Barb Wire Arm, Add	72.59	
For Gate With Double Barb Wire Arm, Add	105.59	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-123.74	
For Aluminized Steel Gate And Post, Add	316.78	
For Powder Coated Gate And Post, Add	171.59	
32 31 13 13-0392 EA 9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	878.14	49.96
For Gate With Single Barb Wire Arm, Add	80.10	
For Gate With Double Barb Wire Arm, Add	116.50	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-136.53	
For Aluminized Steel Gate And Post, Add	349.51	
For Powder Coated Gate And Post, Add	189.32	
32 31 13 13-0393 EA 10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	964.87	56.12
For Gate With Single Barb Wire Arm, Add	87.60	
For Gate With Double Barb Wire Arm, Add	127.41	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-149.31	
For Aluminized Steel Gate And Post, Add	382.24	
For Powder Coated Gate And Post, Add	207.05	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0394 EA 10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,313.45	67.93
For Gate With Single Barb Wire Arm, Add	122.05	
For Gate With Double Barb Wire Arm, Add	177.52	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-208.03	
For Aluminized Steel Gate And Post, Add	532.56	
For Powder Coated Gate And Post, Add	288.47	
32 31 13 13-0395 EA 12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,438.93	73.14
For Gate With Single Barb Wire Arm, Add	134.14	
For Gate With Double Barb Wire Arm, Add	195.11	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-228.64	
For Aluminized Steel Gate And Post, Add	585.32	
For Powder Coated Gate And Post, Add	317.05	
32 31 13 13-0396 EA 14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,635.70	79.21
For Gate With Single Barb Wire Arm, Add	153.75	
For Gate With Double Barb Wire Arm, Add	223.64	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-262.08	
For Aluminized Steel Gate And Post, Add	670.93	
For Powder Coated Gate And Post, Add	363.42	
32 31 13 13-0397 EA 16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,856.38	86.37
For Gate With Single Barb Wire Arm, Add	175.65	
For Gate With Double Barb Wire Arm, Add	255.50	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-299.41	
For Aluminized Steel Gate And Post, Add	766.49	
For Powder Coated Gate And Post, Add	415.18	
32 31 13 13-0398 EA 18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,081.34	95.12
For Gate With Single Barb Wire Arm, Add	197.55	
For Gate With Double Barb Wire Arm, Add	287.35	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-336.74	
For Aluminized Steel Gate And Post, Add	862.06	
For Powder Coated Gate And Post, Add	466.95	
32 31 13 13-0399 EA 20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,314.10	105.60
For Gate With Single Barb Wire Arm, Add	219.68	
For Gate With Double Barb Wire Arm, Add	319.54	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-374.46	
For Aluminized Steel Gate And Post, Add	958.61	
For Powder Coated Gate And Post, Add	519.25	
32 31 13 13-0400 EA 22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,553.11	118.81
For Gate With Single Barb Wire Arm, Add	241.58	
For Gate With Double Barb Wire Arm, Add	351.39	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-411.79	
For Aluminized Steel Gate And Post, Add	1,054.18	
For Powder Coated Gate And Post, Add	571.01	
32 31 13 13-0401 EA 24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,805.00	135.74
For Gate With Single Barb Wire Arm, Add	263.71	
For Gate With Double Barb Wire Arm, Add	383.58	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-449.51	
For Aluminized Steel Gate And Post, Add	1,150.73	
For Powder Coated Gate And Post, Add	623.31	
32 31 13 13-0402 EA 26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,070.25	158.49
For Gate With Single Barb Wire Arm, Add	285.38	
For Gate With Double Barb Wire Arm, Add	415.10	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-486.44	
For Aluminized Steel Gate And Post, Add	1,245.30	
For Powder Coated Gate And Post, Add	674.54	
32 31 13 13-0403 EA 28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,364.01	190.01
For Gate With Single Barb Wire Arm, Add	307.28	
For Gate With Double Barb Wire Arm, Add	446.95	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-523.77	
For Aluminized Steel Gate And Post, Add	1,340.86	
For Powder Coated Gate And Post, Add	726.30	
32 31 13 13-0404 EA 30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,708.43	237.71
For Gate With Single Barb Wire Arm, Add	329.41	
For Gate With Double Barb Wire Arm, Add	479.14	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-561.49	
For Aluminized Steel Gate And Post, Add	1,437.42	
For Powder Coated Gate And Post, Add	778.60	
32 31 13 13-0405 Vinyl Coated Without Barb Wire Arm <small>(32 31 13 13-0263)</small>		
Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 13-0406 4' Fence Height <small>(32 31 13 13-0405)</small>		
32 31 13 13-0407 EA 3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	183.20	14.94
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-25.95	
For Gate With Single Barb Wire Arm, Add	15.22	
For Gate With Double Barb Wire Arm, Add	22.14	
32 31 13 13-0408 EA 4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	229.33	14.94
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-34.60	
For Gate With Single Barb Wire Arm, Add	20.30	
For Gate With Double Barb Wire Arm, Add	29.52	
32 31 13 13-0409 EA 5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	270.77	15.90
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-41.81	
For Gate With Single Barb Wire Arm, Add	24.53	
For Gate With Double Barb Wire Arm, Add	35.67	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0410	EA	6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	318.76 -49.01 28.75 41.82	19.12
32 31	13 13-0411	EA	7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	366.77 -56.22 32.98 47.97	22.29
32 31	13 13-0412	EA	8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	414.77 -63.43 37.21 54.12	25.46
32 31	13 13-0413	EA	9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	462.77 -70.63 41.44 60.27	28.69
32 31	13 13-0414	EA	10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	510.76 -77.84 45.67 66.42	31.86
32 31	13 13-0415	EA	10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	649.14 -103.79 60.89 88.56	31.86
32 31	13 13-0416	EA	12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	766.69 -124.55 73.07 106.28	34.12
32 31	13 13-0417	EA	14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	885.28 -145.30 85.24 123.99	36.75
32 31	13 13-0418	EA	16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,005.18 -166.06 97.42 141.71	39.81
32 31	13 13-0419	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,150.55 -186.82 109.60 159.42	51.31
32 31	13 13-0420	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,272.27 -207.58 121.78 177.13	55.00
32 31	13 13-0421	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,395.69 -228.33 133.96 194.84	59.26
32 31	13 13-0422	EA	24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,521.21 -249.09 146.13 212.56	64.18
32 31	13 13-0423	EA	26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,649.44 -269.85 158.31 230.27	70.03
32 31	13 13-0424	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,781.17 -290.61 170.49 247.98	77.05
32 31	13 13-0425	EA	30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,917.57 -311.36 182.67 265.70	85.57
32 31	13 13-0426		5' Fence Height <small>(32 31 13 13-0405)</small>		
32 31	13 13-0427	EA	3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	219.29 -32.15 18.86 27.44	15.90
32 31	13 13-0428	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	276.45 -42.87 25.15 36.58	15.90
32 31	13 13-0429	EA	5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	322.32 -50.91 29.87 43.44	16.92
32 31	13 13-0430	EA	6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	375.34 -58.95 34.58 50.30	20.32

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0431 EA 7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	428.36	23.67
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-66.98	
For Gate With Single Barb Wire Arm, Add	39.30	
For Gate With Double Barb Wire Arm, Add	57.16	
32 31 13 13-0432 EA 8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	481.99	27.25
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-75.02	
For Gate With Single Barb Wire Arm, Add	44.01	
For Gate With Double Barb Wire Arm, Add	64.02	
32 31 13 13-0433 EA 9' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	535.02	30.66
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-83.06	
For Gate With Single Barb Wire Arm, Add	48.73	
For Gate With Double Barb Wire Arm, Add	70.88	
32 31 13 13-0434 EA 10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	588.04	34.01
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-91.10	
For Gate With Single Barb Wire Arm, Add	53.44	
For Gate With Double Barb Wire Arm, Add	77.74	
32 31 13 13-0435 EA 10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	788.35	34.12
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-128.61	
For Gate With Single Barb Wire Arm, Add	75.45	
For Gate With Double Barb Wire Arm, Add	109.74	
32 31 13 13-0436 EA 12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	933.41	36.75
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-154.33	
For Gate With Single Barb Wire Arm, Add	90.54	
For Gate With Double Barb Wire Arm, Add	131.69	
32 31 13 13-0437 EA 14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,079.78	39.81
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-180.05	
For Gate With Single Barb Wire Arm, Add	105.63	
For Gate With Double Barb Wire Arm, Add	153.64	
32 31 13 13-0438 EA 16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,251.64	51.31
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-205.77	
For Gate With Single Barb Wire Arm, Add	120.72	
For Gate With Double Barb Wire Arm, Add	175.59	
32 31 13 13-0439 EA 18' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,399.83	55.00
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-231.49	
For Gate With Single Barb Wire Arm, Add	135.81	
For Gate With Double Barb Wire Arm, Add	197.54	
32 31 13 13-0440 EA 20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,549.72	59.26
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-257.21	
For Gate With Single Barb Wire Arm, Add	150.90	
For Gate With Double Barb Wire Arm, Add	219.49	
32 31 13 13-0441 EA 22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,701.72	64.18
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-282.94	
For Gate With Single Barb Wire Arm, Add	165.99	
For Gate With Double Barb Wire Arm, Add	241.44	
32 31 13 13-0442 EA 24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,856.42	70.03
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-308.66	
For Gate With Single Barb Wire Arm, Add	181.08	
For Gate With Double Barb Wire Arm, Add	263.39	
32 31 13 13-0443 EA 26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,014.62	77.05
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-334.38	
For Gate With Single Barb Wire Arm, Add	196.17	
For Gate With Double Barb Wire Arm, Add	285.34	
32 31 13 13-0444 EA 28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,177.50	85.57
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-360.10	
For Gate With Single Barb Wire Arm, Add	211.26	
For Gate With Double Barb Wire Arm, Add	307.28	
32 31 13 13-0445 EA 30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,346.81	96.26
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-385.82	
For Gate With Single Barb Wire Arm, Add	226.35	
For Gate With Double Barb Wire Arm, Add	329.23	
32 31 13 13-0446 6' Fence Height (32 31 13 13-0405)		
32 31 13 13-0447 EA 3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	234.48	17.03
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-34.36	
For Gate With Single Barb Wire Arm, Add	20.16	
For Gate With Double Barb Wire Arm, Add	29.32	
32 31 13 13-0448 EA 4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	295.56	17.03
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-45.81	
For Gate With Single Barb Wire Arm, Add	26.88	
For Gate With Double Barb Wire Arm, Add	39.09	
32 31 13 13-0449 EA 5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	344.54	18.11
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-54.41	
For Gate With Single Barb Wire Arm, Add	31.92	
For Gate With Double Barb Wire Arm, Add	46.43	
32 31 13 13-0450 EA 6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	401.72	21.87
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-63.00	
For Gate With Single Barb Wire Arm, Add	36.96	
For Gate With Double Barb Wire Arm, Add	53.76	
32 31 13 13-0451 EA 7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	458.88	25.70
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-71.59	
For Gate With Single Barb Wire Arm, Add	42.00	
For Gate With Double Barb Wire Arm, Add	61.09	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0452	EA		8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	515.46	29.28
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-80.18	
			<i>For Gate With Single Barb Wire Arm, Add</i>	47.04	
			<i>For Gate With Double Barb Wire Arm, Add</i>	68.42	
32 31 13 13-0453	EA		9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	572.63	33.05
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-88.77	
			<i>For Gate With Single Barb Wire Arm, Add</i>	52.08	
			<i>For Gate With Double Barb Wire Arm, Add</i>	75.75	
32 31 13 13-0454	EA		10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	629.80	36.81
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-97.36	
			<i>For Gate With Single Barb Wire Arm, Add</i>	57.12	
			<i>For Gate With Double Barb Wire Arm, Add</i>	83.08	
32 31 13 13-0455	EA		10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	843.37	36.75
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-137.45	
			<i>For Gate With Single Barb Wire Arm, Add</i>	80.63	
			<i>For Gate With Double Barb Wire Arm, Add</i>	117.29	
32 31 13 13-0456	EA		12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	999.16	39.81
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-164.93	
			<i>For Gate With Single Barb Wire Arm, Add</i>	96.76	
			<i>For Gate With Double Barb Wire Arm, Add</i>	140.74	
32 31 13 13-0457	EA		14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,191.45	55.00
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-192.42	
			<i>For Gate With Single Barb Wire Arm, Add</i>	112.89	
			<i>For Gate With Double Barb Wire Arm, Add</i>	164.20	
32 31 13 13-0458	EA		16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,350.77	59.26
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-219.91	
			<i>For Gate With Single Barb Wire Arm, Add</i>	129.01	
			<i>For Gate With Double Barb Wire Arm, Add</i>	187.66	
32 31 13 13-0459	EA		18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,512.19	64.18
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-247.40	
			<i>For Gate With Single Barb Wire Arm, Add</i>	145.14	
			<i>For Gate With Double Barb Wire Arm, Add</i>	211.11	
32 31 13 13-0460	EA		20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,703.41	70.03
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-279.97	
			<i>For Gate With Single Barb Wire Arm, Add</i>	164.25	
			<i>For Gate With Double Barb Wire Arm, Add</i>	238.91	
32 31 13 13-0461	EA		22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,848.87	77.05
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-303.30	
			<i>For Gate With Single Barb Wire Arm, Add</i>	177.94	
			<i>For Gate With Double Barb Wire Arm, Add</i>	258.82	
32 31 13 13-0462	EA		24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,016.26	85.57
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-329.87	
			<i>For Gate With Single Barb Wire Arm, Add</i>	193.52	
			<i>For Gate With Double Barb Wire Arm, Add</i>	281.49	
32 31 13 13-0463	EA		26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,194.99	96.26
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-357.35	
			<i>For Gate With Single Barb Wire Arm, Add</i>	209.65	
			<i>For Gate With Double Barb Wire Arm, Add</i>	304.94	
32 31 13 13-0464	EA		28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,382.89	110.00
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-384.84	
			<i>For Gate With Single Barb Wire Arm, Add</i>	225.78	
			<i>For Gate With Double Barb Wire Arm, Add</i>	328.40	
32 31 13 13-0465	EA		30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,584.57	128.36
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-412.33	
			<i>For Gate With Single Barb Wire Arm, Add</i>	241.90	
			<i>For Gate With Double Barb Wire Arm, Add</i>	351.86	
32 31 13 13-0466			7' Fence Height <small>(32 31 13 13-0405)</small>		
32 31 13 13-0467	EA		3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	247.65	18.35
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-36.09	
			<i>For Gate With Single Barb Wire Arm, Add</i>	21.17	
			<i>For Gate With Double Barb Wire Arm, Add</i>	30.80	
32 31 13 13-0468	EA		4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	311.82	18.35
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-48.12	
			<i>For Gate With Single Barb Wire Arm, Add</i>	28.23	
			<i>For Gate With Double Barb Wire Arm, Add</i>	41.06	
32 31 13 13-0469	EA		5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	362.76	19.31
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-57.15	
			<i>For Gate With Single Barb Wire Arm, Add</i>	33.53	
			<i>For Gate With Double Barb Wire Arm, Add</i>	48.77	
32 31 13 13-0470	EA		6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	423.42	23.48
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-66.17	
			<i>For Gate With Single Barb Wire Arm, Add</i>	38.82	
			<i>For Gate With Double Barb Wire Arm, Add</i>	56.46	
32 31 13 13-0471	EA		7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	483.50	27.49
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-75.19	
			<i>For Gate With Single Barb Wire Arm, Add</i>	44.11	
			<i>For Gate With Double Barb Wire Arm, Add</i>	64.16	
32 31 13 13-0472	EA		8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	544.18	31.62
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-84.22	
			<i>For Gate With Single Barb Wire Arm, Add</i>	49.41	
			<i>For Gate With Double Barb Wire Arm, Add</i>	71.87	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0473 EA 9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	604.24	35.62
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-93.24	
For Gate With Single Barb Wire Arm, Add	54.70	
For Gate With Double Barb Wire Arm, Add	79.56	
32 31 13 13-0474 EA 10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	664.92	39.81
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-102.26	
For Gate With Single Barb Wire Arm, Add	59.99	
For Gate With Double Barb Wire Arm, Add	87.26	
32 31 13 13-0475 EA 10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	889.48	39.81
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-144.37	
For Gate With Single Barb Wire Arm, Add	84.70	
For Gate With Double Barb Wire Arm, Add	123.19	
32 31 13 13-0476 EA 12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,089.14	55.00
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-173.24	
For Gate With Single Barb Wire Arm, Add	101.63	
For Gate With Double Barb Wire Arm, Add	147.83	
32 31 13 13-0477 EA 14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,255.85	59.26
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-202.11	
For Gate With Single Barb Wire Arm, Add	118.57	
For Gate With Double Barb Wire Arm, Add	172.47	
32 31 13 13-0478 EA 16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,424.64	64.18
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-230.98	
For Gate With Single Barb Wire Arm, Add	135.51	
For Gate With Double Barb Wire Arm, Add	197.11	
32 31 13 13-0479 EA 18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,596.17	70.03
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-259.86	
For Gate With Single Barb Wire Arm, Add	152.45	
For Gate With Double Barb Wire Arm, Add	221.75	
32 31 13 13-0480 EA 20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,771.16	77.05
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-288.73	
For Gate With Single Barb Wire Arm, Add	169.39	
For Gate With Double Barb Wire Arm, Add	246.38	
32 31 13 13-0481 EA 22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,950.83	85.57
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-317.60	
For Gate With Single Barb Wire Arm, Add	186.32	
For Gate With Double Barb Wire Arm, Add	271.02	
32 31 13 13-0482 EA 24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,136.97	96.26
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-346.48	
For Gate With Single Barb Wire Arm, Add	203.27	
For Gate With Double Barb Wire Arm, Add	295.66	
32 31 13 13-0483 EA 26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,332.27	110.00
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-375.35	
For Gate With Single Barb Wire Arm, Add	220.21	
For Gate With Double Barb Wire Arm, Add	320.30	
32 31 13 13-0484 EA 28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,541.31	128.36
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-404.22	
For Gate With Single Barb Wire Arm, Add	237.14	
For Gate With Double Barb Wire Arm, Add	344.94	
32 31 13 13-0485 EA 30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,772.41	154.02
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-433.10	
For Gate With Single Barb Wire Arm, Add	254.08	
For Gate With Double Barb Wire Arm, Add	369.58	
32 31 13 13-0486 8' Fence Height <small>(32 31 13 13-0405)</small>		
32 31 13 13-0487 EA 3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	293.07	19.90
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-43.74	
For Gate With Single Barb Wire Arm, Add	25.66	
For Gate With Double Barb Wire Arm, Add	37.33	
32 31 13 13-0488 EA 4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	370.84	19.90
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-58.33	
For Gate With Single Barb Wire Arm, Add	34.22	
For Gate With Double Barb Wire Arm, Add	49.77	
32 31 13 13-0489 EA 5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	422.69	19.90
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-68.05	
For Gate With Single Barb Wire Arm, Add	39.92	
For Gate With Double Barb Wire Arm, Add	58.07	
32 31 13 13-0490 EA 6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	490.07	25.10
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-77.77	
For Gate With Single Barb Wire Arm, Add	45.62	
For Gate With Double Barb Wire Arm, Add	66.36	
32 31 13 13-0491 EA 7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	557.44	30.24
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-87.49	
For Gate With Single Barb Wire Arm, Add	51.33	
For Gate With Double Barb Wire Arm, Add	74.66	
32 31 13 13-0492 EA 8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	624.24	35.20
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-97.21	
For Gate With Single Barb Wire Arm, Add	57.03	
For Gate With Double Barb Wire Arm, Add	82.95	
32 31 13 13-0493 EA 9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	691.63	40.40
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-106.93	
For Gate With Single Barb Wire Arm, Add	62.73	
For Gate With Double Barb Wire Arm, Add	91.25	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0494 EA 10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	759.00 -116.65 68.44 99.54	45.59
32 31 13 13-0495 EA 10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,098.42 -174.98 102.65 149.32	55.00
32 31 13 13-0496 EA 12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,297.77 -209.97 123.18 179.18	59.26
32 31 13 13-0497 EA 14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,499.23 -244.97 143.72 209.04	64.18
32 31 13 13-0498 EA 16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,703.40 -279.97 164.25 238.90	70.03
32 31 13 13-0499 EA 18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,911.06 -314.96 184.78 268.77	77.05
32 31 13 13-0500 EA 20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,123.40 -349.96 205.31 298.63	85.57
32 31 13 13-0501 EA 22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,342.18 -384.95 225.84 328.49	96.26
32 31 13 13-0502 EA 24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,570.11 -419.95 246.37 358.36	110.00
32 31 13 13-0503 EA 26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,811.82 -454.94 266.90 388.22	128.36
32 31 13 13-0504 EA 28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,075.56 -489.94 287.43 418.08	154.02
32 31 13 13-0505 EA 30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,377.84 -524.93 307.96 447.94	192.54
32 31 13 13-0506 10' Fence Height <small>(22 31 13 13-0405)</small>		
32 31 13 13-0507 EA 3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	337.04 -50.75 29.77 43.30	22.11
32 31 13 13-0508 EA 4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	427.26 -67.66 39.69 57.74	22.11
32 31 13 13-0509 EA 5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	490.33 -78.94 46.31 67.36	23.07
32 31 13 13-0510 EA 6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	567.20 -90.22 52.93 76.98	28.69
32 31 13 13-0511 EA 7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	643.48 -101.49 59.54 86.61	34.01
32 31 13 13-0512 EA 8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	720.37 -112.77 66.16 96.23	39.62
32 31 13 13-0513 EA 9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	796.64 -124.05 72.77 105.85	45.00
32 31 13 13-0514 EA 10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	873.53 -135.32 79.39 115.48	50.56

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0515 EA 10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,266.13 -202.98 119.08 173.21	61.14
32 31 13 13-0516 EA 12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,496.70 -243.58 142.90 207.85	65.77
32 31 13 13-0517 EA 14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,729.76 -284.18 166.72 242.50	71.33
32 31 13 13-0518 EA 16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,965.64 -324.77 190.53 277.14	77.76
32 31 13 13-0519 EA 18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,205.61 -365.37 214.35 311.78	85.57
32 31 13 13-0520 EA 20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,450.54 -405.97 238.17 346.42	95.04
32 31 13 13-0521 EA 22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,702.89 -446.56 261.98 381.07	106.96
32 31 13 13-0522 EA 24' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,965.05 -487.16 285.80 415.71	122.14
32 31 13 13-0523 EA 26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,242.99 -527.76 309.62 450.35	142.60
32 31 13 13-0524 EA 28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,544.70 -568.35 333.43 484.99	171.00
32 31 13 13-0525 EA 30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,890.16 -608.95 357.25 519.64	213.93
32 31 13 13-0526 12' Fence Height (32 31 13 13-0405)		
32 31 13 13-0527 EA 3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	451.22 -70.77 41.52 60.39	24.56
32 31 13 13-0528 EA 4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	576.69 -94.30 55.32 80.47	24.56
32 31 13 13-0529 EA 5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	672.72 -111.79 65.59 95.40	25.46
32 31 13 13-0530 EA 6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	769.02 -126.38 74.14 107.84	31.62
32 31 13 13-0531 EA 7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	873.96 -142.58 83.65 121.67	37.83
32 31 13 13-0532 EA 8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	978.30 -158.78 93.15 135.49	43.81
32 31 13 13-0533 EA 9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,083.23 -174.98 102.66 149.32	49.96
32 31 13 13-0534 EA 10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,179.53 -189.56 111.21 161.76	56.12
32 31 13 13-0535 EA 10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,719.85 -284.25 166.76 242.56	67.93



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0536 EA 12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,088.04 -350.35 205.54 298.96	73.14
32 31 13 13-0537 EA 14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,419.61 -409.07 239.98 349.07	79.21
32 31 13 13-0538 EA 16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,752.28 -467.39 274.20 398.84	86.37
32 31 13 13-0539 EA 18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,085.21 -524.94 307.96 447.95	95.12
32 31 13 13-0540 EA 20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,427.75 -583.27 342.18 497.72	105.60
32 31 13 13-0541 EA 22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,778.75 -641.60 376.40 547.49	118.81
32 31 13 13-0542 EA 24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	4,140.55 -699.92 410.62 597.27	135.74
32 31 13 13-0543 EA 26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	4,530.24 -760.19 445.98 648.70	158.49
32 31 13 13-0544 EA 28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	4,935.98 -818.52 480.20 698.47	190.01
32 31 13 13-0545 EA 30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	5,390.32 -876.85 514.42 748.24	237.71
32 31 13 13-0546 Sliding Gate <small>(32 31 13 13-0263)</small> Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel, rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 13-0547 4' High Sliding Gate <small>(32 31 13 13-0546)</small>		
32 31 13 13-0548 EA 10' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,473.97 110.52 301.42	234.60
32 31 13 13-0549 EA 12' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,772.10 132.63 361.71	283.24
32 31 13 13-0550 EA 14' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,067.58 154.73 421.99	330.44
32 31 13 13-0551 EA 16' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,367.18 176.84 482.28	379.80
32 31 13 13-0552 EA 18' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,663.10 198.94 542.57	427.29
32 31 13 13-0553 EA 20' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,950.26 221.05 602.85	470.35
32 31 13 13-0554 EA 24' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,526.53 263.31 718.11	566.41
32 31 13 13-0555 EA 30' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,152.52 331.57 904.27	1,069.15
32 31 13 13-0556 EA 40' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,870.02 442.09 1,205.69	1,425.53
32 31 13 13-0557 5' High Sliding Gate <small>(32 31 13 13-0546)</small>		
32 31 13 13-0558 EA 10' Long x 5' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,544.95 113.77 310.28	255.34
32 31 13 13-0559 EA 12' Long x 5' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,853.23 136.52 372.34	306.08

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0560 EA 14' Long x 5' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,161.98 159.28 434.40	357.03
32 31 13 13-0561 EA 16' Long x 5' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,471.03 182.03 496.45	408.13
32 31 13 13-0562 EA 18' Long x 5' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,779.75 204.79 558.51	459.01
32 31 13 13-0563 EA 20' Long x 5' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,088.65 227.54 620.57	510.04
32 31 13 13-0564 EA 24' Long x 5' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,689.55 271.05 739.22	612.74
32 31 13 13-0565 EA 30' Long x 5' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,633.24 341.31 930.85	765.23
32 31 13 13-0566 EA 40' Long x 5' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	6,177.30 455.08 1,241.13	1,020.07
32 31 13 13-0567 6' High Sliding Gate (32 31 13 13-0546)		
32 31 13 13-0568 EA 10' Long x 6' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	1,653.62 116.04 316.49	299.36
32 31 13 13-0569 EA 12' Long x 6' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	1,982.24 139.25 379.78	358.12
32 31 13 13-0570 EA 14' Long x 6' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,312.45 162.46 443.08	417.74
32 31 13 13-0571 EA 16' Long x 6' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,642.97 185.67 506.37	477.51
32 31 13 13-0572 EA 18' Long x 6' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,973.21 208.88 569.67	537.14
32 31 13 13-0573 EA 20' Long x 6' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,307.47 232.09 632.97	598.79
32 31 13 13-0574 EA 24' Long x 6' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,945.88 276.46 753.99	716.31
32 31 13 13-0575 EA 30' Long x 6' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,956.02 348.13 949.45	895.62
32 31 13 13-0576 EA 40' Long x 6' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	6,607.04 464.18 1,265.94	1,193.60
32 31 13 13-0577 7' High Sliding Gate (32 31 13 13-0546)		
32 31 13 13-0578 EA 10' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	1,764.10 120.59 328.89	333.90
32 31 13 13-0579 EA 12' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,116.40 144.71 394.67	400.40
32 31 13 13-0580 EA 14' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,469.78 168.83 460.44	467.46
32 31 13 13-0581 EA 16' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,822.01 192.95 526.22	533.96
32 31 13 13-0582 EA 18' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,174.88 217.07 592.00	600.82
32 31 13 13-0583 EA 20' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,527.28 241.18 657.77	667.38
32 31 13 13-0584 EA 24' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,213.43 287.30 783.54	800.79
32 31 13 13-0585 EA 30' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	5,290.91 361.77 986.66	1,001.00
32 31 13 13-0586 EA 40' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	7,054.55 482.37 1,315.55	1,334.69

32 31 13 13-0587 8' High Sliding Gate (32 31 13 13-0546)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0588 EA 10' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,852.24 124.16 338.63	361.73
32 31 13 13-0589 EA 12' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,220.61 149.00 406.36	433.07
32 31 13 13-0590 EA 14' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,590.74 173.83 474.08	505.27
32 31 13 13-0591 EA 16' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,961.03 198.66 541.81	577.47
32 31 13 13-0592 EA 18' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,330.51 223.50 609.53	649.38
32 31 13 13-0593 EA 20' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,700.85 248.33 677.26	721.66
32 31 13 13-0594 EA 24' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,421.33 295.81 806.75	866.06
32 31 13 13-0595 EA 30' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,551.82 372.49 1,015.89	1,082.73
32 31 13 13-0596 EA 40' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	7,400.27 496.66 1,354.52	1,442.59
32 31 13 13-0597 9' High Sliding Gate <small>(32 31 13 13-0546)</small>		
32 31 13 13-0598 EA 10' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,956.39 128.39 350.15	394.62
32 31 13 13-0599 EA 12' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,344.73 154.06 420.18	472.10
32 31 13 13-0600 EA 14' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,735.33 179.74 490.21	550.65
32 31 13 13-0601 EA 16' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,126.58 205.42 560.24	629.58
32 31 13 13-0602 EA 18' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,517.33 231.10 630.26	708.21
32 31 13 13-0603 EA 20' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,908.06 256.78 700.30	786.85
32 31 13 13-0604 EA 24' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,668.91 305.87 834.19	944.12
32 31 13 13-0605 EA 30' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,861.44 385.16 1,050.44	1,180.02
32 31 13 13-0606 EA 40' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	7,817.83 513.55 1,400.59	1,574.63
32 31 13 13-0607 10' High Sliding Gate <small>(32 31 13 13-0546)</small>		
32 31 13 13-0608 EA 10' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,085.51 133.91 365.21	434.08
32 31 13 13-0609 EA 12' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,502.61 160.69 438.25	520.88
32 31 13 13-0610 EA 14' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,920.01 187.47 511.29	607.82
32 31 13 13-0611 EA 16' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,336.99 214.26 584.33	694.62
32 31 13 13-0612 EA 18' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,753.92 241.04 657.37	781.35
32 31 13 13-0613 EA 20' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,171.03 267.82 730.42	868.15
32 31 13 13-0614 EA 24' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,984.55 319.03 870.07	1,042.19
32 31 13 13-0615 EA 30' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,256.54 401.73 1,095.62	1,302.23

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0616 EA 40' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	8,339.98 535.64 1,460.83	1,735.30
32 31 13 13-0617 Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller <small>(32 31 13 13-0263)</small> Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel, rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0020 for gate operators.		
32 31 13 13-0618 EA 5' High x 10' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	2,731.42 236.86 344.52 1,033.55 452.18 645.97	289.10
32 31 13 13-0619 EA 5' High x 12' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	3,022.55 252.98 367.97 1,103.91 482.96 689.94	361.37
32 31 13 13-0620 EA 5' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	3,315.69 269.32 391.74 1,175.23 514.16 734.52	433.64
32 31 13 13-0621 EA 5' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	3,931.23 305.23 443.98 1,331.93 582.72 832.46	578.19
32 31 13 13-0622 EA 6' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	3,677.95 277.37 403.45 1,210.35 529.53 756.47	578.19
32 31 13 13-0623 EA 6' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	4,357.54 312.38 454.37 1,363.10 596.36 851.94	758.88
32 31 13 13-0624 EA 6' High x 25' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	5,738.79 424.56 617.55 1,852.64 810.53 1,157.90	939.56
32 31 13 13-0625 EA 6' High x 30' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	6,500.12 468.56 681.54 2,044.62 894.52 1,277.89	1,120.25
32 31 13 13-0626 EA 8' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	4,330.42 317.34 461.59 1,384.77 605.84 865.48	722.74
32 31 13 13-0627 EA 8' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	5,199.88 357.33 519.76 1,559.27 682.18 974.54	975.70
32 31 13 13-0628 EA 8' High x 25' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	6,872.44 485.66 706.42 2,119.26 927.18 1,324.54	1,228.66
32 31 13 13-0629 EA 8' High x 30' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	7,763.04 535.93 779.53 2,338.60 1,023.14 1,461.62	1,445.48

32 31 13 13-0630 Gate Accessories (32 31 13 13-0263)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0631 EA Gate Center Stop, Cast Steel, Ground	14.96	
32 31 13 13-0632 EA Gate Latch, Malleable Galvanized Steel	27.43	
32 31 13 13-0633 EA Gate Keeper, Full Length, Galvanized Steel.....	123.82	
32 31 13 13-0634 EA Gate Keeper Hold-Open For Cantilever Gate.....	61.47	11.36
32 31 13 13-0635 EA Heavy Duty Gate Latch, Malleable Galvanized Steel	34.59	
32 31 13 13-0636 EA Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate.....	755.69	
32 31 13 13-0637 EA Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate	809.30	
32 31 13 13-0638 EA Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate	862.91	
32 31 13 13-0639 Accessories (32 31 13 13)		
32 31 13 13-0640 Barbed And Concertina Wire (32 31 13 13-0639)		
32 31 13 13-0641 Single Strand Barbed Wire (32 31 13 13-0640)		
32 31 13 13-0642 LF Galvanized Barbed Wire, Per Strand.....	0.65	0.30
Note: Includes clips. 4 points 12-1/2 Gauge, Class I.		
For >500 To 2,000, Deduct	-0.06	
For >2,000, Deduct	-0.09	
32 31 13 13-0643 LF Vinyl Coated Barbed Wire (Fused), Per Strand	0.73	0.30
Note: Includes clips.		
For >500 To 2,000, Deduct	-0.07	
For >2,000, Deduct	-0.10	
32 31 13 13-0644 EA Barbed Wire Extension Arms 3 Strands (Single Arm).....	7.00	4.78
32 31 13 13-0645 EA Barbed Wire Extension Arms 6 Strands (Double Arm)	11.18	5.74
32 31 13 13-0646 EA Barbed Wire Eye Tops (For Single Strand).....	7.25	4.78
32 31 13 13-0647 Galvanized Steel Concertina (Razor) Wire, Single Coil (32 31 13 13-0640)		
32 31 13 13-0648 LF 18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	2.19	0.42
For >500 To 1,500, Deduct	-0.19	
For >1,500 To 5,000, Deduct	-0.39	
For >5,000, Deduct	-0.56	
For Ground Installation, Deduct	-0.30	
For Double Coil (Helix), Add	1.60	
32 31 13 13-0649 LF 18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.31	0.42
For >500 To 1,500, Deduct	-0.29	
For >1,500 To 5,000, Deduct	-0.59	
For >5,000, Deduct	-0.84	
For Ground Installation, Deduct	-0.45	
For Double Coil (Helix), Add	2.41	
32 31 13 13-0650 LF 18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	4.39	0.42
For >500 To 1,500, Deduct	-0.39	
For >1,500 To 5,000, Deduct	-0.78	
For >5,000, Deduct	-1.12	
For Ground Installation, Deduct	-0.60	
For Double Coil (Helix), Add	3.20	
32 31 13 13-0651 LF 24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	2.73	0.42
For >500 To 1,500, Deduct	-0.24	
For >1,500 To 5,000, Deduct	-0.48	
For >5,000, Deduct	-0.68	
For Ground Installation, Deduct	-0.33	
For Double Coil (Helix), Add	2.07	
32 31 13 13-0652 LF 24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	4.11	0.42
For >500 To 1,500, Deduct	-0.36	
For >1,500 To 5,000, Deduct	-0.72	
For >5,000, Deduct	-1.02	
For Ground Installation, Deduct	-0.50	
For Double Coil (Helix), Add	3.12	
32 31 13 13-0653 LF 24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	5.43	0.42
For >500 To 1,500, Deduct	-0.47	
For >1,500 To 5,000, Deduct	-0.95	
For >5,000, Deduct	-1.35	
For Ground Installation, Deduct	-0.66	
For Double Coil (Helix), Add	4.12	
32 31 13 13-0654 LF 30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	6.99	0.42
For >500 To 1,500, Deduct	-0.56	
For >1,500 To 5,000, Deduct	-1.12	
For >5,000, Deduct	-1.55	
For Ground Installation, Deduct	-0.38	
For Double Coil (Helix), Add	6.24	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0655	LF	30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	10.56	0.42
		<i>For >500 To 1,500, Deduct</i>	-0.85	
		<i>For >1,500 To 5,000, Deduct</i>	-1.70	
		<i>For >5,000, Deduct</i>	-2.34	
		<i>For Ground Installation, Deduct</i>	-0.56	
		<i>For Double Coil (Helix), Add</i>	9.44	
32 31 13 13-0656	LF	30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	13.97	0.42
		<i>For >500 To 1,500, Deduct</i>	-1.12	
		<i>For >1,500 To 5,000, Deduct</i>	-2.25	
		<i>For >5,000, Deduct</i>	-3.09	
		<i>For Ground Installation, Deduct</i>	-0.75	
		<i>For Double Coil (Helix), Add</i>	12.48	
32 31 13 13-0657		Stainless Steel Concertina (Razor) Wire, Single Coil <small>(32 31 13 13-0640)</small>		
32 31 13 13-0658	LF	18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	2.79	0.42
		<i>For >500 To 1,500, Deduct</i>	-0.24	
		<i>For >1,500 To 5,000, Deduct</i>	-0.48	
		<i>For >5,000, Deduct</i>	-0.68	
		<i>For Ground Installation, Deduct</i>	-0.30	
		<i>For Double Coil (Helix), Add</i>	2.20	
32 31 13 13-0659	LF	18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	4.22	0.42
		<i>For >500 To 1,500, Deduct</i>	-0.36	
		<i>For >1,500 To 5,000, Deduct</i>	-0.72	
		<i>For >5,000, Deduct</i>	-1.02	
		<i>For Ground Installation, Deduct</i>	-0.45	
		<i>For Double Coil (Helix), Add</i>	3.32	
32 31 13 13-0660	LF	18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	5.59	0.42
		<i>For >500 To 1,500, Deduct</i>	-0.48	
		<i>For >1,500 To 5,000, Deduct</i>	-0.96	
		<i>For >5,000, Deduct</i>	-1.36	
		<i>For Ground Installation, Deduct</i>	-0.60	
		<i>For Double Coil (Helix), Add</i>	4.40	
32 31 13 13-0661	LF	24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.53	0.42
		<i>For >500 To 1,500, Deduct</i>	-0.30	
		<i>For >1,500 To 5,000, Deduct</i>	-0.60	
		<i>For >5,000, Deduct</i>	-0.84	
		<i>For Ground Installation, Deduct</i>	-0.33	
		<i>For Double Coil (Helix), Add</i>	2.87	
32 31 13 13-0662	LF	24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	5.32	0.42
		<i>For >500 To 1,500, Deduct</i>	-0.45	
		<i>For >1,500 To 5,000, Deduct</i>	-0.90	
		<i>For >5,000, Deduct</i>	-1.26	
		<i>For Ground Installation, Deduct</i>	-0.50	
		<i>For Double Coil (Helix), Add</i>	4.33	
32 31 13 13-0663	LF	24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	7.03	0.42
		<i>For >500 To 1,500, Deduct</i>	-0.59	
		<i>For >1,500 To 5,000, Deduct</i>	-1.19	
		<i>For >5,000, Deduct</i>	-1.67	
		<i>For Ground Installation, Deduct</i>	-0.66	
		<i>For Double Coil (Helix), Add</i>	5.72	
32 31 13 13-0664	LF	30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	10.02	0.42
		<i>For >500 To 1,500, Deduct</i>	-0.79	
		<i>For >1,500 To 5,000, Deduct</i>	-1.58	
		<i>For >5,000, Deduct</i>	-2.15	
		<i>For Ground Installation, Deduct</i>	-0.38	
		<i>For Double Coil (Helix), Add</i>	9.27	
32 31 13 13-0665	LF	30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	15.15	0.42
		<i>For >500 To 1,500, Deduct</i>	-1.19	
		<i>For >1,500 To 5,000, Deduct</i>	-2.38	
		<i>For >5,000, Deduct</i>	-3.25	
		<i>For Ground Installation, Deduct</i>	-0.56	
		<i>For Double Coil (Helix), Add</i>	14.03	
32 31 13 13-0666	LF	30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	20.03	0.42
		<i>For >500 To 1,500, Deduct</i>	-1.58	
		<i>For >1,500 To 5,000, Deduct</i>	-3.15	
		<i>For >5,000, Deduct</i>	-4.31	
		<i>For Ground Installation, Deduct</i>	-0.75	
		<i>For Double Coil (Helix), Add</i>	18.54	
32 31 13 13-0667		Grounding For Gates <small>(32 31 13 13-0639)</small>		
		Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31 13 13-0668	OPN	Grounding For Gates (Per Opening).....	304.87	



Exterior Improvements	32	32
Site Improvements	32 30	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0669		
32 31 13 13-0670		
32 31 13 13-0671	0.71	0.30
32 31 13 13-0672		
32 31 13 13-0673	0.71	0.30
32 31 13 13-0674		
32 31 13 13-0675	0.93	
32 31 13 13-0676	0.82	
32 31 13 13-0677		
32 31 13 13-0678	24.77	
32 31 13 13-0679	25.17	
32 31 13 13-0680	25.90	
32 31 13 13-0681	31.08	
32 31 13 13-0682	35.66	
32 31 13 13-0683	41.23	
32 31 13 13-0684	48.51	
32 31 13 13-0685		
32 31 13 13-0686	7.69	
32 31 13 13-0687	8.15	
32 31 13 13-0688	9.57	
32 31 13 13-0689	10.90	
32 31 13 13-0690	12.60	
32 31 13 13-0691	14.36	
32 31 13 13-0692	16.15	
32 31 13 13-0693	19.00	
32 31 13 13-0694	22.65	
32 31 13 13-0695		
32 31 13 13-0696		
32 31 13 13-0697	74.57	
32 31 13 13-0698	73.21	
32 31 13 13-0699	74.16	
32 31 13 13-0700	16.44	
32 31 13 13-0701	0.95	
32 31 13 13-0702	1.49	
32 31 13 13-0703	9.67	
32 31 13 13-0704	11.06	
32 31 13 13-0705	12.47	
32 31 13 13-0706	23.13	
32 31 13 13-0707	27.82	
32 31 13 13-0708	15.39	
32 31 13 13-0709	16.06	
32 31 13 13-0710	17.14	
32 31 13 13-0711	27.94	
32 31 13 13-0712	43.92	
32 31 13 13-0713	3.09	
32 31 13 13-0714	3.38	
32 31 13 13-0715	3.85	
32 31 13 13-0716	4.38	
32 31 13 13-0717	3.82	
32 31 13 13-0718	4.14	
32 31 13 13-0719	4.74	
32 31 13 13-0720	7.03	
32 31 13 13-0721	13.18	
32 31 13 13-0722	21.61	
32 31 13 13-0723	6.39	
32 31 13 13-0724	7.77	
32 31 13 13-0725	9.12	
32 31 13 13-0726	11.07	
32 31 13 13-0727	6.26	
32 31 13 13-0728	7.60	
32 31 13 13-0729	8.95	
32 31 13 13-0730	10.89	
32 31 13 13-0731	6.51	
32 31 13 13-0732	6.56	
32 31 13 13-0733	6.71	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 31 13 13-0734	EA	2-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	6.65		
32 31 13 13-0735	EA	3" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	6.76		
32 31 13 13-0736	EA	3-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	6.85		
32 31 13 13-0737	EA	4" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	7.11		
32 31 13 13-0738	EA	6-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	9.04		
32 31 13 13-0739		Remove And Reinstall Chain Link Fences (32 31 13 13) Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work.			
32 31 13 13-0740	LF	Removal And Reinstallation Of Chain Link Fence Up To 5' Height.....	11.95		
32 31 13 13-0741	LF	Removal And Reinstallation Of Chain Link Fence 6' To 12' Height.....	17.92		
32 31 13 33		Chain Link Backstops (32 31 13)			
32 31 13 33-0001		Regulation Baseball Backstop (32 31 13 33) See CSI section 32 31 13 13-0001 for auguring holes and concrete.			
32 31 13 33-0002	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized.....	7,423.41	1,186.53	
32 31 13 33-0003	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized.....	10,717.67	1,582.04	
32 31 13 33-0004	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized.....	13,671.54	1,845.71	
32 31 13 33-0005	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	10,454.81	1,186.53	
32 31 13 33-0006	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	15,253.60	1,582.04	
32 31 13 33-0007	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	19,657.40	1,845.71	
32 31 13 33-0008		Regulation Softball Backstop (32 31 13 33) See CSI section 32 31 13 13-0001 for auguring holes and concrete.			
32 31 13 33-0009		14' High Softball Backstop (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.			
32 31 13 33-0010	EA	14' Softball Backstop, Galvanized Regulation.....	6,416.80	1,256.91	
32 31 13 33-0011	EA	14' Softball Backstop, Vinyl Coated Regulation.....	8,590.97	1,256.91	
32 31 13 33-0012		18' High Softball Backstop (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.			
32 31 13 33-0013	EA	18' Softball Backstop, Galvanized Regulation.....	7,488.62	1,397.35	
32 31 13 33-0014	EA	18' Softball Backstop Vinyl Coated Regulation.....	10,118.66	1,397.35	
32 31 13 33-0015		20' High Softball Backstop (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.			
32 31 13 33-0016	EA	20' Softball Backstop, Galvanized Regulation.....	8,475.64	1,473.30	
32 31 13 33-0017	EA	20' Softball Backstop, Vinyl Coated Regulation.....	11,596.66	1,473.30	
32 31 13 33-0018		22' High Softball Backstop (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.			
32 31 13 33-0019	EA	22' Softball Backstop, Galvanized Regulation.....	9,757.84	1,517.75	
32 31 13 33-0020	EA	22' Softball Backstop, Vinyl Coated Regulation.....	13,510.03	1,517.75	
32 31 13 33-0021		24' High Softball Backstop (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.			
32 31 13 33-0022	EA	24' Softball Backstop, Galvanized Regulation.....	11,607.39	1,734.58	
32 31 13 33-0023	EA	24' Softball Backstop, Vinyl Coated Regulation.....	16,271.32	1,734.58	
32 31 16		Welded Wire Fences And Gates (32 31)			
32 31 16 00-0001		Welded Wire Fence (32 31 16)			
32 31 16 00-0002		12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh (32 31 16 00-0001) Note: Posts 5' on center.			
32 31 16 00-0003	LF	3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'.....	5.82	1.05	
32 31 16 00-0004	LF	5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'.....	6.27	1.05	
32 31 16 00-0005		14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh (32 31 16 00-0001) Note: Posts 5' on center.			
32 31 16 00-0006	LF	3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'.....	5.73	1.05	
32 31 16 00-0007	LF	5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'.....	6.13	1.05	
32 31 19		Decorative Metal Fences And Gates (32 31) See CSI section 32 31 13 13-0001 for drilling and grouting.			



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0001 Wrought Iron Fence <small>(32 31 19)</small> Note: Factory primed.		
32 31 19 00-0002 Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center <small>(32 31 19 00-0001)</small> Note: Factory primed.		
32 31 19 00-0003 LF 3' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	54.25	6.58
For Verticals Up To 2" On Center, Add	8.22	
For Verticals >2" To 2-1/2" On Center, Add	4.11	
For Verticals >3" To 4" On Center, Deduct	-4.11	
For Verticals >4" To 6" On Center, Deduct	-8.22	
32 31 19 00-0004 LF 4' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	70.65	8.36
For Verticals Up To 2" On Center, Add	10.90	
For Verticals >2" To 2-1/2" On Center, Add	5.45	
For Verticals >3" To 4" On Center, Deduct	-5.45	
For Verticals >4" To 6" On Center, Deduct	-10.90	
32 31 19 00-0005 LF 5' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	86.29	8.73
For Verticals Up To 2" On Center, Add	13.74	
For Verticals >2" To 2-1/2" On Center, Add	6.87	
For Verticals >3" To 4" On Center, Deduct	-6.87	
For Verticals >4" To 6" On Center, Deduct	-13.74	
32 31 19 00-0006 LF 6' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	104.74	10.52
For Verticals Up To 2" On Center, Add	16.73	
For Verticals >2" To 2-1/2" On Center, Add	8.37	
For Verticals >3" To 4" On Center, Deduct	-8.37	
For Verticals >4" To 6" On Center, Deduct	-16.73	
32 31 19 00-0007 LF 7' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	126.24	11.13
For Verticals Up To 2" On Center, Add	20.80	
For Verticals >2" To 2-1/2" On Center, Add	10.40	
For Verticals >3" To 4" On Center, Deduct	-10.40	
For Verticals >4" To 6" On Center, Deduct	-20.80	
32 31 19 00-0008 LF 8' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	147.73	11.71
For Verticals Up To 2" On Center, Add	24.86	
For Verticals >2" To 2-1/2" On Center, Add	12.43	
For Verticals >3" To 4" On Center, Deduct	-12.43	
For Verticals >4" To 6" On Center, Deduct	-24.86	
32 31 19 00-0009 LF 10' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	182.86	13.14
For Verticals Up To 2" On Center, Add	31.31	
For Verticals >2" To 2-1/2" On Center, Add	15.66	
For Verticals >3" To 4" On Center, Deduct	-15.66	
For Verticals >4" To 6" On Center, Deduct	-31.31	
32 31 19 00-0010 LF 12' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	217.88	14.94
For Verticals Up To 2" On Center, Add	37.60	
For Verticals >2" To 2-1/2" On Center, Add	18.80	
For Verticals >3" To 4" On Center, Deduct	-18.80	
For Verticals >4" To 6" On Center, Deduct	-37.60	
32 31 19 00-0011 Wrought Iron Gates <small>(32 31 19 00-0001)</small> Note: Factory primed.		
32 31 19 00-0012 Single Wrought Iron Gates <small>(32 31 19 00-0011)</small> Note: Factory primed.		
32 31 19 00-0013 LF 3' Single Wrought Iron Gate, Hardware And Associated Trim.....	67.76	8.01
32 31 19 00-0014 LF 4' Single Wrought Iron Gate, Hardware And Associated Trim.....	89.04	9.92
32 31 19 00-0015 LF 5' Single Wrought Iron Gate, Hardware And Associated Trim.....	110.10	11.95
32 31 19 00-0016 LF 6' Single Wrought Iron Gate, Hardware And Associated Trim.....	134.34	14.34
32 31 19 00-0017 LF 8' Single Wrought Iron Gate, Hardware And Associated Trim.....	189.03	15.90
32 31 19 00-0018 LF 10' Single Wrought Iron Gate, Hardware And Associated Trim.....	233.39	17.57
32 31 19 00-0019 LF 12' Single Wrought Iron Gate, Hardware And Associated Trim.....	276.82	19.96
32 31 19 00-0020 Double Wrought Iron Gates <small>(32 31 19 00-0011)</small> Note: Factory primed.		
32 31 19 00-0021 LF 3' Double Wrought Iron Gate, Hardware And Associated Trim.....	83.68	7.17
32 31 19 00-0022 LF 4' Double Wrought Iron Gate, Hardware And Associated Trim.....	110.58	8.97
32 31 19 00-0023 LF 5' Double Wrought Iron Gate, Hardware And Associated Trim.....	136.26	10.75
32 31 19 00-0024 LF 6' Double Wrought Iron Gate, Hardware And Associated Trim.....	165.99	12.91
32 31 19 00-0025 LF 8' Double Wrought Iron Gate, Hardware And Associated Trim.....	234.33	14.34
32 31 19 00-0026 LF 10' Double Wrought Iron Gate, Hardware And Associated Trim.....	289.68	15.77
32 31 19 00-0027 LF 12' Double Wrought Iron Gate, Hardware And Associated Trim.....	343.93	17.92
32 31 19 00-0028 Repair Or Replace Wrought Iron Fence <small>(32 31 19 00-0001)</small>		
32 31 19 00-0029 LF Replace Wrought Iron Picket.....	14.94	
32 31 19 00-0030 LF Replace Wrought Iron Post.....	23.90	
32 31 19 00-0031 EA Straighten Wrought Iron Post.....	47.81	
32 31 19 00-0032 Steel Tube Fence, Powder Coated <small>(32 31 19)</small> Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033 Steel Tube Fence, 2 Rail <small>(32 31 19 00-0032)</small>		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0034	LF	3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	38.25	6.58
			<i>For Verticals Up To 2" On Center, Add</i>	5.07	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	2.54	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-2.54	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-5.07	
			<i>For Solid Pickets, Add</i>	7.64	
			<i>For Aluminum With Satin Finish, Add</i>	5.68	
			<i>For Third Rail, Add</i>	1.90	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	6.34	
			<i>For 3" Square Posts, Add</i>	2.54	
32 31	19 00-0035	LF	3'-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	40.98	7.02
			<i>For Verticals Up To 2" On Center, Add</i>	5.38	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	2.69	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-2.69	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-5.38	
			<i>For Solid Pickets, Add</i>	8.17	
			<i>For Aluminum With Satin Finish, Add</i>	5.97	
			<i>For Third Rail, Add</i>	2.02	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	6.73	
			<i>For 3" Square Posts, Add</i>	2.69	
32 31	19 00-0036	LF	4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	43.40	7.77
			<i>For Verticals Up To 2" On Center, Add</i>	5.64	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	2.82	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-2.82	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-5.64	
			<i>For Solid Pickets, Add</i>	8.62	
			<i>For Aluminum With Satin Finish, Add</i>	6.17	
			<i>For Third Rail, Add</i>	2.11	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	7.05	
			<i>For 3" Square Posts, Add</i>	2.82	
32 31	19 00-0037	LF	5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	46.46	8.73
			<i>For Verticals Up To 2" On Center, Add</i>	5.78	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	2.89	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-2.89	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-5.78	
			<i>For Solid Pickets, Add</i>	9.14	
			<i>For Aluminum With Satin Finish, Add</i>	6.03	
			<i>For Third Rail, Add</i>	2.17	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	7.22	
			<i>For 3" Square Posts, Add</i>	2.89	
32 31	19 00-0038	LF	6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	53.77	9.86
			<i>For Verticals Up To 2" On Center, Add</i>	6.81	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	3.41	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-3.41	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-6.81	
			<i>For Solid Pickets, Add</i>	10.62	
			<i>For Aluminum With Satin Finish, Add</i>	7.26	
			<i>For Third Rail, Add</i>	2.55	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	8.51	
			<i>For 3" Square Posts, Add</i>	3.41	
32 31	19 00-0039	LF	7' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	61.41	10.75
			<i>For Verticals Up To 2" On Center, Add</i>	7.98	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	3.99	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-3.99	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-7.98	
			<i>For Solid Pickets, Add</i>	12.20	
			<i>For Aluminum With Satin Finish, Add</i>	8.74	
			<i>For Third Rail, Add</i>	2.99	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	9.97	
			<i>For 4" Square Posts, Add</i>	13.96	
32 31	19 00-0040	LF	8' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	69.16	11.71
			<i>For Verticals Up To 2" On Center, Add</i>	9.15	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	4.57	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-4.57	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-9.15	
			<i>For Solid Pickets, Add</i>	13.80	
			<i>For Aluminum With Satin Finish, Add</i>	10.20	
			<i>For Third Rail, Add</i>	3.43	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	11.43	
			<i>For 4" Square Posts, Add</i>	16.01	
32 31	19 00-0041	LF	9' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	80.09	12.55
			<i>For Verticals Up To 2" On Center, Add</i>	11.00	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	5.50	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-5.50	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-11.00	
			<i>For Solid Pickets, Add</i>	16.14	
			<i>For Aluminum With Satin Finish, Add</i>	12.73	
			<i>For Third Rail, Add</i>	4.12	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	13.75	
			<i>For 4" Square Posts, Add</i>	19.25	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0042 LF 10' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	91.14	13.45
For Verticals Up To 2" On Center, Add	12.85	
For Verticals >2" To 2-1/2" On Center, Add	6.43	
For Verticals >3" To 4" On Center, Deduct	-6.43	
For Verticals >4" To 6" On Center, Deduct	-12.85	
For Solid Pickets, Add	18.49	
For Aluminum With Satin Finish, Add	15.24	
For Third Rail, Add	4.82	
For 1" Square x 14 Gauge Pickets, Add	16.06	
For 6" Square Posts, Add	22.49	
32 31 19 00-0043 LF 12' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	107.09	14.94
For Verticals Up To 2" On Center, Add	15.44	
For Verticals >2" To 2-1/2" On Center, Add	7.72	
For Verticals >3" To 4" On Center, Deduct	-7.72	
For Verticals >4" To 6" On Center, Deduct	-15.44	
For Solid Pickets, Add	21.85	
For Aluminum With Satin Finish, Add	18.68	
For Third Rail, Add	5.79	
For 1" Square x 14 Gauge Pickets, Add	19.30	
For 6" Square Posts, Add	27.02	
32 31 19 00-0044 LF 14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	114.75	16.14
For Verticals Up To 2" On Center, Add	16.50	
For Verticals >2" To 2-1/2" On Center, Add	8.25	
For Verticals >3" To 4" On Center, Deduct	-8.25	
For Verticals >4" To 6" On Center, Deduct	-16.50	
For Solid Pickets, Add	23.40	
For Aluminum With Satin Finish, Add	19.90	
For Third Rail, Add	6.19	
For 1" Square x 14 Gauge Pickets, Add	20.62	
For 6" Square Posts, Add	28.87	
32 31 19 00-0045 Steel Tube Swing Gates (32 31 19 00-0032)		
32 31 19 00-0046 3' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0047 EA 3' Wide x 3' High Steel Tube Single Swing Gate	494.96	12.73
Note: Includes mounting hardware and associated trim.		
For Solid Pickets, Add	108.50	
For Aluminum With Satin Finish, Add	131.28	
For Third Rail, Add	34.25	
For 1" Square x 14 Gauge Pickets, Add	45.67	
32 31 19 00-0048 EA 3'-6" Wide x 3' High Steel Tube Single Swing Gate	551.22	13.33
Note: Includes mounting hardware and associated trim.		
For Solid Pickets, Add	121.02	
For Aluminum With Satin Finish, Add	147.34	
For Third Rail, Add	38.34	
For 1" Square x 14 Gauge Pickets, Add	51.12	
32 31 19 00-0049 EA 4' Wide x 3' High Steel Tube Single Swing Gate	610.54	14.10
Note: Includes mounting hardware and associated trim.		
For Solid Pickets, Add	134.19	
For Aluminum With Satin Finish, Add	164.06	
For Third Rail, Add	42.61	
For 1" Square x 14 Gauge Pickets, Add	56.81	
32 31 19 00-0050 EA 5' Wide x 3' High Steel Tube Single Swing Gate	641.99	15.12
Note: Includes mounting hardware and associated trim.		
For Solid Pickets, Add	141.04	
For Aluminum With Satin Finish, Add	172.16	
For Third Rail, Add	44.74	
For 1" Square x 14 Gauge Pickets, Add	59.66	
32 31 19 00-0051 EA 6' Wide x 3' High Steel Tube Single Swing Gate	716.55	18.11
Note: Includes mounting hardware and associated trim.		
For Solid Pickets, Add	157.15	
For Aluminum With Satin Finish, Add	190.49	
For Third Rail, Add	49.66	
For 1" Square x 14 Gauge Pickets, Add	66.22	
32 31 19 00-0052 EA 7' Wide x 3' High Steel Tube Single Swing Gate	761.41	21.09
Note: Includes mounting hardware and associated trim.		
For Solid Pickets, Add	166.57	
For Aluminum With Satin Finish, Add	199.92	
For Third Rail, Add	52.35	
For 1" Square x 14 Gauge Pickets, Add	69.81	
32 31 19 00-0053 EA 8' Wide x 3' High Steel Tube Single Swing Gate	830.38	24.26
Note: Includes mounting hardware and associated trim.		
For Solid Pickets, Add	181.37	
For Aluminum With Satin Finish, Add	216.30	
For Third Rail, Add	56.81	
For 1" Square x 14 Gauge Pickets, Add	75.75	
32 31 19 00-0054 EA 9' Wide x 3' High Steel Tube Single Swing Gate	890.10	27.25
Note: Includes mounting hardware and associated trim.		
For Solid Pickets, Add	194.13	
For Aluminum With Satin Finish, Add	230.18	
For Third Rail, Add	60.62	
For 1" Square x 14 Gauge Pickets, Add	80.82	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0055	EA		10' Wide x 3' High Steel Tube Single Swing Gate.....	942.37	30.24
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	205.22	
			<i>For Aluminum With Satin Finish, Add</i>	241.84	
			<i>For Third Rail, Add</i>	63.87	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	85.15	
32 31 19 00-0056	EA		6' Wide x 3' High Steel Tube Double Swing Gate.....	1,035.59	25.46
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	227.27	
			<i>For Aluminum With Satin Finish, Add</i>	276.25	
			<i>For Third Rail, Add</i>	71.93	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	95.91	
32 31 19 00-0057	EA		7' Wide x 3' High Steel Tube Double Swing Gate.....	1,103.66	26.65
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	242.32	
			<i>For Aluminum With Satin Finish, Add</i>	295.06	
			<i>For Third Rail, Add</i>	76.77	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	102.36	
32 31 19 00-0058	EA		8' Wide x 3' High Steel Tube Double Swing Gate.....	1,221.07	28.26
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	268.38	
			<i>For Aluminum With Satin Finish, Add</i>	328.13	
			<i>For Third Rail, Add</i>	85.22	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	113.62	
32 31 19 00-0059	EA		9' Wide x 3' High Steel Tube Double Swing Gate.....	1,279.76	29.28
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	281.36	
			<i>For Aluminum With Satin Finish, Add</i>	344.40	
			<i>For Third Rail, Add</i>	89.39	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	119.19	
32 31 19 00-0060	EA		10' Wide x 3' High Steel Tube Double Swing Gate.....	1,327.29	30.24
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	291.83	
			<i>For Aluminum With Satin Finish, Add</i>	357.31	
			<i>For Third Rail, Add</i>	92.73	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	123.65	
32 31 19 00-0061	EA		12' Wide x 3' High Steel Tube Double Swing Gate.....	1,492.52	36.21
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	327.66	
			<i>For Aluminum With Satin Finish, Add</i>	398.81	
			<i>For Third Rail, Add</i>	103.78	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	138.38	
32 31 19 00-0062	EA		14' Wide x 3' High Steel Tube Double Swing Gate.....	1,634.21	42.20
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	358.20	
			<i>For Aluminum With Satin Finish, Add</i>	433.25	
			<i>For Third Rail, Add</i>	113.06	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	150.75	
32 31 19 00-0063	EA		16' Wide x 3' High Steel Tube Double Swing Gate.....	1,752.35	48.59
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	383.34	
			<i>For Aluminum With Satin Finish, Add</i>	460.09	
			<i>For Third Rail, Add</i>	120.49	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	160.65	
32 31 19 00-0064	EA		18' Wide x 3' High Steel Tube Double Swing Gate.....	1,850.74	54.50
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	404.14	
			<i>For Aluminum With Satin Finish, Add</i>	481.53	
			<i>For Third Rail, Add</i>	126.52	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	168.70	
32 31 19 00-0065	EA		20' Wide x 3' High Steel Tube Double Swing Gate.....	1,930.55	60.48
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	420.75	
			<i>For Aluminum With Satin Finish, Add</i>	497.41	
			<i>For Third Rail, Add</i>	131.17	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	174.89	
32 31 19 00-0066			4' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0045)</small>		
32 31 19 00-0067	EA		3' Wide x 4' High Steel Tube Single Swing Gate.....	572.55	11.95
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	125.80	
			<i>For Aluminum With Satin Finish, Add</i>	153.61	
			<i>For Third Rail, Add</i>	39.92	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	53.22	
32 31 19 00-0068	EA		3'-6" Wide x 4' High Steel Tube Single Swing Gate.....	619.84	13.92
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	136.33	
			<i>For Aluminum With Satin Finish, Add</i>	167.13	
			<i>For Third Rail, Add</i>	43.35	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	57.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0069 EA 4' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	668.62 147.08 180.42 46.79 62.38	14.94
32 31 19 00-0070 EA 5' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	708.74 155.88 191.11 49.57 66.09	15.90
32 31 19 00-0071 EA 6' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	762.86 167.34 203.04 52.91 70.55	19.12
32 31 19 00-0072 EA 7' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	836.79 183.26 220.91 57.74 76.99	22.29
32 31 19 00-0073 EA 8' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	939.18 205.58 247.33 64.70 86.27	25.46
32 31 19 00-0074 EA 9' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,039.09 227.34 273.00 71.48 95.30	28.69
32 31 19 00-0075 EA 10' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,134.04 247.99 297.19 77.88 103.84	31.86
32 31 19 00-0076 EA 6' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,145.10 251.60 307.22 79.83 106.44	26.89
32 31 19 00-0077 EA 7' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,239.68 272.65 334.25 86.70 115.60	27.85
32 31 19 00-0078 EA 8' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,337.24 294.16 360.83 93.57 124.76	29.88
32 31 19 00-0079 EA 9' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,414.49 311.31 382.66 99.14 132.19	30.84
32 31 19 00-0080 EA 10' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,479.36 325.69 400.78 103.78 138.38	31.86
32 31 19 00-0081 EA 12' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,677.96 368.94 451.76 117.24 156.32	38.19
32 31 19 00-0082 EA 14' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,851.79 406.61 495.30 128.84 171.79	44.59

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0083	EA	16' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,002.11	50.91
			<i>For Solid Pickets, Add</i>	439.00	
			<i>For Aluminum With Satin Finish, Add</i>	531.79	
			<i>For Third Rail, Add</i>	138.68	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	184.91	
32 31	19 00-0084	EA	18' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,131.39	57.31
			<i>For Solid Pickets, Add</i>	466.65	
			<i>For Aluminum With Satin Finish, Add</i>	561.97	
			<i>For Third Rail, Add</i>	146.95	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	195.93	
32 31	19 00-0085	EA	20' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,240.87	63.70
			<i>For Solid Pickets, Add</i>	489.85	
			<i>For Aluminum With Satin Finish, Add</i>	586.20	
			<i>For Third Rail, Add</i>	153.72	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	204.96	
32 31	19 00-0086		5' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31	19 00-0087	EA	3' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	623.55	13.92
			<i>For Solid Pickets, Add</i>	137.16	
			<i>For Aluminum With Satin Finish, Add</i>	168.24	
			<i>For Third Rail, Add</i>	43.63	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	58.17	
32 31	19 00-0088	EA	3'-6" Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	657.48	14.94
			<i>For Solid Pickets, Add</i>	144.57	
			<i>For Aluminum With Satin Finish, Add</i>	177.08	
			<i>For Third Rail, Add</i>	45.95	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	61.27	
32 31	19 00-0089	EA	4' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	690.18	15.90
			<i>For Solid Pickets, Add</i>	151.70	
			<i>For Aluminum With Satin Finish, Add</i>	185.54	
			<i>For Third Rail, Add</i>	48.18	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	64.24	
32 31	19 00-0090	EA	5' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	737.72	16.92
			<i>For Solid Pickets, Add</i>	162.18	
			<i>For Aluminum With Satin Finish, Add</i>	198.46	
			<i>For Third Rail, Add</i>	51.52	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	68.69	
32 31	19 00-0091	EA	6' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	801.10	20.32
			<i>For Solid Pickets, Add</i>	175.68	
			<i>For Aluminum With Satin Finish, Add</i>	212.90	
			<i>For Third Rail, Add</i>	55.51	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	74.01	
32 31	19 00-0092	EA	7' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	885.52	23.67
			<i>For Solid Pickets, Add</i>	193.91	
			<i>For Aluminum With Satin Finish, Add</i>	233.66	
			<i>For Third Rail, Add</i>	61.08	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	81.44	
32 31	19 00-0093	EA	8' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,003.97	27.25
			<i>For Solid Pickets, Add</i>	219.75	
			<i>For Aluminum With Satin Finish, Add</i>	264.35	
			<i>For Third Rail, Add</i>	69.16	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	92.21	
32 31	19 00-0094	EA	9' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,119.32	30.66
			<i>For Solid Pickets, Add</i>	244.94	
			<i>For Aluminum With Satin Finish, Add</i>	294.38	
			<i>For Third Rail, Add</i>	77.05	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	102.73	
32 31	19 00-0095	EA	10' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,232.21	34.01
			<i>For Solid Pickets, Add</i>	269.58	
			<i>For Aluminum With Satin Finish, Add</i>	323.68	
			<i>For Third Rail, Add</i>	84.75	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	113.00	
32 31	19 00-0096	EA	6' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,230.49	23.48
			<i>For Solid Pickets, Add</i>	271.83	
			<i>For Aluminum With Satin Finish, Add</i>	338.97	
			<i>For Third Rail, Add</i>	87.26	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	116.34	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0097	EA	7' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,302.32 287.15 355.49 91.81 122.41	27.37
32 31	19 00-0098	EA	8' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,374.80 302.57 371.91 96.35 128.47	31.49
32 31	19 00-0099	EA	9' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,475.09 324.30 396.97 103.04 137.39	35.44
32 31	19 00-0100	EA	10' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,563.00 343.24 418.31 108.79 145.06	39.32
32 31	19 00-0101	EA	12' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,779.71 391.07 477.70 124.11 165.48	43.74
32 31	19 00-0102	EA	14' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,974.21 433.79 529.85 137.66 183.55	48.52
32 31	19 00-0103	EA	16' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,147.75 471.71 575.11 149.54 199.39	53.84
32 31	19 00-0104	EA	18' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,303.48 505.46 614.13 159.94 213.26	59.82
32 31	19 00-0105	EA	20' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,441.36 535.06 646.92 168.85 225.14	66.51
32 31 19 00-0106 6' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)					
32 31	19 00-0107	EA	3' Wide x 6' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	648.78 142.52 173.93 45.21 60.28	15.30
32 31	19 00-0108	EA	3'-6" Wide x 6' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	682.11 149.84 182.85 47.53 63.37	16.14
32 31	19 00-0109	EA	4' Wide x 6' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	715.86 157.23 191.71 49.85 66.46	17.03
32 31	19 00-0110	EA	5' Wide x 6' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	757.40 166.34 202.74 52.73 70.30	18.11

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0111	EA	6' Wide x 6' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	849.20	21.87
			<i>For Solid Pickets, Add</i>	186.14	
			<i>For Aluminum With Satin Finish, Add</i>	225.18	
			<i>For Third Rail, Add</i>	58.76	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	78.35	
32 31	19 00-0112	EA	7' Wide x 6' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	947.18	25.70
			<i>For Solid Pickets, Add</i>	207.33	
			<i>For Aluminum With Satin Finish, Add</i>	249.47	
			<i>For Third Rail, Add</i>	65.26	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	87.01	
32 31	19 00-0113	EA	8' Wide x 6' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,056.97	29.28
			<i>For Solid Pickets, Add</i>	231.23	
			<i>For Aluminum With Satin Finish, Add</i>	277.56	
			<i>For Third Rail, Add</i>	72.68	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	96.91	
32 31	19 00-0114	EA	9' Wide x 6' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,162.39	33.05
			<i>For Solid Pickets, Add</i>	254.10	
			<i>For Aluminum With Satin Finish, Add</i>	304.07	
			<i>For Third Rail, Add</i>	79.74	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	106.32	
32 31	19 00-0115	EA	10' Wide x 6' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,291.32	36.81
			<i>For Solid Pickets, Add</i>	282.26	
			<i>For Aluminum With Satin Finish, Add</i>	337.65	
			<i>For Third Rail, Add</i>	88.56	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	118.08	
32 31	19 00-0116	EA	6' Wide x 6' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	1,277.83	25.34
			<i>For Solid Pickets, Add</i>	282.09	
			<i>For Aluminum With Satin Finish, Add</i>	350.81	
			<i>For Third Rail, Add</i>	90.41	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	120.55	
32 31	19 00-0117	EA	7' Wide x 6' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	1,352.20	29.71
			<i>For Solid Pickets, Add</i>	297.89	
			<i>For Aluminum With Satin Finish, Add</i>	367.50	
			<i>For Third Rail, Add</i>	95.06	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	126.74	
32 31	19 00-0118	EA	8' Wide x 6' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	1,425.92	33.82
			<i>For Solid Pickets, Add</i>	313.58	
			<i>For Aluminum With Satin Finish, Add</i>	384.29	
			<i>For Third Rail, Add</i>	99.70	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	132.93	
32 31	19 00-0119	EA	9' Wide x 6' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	1,515.15	38.19
			<i>For Solid Pickets, Add</i>	332.72	
			<i>For Aluminum With Satin Finish, Add</i>	405.44	
			<i>For Third Rail, Add</i>	105.45	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	140.60	
32 31	19 00-0120	EA	10' Wide x 6' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	1,656.36	42.55
			<i>For Solid Pickets, Add</i>	363.56	
			<i>For Aluminum With Satin Finish, Add</i>	442.18	
			<i>For Third Rail, Add</i>	115.11	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	153.48	
32 31	19 00-0121	EA	12' Wide x 6' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	1,943.70	47.39
			<i>For Solid Pickets, Add</i>	427.18	
			<i>For Aluminum With Satin Finish, Add</i>	522.17	
			<i>For Third Rail, Add</i>	135.62	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	180.83	
32 31	19 00-0122	EA	14' Wide x 6' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	2,033.73	52.95
			<i>For Solid Pickets, Add</i>	446.25	
			<i>For Aluminum With Satin Finish, Add</i>	542.08	
			<i>For Third Rail, Add</i>	141.19	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	188.25	
32 31	19 00-0123	EA	16' Wide x 6' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	2,232.77	58.93
			<i>For Solid Pickets, Add</i>	489.75	
			<i>For Aluminum With Satin Finish, Add</i>	594.10	
			<i>For Third Rail, Add</i>	154.84	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	206.45	
32 31	19 00-0124	EA	18' Wide x 6' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	2,415.21	65.55
			<i>For Solid Pickets, Add</i>	529.37	
			<i>For Aluminum With Satin Finish, Add</i>	640.26	
			<i>For Third Rail, Add</i>	167.09	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	222.79	



Exterior Improvements	32
Site Improvements	32 30
Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0125 EA 20' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,584.20 565.77 681.19 178.14 237.52	73.15
32 31 19 00-0126 7' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0045)</small>		
32 31 19 00-0127 EA 3' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	687.20 150.89 183.76 47.81 63.74	16.55
32 31 19 00-0128 EA 3'-6" Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	722.01 158.52 193.02 50.22 66.96	17.45
32 31 19 00-0129 EA 4' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	756.95 166.18 202.26 52.63 70.18	18.35
32 31 19 00-0130 EA 5' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	791.93 173.84 211.49 55.05 73.40	19.31
32 31 19 00-0131 EA 6' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	915.87 200.78 243.03 63.40 84.54	23.48
32 31 19 00-0132 EA 7' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,029.31 225.41 271.68 71.01 94.68	27.49
32 31 19 00-0133 EA 8' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,111.17 242.89 290.59 76.21 101.62	31.62
32 31 19 00-0134 EA 9' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,204.81 263.06 313.31 82.34 109.78	35.62
32 31 19 00-0135 EA 10' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,320.09 288.06 342.24 90.04 120.06	39.81
32 31 19 00-0136 EA 6' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,352.40 298.47 370.81 95.61 127.48	27.13
32 31 19 00-0137 EA 7' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,429.91 314.93 388.15 100.44 133.92	31.73
32 31 19 00-0138 EA 8' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,508.07 331.48 405.39 105.27 140.36	36.58

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0139	EA	9' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,586.82	41.18
			<i>For Solid Pickets, Add</i>	348.21	
			<i>For Aluminum With Satin Finish, Add</i>	423.09	
			<i>For Third Rail, Add</i>	110.19	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	146.92	
32 31	19 00-0140	EA	10' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,787.51	46.02
			<i>For Solid Pickets, Add</i>	392.33	
			<i>For Aluminum With Satin Finish, Add</i>	477.09	
			<i>For Third Rail, Add</i>	124.20	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	165.60	
32 31	19 00-0141	EA	12' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,162.80	51.34
			<i>For Solid Pickets, Add</i>	475.64	
			<i>For Aluminum With Satin Finish, Add</i>	582.87	
			<i>For Third Rail, Add</i>	151.22	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	201.62	
32 31	19 00-0142	EA	14' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,136.01	57.55
			<i>For Solid Pickets, Add</i>	468.28	
			<i>For Aluminum With Satin Finish, Add</i>	566.85	
			<i>For Third Rail, Add</i>	147.87	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	197.17	
32 31	19 00-0143	EA	16' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,313.48	64.18
			<i>For Solid Pickets, Add</i>	506.78	
			<i>For Aluminum With Satin Finish, Add</i>	611.51	
			<i>For Third Rail, Add</i>	159.76	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	213.01	
32 31	19 00-0144	EA	18' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,525.79	71.78
			<i>For Solid Pickets, Add</i>	552.92	
			<i>For Aluminum With Satin Finish, Add</i>	665.44	
			<i>For Third Rail, Add</i>	174.05	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	232.07	
32 31	19 00-0145	EA	20' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,664.56	80.08
			<i>For Solid Pickets, Add</i>	582.37	
			<i>For Aluminum With Satin Finish, Add</i>	696.42	
			<i>For Third Rail, Add</i>	182.68	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	243.58	
32 31	19 00-0146		8' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0045)</small>		
32 31	19 00-0147	EA	3' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	746.89	17.92
			<i>For Solid Pickets, Add</i>	164.02	
			<i>For Aluminum With Satin Finish, Add</i>	199.87	
			<i>For Third Rail, Add</i>	51.98	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	69.31	
32 31	19 00-0148	EA	3'-6" Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	783.30	18.88
			<i>For Solid Pickets, Add</i>	171.98	
			<i>For Aluminum With Satin Finish, Add</i>	209.44	
			<i>For Third Rail, Add</i>	54.49	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	72.65	
32 31	19 00-0149	EA	4' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	822.19	19.90
			<i>For Solid Pickets, Add</i>	180.51	
			<i>For Aluminum With Satin Finish, Add</i>	219.76	
			<i>For Third Rail, Add</i>	57.18	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	76.24	
32 31	19 00-0150	EA	5' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	856.29	22.17
			<i>For Solid Pickets, Add</i>	187.67	
			<i>For Aluminum With Satin Finish, Add</i>	226.90	
			<i>For Third Rail, Add</i>	59.22	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	78.97	
32 31	19 00-0151	EA	6' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,013.48	25.10
			<i>For Solid Pickets, Add</i>	222.39	
			<i>For Aluminum With Satin Finish, Add</i>	270.16	
			<i>For Third Rail, Add</i>	70.36	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	93.82	
32 31	19 00-0152	EA	7' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,126.78	30.24
			<i>For Solid Pickets, Add</i>	246.71	
			<i>For Aluminum With Satin Finish, Add</i>	297.16	
			<i>For Third Rail, Add</i>	77.70	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	103.60	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0153	EA		8' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,175.15	35.20
				<i>For Solid Pickets, Add</i>	256.48	
				<i>For Aluminum With Satin Finish, Add</i>	304.94	
				<i>For Third Rail, Add</i>	80.20	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	106.94	
32 31	19 00-0154	EA		9' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,258.77	40.40
				<i>For Solid Pickets, Add</i>	274.12	
				<i>For Aluminum With Satin Finish, Add</i>	323.04	
				<i>For Third Rail, Add</i>	85.31	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	113.75	
32 31	19 00-0155	EA		10' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,331.23	45.59
				<i>For Solid Pickets, Add</i>	289.26	
				<i>For Aluminum With Satin Finish, Add</i>	337.79	
				<i>For Third Rail, Add</i>	89.58	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	119.44	
32 31	19 00-0156	EA		6' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,470.29	28.98
				<i>For Solid Pickets, Add</i>	324.60	
				<i>For Aluminum With Satin Finish, Add</i>	403.81	
				<i>For Third Rail, Add</i>	104.06	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	138.75	
32 31	19 00-0157	EA		7' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,556.70	34.96
				<i>For Solid Pickets, Add</i>	342.76	
				<i>For Aluminum With Satin Finish, Add</i>	422.04	
				<i>For Third Rail, Add</i>	109.26	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	145.68	
32 31	19 00-0158	EA		8' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,641.20	40.70
				<i>For Solid Pickets, Add</i>	360.54	
				<i>For Aluminum With Satin Finish, Add</i>	440.00	
				<i>For Third Rail, Add</i>	114.36	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	152.49	
32 31	19 00-0159	EA		9' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,711.52	46.74
				<i>For Solid Pickets, Add</i>	375.08	
				<i>For Aluminum With Satin Finish, Add</i>	453.40	
				<i>For Third Rail, Add</i>	118.36	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	157.81	
32 31	19 00-0160	EA		10' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,989.76	52.71
				<i>For Solid Pickets, Add</i>	436.41	
				<i>For Aluminum With Satin Finish, Add</i>	529.19	
				<i>For Third Rail, Add</i>	137.94	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	183.92	
32 31	19 00-0161	EA		12' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,482.87	59.34
				<i>For Solid Pickets, Add</i>	545.93	
				<i>For Aluminum With Satin Finish, Add</i>	668.54	
				<i>For Third Rail, Add</i>	173.49	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	231.33	
32 31	19 00-0162	EA		14' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,264.45	66.94
				<i>For Solid Pickets, Add</i>	495.15	
				<i>For Aluminum With Satin Finish, Add</i>	593.25	
				<i>For Third Rail, Add</i>	155.49	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	207.32	
32 31	19 00-0163	EA		16' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,423.10	75.72
				<i>For Solid Pickets, Add</i>	528.98	
				<i>For Aluminum With Satin Finish, Add</i>	629.60	
				<i>For Third Rail, Add</i>	165.51	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	220.68	
32 31	19 00-0164	EA		18' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,669.78	85.34
				<i>For Solid Pickets, Add</i>	582.41	
				<i>For Aluminum With Satin Finish, Add</i>	691.18	
				<i>For Third Rail, Add</i>	181.94	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	242.59	
32 31	19 00-0165	EA		20' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,720.48	96.15
				<i>For Solid Pickets, Add</i>	591.50	
				<i>For Aluminum With Satin Finish, Add</i>	692.49	
				<i>For Third Rail, Add</i>	183.43	
				<i>For 1" Square x 14 Gauge Pickets, Add</i>	244.57	
32 31 19 00-0166 Replace Steel Tube Fence Pickets <small>(32 31 19 00-0032)</small>						
	32 31 19 00-0167	LF		Replace 3/4" Square x 16 Gauge Steel Tube Fence Picket <i>For 1" Square x 14 Gauge Pickets, Add</i>	16.28 0.43	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 19 00-0168	Remove And Reinstall Ornamental Fences <small>(32 31 19)</small> Note: Removal and reinstallation of fences including storage and cleaning. Excludes augering and concrete.		
32 31 19 00-0169	LF Removal And Reinstallation Of Ornamental Fence Up To 5' Height.....	26.89	
32 31 19 00-0170	LF Removal And Reinstallation Of Ornamental Fence, 6' Height.....	29.58	
32 31 19 00-0171	LF Removal And Reinstallation Of Ornamental Fence, 7' Height.....	32.27	
32 31 19 00-0172	LF Removal And Reinstallation Of Ornamental Fence, 8' Height.....	34.96	
32 31 19 00-0173	LF Removal And Reinstallation Of Ornamental Fence, 9' Height.....	37.65	
32 31 19 00-0174	LF Removal And Reinstallation Of Ornamental Fence, 10' Height.....	40.34	
32 31 19 00-0175	LF Removal And Reinstallation Of Ornamental Fence 12' Height.....	44.82	
32 31 26	Wire Fences And Gates <small>(32 31)</small>		
32 31 26 00-0001	Chicken Wire <small>(32 31 26)</small> Note: Posts at 4'.		
32 31 26 00-0002	LF 1" Mesh, 4' High Chicken Wire Posts At 4'.....	4.98	1.05
32 31 26 00-0003	LF 2" Mesh, 6' High Chicken Wire Posts At 4'.....	5.43	1.05
32 31 26 00-0004	Wire And Screen <small>(32 31 26)</small>		
32 31 26 00-0005	Wire And Screen For Partitions And Fences <small>(32 31 26 00-0004)</small> Note: Excludes framing and post.		
32 31 26 00-0006	Screen Wire <small>(32 31 26 00-0005)</small>		
32 31 26 00-0007	LF Screen Wire, 48" Wide Rolls.....	6.87	0.59
32 31 26 00-0008	Hog Wire <small>(32 31 26 00-0005)</small>		
32 31 26 00-0009	SF 4" x 4" Hog Wire For Fencing.....	1.21	0.47
32 31 26 00-0010	SF 6" x 6" Hog Wire For Fencing.....	1.27	0.53
32 31 26 00-0011	Non-Climb Horse Fence <small>(32 31 26 00-0005)</small>		
32 31 26 00-0012	LF 4' Non-Climb Woven, 12.5 Gauge, Horse Fence.....	5.51	1.89
32 31 26 00-0013	LF 5' Non-Climb Woven, 12.5 Gauge, Horse Fence.....	7.07	2.37
32 31 26 00-0014	LF 6' Non-Climb Woven, 12.5 Gauge, Horse Fence.....	8.89	2.84
32 31 26 00-0015	Screen For Partitions And Ceilings <small>(32 31 26 00-0004)</small> Note: Can be used to support insulation on walls and ceilings.		
32 31 26 00-0016	SF 1" Mesh Chicken Wire.....	1.15	
32 31 26 00-0017	Wicket Fence <small>(32 31 26)</small>		
32 31 26 00-0018	LF Steel Wicket Fence, Painted.....	41.53	3.35
32 31 29	Wood Fences And Gates <small>(32 31)</small>		
	See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 29 00-0001	Basket Weave <small>(32 31 29)</small> Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0002	LF 6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post.....	21.38	2.11
	For Fastening With Screws Instead Of Nails, Add	1.29	
32 31 29 00-0003	LF 6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post.....	15.00	2.11
	For Fastening With Screws Instead Of Nails, Add	0.99	
32 31 29 00-0004	Board Fence <small>(32 31 29)</small> Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0005	LF Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated.....	13.06	2.11
	For 1" x 6" Boards, Deduct	-1.59	
	For 1" x 3" Boards (Stockade Top), Add	2.04	
	For Fastening With Screws Instead Of Nails, Add	0.90	
32 31 29 00-0006	LF Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated.....	14.35	2.11
	For 1" x 6" Boards, Deduct	-1.72	
	For 1" x 3" Boards (Stockade Top), Add	2.21	
	For Fastening With Screws Instead Of Nails, Add	0.98	
32 31 29 00-0007	LF Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated.....	15.60	2.11
	For 1" x 6" Boards, Deduct	-1.82	
	For 1" x 3" Boards (Stockade Top), Add	2.31	
	For Fastening With Screws Instead Of Nails, Add	1.05	
32 31 29 00-0008	LF Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated.....	16.51	2.11
	For 1" x 6" Boards, Deduct	-1.90	
	For 1" x 3" Boards (Stockade Top), Add	2.41	
	For Fastening With Screws Instead Of Nails, Add	1.11	
32 31 29 00-0009	LF Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated.....	17.47	2.11
	For 1" x 6" Boards, Deduct	-1.99	
	For 1" x 3" Boards (Stockade Top), Add	2.51	
	For Fastening With Screws Instead Of Nails, Add	1.17	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0010 LF Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar.....	13.62	2.11
For 1" x 6" Boards, Deduct	-1.61	
For 1" x 3" Boards (Stockade Top), Add	2.06	
For Fastening With Screws Instead Of Nails, Add	0.92	
32 31 29 00-0011 LF Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar.....	14.78	2.11
For 1" x 6" Boards, Deduct	-1.74	
For 1" x 3" Boards (Stockade Top), Add	2.22	
For Fastening With Screws Instead Of Nails, Add	1.00	
32 31 29 00-0012 LF Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar.....	15.60	2.11
For 1" x 6" Boards, Deduct	-1.82	
For 1" x 3" Boards (Stockade Top), Add	2.31	
For Fastening With Screws Instead Of Nails, Add	1.05	
32 31 29 00-0013 LF Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar.....	16.51	2.11
For 1" x 6" Boards, Deduct	-1.90	
For 1" x 3" Boards (Stockade Top), Add	2.41	
For Fastening With Screws Instead Of Nails, Add	1.11	
32 31 29 00-0014 LF Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar.....	17.47	2.11
For 1" x 6" Boards, Deduct	-1.99	
For 1" x 3" Boards (Stockade Top), Add	2.51	
For Fastening With Screws Instead Of Nails, Add	1.17	
32 31 29 00-0015 LF Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar.....	13.63	2.11
For 1" x 6" Boards, Deduct	-1.61	
For 1" x 3" Boards (Stockade Top), Add	2.06	
For Fastening With Screws Instead Of Nails, Add	0.92	
32 31 29 00-0016 LF Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar.....	16.70	2.11
For 1" x 6" Boards, Deduct	-1.82	
For 1" x 3" Boards (Stockade Top), Add	2.28	
For Fastening With Screws Instead Of Nails, Add	1.10	
32 31 29 00-0017 LF Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar.....	17.44	2.11
For 1" x 6" Boards, Deduct	-1.89	
For 1" x 3" Boards (Stockade Top), Add	2.36	
For Fastening With Screws Instead Of Nails, Add	1.14	
32 31 29 00-0018 LF Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar.....	18.58	2.11
For 1" x 6" Boards, Deduct	-1.98	
For 1" x 3" Boards (Stockade Top), Add	2.47	
For Fastening With Screws Instead Of Nails, Add	1.21	
32 31 29 00-0019 LF Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar.....	19.77	2.11
For 1" x 6" Boards, Deduct	-2.08	
For 1" x 3" Boards (Stockade Top), Add	2.58	
For Fastening With Screws Instead Of Nails, Add	1.28	
32 31 29 00-0020 Shadow Box <small>(32 31 29)</small>		
Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31 29 00-0021 LF Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine.....	13.97	2.11
For Fastening With Screws Instead Of Nails, Add	0.92	
32 31 29 00-0022 LF Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar.....	17.05	2.11
For Fastening With Screws Instead Of Nails, Add	1.11	
32 31 29 00-0023 LF Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar.....	18.14	2.11
For Fastening With Screws Instead Of Nails, Add	1.18	
32 31 29 00-0024 LF Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar.....	19.46	2.11
For Fastening With Screws Instead Of Nails, Add	1.26	
32 31 29 00-0025 Open Rail Fence <small>(32 31 29)</small>		
32 31 29 00-0026 Post And Rail Fence, Ranch Style <small>(32 31 29 00-0025)</small>		
32 31 29 00-0027 LF Post And Rail Fence, 2 Rails, 3' High #1 Cedar.....	11.46	2.11
32 31 29 00-0028 LF Post And Rail Fence, 2 Rails, 3' High #2 Cedar.....	10.21	2.11
32 31 29 00-0029 LF Post And Rail Fence, 3 Rails, 4' High #1 Cedar.....	12.89	2.11
32 31 29 00-0030 LF Post And Rail Fence, 3 Rails, 4' High #2 Cedar.....	10.95	2.11
32 31 29 00-0031 Split Rail Fence <small>(32 31 29 00-0025)</small>		
32 31 29 00-0032 LF Split Rail Fence, 2 Rails, 3' High #1 Cedar.....	11.13	2.11
32 31 29 00-0033 LF Split Rail Fence, 2 Rails, 3' High #2 Cedar.....	10.20	2.11
32 31 29 00-0034 LF Split Rail Fence, 3 Rail, 4' High #1 Cedar.....	12.28	2.11
32 31 29 00-0035 LF Split Rail Fence, 3 Rail, 4' High #2 Cedar.....	11.13	2.11
32 31 29 00-0036 Picket Fence <small>(32 31 29)</small>		
32 31 29 00-0037 LF Picket Fence, 2 Rail, 3' High, Pressure Treated.....	12.08	2.11
For Fastening With Screws Instead Of Nails, Add	0.86	
32 31 29 00-0038 LF Picket Fence, 2 Rail, 3' High #1 Cedar.....	11.80	2.11
For Fastening With Screws Instead Of Nails, Add	0.84	
32 31 29 00-0039 Wood Gate <small>(32 31 29)</small>		
32 31 29 00-0040 Board Fence Gates, Pressure Treated Wood <small>(32 31 29 00-0039)</small>		
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0041 EA 3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	198.86	75.01
32 31 29 00-0042 EA 3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	216.65	79.51

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 31 29 00-0043	EA	3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	240.44	87.01
32 31 29 00-0044	EA	3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	266.04	91.51
32 31 29 00-0045	EA	3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	291.64	96.01
32 31 29 00-0046	EA	>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	256.63	99.01
32 31 29 00-0047	EA	>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	275.39	103.51
32 31 29 00-0048	EA	>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	294.16	108.02
32 31 29 00-0049	EA	>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	322.69	112.52
32 31 29 00-0050	EA	>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	346.34	117.02
32 31 29 00-0051		Board Fence Gates, Grade 2 Cedar <small>(32 31 29 00-0039)</small>		
		Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0052	EA	3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	263.69	65.91
32 31 29 00-0053	EA	3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	274.53	69.87
32 31 29 00-0054	EA	3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	291.62	76.47
32 31 29 00-0055	EA	3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	307.34	80.42
32 31 29 00-0056	EA	3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	326.00	84.38
32 31 29 00-0057	EA	>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	320.52	87.02
32 31 29 00-0058	EA	>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	333.32	90.97
32 31 29 00-0059	EA	>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	351.00	94.93
32 31 29 00-0060	EA	>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	368.67	98.88
32 31 29 00-0061	EA	>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	386.35	102.84
32 31 29 00-0062		Board Fence Gates, Grade 1 Cedar <small>(32 31 29 00-0039)</small>		
		Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0063	EA	3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	278.34	65.91
32 31 29 00-0064	EA	3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	291.14	69.87
32 31 29 00-0065	EA	3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	309.20	76.47
32 31 29 00-0066	EA	3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	326.88	80.42
32 31 29 00-0067	EA	3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	344.56	84.38
32 31 29 00-0068	EA	>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	340.06	87.02
32 31 29 00-0069	EA	>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	352.85	90.97
32 31 29 00-0070	EA	>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	370.53	94.93
32 31 29 00-0071	EA	>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	388.21	98.88
32 31 29 00-0072	EA	>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	410.77	102.84
32 31 29 00-0073		Pressure Treated Wood Fence Posts <small>(32 31 29)</small>		
		See CSI section 32 31 13 13-0001 for drilling augering, 32 31 56 00-0017 for barbed wire.		
32 31 29 00-0074	EA	4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	19.27	7.50
32 31 29 00-0075	EA	6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	20.81	7.50
32 31 29 00-0076	EA	4' High, Pressure Treated Wood Fence Posts, Set In Concrete	35.05	14.40
32 31 29 00-0077	EA	6' High, Pressure Treated Wood Fence Posts, Set In Concrete	36.81	14.40
32 31 56 Wild Life Deterrent Fence <small>(32 31)</small>				
32 31 56 00-0001		Barbed Wire Fences <small>(32 31 56)</small>		
		Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 56 00-0002		Fence Posts <small>(32 31 56 00-0001)</small>		
32 31 56 00-0003		Fence Post Soil, Set In Concrete <small>(32 31 56 00-0002)</small>		
32 31 56 00-0004	EA	Barbed Wire Fence Post, Galvanized Set In Concrete In Soil	59.00	4.78
		For Bracing On Corner Post, End Post And Pull Post, Add	95.14	
32 31 56 00-0005	EA	Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil	79.33	4.78
		For Bracing On Corner Post, End Post And Pull Post, Add	129.09	
32 31 56 00-0006		Post In Rock <small>(32 31 56 00-0002)</small>		
32 31 56 00-0007	EA	Barbed Wire Fence Post, Galvanized Grouted In Rock	57.94	4.78
		For Bracing On Corner Post, End Post And Pull Post, Add	93.55	
32 31 56 00-0008	EA	Barbed Wire Fence Post, Vinyl Coated Grouted In Rock	78.27	4.78
		For Bracing On Corner Post, End Post And Pull Post, Add	127.50	
32 31 56 00-0009		Studded Steel T-Posts, Enamel Paint Finish <small>(32 31 56 00-0001)</small>		
		Note: Posts for barb wire, chain link or welded wire mesh.		
32 31 56 00-0010	EA	5' Studded Steel T-Post, Driven Into Earth	14.92	
32 31 56 00-0011	EA	5'-6" Studded Steel T-Post, Driven Into Earth	15.28	
32 31 56 00-0012	EA	6' Studded Steel T-Post, Driven Into Earth	15.94	
32 31 56 00-0013	EA	6'-6" Studded Steel T-Post, Driven Into Earth	16.60	
32 31 56 00-0014	EA	7' Studded Steel T-Post, Driven Into Earth	17.46	
32 31 56 00-0015	EA	8' Studded Steel T-Post, Driven Into Earth	19.62	
32 31 56 00-0016	EA	10' Studded Steel T-Post, Driven Into Earth	23.66	
32 31 56 00-0017		Barbed Wire <small>(32 31 56 00-0001)</small>		
		Note: Per strand.		



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 56 00-0018 LF Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand.....	0.53	0.24
32 31 56 00-0019 LF Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand.....	0.61	0.24
32 31 56 00-0020 Barbed Wire Fence, Farm Style, With Wood Posts <small>(32 31 56 00-0001)</small>		
Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.		
32 31 56 00-0021 LF 4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts.....	6.61	1.56
Note: Posts at 10' maximum.		
32 32 Retaining Walls <small>(32 30)</small>		
32 32 13 Cast-In-Place Concrete Retaining Wall <small>(32 32)</small>		
Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.		
32 32 13 00-0001 LF 4' High With Base, 10" Thick Reinforced	232.56	84.56
For >3:1 Sloped Soil At Top, Add	5.40	
32 32 13 00-0002 LF 6' High With Base, 10" Thick Reinforced	290.14	104.05
For >3:1 Sloped Soil At Top, Add	6.97	
32 32 13 00-0003 LF 8' High With Base, 10" Thick Reinforced	316.10	112.22
For >3:1 Sloped Soil At Top, Add	7.79	
32 32 13 00-0004 LF 10' High With Base, 13" Thick Reinforced	402.81	138.76
For >3:1 Sloped Soil At Top, Add	10.65	
32 32 13 00-0005 LF 12' High With Base, 14" Thick Reinforced	464.25	159.39
For >3:1 Sloped Soil At Top, Add	12.36	
32 32 13 00-0006 LF 16' High With Base, 16" Thick Reinforced	671.50	233.83
For >3:1 Sloped Soil At Top, Add	17.33	
32 32 13 00-0007 LF 20' High With Base, 18" Thick Reinforced	921.76	322.82
For >3:1 Sloped Soil At Top, Add	23.47	
32 32 13 00-0008 LF 4' High With Base, 12" Thick Reinforced	255.58	92.34
For >3:1 Sloped Soil At Top, Add	6.03	
32 32 13 00-0009 LF 6' High With Base, 12" Thick Reinforced	312.91	111.26
For >3:1 Sloped Soil At Top, Add	7.69	
32 32 13 00-0010 LF 8' High With Base, 12" Thick Reinforced	331.38	116.10
For >3:1 Sloped Soil At Top, Add	8.43	
32 32 13 00-0011 LF 10' High With Base, 16" Thick Reinforced	456.04	155.59
For >3:1 Sloped Soil At Top, Add	12.31	
32 32 13 00-0012 LF 12' High With Base, 18" Thick Reinforced	578.14	199.85
For >3:1 Sloped Soil At Top, Add	15.17	
32 32 13 00-0013 LF 16' High With Base, 21" Thick Reinforced	866.79	302.93
For >3:1 Sloped Soil At Top, Add	22.18	
32 32 13 00-0014 LF 20' High With Base, 24" Thick Reinforced	1,223.30	427.60
For >3:1 Sloped Soil At Top, Add	31.29	
32 32 16 Precast Concrete Retaining Walls <small>(32 32)</small>		
32 32 16 00-0001 Precast Retaining Walls <small>(32 32 16)</small>		
Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.		
32 32 16 00-0002 SF Precast Concrete Retaining Walls, 10-15' high Tied-back Earth Walls.....	32.34	7.92
32 32 16 00-0003 SF Precast Concrete Retaining Walls, 16-20' High Tied-back Earth Walls.....	32.09	6.36
32 32 16 00-0004 SF Precast Concrete Retaining Walls, 21-25' High Tied-back Earth Walls.....	32.47	5.30
32 32 16 00-0005 SF Precast Concrete Retaining Walls, 26-30' High Tied-back Earth Walls.....	34.84	5.30
32 32 16 00-0006 SF Precast Concrete Retaining Walls, >30' High Tied-back Earth Walls	36.22	4.53
32 32 23 Segmental Retaining Walls <small>(32 32)</small>		
32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls <small>(32 32 23)</small>		
32 32 23 13-0001 Modular Retaining Wall Systems <small>(32 32 23 13)</small>		
Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.		
32 32 23 13-0002 "Amastone" Type Modular Retaining Wall Systems <small>(32 32 23 13-0001)</small>		
32 32 23 13-0003 SF Up To 4' Height "Amastone" Type Modular Retaining Wall System.....	46.21	4.88
For >3:1 Sloped Soil At Top, Add	3.10	
32 32 23 13-0004 SF 4 To 8' Height "Amastone" Type Modular Retaining Wall System	48.77	5.13
For >3:1 Sloped Soil At Top, Add	3.27	
32 32 23 13-0005 SF 8 To 12' Height "Amastone" Type Modular Retaining Wall System	50.66	5.65
For >3:1 Sloped Soil At Top, Add	3.35	
32 32 23 13-0006 SF 12 To 16' Height "Amastone" Type Modular Retaining Wall System	52.69	6.17
For >3:1 Sloped Soil At Top, Add	3.43	
32 32 23 13-0007 "Diamond" Type Modular Retaining Wall Systems <small>(32 32 23 13-0001)</small>		
32 32 23 13-0008 SF Up To 4' Height "Diamond" Type Modular Retaining Wall System	48.12	4.88
For >3:1 Sloped Soil At Top, Add	3.26	
32 32 23 13-0009 SF 4 To 8' Height "Diamond" Type Modular Retaining Wall System.....	50.67	5.13
For >3:1 Sloped Soil At Top, Add	3.43	

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 23 13-0010 SF 8 To 12' Height "Diamond" Type Modular Retaining Wall System	52.56	5.65
For >3:1 Sloped Soil At Top, Add	3.51	
32 32 23 13-0011 SF 12 To 16' Height "Diamond" Type Modular Retaining Wall System	54.59	6.17
For >3:1 Sloped Soil At Top, Add	3.59	
32 32 23 13-0012 "Keystone" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0013 SF Up To 4' Height "Keystone" Type Modular Retaining Wall System	52.67	4.88
For >3:1 Sloped Soil At Top, Add	3.65	
32 32 23 13-0014 SF 4 To 8' Height "Keystone" Type Modular Retaining Wall System	55.23	5.13
For >3:1 Sloped Soil At Top, Add	3.82	
32 32 23 13-0015 SF 8 To 12' Height "Keystone" Type Modular Retaining Wall System	57.12	5.65
For >3:1 Sloped Soil At Top, Add	3.89	
32 32 23 13-0016 SF 12 To 16' Height "Keystone" Type Modular Retaining Wall System	59.15	6.17
For >3:1 Sloped Soil At Top, Add	3.98	
32 32 23 13-0017 "Criblock" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0018 SF Up To 4' Height "Criblock" Type Modular Retaining Wall System	46.21	4.88
For >3:1 Sloped Soil At Top, Add	3.10	
For Gravel Backfill Instead Of Earth, Add	0.25	
32 32 23 13-0019 SF 4 To 8' Height "Criblock" Type Modular Retaining Wall System	48.77	5.13
For >3:1 Sloped Soil At Top, Add	3.27	
For Gravel Backfill Instead Of Earth, Add	0.25	
32 32 23 13-0020 SF 8 To 12' Height "Criblock" Type Modular Retaining Wall System	50.66	5.65
For >3:1 Sloped Soil At Top, Add	3.35	
For Gravel Backfill Instead Of Earth, Add	0.25	
32 32 23 13-0021 SF 12 To 16' Height "Criblock" Type Modular Retaining Wall System	52.69	6.17
For >3:1 Sloped Soil At Top, Add	3.43	
For Gravel Backfill Instead Of Earth, Add	0.25	
32 32 23 13-0022 "Versa-Lok" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0023 SF Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System	40.43	4.88
For >3:1 Sloped Soil At Top, Add	2.61	
32 32 23 13-0024 SF 4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System	44.89	5.13
For >3:1 Sloped Soil At Top, Add	2.94	
32 32 23 13-0025 SF 8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System	46.82	5.65
For >3:1 Sloped Soil At Top, Add	3.02	
32 32 23 13-0026 SF 12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System	48.49	6.17
For >3:1 Sloped Soil At Top, Add	3.07	
32 32 23 13-0027 Retaining Wall Cap Block Restoration (32 32 23 13-0001)		
Note: Includes removal of existing cap block and installation of new cap block to match.		
32 32 23 13-0028 LF Removal And Reinstall Retaining Wall Cap Block And Pins	19.53	
For >3:1 Sloped Soil At Top, Add	1.06	
32 32 26 Metal Crib Retaining Walls (32 32)		
32 32 26 00-0001 Bin Type Retaining Wall (32 32 26)		
32 32 26 00-0002 Vertical Bin Walls (32 32 26 00-0001)		
Note: Excludes excavation and backfill.		
32 32 26 00-0003 SF 5.5' Vertical Bin Retaining Wall, Wall Heights To 11'	40.12	
32 32 26 00-0004 SF 7.7' Vertical Bin Retaining Wall, Wall Heights, 8.33' To 16.33'	47.11	
32 32 26 00-0005 SF 9.9' Vertical Bin Retaining Wall, Wall Heights, 13.67' To 21.67'	54.84	
32 32 26 00-0006 SF 12.1' Vertical Bin Retain Wall, Wall Heights 17.67' To 25.67'	59.03	
32 32 26 00-0007 SF 14.3' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	66.07	
32 32 26 00-0008 SF 16.5' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	70.27	
32 32 26 00-0009 Battered Bin Walls (32 32 26 00-0001)		
Note: Excludes excavation and backfill.		
32 32 26 00-0010 SF 5.5' Battered Bin Retain Wall, Wall Heights To 11'	36.17	
32 32 26 00-0011 SF 7.7' Battered Bin Retain Wall, Wall Heights 8.33' To 16.33'	38.97	
32 32 26 00-0012 SF 9.9' Battered Bin Retain Wall, Wall Heights 13.67' To 21.67'	43.84	
32 32 26 00-0013 SF 12.1' Battered Bin Retain Wall, Wall Heights 17.67' To 25.67'	48.73	
32 32 26 00-0014 SF 14.3' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	57.09	
32 32 26 00-0015 SF 16.5' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	58.49	
32 32 26 00-0016 Aluminized Steel Bin (32 32 26)		
Note: Excludes excavation and backfill.		
32 32 26 00-0017 SF 4' High, 5.5' Deep Aluminized Steel Bin	31.18	3.06
For >3:1 Sloped Soil At Top, Add	2.13	
For Galvanized Type, Deduct	-2.51	
32 32 26 00-0018 SF 8' High, 5.5' Deep Aluminized Steel Bin	35.03	3.06
For >3:1 Sloped Soil At Top, Add	2.45	
For Galvanized Type, Deduct	-2.89	



		Exterior Improvements	32
		Site Improvements	32 30
		Retaining Walls	32 32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 26 00-0019	SF		10' High, 7.7' Deep Aluminized Steel Bin..... <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	37.41 2.61 -3.08	3.35
32 32 26 00-0020	SF		12' High, 7.7' Deep Aluminized Steel Bin..... <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	42.61 2.98 -3.51	3.78
32 32 26 00-0021	SF		16' High, 7.7' Deep Aluminized Steel Bin..... <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	40.95 2.82 -3.32	3.91
32 32 26 00-0022	SF		16' High, 9.9' Deep Aluminized Steel Bin..... <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	45.78 3.22 -3.79	3.99
32 32 26 00-0023	SF		20' High, 9.9' Deep Aluminized Steel Bin..... <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	50.84 3.60 -4.24	4.21
32 32 26 00-0024	SF		20' High, 12.1' Deep Aluminized Steel Bin..... <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	52.03 3.68 -4.33	4.41
32 32 26 00-0025	SF		24' High, 12.1' Deep Aluminized Steel Bin..... <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	54.82 3.91 -4.60	4.41
32 32 26 00-0026	SF		24' High, 14.3' Deep Aluminized Steel Bin..... <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	57.59 4.14 -4.87	4.49
32 32 26 00-0027	SF		28' High, 14.3' Deep Aluminized Steel Bin..... <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	59.55 4.29 -5.05	4.56

32 32 29 Timber Retaining Walls (32 32)

32 32 29 00-0001 Wood Post Retaining Walls (32 32 29)

Note: System elements include wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0002	LF		4" x 4", 1' High, Redwood..... <i>For >3:1 Sloped Soil At Top, Add</i>	62.46 2.62	15.87
32 32 29 00-0003	LF		4" x 4", 2' High, Redwood..... <i>For >3:1 Sloped Soil At Top, Add</i>	122.11 5.10	31.06
32 32 29 00-0004	LF		4" x 4", 1' High, Cedar..... <i>For >3:1 Sloped Soil At Top, Add</i>	58.53 2.28	15.87
32 32 29 00-0005	LF		4" x 4", 2' High, Cedar..... <i>For >3:1 Sloped Soil At Top, Add</i>	114.47 4.45	31.06
32 32 29 00-0006	LF		4" x 4", 1' High, Pressure Treated Lumber..... <i>For >3:1 Sloped Soil At Top, Add</i>	57.23 2.50	13.86
32 32 29 00-0007	LF		4" x 4", 2' High, Pressure Treated Lumber..... <i>For >3:1 Sloped Soil At Top, Add</i>	112.10 4.92	27.11
32 32 29 00-0008	LF		4" x 4", 1' High, Creosoted Lumber..... <i>For >3:1 Sloped Soil At Top, Add</i>	50.59 2.21	12.30
32 32 29 00-0009	LF		4" x 4", 2' High, Creosoted Lumber..... <i>For >3:1 Sloped Soil At Top, Add</i>	91.46 3.99	22.27
32 32 29 00-0010	LF		6 x 6, 2' High, Redwood..... <i>For >3:1 Sloped Soil At Top, Add</i>	175.65 8.53	37.63
32 32 29 00-0011	LF		6 x 6, 4' High, Redwood..... <i>For >3:1 Sloped Soil At Top, Add</i>	348.27 17.07	73.76
32 32 29 00-0012	LF		6 x 6, 2' High, Cedar..... <i>For >3:1 Sloped Soil At Top, Add</i>	171.29 8.16	37.63
32 32 29 00-0013	LF		6 x 6, 4' High, Cedar..... <i>For >3:1 Sloped Soil At Top, Add</i>	337.36 16.14	73.76
32 32 29 00-0014	LF		6 x 6, 2' High, Pressure Treated Lumber..... <i>For >3:1 Sloped Soil At Top, Add</i>	155.01 7.98	30.56
32 32 29 00-0015	LF		6 x 6, 4' High, Pressure Treated Lumber..... <i>For >3:1 Sloped Soil At Top, Add</i>	308.43 15.96	60.35
32 32 29 00-0016	LF		6 x 6, 2' High, Creosoted Lumber..... <i>For >3:1 Sloped Soil At Top, Add</i>	124.22 6.40	24.44
32 32 29 00-0017	LF		6 x 6, 4' High, Creosoted Lumber..... <i>For >3:1 Sloped Soil At Top, Add</i>	245.16 12.71	47.82
32 32 29 00-0018	LF		8 x 8, 4' High, Redwood..... <i>For >3:1 Sloped Soil At Top, Add</i>	462.17 25.42	81.56
32 32 29 00-0019	LF		8 x 8, 6' High, Redwood..... <i>For >3:1 Sloped Soil At Top, Add</i>	865.43 47.68	152.25
32 32 29 00-0020	LF		8 x 8, 4' High, Cedar..... <i>For >3:1 Sloped Soil At Top, Add</i>	440.34 23.56	81.56
32 32 29 00-0021	LF		8 x 8, 6' High, Cedar..... <i>For >3:1 Sloped Soil At Top, Add</i>	823.95 44.16	152.25
32 32 29 00-0022	LF		8 x 8, 4' High, Pressure Treated Lumber..... <i>For >3:1 Sloped Soil At Top, Add</i>	410.82 18.92	94.08
32 32 29 00-0023	LF		8 x 8, 6' High, Pressure Treated Lumber..... <i>For >3:1 Sloped Soil At Top, Add</i>	766.11 35.25	175.69
32 32 29 00-0024	LF		8 x 8, 4' High, Creosoted Lumber..... <i>For >3:1 Sloped Soil At Top, Add</i>	332.14 15.31	76.04
32 32 29 00-0025	LF		8 x 8, 6' High, Creosoted Lumber..... <i>For >3:1 Sloped Soil At Top, Add</i>	616.03 28.39	141.06
32 32 29 00-0026	LF		Random Diameter Poles, Cedar 4' High..... <i>For >3:1 Sloped Soil At Top, Add</i>	117.30 4.64	31.34

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0027 LF Random Diameter Poles, Cedar 6' High	174.86	47.04
For >3:1 Sloped Soil At Top, Add	6.86	
32 32 29 00-0028 LF Random Diameter Poles, Cedar 8' High	232.35	62.68
For >3:1 Sloped Soil At Top, Add	9.09	
32 32 29 00-0029 LF Random Diameter Poles, 4' High Creosoted Lumber	88.92	17.70
For >3:1 Sloped Soil At Top, Add	4.55	
32 32 29 00-0030 LF Random Diameter Poles, 6' High Creosoted Lumber	129.70	25.56
For >3:1 Sloped Soil At Top, Add	6.68	
32 32 29 00-0031 LF Random Diameter Poles, 8' High	175.94	34.51
For >3:1 Sloped Soil At Top, Add	9.09	
32 32 29 00-0032 Post And Board Retaining Walls <small>(32 32 29)</small>		
Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0033 LF 4 x 4 Post, 4' Spacing, 3' High Redwood, 2" Planking	58.44	9.40
For >3:1 Sloped Soil At Top, Add	3.37	
32 32 29 00-0034 LF 4 x 4 Post, 2' Spacing, 4' High 2" Planking, Redwood	85.62	16.09
For >3:1 Sloped Soil At Top, Add	4.55	
32 32 29 00-0035 LF 6 x 6 Post, 4' Spacing, 5' High 2" Planking, Redwood	115.29	19.99
For >3:1 Sloped Soil At Top, Add	6.40	
32 32 29 00-0036 LF 6 x 6 Post, 3' Spacing, 6' High 2" Planking, Redwood	160.30	28.34
For >3:1 Sloped Soil At Top, Add	8.81	
32 32 29 00-0037 LF 6 x 6 With Deadman, 3' Spacing, 8' High 2" Planking, Redwood	210.11	36.85
For >3:1 Sloped Soil At Top, Add	11.60	
32 32 29 00-0038 LF 8 x 8 Post, 2' Spacing, 8' High 2" Planking, Redwood	438.32	72.93
For >3:1 Sloped Soil At Top, Add	24.86	
32 32 29 00-0039 LF 8 x 8 With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood	499.84	80.78
For >3:1 Sloped Soil At Top, Add	28.76	
32 32 29 00-0040 LF 4 x 4 Post, 4' Spacing, 3' High, 2" Planking, Cedar	58.68	9.80
For >3:1 Sloped Soil At Top, Add	3.32	
32 32 29 00-0041 LF 4 x 4 With Deadman, 2' Spacing, 4' High 2" Planking, Cedar	102.47	17.43
For >3:1 Sloped Soil At Top, Add	5.75	
32 32 29 00-0042 LF 6 x 6 Post, 4' Spacing, 4' High 2" Planking, Cedar	100.75	17.09
For >3:1 Sloped Soil At Top, Add	5.66	
32 32 29 00-0043 LF 6 x 6 Post, 3' Spacing, 5' High 2" Planking, Cedar	139.67	24.55
For >3:1 Sloped Soil At Top, Add	7.70	
32 32 29 00-0044 LF 6 x 6 Post, 2' Spacing, 6' High 2" Planking, Cedar	214.83	39.19
For >3:1 Sloped Soil At Top, Add	11.60	
32 32 29 00-0045 LF 6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar	172.63	30.11
For >3:1 Sloped Soil At Top, Add	9.55	
32 32 29 00-0046 LF 8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar	453.91	75.27
For >3:1 Sloped Soil At Top, Add	25.79	
32 32 29 00-0047 LF 4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated	58.59	18.10
For >3:1 Sloped Soil At Top, Add	1.90	
32 32 29 00-0048 LF 4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated	86.04	25.72
For >3:1 Sloped Soil At Top, Add	2.94	
32 32 29 00-0049 LF 4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat	130.58	35.29
For >3:1 Sloped Soil At Top, Add	5.10	
32 32 29 00-0050 LF 6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated	235.92	59.57
For >3:1 Sloped Soil At Top, Add	9.93	
32 32 29 00-0051 LF 6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated	241.38	59.57
For >3:1 Sloped Soil At Top, Add	10.39	
32 32 29 00-0052 LF 6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat	223.62	57.23
For >3:1 Sloped Soil At Top, Add	9.28	
32 32 29 00-0053 LF 8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated	533.94	131.66
For >3:1 Sloped Soil At Top, Add	23.01	
32 32 29 00-0054 LF 4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking	58.59	18.10
For >3:1 Sloped Soil At Top, Add	1.90	
32 32 29 00-0055 LF 4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking	86.04	25.72
For >3:1 Sloped Soil At Top, Add	2.94	
32 32 29 00-0056 LF 4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking	130.58	35.29
For >3:1 Sloped Soil At Top, Add	5.10	
32 32 29 00-0057 LF 6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking	165.29	43.92
For >3:1 Sloped Soil At Top, Add	6.59	
32 32 29 00-0058 LF 6 x 6 Post, 2' Spacing, 7' High Creosoted, 2" Planking	235.92	59.57
For >3:1 Sloped Soil At Top, Add	9.93	
32 32 29 00-0059 LF 6 x 6 Post With Deadman, 3' Spacing, 8' High, Creosoted, 2" Planking	223.62	57.23
For >3:1 Sloped Soil At Top, Add	9.28	
32 32 29 00-0060 LF 8 x 8 Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking	533.94	131.66
For >3:1 Sloped Soil At Top, Add	23.01	
32 32 29 00-0061 Wood Tie Retaining Walls, Rod Connector At 4' <small>(32 32 29)</small>		
Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0062 Redwood <small>(32 32 29 00-0061)</small>		
32 32 29 00-0063 LF 2' High, 6" x 6" Wood Tie Wall	90.95	19.27
For >3:1 Sloped Soil At Top, Add	4.45	
32 32 29 00-0064 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'	207.85	43.92
For >3:1 Sloped Soil At Top, Add	10.20	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				32 32 29 00-0065 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	310.72	65.86
				For >3:1 Sloped Soil At Top, Add	15.21	
				32 32 29 00-0066 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	320.24	56.45
				For >3:1 Sloped Soil At Top, Add	17.63	
				32 32 29 00-0067 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	481.52	84.67
				For >3:1 Sloped Soil At Top, Add	26.53	
				32 32 29 00-0068 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	637.36	111.34
				For >3:1 Sloped Soil At Top, Add	35.25	
				32 32 29 00-0069 Cedar (32 32 29 00-0061)		
				32 32 29 00-0070 LF 2' High, 6" x 6" Wood Tie Wall.....	88.77	19.27
				For >3:1 Sloped Soil At Top, Add	4.27	
				32 32 29 00-0071 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	201.30	43.92
				For >3:1 Sloped Soil At Top, Add	9.65	
				32 32 29 00-0072 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	301.99	65.86
				For >3:1 Sloped Soil At Top, Add	14.47	
				32 32 29 00-0073 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	304.96	56.45
				For >3:1 Sloped Soil At Top, Add	16.33	
				32 32 29 00-0074 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	459.69	84.67
				For >3:1 Sloped Soil At Top, Add	24.68	
				32 32 29 00-0075 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	606.81	111.34
				For >3:1 Sloped Soil At Top, Add	32.65	
				32 32 29 00-0076 Creosoted Wood (32 32 29 00-0061)		
				32 32 29 00-0077 LF 2' High, 6" x 8" Wood Tie Wall.....	88.34	25.56
				For >3:1 Sloped Soil At Top, Add	3.16	
				32 32 29 00-0078 LF 4' High, 6" x 8" Wood Tie Wall Deadman At 6'.....	201.64	58.78
				For >3:1 Sloped Soil At Top, Add	7.14	
				32 32 29 00-0079 LF 6' High, 6" x 8" Wood Tie Wall Deadman At 6'.....	299.55	87.01
				For >3:1 Sloped Soil At Top, Add	10.67	
				32 32 29 00-0080 LF 4' High, 7" x 9" Wood Tie Wall Deadman At 6'.....	404.81	118.35
				For >3:1 Sloped Soil At Top, Add	14.29	
				32 32 29 00-0081 LF 6' High, 7" x 9" Wood Tie Wall Deadman At 6'.....	589.26	172.41
				For >3:1 Sloped Soil At Top, Add	20.78	
				32 32 29 00-0082 LF 8' High, 7" x 9" Wood Tie Wall Deadman At 6'.....	782.39	228.58
				For >3:1 Sloped Soil At Top, Add	27.64	
				32 32 29 00-0083 Pressure Treated Wood (32 32 29 00-0061)		
				32 32 29 00-0084 LF 2' High, 6" x 6" Wood Tie Wall.....	81.06	15.92
				For >3:1 Sloped Soil At Top, Add	4.18	
				32 32 29 00-0085 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	184.54	36.08
				For >3:1 Sloped Soil At Top, Add	9.55	
				32 32 29 00-0086 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	276.27	54.11
				For >3:1 Sloped Soil At Top, Add	14.29	
				32 32 29 00-0087 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	283.98	65.08
				For >3:1 Sloped Soil At Top, Add	13.08	
				32 32 29 00-0088 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	428.01	97.25
				For >3:1 Sloped Soil At Top, Add	19.85	
				32 32 29 00-0089 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	566.36	129.32
				For >3:1 Sloped Soil At Top, Add	26.16	
				32 32 53 Stone Retaining Walls (32 32)		
				32 32 53 00-0001 Stone Retaining Walls (32 32 53)		
				Note: Construction is either dry set or mortar set. System elements include concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.		
				32 32 53 00-0002 Stone Retaining Walls (32 32 53 00-0001)		
				Note: Stone at \$16.00/ton.		
				32 32 53 00-0003 LF \$16.00/ton 3' High Stone Retaining Wall, Dry Set.....	256.74	115.63
				For >3:1 Sloped Soil At Top, Add	2.16	
				32 32 53 00-0004 LF \$16.00/ton 4' High Stone Retaining Wall, Dry Set.....	302.97	137.57
				For >3:1 Sloped Soil At Top, Add	2.36	
				32 32 53 00-0005 LF \$16.00/ton 6' High Stone Retaining Wall, Dry Set.....	398.07	182.78
				For >3:1 Sloped Soil At Top, Add	2.77	
				32 32 53 00-0006 LF \$16.00/ton 8' High Stone Retaining Wall, Dry Set.....	613.58	285.78
				For >3:1 Sloped Soil At Top, Add	3.57	
				32 32 53 00-0007 LF \$16.00/ton 10' High Stone Retaining Wall, Dry Set.....	797.37	373.83
				For >3:1 Sloped Soil At Top, Add	4.22	
				32 32 53 00-0008 LF \$16.00/ton 12' High Stone Retaining Wall, Dry Set.....	989.64	465.52
				For >3:1 Sloped Soil At Top, Add	4.98	
				32 32 53 00-0009 LF \$16.00/ton 3' High Stone Retaining Wall, Mortar Set.....	230.20	102.39
				For >3:1 Sloped Soil At Top, Add	2.16	
				32 32 53 00-0010 LF \$16.00/ton 4' High Stone Retaining Wall, Mortar Set.....	270.10	121.13
				For >3:1 Sloped Soil At Top, Add	2.36	
				32 32 53 00-0011 LF \$16.00/ton 6' High Stone Retaining Wall, Mortar Set.....	349.54	158.48
				For >3:1 Sloped Soil At Top, Add	2.77	
				32 32 53 00-0012 LF \$16.00/ton 8' High Stone Retaining Wall, Mortar Set.....	535.46	246.74
				For >3:1 Sloped Soil At Top, Add	3.57	

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0013	LF		\$16.00/ton 10' High Stone Retaining Wall, Mortar Set.....	687.79	319.07
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.22	
32 32 53 00-0014	LF		\$16.00/ton 12' High Stone Retaining Wall, Mortar Set.....	854.47	397.97
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.98	
32 32 53 00-0015 Stone Retaining Walls (32 32 53 00-0001)					
Note: Stone at \$32.00/ton.					
32 32 53 00-0016	LF		\$32.00/ton 3' High Stone Retaining Wall, Dry Set.....	264.43	115.63
			<i>For >3:1 Sloped Soil At Top, Add</i>	2.82	
32 32 53 00-0017	LF		\$32.00/ton 4' High Stone Retaining Wall, Dry Set.....	313.61	137.57
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.27	
32 32 53 00-0018	LF		\$32.00/ton 6' High Stone Retaining Wall, Dry Set.....	413.45	182.78
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.07	
32 32 53 00-0019	LF		\$32.00/ton 8' High Stone Retaining Wall, Dry Set.....	636.06	285.78
			<i>For >3:1 Sloped Soil At Top, Add</i>	5.48	
32 32 53 00-0020	LF		\$32.00/ton 10' High Stone Retaining Wall, Dry Set.....	828.13	373.83
			<i>For >3:1 Sloped Soil At Top, Add</i>	6.84	
32 32 53 00-0021	LF		\$32.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,028.68	465.52
			<i>For >3:1 Sloped Soil At Top, Add</i>	8.30	
32 32 53 00-0022	LF		\$32.00/ton 3' High Stone Retaining Wall, Mortar Set.....	237.89	102.39
			<i>For >3:1 Sloped Soil At Top, Add</i>	2.82	
32 32 53 00-0023	LF		\$32.00/ton 4' High Stone Retaining Wall, Mortar Set.....	280.74	121.13
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.27	
32 32 53 00-0024	LF		\$32.00/ton 6' High Stone Retaining Wall, Mortar Set.....	364.92	158.48
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.07	
32 32 53 00-0025	LF		\$32.00/ton 8' High Stone Retaining Wall, Mortar Set.....	557.94	246.74
			<i>For >3:1 Sloped Soil At Top, Add</i>	5.48	
32 32 53 00-0026	LF		\$32.00/ton 10' High Stone Retaining Wall, Mortar Set.....	718.55	319.07
			<i>For >3:1 Sloped Soil At Top, Add</i>	6.84	
32 32 53 00-0027	LF		\$32.00/ton 12' High Stone Retaining Wall, Mortar Set.....	893.51	397.97
			<i>For >3:1 Sloped Soil At Top, Add</i>	8.30	
32 32 53 00-0028 Stone Retaining Walls (32 32 53 00-0001)					
Note: Stone at \$48.00/ton.					
32 32 53 00-0029	LF		\$48.00/ton 3' High Stone Retaining Wall, Dry Set.....	272.71	115.63
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.52	
32 32 53 00-0030	LF		\$48.00/ton 4' High Stone Retaining Wall, Dry Set.....	324.14	137.57
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.16	
32 32 53 00-0031	LF		\$48.00/ton 6' High Stone Retaining Wall, Dry Set.....	428.23	182.78
			<i>For >3:1 Sloped Soil At Top, Add</i>	5.33	
32 32 53 00-0032	LF		\$48.00/ton 8' High Stone Retaining Wall, Dry Set.....	658.53	285.78
			<i>For >3:1 Sloped Soil At Top, Add</i>	7.39	
32 32 53 00-0033	LF		\$48.00/ton 10' High Stone Retaining Wall, Dry Set.....	858.88	373.83
			<i>For >3:1 Sloped Soil At Top, Add</i>	9.45	
32 32 53 00-0034	LF		\$48.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,068.31	465.52
			<i>For >3:1 Sloped Soil At Top, Add</i>	11.66	
32 32 53 00-0035	LF		\$48.00/ton 3' High Stone Retaining Wall, Mortar Set.....	246.17	102.39
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.52	
32 32 53 00-0036	LF		\$48.00/ton 4' High Stone Retaining Wall, Mortar Set.....	291.39	121.13
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.17	
32 32 53 00-0037	LF		\$48.00/ton 6' High Stone Retaining Wall, Mortar Set.....	379.70	158.48
			<i>For >3:1 Sloped Soil At Top, Add</i>	5.33	
32 32 53 00-0038	LF		\$48.00/ton 8' High Stone Retaining Wall, Mortar Set.....	580.41	246.74
			<i>For >3:1 Sloped Soil At Top, Add</i>	7.39	
32 32 53 00-0039	LF		\$48.00/ton 10' High Stone Retaining Wall, Mortar Set.....	749.30	319.07
			<i>For >3:1 Sloped Soil At Top, Add</i>	9.45	
32 32 53 00-0040	LF		\$48.00/ton 12' High Stone Retaining Wall, Mortar Set.....	933.14	397.97
			<i>For >3:1 Sloped Soil At Top, Add</i>	11.66	
32 32 53 00-0041 Stone Retaining Walls (32 32 53 00-0001)					
Note: Stone at \$64.00/ton.					
32 32 53 00-0042	LF		\$64.00/ton 3' High Stone Retaining Wall, Dry Set.....	280.99	115.63
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.22	
32 32 53 00-0043	LF		\$64.00/ton 4' High Stone Retaining Wall, Dry Set.....	323.08	137.57
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.07	
32 32 53 00-0044	LF		\$64.00/ton 6' High Stone Retaining Wall, Dry Set.....	444.20	182.78
			<i>For >3:1 Sloped Soil At Top, Add</i>	6.69	
32 32 53 00-0045	LF		\$64.00/ton 8' High Stone Retaining Wall, Dry Set.....	682.19	285.78
			<i>For >3:1 Sloped Soil At Top, Add</i>	9.40	
32 32 53 00-0046	LF		\$64.00/ton 10' High Stone Retaining Wall, Dry Set.....	890.82	373.83
			<i>For >3:1 Sloped Soil At Top, Add</i>	12.17	
32 32 53 00-0047	LF		\$64.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,108.53	465.52
			<i>For >3:1 Sloped Soil At Top, Add</i>	15.08	
32 32 53 00-0048	LF		\$64.00/ton 3' High Stone Retaining Wall, Mortar Set.....	254.45	102.39
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.22	
32 32 53 00-0049	LF		\$64.00/ton 4' High Stone Retaining Wall, Mortar Set.....	302.04	121.13
			<i>For >3:1 Sloped Soil At Top, Add</i>	5.08	
32 32 53 00-0050	LF		\$64.00/ton 6' High Stone Retaining Wall, Mortar Set.....	395.67	158.48
			<i>For >3:1 Sloped Soil At Top, Add</i>	6.69	
32 32 53 00-0051	LF		\$64.00/ton 8' High Stone Retaining Wall, Mortar Set.....	604.07	246.74
			<i>For >3:1 Sloped Soil At Top, Add</i>	9.40	



		Exterior Improvements	32
		Site Improvements	32 30
		Retaining Walls	32 32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 32 53 00-0052	LF		\$64.00/ton 10' High Stone Retaining Wall, Mortar Set..... <i>For >3:1 Sloped Soil At Top, Add</i>	781.24 12.17	319.07
32 32 53 00-0053	LF		\$64.00/ton 12' High Stone Retaining Wall, Mortar Set..... <i>For >3:1 Sloped Soil At Top, Add</i>	973.36 15.08	397.97

32 33 Site Furnishings (32 30)

32 33 23 Site Trash and Litter Receptacles (32 33)

32 33 23 00-0001			Steel Trash Containment <small>(32 33 23)</small>		
32 33 23 00-0002			Steel Frame Surrounded With Kiln-Dried Wood <small>(32 33 23 00-0001)</small>		
32 33 23 00-0003	EA		13" x 13" x 30" Ash Receptacle Steel Frame, Kiln Dried Wood.....	357.04	31.44
32 33 23 00-0004	EA		24" x 24" x 30" High Open Top Trash Container Steel Frame, Kiln Dried Wood.....	340.14	31.44
32 33 23 00-0005	EA		21" x 21" x 31" High Flat Top Trash Container Steel Frame, Kiln Dried Wood.....	340.14	31.44
32 33 23 00-0006	EA		24" x 24" x 31" High, Flat Top Trash Container Steel Frame, Kiln Dried Wood.....	321.14	31.44
32 33 23 00-0007	EA		18" x 18" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood.....	357.04	31.44
32 33 23 00-0008	EA		23" x 23" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood.....	321.14	31.44
32 33 23 00-0009	EA		24" x 24" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood.....	445.72	31.44
32 33 23 00-0010			Square Steel Frames Surrounded With Flat Steel <small>(32 33 23 00-0001)</small>		
32 33 23 00-0011	EA		26" Diameter x 34" High Open Top Trash Square Container Steel Frame, Flat Steel Surround.....	658.22	31.44
32 33 23 00-0012	EA		26" Diameter x 34" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround.....	711.88	31.44
32 33 23 00-0013	EA		26" Diameter x 39" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround.....	711.88	31.44
32 33 23 00-0014			Round Steel Pipe And Flat Steel Frames <small>(32 33 23 00-0001)</small>		
			Note: Surrounded with kiln-dried wood.		
32 33 23 00-0015	EA		21" Diameter x 32" High Open Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood.....	980.19	31.44
32 33 23 00-0016	EA		21" Diameter x 32" High Flat Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood.....	1,056.85	31.44
32 33 23 00-0017	EA		21" Diameter x 39" High Dome Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood.....	1,219.75	31.44
32 33 23 00-0018	EA		21" Diameter x 40" High HPR Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood.....	1,104.77	31.44
32 33 23 00-0019			Round Steel Pipe Surrounded With Perforated <small>(32 33 23 00-0001)</small>		
32 33 23 00-0020	EA		21" Diameter x 32" High Open Top Trash Container Perforated Round Steel Pipe.....	874.79	31.44
32 33 23 00-0021	EA		21" Diameter x 32" High Flat Top Trash Container Perforated Round Steel Pipe.....	951.45	31.44
32 33 23 00-0022	EA		21" Diameter x 39" High Dome Top Trash Container Perforated Round Steel Pipe.....	1,114.35	31.44
32 33 23 00-0023	EA		21" Diameter x 40" High HPR Top Trash Container Perforated Round Steel Pipe.....	1,008.94	31.44
32 33 23 00-0024			Round Steel Pipe Frames Surrounded With Welded Wire <small>(32 33 23 00-0001)</small>		
32 33 23 00-0025	EA		21" Diameter x 32" High Flat Top Trash Container Steel Pipe Frame, Welded Wire Surround.....	692.72	31.44
32 33 23 00-0026	EA		21" Diameter x 32" High Open Top Trash Steel Container Pipe Frame, Welded Wire Surround.....	769.38	31.44
32 33 23 00-0027	EA		21" Diameter x 39" High Dome Top Trash Steel Container Pipe Frame, Welded Wire Surround.....	932.28	31.44
32 33 23 00-0028	EA		21" Diameter x 40" High HPR Top Trash Container Steel Pipe Frame, Welded Wire Surround.....	826.87	31.44
32 33 23 00-0029			Litter Baskets <small>(32 33 23)</small>		
32 33 23 00-0030			Round Wire Litter Baskets <small>(32 33 23 00-0029)</small>		
32 33 23 00-0031	EA		1.33' Diameter x 1.83' High Round Wire Litter Basket.....	123.66	3.19
32 33 23 00-0032	EA		1.5' Diameter x 1.83' High Round Wire Litter Basket.....	156.45	3.19
32 33 23 00-0033	EA		1.75' Diameter x 2.33' High Round Wire Litter Basket.....	212.09	3.19
32 33 23 00-0034	EA		1.83' Diameter x 2.83' High Round Wire Litter Basket.....	243.49	3.19
32 33 23 00-0035			Trash Can/Wire Basket Holder <small>(32 33 23 00-0029)</small>		
32 33 23 00-0036	EA		Steel Post, Single Holder.....	168.88	25.68
32 33 23 00-0037	EA		Steel Post, Double Holder.....	231.64	25.68
32 33 23 00-0038	EA		Redwood Post, Single Holder.....	93.96	25.68
32 33 23 00-0039	EA		Redwood Post, Double Holder.....	111.08	25.68
32 33 23 00-0040			Litter Receptacles, Freestanding <small>(32 33 23 00-0029)</small>		
			Note: Includes 1-1/2" outside diameter steel leg supports. Wall mounted, includes 3/8" x 3" steel wall plates. Surface mounted, includes 2-1/2" outside diameter steel tube with floor flange, embedded to include 2-1/2" outside diameter steel tube.		
32 33 23 00-0041	EA		16" Diameter x 28" High Litter Receptacle, Freestanding Or Embedded.....	997.53	13.09
			<i>For Powder Coated Sand Pan, Add</i>	50.00	
			<i>For Orange Peel Lid, Add</i>	25.00	
			<i>For Polished Granite Lid, Add</i>	50.00	
32 33 23 00-0042	EA		16" Diameter x 32" High Litter Receptacle, Freestanding Or Embedded.....	1,050.32	13.09
			<i>For Powder Coated Sand Pan, Add</i>	50.00	
			<i>For Orange Peel Lid, Add</i>	25.00	
			<i>For Polished Granite Lid, Add</i>	50.00	
32 33 23 00-0043	EA		20" Diameter x 36" High Litter Receptacle, Freestanding Or Embedded.....	1,221.79	19.65
			<i>For Powder Coated Sand Pan, Add</i>	50.00	
			<i>For Orange Peel Lid, Add</i>	25.00	
			<i>For Polished Granite Lid, Add</i>	50.00	

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0044 EA 20" Diameter x 40" High Litter Receptacle, Freestanding Embedded.....	1,274.58	19.65
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0045 EA 16" Diameter x 28" High Litter Receptacle, Pole Mount With Pole.....	1,327.37	19.65
For Powder Coated Sand Pan, Add	50.00	
For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	22.50	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0046 EA 16" Diameter x 32" High Litter Receptacle, Pole Mount With Pole.....	1,380.16	19.65
For Powder Coated Sand Pan, Add	50.00	
For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	22.50	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0047 EA 16" Diameter x 28" High Litter Receptacle, Wall Mount.....	1,100.42	17.03
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
For 1-1/2" x 6" Diameter Metal Cover Plate, Add	20.00	
32 33 23 00-0048 EA 16" Diameter x 32" High Litter Receptacle, Wall Mount.....	1,153.21	17.03
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
For 1-1/2" x 6" Diameter Metal Cover Plate, Add	20.00	
32 33 23 00-0049 Ash Receptacles (32 33 23)		
32 33 23 00-0050 EA 12" Diameter x 21" High Ash Receptacle, Freestanding Or Embedded.....	387.26	13.09
For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	22.50	
For Sand Pan, Add	110.00	
For Bowl And Funnel, Add	120.00	
32 33 23 00-0051 EA 18" Square Concrete Exposed Aggregate x 36" High Ash Receptacles With 3-1/2" ID iron Pipe With Cap Square Concrete With Steel Liner.....	163.42	13.09
32 33 23 00-0052 Trash Receptacles (32 33 23)		
32 33 23 00-0053 EA Outdoor Covered Steel Receptacle With Liner.....	818.04	13.09
32 33 23 00-0054 EA Driftwood And Sable Receptacle, 35 Gallon With Liner And Frame.....	330.33	13.09
32 33 23 00-0055 EA 24" x 24" Square Trash Containment With Exposed Aggregate Finish.....	417.98	13.09
32 33 23 00-0056 EA 30" x 30" Square Trash Containment With Exposed Aggregate Finish.....	435.98	14.41
32 33 23 00-0057 EA 36" x 36" Square Trash Containment With Exposed Aggregate Finish.....	469.33	15.71
32 33 23 00-0058 EA 32 Gallon, Open Round Trash Receptacle, Recycled Plastic Lumber.....	147.90	10.48
32 33 23 00-0059 EA 32 Gallon, Round Trash Receptacle With Liner And Lid, Recycled Plastic Lumber.....	174.35	10.48
32 33 23 00-0060 EA 24" x 24" Square 18" High Trash Receptacle, Fiberglass.....	267.97	13.09
32 33 23 00-0061 Trash Containers (Dumpsters) (32 33 23)		
32 33 23 00-0062 EA 1 CY Straight Side Trash Dumpster.....	151.07	
32 33 23 00-0063 EA 1.5 CY Straight Side Trash Dumpster.....	226.61	
32 33 23 00-0064 EA 2 CY Straight Side Trash Dumpster.....	302.14	
32 33 23 00-0065 EA 2 CY Sloped Side Trash Dumpster.....	302.14	
32 33 23 00-0066 EA 3 CY Sloped Side Trash Dumpster.....	453.21	
32 33 23 00-0067 EA 4 CY Sloped Side Trash Dumpster.....	604.28	
32 33 23 00-0068 EA 6 CY Sloped Side Trash Dumpster.....	906.42	
32 33 23 00-0069 EA 8 CY Sloped Side Trash Dumpster.....	1,208.56	
32 33 33 Site Manufactured Planters (32 33)		
32 33 33 00-0001 Precast Concrete Planters (32 33 33)		
32 33 33 00-0002 Circular Precast Concrete Planters (32 33 33 00-0001)		
32 33 33 00-0003 EA 24" Diameter, 17" Height, Circular Precast Concrete Planter.....	413.54	16.24
32 33 33 00-0004 EA 24" Diameter, 24" Height, Circular Precast Concrete Planter.....	463.37	19.48
32 33 33 00-0005 EA 24" Diameter, 33" Height, Circular Precast Concrete Planter.....	506.71	19.48
32 33 33 00-0006 EA 30" Diameter, 17" Height, Circular Precast Concrete Planter.....	550.17	22.73
32 33 33 00-0007 EA 30" Diameter, 30" Height, Circular Precast Concrete Planter.....	666.38	29.22
32 33 33 00-0008 EA 36" Diameter, 24" Height, Circular Precast Concrete Planter.....	725.01	29.22
32 33 33 00-0009 EA 36" Diameter, 30" Height, Circular Precast Concrete Planter.....	816.90	32.46
32 33 33 00-0010 EA 48" Diameter, 17" Height, Circular Precast Concrete Planter.....	862.79	32.46
32 33 33 00-0011 EA 48" Diameter, 24" Height, Circular Precast Concrete Planter.....	961.85	40.58
32 33 33 00-0012 EA 48" Diameter, 30" Height, Circular Precast Concrete Planter.....	1,023.13	43.18
32 33 33 00-0013 EA 48" Diameter, 36" Height, Circular Precast Concrete Planter.....	1,065.91	45.46
32 33 33 00-0014 EA 60" Diameter, 17" Height, Circular Precast Concrete Planter.....	967.78	40.58
32 33 33 00-0015 EA 60" Diameter, 24" Height, Circular Precast Concrete Planter.....	1,064.64	45.46
32 33 33 00-0016 EA 60" Diameter, 36" Height, Circular Precast Concrete Planter.....	1,362.99	48.70
32 33 33 00-0017 EA 72" Diameter, 36" Height, Circular Precast Concrete Planter.....	1,768.77	61.68
32 33 33 00-0018 EA 84" Diameter, 36" Height, Circular Precast Concrete Planter.....	2,054.39	64.94
32 33 33 00-0019 Square Precast Concrete Planters (32 33 33 00-0001)		
32 33 33 00-0020 EA 36" Square, 30" Height, Square Precast Concrete Planter.....	834.71	42.21



		Exterior Improvements	32
		Site Improvements	32 30
		Site Furnishings	32 33

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 33 00-0021 EA 42" Square, 30" Height, Square Precast Concrete Planter	955.36	45.46
32 33 33 00-0022 EA 60" Square, 36" Height, Square Precast Concrete Planter	1,507.13	51.95
32 33 33 00-0023 EA 72" Square, 36" Height, Square Precast Concrete Planter	1,607.94	55.19
32 33 33 00-0024 Rectangular Precast Concrete Planters (32 33 33 00-0001)		
32 33 33 00-0025 EA 33" x 18", 20" Height, Rectangular Precast Concrete Planter	482.49	19.48
32 33 33 00-0026 EA 48" x 18", 20" Height, Rectangular Precast Concrete Planter	566.97	29.22
32 33 33 00-0027 EA 60" x 18", 20" Height, Rectangular Precast Concrete Planter	657.59	32.46
32 33 33 00-0028 EA 72" x 18", 20" Height, Rectangular Precast Concrete Planter	749.01	40.58
32 33 33 00-0029 Fiberglass Planters (32 33 33)		
32 33 33 00-0030 Circular Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0031 EA 36" Diameter, 27" High, Circular Fiberglass Planter	1,015.59	16.24
32 33 33 00-0032 EA 60" Diameter, 39" High, Circular Fiberglass Planter	1,693.14	16.24
32 33 33 00-0033 EA 36" Diameter, 24" High, Circular Fiberglass Planter	675.60	16.24
32 33 33 00-0034 EA 60" Diameter, 24" High, Circular Fiberglass Planter	1,335.96	16.24
32 33 33 00-0035 Tapered Circular Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0036 EA 24" Diameter, 20" High, Tapered Circular Fiberglass Planter	392.40	16.24
32 33 33 00-0037 EA 30" Diameter, 25" High, Tapered Circular Fiberglass Planter	577.39	16.24
32 33 33 00-0038 EA 36" Diameter, 30" High, Tapered Circular Fiberglass Planter	1,032.78	16.24
32 33 33 00-0039 EA 40" Diameter, 36" High, Tapered Circular Fiberglass Planter	1,443.97	16.24
32 33 33 00-0040 Square Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0041 EA 24" Square, 21" High, Square Fiberglass Planter	516.71	16.24
32 33 33 00-0042 EA 24" Square, 24" High, Square Fiberglass Planter	528.30	16.24
32 33 33 00-0043 EA 30" Square, 12" High, Square Fiberglass Planter	534.43	16.24
32 33 33 00-0044 EA 30" Square, 21" High, Square Fiberglass Planter	606.86	16.24
32 33 33 00-0045 EA 30" Square, 24" High, Square Fiberglass Planter	659.63	16.24
32 33 33 00-0046 Rectangular Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0047 EA 48" x 12", 12" High, Rectangular Fiberglass Planter	595.39	16.24
32 33 33 00-0048 EA 48" x 12", 21" High, Rectangular Fiberglass Planter	638.66	16.24
32 33 33 00-0049 EA 48" x 24", 12" High, Rectangular Fiberglass Planter	833.54	16.24
32 33 33 00-0050 EA 48" x 24", 21" High, Rectangular Fiberglass Planter	920.09	16.24
32 33 33 00-0051 Timber Planters (32 33 33)		
32 33 33 00-0052 Square Timber Planters (32 33 33 00-0051)		
32 33 33 00-0053 EA 14" Square, 30" High, Square Timber Planter	384.14	31.44
32 33 33 00-0054 EA 21" Square, 30" High, Square Timber Planter	384.14	31.44
32 33 33 00-0055 EA 27" Square, 30" High, Square Timber Planter	744.04	31.44
32 33 33 00-0056 EA 34" Square, 30" High, Square Timber Planter	642.66	31.44
32 33 33 00-0057 EA 41" Square, 36" High, Square Timber Planter	769.38	31.44
32 33 33 00-0058 EA 54" Square, 36" High, Square Timber Planter	2,006.22	31.44
32 33 33 00-0059 EA 81" Square, 36" High, Square Timber Planter	3,025.09	31.44
32 33 33 00-0060 Rectangular Timber Planters (32 33 33 00-0051)		
32 33 33 00-0061 EA 21" x 14", 30" High, Rectangular Timber Planter	379.07	31.44
32 33 33 00-0062 EA 27" x 14", 30" High, Rectangular Timber Planter	424.69	31.44
32 33 33 00-0063 EA 27" x 21", 30" High, Rectangular Timber Planter	561.55	31.44
32 33 33 00-0064 EA 34" x 21", 30" High, Rectangular Timber Planter	622.38	31.44
32 33 33 00-0065 EA 41" x 21", 30" High, Rectangular Timber Planter	804.87	31.44
32 33 33 00-0066 EA 34" x 27", 30" High, Rectangular Timber Planter	936.66	31.44
32 33 33 00-0067 EA 41" x 27", 30" High, Rectangular Timber Planter	1,048.18	31.44
32 33 33 00-0068 EA 54" x 27", 30" High, Rectangular Timber Planter	1,367.53	31.44
32 33 33 00-0069 EA 54" x 34", 30" High, Rectangular Timber Planter	1,544.94	31.44
32 33 33 00-0070 EA 68" x 34", 36" High, Rectangular Timber Planter	1,762.91	31.44
32 33 33 00-0071 EA 54" x 41", 36" High, Rectangular Timber Planter	1,676.74	31.44
32 33 33 00-0072 EA 68" x 41", 36" High, Rectangular Timber Planter	1,899.77	31.44
32 33 33 00-0073 EA 81" x 41", 36" High, Rectangular Timber Planter	2,127.88	31.44
32 33 43 Site Seating And Tables (32 33)		
32 33 43 13 Site Seating (32 33 43)		
32 33 43 13-0001 Benches (Landscapeforms) (32 33 43 13)		
Note: Excludes embedding in concrete See CSI section 32 31 13 13-0001 for drilling and concrete.		
32 33 43 13-0002 EA 72" Backless Wood Or PolySite Bench (Landscapeforms Balustrade)	1,369.80	52.40
32 33 43 13-0003 EA 72" Backed Wood Or PolySite Bench (Landscapeforms Balustrade)	1,724.00	52.40
32 33 43 13-0004 EA 96" Backed Wood Bench (Landscapeforms Balustrade)	1,951.70	52.40
32 33 43 13-0005 EA End Loop Arms For Backed Bench (Landscapeforms Balustrade)	152.70	13.09

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0006 EA 72" Backless Wood Or PolySite Bench (Landscapeforms Gretchen's).....	1,501.80	52.40
32 33 43 13-0007 EA 96" Backless Wood Bench (Landscapeforms Gretchen's).....	1,705.30	52.40
32 33 43 13-0008 EA 72" Backed Wood Or PolySite Bench (Landscapeforms Gretchen's).....	1,864.80	52.40
32 33 43 13-0009 EA 96" Backed Wood Bench (Landscapeforms Gretchen's).....	2,112.30	52.40
32 33 43 13-0010 EA 72" Backed Wood Or PolySite Bench With Armrest (Landscapeforms Gretchen's).....	2,139.80	52.40
32 33 43 13-0011 EA 96" Backed Wood Bench With Armrest (Landscapeforms Gretchen's).....	2,387.30	52.40
32 33 43 13-0012 EA 59" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park).....	2,791.66	52.40
32 33 43 13-0013 EA 75" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park).....	3,038.28	52.40
32 33 43 13-0014 EA 42" Backless Metal Grid Bench (Landscapeforms Manistee).....	766.54	39.30
32 33 43 13-0015 EA 62" Backless Metal Grid Bench (Landscapeforms Manistee).....	831.44	39.30
32 33 43 13-0016 EA 72" Backless Metal Grid Bench (Landscapeforms Manistee).....	896.46	45.85
32 33 43 13-0017 EA 82" Backless Metal Grid Bench (Landscapeforms Manistee).....	1,052.22	45.85
32 33 43 13-0018 EA 42" Backed Metal Grid Bench (Landscapeforms Manistee).....	961.36	45.85
32 33 43 13-0019 EA 62" Backed Metal Grid Bench (Landscapeforms Manistee).....	1,026.26	45.85
32 33 43 13-0020 EA 72" Backed Metal Grid Bench (Landscapeforms Manistee).....	1,104.26	52.40
32 33 43 13-0021 EA 82" Backed Metal Grid Bench (Landscapeforms Manistee).....	1,273.00	52.40
32 33 43 13-0022 EA 42" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee).....	1,078.18	45.85
32 33 43 13-0023 EA 62" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee).....	1,156.18	52.40
32 33 43 13-0024 EA 72" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee).....	1,221.08	52.40
32 33 43 13-0025 EA 82" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee).....	1,389.82	52.40
32 33 43 13-0026 EA 72" Backless Solid Wood Bench (Landscapeforms Palisade).....	2,238.80	52.40
32 33 43 13-0027 EA 96" Backless Solid Wood Bench (Landscapeforms Palisade).....	2,579.80	52.40
32 33 43 13-0028 EA 70" Backless Perforated Metal Bench (Landscapeforms Petoskey).....	1,420.40	52.40
32 33 43 13-0029 EA 70" Dual Support Backed Perforated Metal Bench (Landscapeforms Petoskey).....	1,724.00	52.40
32 33 43 13-0030 EA 70" Quad Support Backed Perforated Metal Bench (Landscapeforms Petoskey).....	1,875.80	52.40
32 33 43 13-0031 EA 72" Backed Wood Bench (Landscapeforms Plainwell).....	1,826.30	52.40
32 33 43 13-0032 EA 72" Backed Wood Bench With Center Arm (Landscapeforms Plainwell).....	2,029.80	52.40
32 33 43 13-0033 EA 96" Backed Wood Bench (Landscapeforms Plainwell).....	2,249.80	52.40
32 33 43 13-0034 EA 96" Backed Wood Bench With Center Arm (Landscapeforms Plainwell).....	2,453.30	52.40
32 33 43 13-0035 EA 96" Backed Wood Bench With Two Center Arms (Landscapeforms Plainwell).....	2,662.30	52.40
32 33 43 13-0036 EA 72" Backed Aluminum Bench (Landscapeforms Plainwell).....	2,337.80	52.40
32 33 43 13-0037 EA 72" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell).....	2,541.30	52.40
32 33 43 13-0038 EA 96" Backed Aluminum Bench (Landscapeforms Plainwell).....	2,876.80	52.40
32 33 43 13-0039 EA 96" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell).....	3,091.30	52.40
32 33 43 13-0040 EA 96" Backed Aluminum Bench With Two Center Arms (Landscapeforms Plainwell).....	3,289.30	52.40
32 33 43 13-0041 EA Backless Metal Grid Seats For Straight Runs (Landscapeforms Plexus).....	532.20	13.09
32 33 43 13-0042 EA Backless Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus).....	719.20	13.09
32 33 43 13-0043 EA Backless Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus).....	719.20	13.09
32 33 43 13-0044 EA Backed Metal Grid Seats For Straight Runs (Landscapeforms Plexus).....	653.20	13.09
32 33 43 13-0045 EA Narrow-Backed Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus).....	812.70	13.09
32 33 43 13-0046 EA Narrow-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus).....	812.70	13.09
32 33 43 13-0047 EA Wide-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus).....	812.70	13.09
32 33 43 13-0048 EA Armrest For Metal Grid Seats (Landscapeforms Plexus).....	126.50	13.09
32 33 43 13-0049 EA Backless Straight Metal Grid Seats (Landscapeforms Presidio).....	752.20	13.09
32 33 43 13-0050 EA Backless Straight Metal Grid Seats With One Arm (Landscapeforms Presidio).....	834.70	13.09
32 33 43 13-0051 EA Backless Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio).....	917.20	13.09
32 33 43 13-0052 EA Backless Angled Metal Grid Seats (Landscapeforms Presidio).....	911.70	13.09
32 33 43 13-0053 EA Backless Angled Metal Grid Seats With One Arm (Landscapeforms Presidio).....	994.20	13.09
32 33 43 13-0054 EA Backless Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio).....	1,076.70	13.09
32 33 43 13-0055 EA Backed Straight Metal Grid Seats (Landscapeforms Presidio).....	900.70	13.09
32 33 43 13-0056 EA Backed Straight Metal Grid Seats With One Arm (Landscapeforms Presidio).....	983.20	13.09
32 33 43 13-0057 EA Backed Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio).....	1,065.70	13.09
32 33 43 13-0058 EA Narrow-Backed Angled Metal Grid Seats (Landscapeforms Presidio).....	1,104.20	13.09
32 33 43 13-0059 EA Narrow-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio).....	1,186.70	13.09
32 33 43 13-0060 EA Narrow-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio).....	1,269.20	13.09
32 33 43 13-0061 EA Wide-Backed Angled Metal Grid Seats (Landscapeforms Presidio).....	1,104.20	13.09
32 33 43 13-0062 EA Wide-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio).....	1,186.70	13.09
32 33 43 13-0063 EA Wide-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio).....	1,269.20	13.09
32 33 43 13-0064 EA 48" Backless Horizontal Strap Bench (Landscapeforms Scarborough).....	1,479.80	52.40
32 33 43 13-0065 EA 72" Backless Horizontal Strap Bench (Landscapeforms Scarborough).....	1,501.80	52.40
32 33 43 13-0066 EA 96" Backless Horizontal Strap Bench (Landscapeforms Scarborough).....	1,837.30	52.40
32 33 43 13-0067 EA 48" Backless Woven Bench (Landscapeforms Scarborough).....	2,238.80	52.40
32 33 43 13-0068 EA 72" Backless Woven Bench (Landscapeforms Scarborough).....	2,651.30	52.40
32 33 43 13-0069 EA 96" Backless Woven Bench (Landscapeforms Scarborough).....	3,041.80	52.40
32 33 43 13-0070 EA 24" Backed Horizontal Strap Bench (Landscapeforms Scarborough).....	1,182.80	52.40
32 33 43 13-0071 EA 48" Backed Horizontal Strap Bench (Landscapeforms Scarborough).....	1,589.80	52.40
32 33 43 13-0072 EA 72" Backed Horizontal Strap Bench (Landscapeforms Scarborough).....	1,628.30	52.40
32 33 43 13-0073 EA 72" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough).....	1,881.30	52.40
32 33 43 13-0074 EA 96" Backed Horizontal Strap Bench (Landscapeforms Scarborough).....	2,128.80	52.40
32 33 43 13-0075 EA 96" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough).....	2,387.30	52.40
32 33 43 13-0076 EA 96" Backed Horizontal Strap Bench With Two Intermediate Arms (Landscapeforms Scarborough).....	2,640.30	52.40
32 33 43 13-0077 EA 24" Backed Woven Bench (Landscapeforms Scarborough).....	2,128.80	52.40
32 33 43 13-0078 EA 48" Backed Woven Bench (Landscapeforms Scarborough).....	2,585.30	52.40
32 33 43 13-0079 EA 72" Backed Woven Bench (Landscapeforms Scarborough).....	3,030.80	52.40
32 33 43 13-0080 EA 72" Backed Woven Bench With Center Arm (Landscapeforms Scarborough).....	3,289.30	52.40
32 33 43 13-0081 EA 96" Backed Woven Bench (Landscapeforms Scarborough).....	3,839.30	52.40
32 33 43 13-0082 EA 96" Backed Woven Bench With Center Arm (Landscapeforms Scarborough).....	4,092.30	52.40
32 33 43 13-0083 EA 96" Backed Woven Bench With Two Intermediate Arms (Landscapeforms Scarborough).....	4,339.80	52.40
32 33 43 13-0084 EA 32" Backed Strap Or Perforated Bench (Landscapeforms Town Square).....	999.20	45.85
32 33 43 13-0085 EA 49" Backed Strap Or Perforated Bench (Landscapeforms Town Square).....	1,213.70	45.85
32 33 43 13-0086 EA 49" Backed Strap Or Perforated Bench With Divider (Landscapeforms Town Square).....	1,329.20	45.85



		MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		32 33 43 13-0087 EA	70" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,556.80	52.40
		32 33 43 13-0088 EA	70" Backed Strap Or Perforated Bench With Two Dividers (Landscapeforms Town Square)	1,771.30	52.40
32 33 43 13-0089		Benches (Columbia Cascade, TimberForm) <small>(32 33 43 13)</small>			
32 33 43 13-0090		Wood Benches (Columbia Cascade, TimberForm) <small>(32 33 43 13-0089)</small>			
			Note: Includes powder coated steel frames.		
		32 33 43 13-0091 EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-E).....	440.70	26.20
		32 33 43 13-0092 EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-E).....	504.82	26.20
		32 33 43 13-0093 EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-E).....	645.85	26.20
		32 33 43 13-0094 EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-P).....	459.94	26.20
		32 33 43 13-0095 EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-P).....	524.05	26.20
		32 33 43 13-0096 EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-P).....	671.50	26.20
		32 33 43 13-0097 EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-E).....	671.50	26.20
		32 33 43 13-0098 EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-E).....	780.48	26.20
		32 33 43 13-0099 EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-E).....	1,004.86	26.20
		32 33 43 13-0100 EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-P).....	703.55	26.20
		32 33 43 13-0101 EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-P).....	812.53	26.20
		32 33 43 13-0102 EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-P).....	1,049.73	26.20
		32 33 43 13-0103 EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-E).....	1,293.34	26.20
		32 33 43 13-0104 EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-E).....	1,517.72	26.20
		32 33 43 13-0105 EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-E).....	1,985.71	26.20
		32 33 43 13-0106 EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-P).....	1,325.40	26.20
		32 33 43 13-0107 EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-P).....	1,549.77	26.20
		32 33 43 13-0108 EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-P).....	2,030.58	26.20
		32 33 43 13-0109 EA	70" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-E).....	511.23	26.20
		32 33 43 13-0110 EA	94" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-E).....	575.33	26.20
		32 33 43 13-0111 EA	70" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-P).....	530.46	26.20
		32 33 43 13-0112 EA	94" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-P).....	594.57	26.20
		32 33 43 13-0113 EA	46" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-E).....	851.00	26.20
		32 33 43 13-0114 EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-E).....	1,004.86	26.20
		32 33 43 13-0115 EA	46" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-P).....	902.28	26.20
		32 33 43 13-0116 EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-P).....	1,056.14	26.20
		32 33 43 13-0117 EA	70" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-6).....	539.27	39.30
		32 33 43 13-0118 EA	94" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-8).....	564.91	39.30
		32 33 43 13-0119 EA	118" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-10).....	763.64	39.30
		32 33 43 13-0120 EA	46" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-E).....	415.06	26.20
		32 33 43 13-0121 EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-E).....	479.17	26.20
		32 33 43 13-0122 EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-E).....	543.28	26.20
		32 33 43 13-0123 EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-E).....	697.14	26.20
		32 33 43 13-0124 EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-E).....	761.25	26.20
		32 33 43 13-0125 EA	46" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-P).....	421.48	26.20
		32 33 43 13-0126 EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-P).....	485.58	26.20
		32 33 43 13-0127 EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-P).....	549.69	26.20
		32 33 43 13-0128 EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-P).....	716.37	26.20
		32 33 43 13-0129 EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-P).....	780.48	26.20
		32 33 43 13-0130 EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-E).....	709.96	26.20
		32 33 43 13-0131 EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-E).....	818.94	26.20
		32 33 43 13-0132 EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-E).....	1,056.14	26.20
		32 33 43 13-0133 EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-E).....	1,165.13	26.20
		32 33 43 13-0134 EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-P).....	722.78	26.20
		32 33 43 13-0135 EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-P).....	831.77	26.20
		32 33 43 13-0136 EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-P).....	1,075.38	26.20
		32 33 43 13-0137 EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-P).....	1,184.36	26.20
		32 33 43 13-0138 EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-E).....	709.96	26.20
		32 33 43 13-0139 EA	82" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-E).....	998.45	26.20
		32 33 43 13-0140 EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-E).....	889.46	26.20
		32 33 43 13-0141 EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-E).....	1,171.54	26.20
		32 33 43 13-0142 EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-E).....	1,280.52	26.20
		32 33 43 13-0143 EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-P).....	812.53	26.20
		32 33 43 13-0144 EA	82" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-P).....	1,017.68	26.20
		32 33 43 13-0145 EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-P).....	902.28	26.20
		32 33 43 13-0146 EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-P).....	1,190.77	26.20
		32 33 43 13-0147 EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-P).....	1,299.75	26.20

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0148 EA 70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-6)	750.82	39.30
32 33 43 13-0149 EA 94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-8)	866.22	39.30
32 33 43 13-0150 EA 118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-10)	1,109.83	39.30
32 33 43 13-0151 EA 70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-6)	821.34	39.30
32 33 43 13-0152 EA 94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-8)	936.74	39.30
32 33 43 13-0153 EA 118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-10)	1,218.81	39.30
32 33 43 13-0154 Recycled Plastic Benches (Columbia Cascade, TimberForm) (32 33 43 13-0089)		
Note: Includes powder coated steel frames.		
32 33 43 13-0155 EA 70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-E)	600.98	26.20
32 33 43 13-0156 EA 94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-E)	818.94	26.20
32 33 43 13-0157 EA 70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-P)	620.21	26.20
32 33 43 13-0158 EA 94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-P)	838.18	26.20
32 33 43 13-0159 EA 46" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-E)	940.75	26.20
32 33 43 13-0160 EA 70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-E)	1,101.02	26.20
32 33 43 13-0161 EA 46" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-P)	992.04	26.20
32 33 43 13-0162 EA 70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-P)	1,152.31	26.20
32 33 43 13-0163 EA 70" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-6)	603.37	39.30
32 33 43 13-0164 EA 94" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-8)	725.18	39.30
32 33 43 13-0165 EA 118" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-10)	853.39	39.30
32 33 43 13-0166 EA 70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-E)	491.98	26.20
32 33 43 13-0167 EA 94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-E)	658.67	26.20
32 33 43 13-0168 EA 118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-E)	786.89	26.20
32 33 43 13-0169 EA 70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-P)	511.23	26.20
32 33 43 13-0170 EA 94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-P)	677.91	26.20
32 33 43 13-0171 EA 118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-P)	812.53	26.20
32 33 43 13-0172 EA 70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-E)	780.48	26.20
32 33 43 13-0173 EA 94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-E)	1,049.73	26.20
32 33 43 13-0174 EA 118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-E)	1,274.11	26.20
32 33 43 13-0175 EA 70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-P)	812.53	26.20
32 33 43 13-0176 EA 94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-P)	1,094.61	26.20
32 33 43 13-0177 EA 118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-P)	1,318.99	26.20
32 33 43 13-0178 EA 70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-E)	1,517.72	26.20
32 33 43 13-0179 EA 94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-E)	2,088.28	26.20
32 33 43 13-0180 EA 118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-E)	2,312.66	26.20
32 33 43 13-0181 EA 70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-P)	1,549.77	26.20
32 33 43 13-0182 EA 94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-P)	2,133.16	26.20
32 33 43 13-0183 EA 118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-P)	2,357.53	26.20
32 33 43 13-0184 EA 70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-E)	953.57	26.20
32 33 43 13-0185 EA 82" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-E)	1,325.40	26.20
32 33 43 13-0186 EA 94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-E)	1,267.70	26.20
32 33 43 13-0187 EA 118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-E)	1,453.61	26.20
32 33 43 13-0188 EA 142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-E)	1,953.65	26.20
32 33 43 13-0189 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-P)	966.39	26.20
32 33 43 13-0190 EA 82" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-P)	1,344.63	26.20
32 33 43 13-0191 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-P)	1,286.93	26.20
32 33 43 13-0192 EA 118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-P)	1,472.84	26.20
32 33 43 13-0193 EA 142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-P)	1,985.71	26.20
32 33 43 13-0194 EA 70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-6)	911.09	39.30
32 33 43 13-0195 EA 94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-8)	1,225.22	39.30
32 33 43 13-0196 EA 118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-10)	1,513.71	39.30
32 33 43 13-0197 EA 70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-6)	1,020.08	39.30
32 33 43 13-0198 EA 94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-8)	1,359.85	39.30
32 33 43 13-0199 EA 118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-10)	1,494.47	39.30
32 33 43 13-0200 EA 46" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-E)	440.71	26.20
32 33 43 13-0201 EA 70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-E)	575.33	26.20
32 33 43 13-0202 EA 94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-E)	774.07	26.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0203 EA 118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-E)	908.70	26.20
32 33 43 13-0204 EA 142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-E)	1,056.14	26.20
32 33 43 13-0205 EA 46" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-P).....	453.53	26.20
32 33 43 13-0206 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-P).....	588.16	26.20
32 33 43 13-0207 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-P).....	793.30	26.20
32 33 43 13-0208 EA 118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-P).....	927.93	26.20
32 33 43 13-0209 EA 142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-P).....	1,081.79	26.20
32 33 43 13-0210 EA 70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-E).....	851.00	26.20
32 33 43 13-0211 EA 94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-E).....	1,165.13	26.20
32 33 43 13-0212 EA 118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-E).....	1,434.38	26.20
32 33 43 13-0213 EA 142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-E).....	1,613.88	26.20
32 33 43 13-0214 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-P).....	863.82	26.20
32 33 43 13-0215 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-P).....	1,184.36	26.20
32 33 43 13-0216 EA 118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-P).....	1,453.61	26.20
32 33 43 13-0217 EA 142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-P).....	1,639.53	26.20
 32 33 43 53 Site Tables (32 33 43)		
32 33 43 53-0001 Picnic Tables (32 33 43 53)		
32 33 43 53-0002 Wooden Picnic Tables (32 33 43 53-0001)		
32 33 43 53-0003 EA 6' Permanent Rectangular Redwood Table	692.94	39.30
32 33 43 53-0004 Portable Picnic Tables (32 33 43 53-0001)		
32 33 43 53-0005 EA 6' Wood Table With Aluminum Frame	395.86	26.20
32 33 43 53-0006 EA 6' Aluminum Table And Frame	561.84	26.20
32 33 43 53-0007 EA 8' Aluminum Table And Frame	671.97	32.75
32 33 43 53-0008 EA 6' Steel Table And Frame	855.95	26.20
32 33 43 53-0009 EA 8' Steel Table And Frame	978.89	32.75
32 33 43 53-0010 Concrete Picnic Tables (32 33 43 53-0001)		
32 33 43 53-0011 EA 6' Concrete Picnic Table	1,482.96	118.63
32 33 43 53-0012 Plastic Picnic Tables (32 33 43 53-0001) Note: Manufactured from recycled plastic.		
32 33 43 53-0013 Pedestal Tables - 4' Square, 2 Seats (32 33 43 53-0012)		
32 33 43 53-0014 EA 3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	440.42	39.30
32 33 43 53-0015 EA 4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	478.86	39.30
32 33 43 53-0016 Pedestal Tables - 4' Square, 4 Seats (32 33 43 53-0012)		
32 33 43 53-0017 EA 3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	565.06	39.30
32 33 43 53-0018 EA 4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	616.67	39.30
32 33 43 53-0019 Recycled Plastic Tables (32 33 43 53-0012)		
32 33 43 53-0020 EA 6' Standard "Step-Over" Table, Recycled Plastic Lumber	727.94	39.30
32 33 43 53-0021 EA 6' " Walk-Through" Table, Recycled Plastic Lumber	612.84	39.30
32 33 43 53-0022 EA 7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	665.73	39.30
32 33 43 53-0023 EA 8' " Walk-Through" Table, Recycled Plastic Lumber, ADA Ends	625.11	39.30
32 33 43 53-0024 EA 8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	776.50	39.30
32 33 43 53-0025 EA 4' Youth Table, Recycled Plastic Lumber	324.71	31.44
 32 33 53 Site Grills (32 33)		
32 33 53 00-0001 Picnic Grills (32 33 53)		
32 33 53 00-0002 EA 20" Wide x 14" Deep x 8-1/2" High Adjustable Grill	281.37	
Note: 11 gauge with galvanized steel post.		
32 33 53 00-0003 EA 20" Wide x 14" Deep x 8-1/2" High Adjustable Grill	301.71	
Note: 7 gauge with galvanized steel post.		
 32 39 Manufactured Site Specialties (32 39)		
32 39 13 Manufactured Metal Bollards (32 39)		

32 Exterior Improvements**32 30 Site Improvements****32 39 Manufactured Site Specialties**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 39 13 00-0001		Metal Pipe Bollards <small>(32 39 13)</small>			
		Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.			
32 39 13 00-0002		Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powder Coated <small>(32 39 13 00-0001)</small>			
32 39 13 00-0003	LF	4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	30.17		7.19
		For Galvanized Steel, Add	2.68		
		For 304 Stainless Steel, Add	21.32		
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	81.52		
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	66.68		
		For Schedule 80, Add	3.81		
32 39 13 00-0004	LF	6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	39.29		7.19
		For Galvanized Steel, Add	4.23		
		For 304 Stainless Steel, Add	33.63		
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	81.52		
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	66.68		
		For Schedule 80, Add	5.17		
32 39 13 00-0005	LF	8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	54.92		8.99
		For Galvanized Steel, Add	6.28		
		For 304 Stainless Steel, Add	49.87		
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	109.92		
		For Each Sleeve For Removable, Lockable Bollard, Add	104.12		
		For Schedule 80, Add	7.34		
32 39 13 00-0006	LF	10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	72.10		10.79
		For Galvanized Steel, Add	8.59		
		For 304 Stainless Steel, Add	68.23		
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	124.24		
		For Each Sleeve For Removable, Lockable Bollard, Add	111.28		
		For Schedule 80, Add	9.74		
32 39 13 00-0007	LF	12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	91.47		14.38
		For Galvanized Steel, Add	10.66		
		For 304 Stainless Steel, Add	84.67		
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	174.00		
		For Each Sleeve For Removable, Lockable Bollard, Add	154.37		
		For Schedule 80, Add	12.28		
32 39 16		Manufactured Concrete Bollards <small>(32 39)</small>			
32 39 16 00-0001		Concrete Bollards <small>(32 39 16)</small>			
		Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any.			
32 39 16 00-0002		Concrete Bollard, Exposed Aggregate <small>(32 39 16 00-0001)</small>			
32 39 16 00-0003	EA	12" x 12" x 30" High Concrete Bollard, Light Sandblast.....	380.82		57.51
		Note: Surface mounted with anchor bolts embedded into grout pockets.			
32 39 16 00-0004	EA	12" Diameter x 30" High Concrete Bollard, Light Sandblast	380.82		57.51
		Note: Surface mounted with anchor bolts embedded into grout pockets.			
32 39 19		Manufactured Wood Bollards <small>(32 39)</small>			
32 39 19 00-0001		Wood Bollards <small>(32 39 19)</small>			
		Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.			
32 39 19 00-0002		Wood Bollard, Pressure Treated Timber <small>(32 39 19 00-0001)</small>			
32 39 19 00-0003	LF	4" x 4", Pressure Treated Wood Bollard	14.24		5.75
		For Each Sleeve For Removable, Lockable Bollard, Add	70.04		
32 39 19 00-0004	LF	6" x 6", Pressure Treated Wood Bollard	17.11		5.75
		For Each Sleeve For Removable, Lockable Bollard, Add	70.04		
32 39 19 00-0005	LF	8" x 8", Pressure Treated Wood Bollard	22.91		6.47
		For Each Sleeve For Removable, Lockable Bollard, Add	111.08		
32 39 19 00-0006	LF	10" x 10", Pressure Treated Wood Bollard	32.79		8.62
		For Each Sleeve For Removable, Lockable Bollard, Add	119.70		
32 39 19 00-0007	LF	12" x 12", Pressure Treated Wood Bollard	45.37		11.51
		For Each Sleeve For Removable, Lockable Bollard, Add	167.09		
32 39 23		Manufactured Plastic Bollards <small>(32 39)</small>			
32 39 23 00-0001		Plastic Bollards <small>(32 39 23)</small>			
		See CSI section 32 31 13 13-0001 for augering and filling holes for bollards.			
32 39 23 00-0002		Recycled Plastic Bollards <small>(32 39 23 00-0001)</small>			
32 39 23 00-0003	EA	6" x 6" x 33" Surface Mounted Recycled Plastic Bollard.....	180.90		28.75
		Note: Includes anchor bolts.			
32 39 23 00-0004	EA	6" Diameter x 6" Steel Reinforced Recycled Plastic Bollard.....	290.74		28.75
32 39 23 00-0005		Plastic Bollard Covers <small>(32 39 23 00-0001)</small>			
32 39 23 00-0006	EA	4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe.....	46.20		6.78
		For Reflective Tape, Add	5.18		
32 39 23 00-0007	EA	6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	50.01		7.46
		For Reflective Tape, Add	5.18		



Exterior Improvements	32
Site Improvements	32 30
Manufactured Site Specialties	32 39

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 23 00-0008 EA 3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe <i>For Reflective Tape, Add</i>	62.53 5.18	6.78
32 39 23 00-0009 EA 3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe..... <i>For Reflective Tape, Add</i>	62.53 5.18	6.78
32 39 23 00-0010 EA 3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe..... <i>For Reflective Tape, Add</i>	70.15 5.18	6.78
32 39 23 00-0011 EA 4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4' To 4-1/2" Pipe <i>For Reflective Tape, Add</i>	62.53 5.18	6.78
32 39 23 00-0012 EA 4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe..... <i>For Reflective Tape, Add</i>	63.62 5.18	6.78
32 39 23 00-0013 EA 5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe..... <i>For Reflective Tape, Add</i>	62.53 5.18	6.78
32 39 23 00-0014 EA 5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe..... <i>For Reflective Tape, Add</i>	63.62 5.18	6.78
32 39 23 00-0015 EA 5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe..... <i>For Reflective Tape, Add</i>	88.65 5.18	6.78
32 39 23 00-0016 EA 6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... <i>For Reflective Tape, Add</i>	63.89 5.18	7.46
32 39 23 00-0017 EA 6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... <i>For Reflective Tape, Add</i>	81.30 5.18	7.46
32 39 23 00-0018 EA 6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... <i>For Reflective Tape, Add</i>	92.46 5.18	7.46
32 39 23 00-0019 EA 7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... <i>For Reflective Tape, Add</i>	78.30 5.18	8.14
32 39 23 00-0020 EA 8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe..... <i>For Reflective Tape, Add</i>	84.83 5.18	8.14
32 39 23 00-0021 EA 8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe..... <i>For Reflective Tape, Add</i>	84.83 5.18	8.14
32 39 23 00-0022 EA 10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe..... <i>For Reflective Tape, Add</i>	114.23 5.18	8.14

32 39 26 Manufactured Stone Bollards (32 39)

32 39 26 00-0001 Stone Bollards (32 39 26)		
32 39 26 00-0002 Granite Bollards (32 39 26 00-0001)		
32 39 26 00-0003 EA 16" x 16" x 30" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	903.68	71.88
32 39 26 00-0004 EA 16" x 16" x 54" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	1,140.81	100.63
32 39 26 00-0005 EA 12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top Note: Surface mounted with anchors embedded into grout pockets.	549.97	71.88
32 39 26 00-0006 EA 12" Diameter x 18" Granite Bollard, Smooth Matt Finish Note: Flat Top, surface mounted with anchors embedded into grout pockets.	833.48	57.51
32 39 26 00-0007 EA 24" x 24" x 20" Granite Bollard, Octagonal Cross Section..... Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	1,254.90	57.51

32 80 Irrigation (32)

32 84 Planting Irrigation (32 80)

32 84 13 Drip Irrigation (32 84)

32 84 13 00-0001 Drip Emmitter Irrigation Devices (32 84 13)		
32 84 13 00-0002 Drip Emmitter Irrigation Valves (32 84 13 00-0001)		
32 84 13 00-0003 EA 1/2" Air/Vacuum Relief Valve For Drip Emmitter Irrigation Systems (Rain Bird® ARV050)	28.26	7.03
32 84 13 00-0004 EA 1", Low Flow Remote Control Valve For Drip Emmitter Irrigation Systems (Rain Bird® LRV100)	42.26	7.03
32 84 13 00-0005 EA 3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emmitter Irrigation Systems (Rain Bird® LRV075)	41.29	7.03
32 84 13 00-0006 EA 3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emmitter Irrigation Systems (Rain Bird® LRV075TBOS).....	54.45	7.03
32 84 13 00-0007 Drip Emmitter Irrigation Filters (32 84 13 00-0001)		
32 84 13 00-0008 EA 3/4" Inlet/Outlet, Inline Basket Filter For Drip Emmitter Irrigation Systems (Rain Bird® QKCHK-075)	82.25	7.03
32 84 13 00-0009 EA 1" Inlet/Outlet, Inline Basket Filter For Drip Emmitter Irrigation Systems (Rain Bird® QKCHK-100)	82.97	7.03
32 84 13 00-0010 EA 3/4" Inlet/Outlet, Inline Wye Filter For Drip Emmitter Irrigation Systems (Rain Bird® RBY075MPTX)	34.38	7.03
32 84 13 00-0011 EA 1" Inlet/Outlet, Inline Wye Filter For Drip Emmitter Irrigation Systems (Rain Bird® RBY100MPTX)	34.96	7.03
32 84 13 00-0012 EA 1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emmitter Irrigation Systems (Rain Bird® PRB-QCHK-100).....	88.99	7.03
32 84 13 00-0013 EA 3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emmitter Irrigation Systems (Rain Bird® PRF075RBY).....	43.09	7.03
32 84 13 00-0014 EA 1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emmitter Irrigation Systems (Rain Bird® PRF100RBY).....	47.62	7.03
32 84 13 00-0015 Drip Emmitter Irrigation Pressure Regulators (32 84 13 00-0001)		
32 84 13 00-0016 EA 3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emmitter Irrigation Systems (Rain Bird® PSI-L30X-075)	33.79	7.03
32 84 13 00-0017 EA 3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emmitter Irrigation Systems (Rain Bird® PSI-M30X-075).....	33.79	7.03

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0018 EA 3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075).....	33.79	7.03
32 84 13 00-0019 EA 1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100).....	38.56	7.03
32 84 13 00-0020 Drip Emitter Irrigation Tubing (32 84 13 00-0001) Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.		
32 84 13 00-0021 LF 1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100).....	2.54	0.99
32 84 13 00-0022 LF 1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100).....	2.42	1.13
32 84 13 00-0023 LF 1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100).....	2.08	0.99
For Shallow Trenching And Backfill By Hand, Add	4.04	
32 84 13 00-0024 LF 1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100).....	2.42	1.13
For Shallow Trenching And Backfill By Hand, Add	4.36	
32 84 13 00-0025 Drip Emitter Irrigation Fittings (32 84 13 00-0001)		
32 84 13 00-0026 EA 1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN).....	1.84	
32 84 13 00-0027 EA 1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL).....	1.85	
32 84 13 00-0028 EA 1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE).....	1.88	
32 84 13 00-0029 EA 1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025).....	1.97	
32 84 13 00-0030 EA 1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX).....	1.82	
32 84 13 00-0031 EA 17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP).....	1.92	
For Compression Fitting, Add	0.17	
32 84 13 00-0032 EA 17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW).....	1.97	
For Compression Fitting, Add	0.22	
32 84 13 00-0033 EA 17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE).....	2.00	
For Compression Fitting, Add	0.25	
32 84 13 00-0034 EA 17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050).....	2.01	
For Compression Fitting, Add	0.26	
32 84 13 00-0035 EA 17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFFCROSS).....	2.11	
For Compression Fitting, Add	0.36	
32 84 13 00-0036 EA 1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP).....	2.23	
32 84 13 00-0037 EA 12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND).....	1.11	
32 84 13 00-0038 Drip Emitters (32 84 13 00-0001)		
32 84 13 00-0039 EA 0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC).....	3.79	
32 84 13 00-0040 EA 5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24).....	4.25	
32 84 13 00-0041 EA 0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056).....	8.54	
32 84 13 00-0042 Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters (32 84 13 00-0001)		
32 84 13 00-0043 EA Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK).....	14.79	6.33
32 84 13 00-0044 EA Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK).....	14.81	6.33
32 84 13 00-0045 EA 12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL).....	16.09	6.33
32 84 13 00-0046 EA 24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL).....	16.23	6.33
32 84 13 00-0047 EA 4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL).....	23.21	8.30
Note: Includes nozzle.		
32 84 13 00-0048 EA 6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL).....	24.86	8.30
Note: Includes nozzle.		
32 84 13 00-0049 EA 12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL).....	24.51	8.30
Note: Includes nozzle.		
32 84 13 00-0050 Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS) (32 84 13 00-0001) Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.		
32 84 13 00-0051 LF 0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield).....	2.77	1.23
32 84 23 Underground Sprinklers (32 84)		
32 84 23 00-0001 Sprinkler Heads (32 84 23)		
32 84 23 00-0002 Spray Sprinkler Heads (32 84 23 00-0001) Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.		
32 84 23 00-0003 EA 2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P).....	20.59	7.77
For Rotary Nozzle, Add	3.25	
32 84 23 00-0004 EA 4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P).....	19.65	7.77
For Rotary Nozzle, Add	3.25	
32 84 23 00-0005 EA 6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P).....	23.11	7.77
For Rotary Nozzle, Add	3.25	
32 84 23 00-0006 EA 12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P).....	26.02	7.77
For Rotary Nozzle, Add	3.25	
32 84 23 00-0007 EA 4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM).....	20.95	7.77
For Rotary Nozzle, Add	3.25	



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0008 EA 6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM)	25.83	7.77
For Rotary Nozzle, Add	3.25	
32 84 23 00-0009 EA 12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM)	28.18	7.77
For Rotary Nozzle, Add	3.25	
32 84 23 00-0010 EA 4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS)	22.34	7.77
For Rotary Nozzle, Add	3.25	
32 84 23 00-0011 EA 6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS)	26.79	7.77
For Rotary Nozzle, Add	3.25	
32 84 23 00-0012 EA 12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS)	28.98	7.77
For Rotary Nozzle, Add	3.25	
32 84 23 00-0013 EA 4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS)	22.90	7.77
For Rotary Nozzle, Add	3.25	
32 84 23 00-0014 EA 6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS)	29.72	7.77
For Rotary Nozzle, Add	3.25	
32 84 23 00-0015 EA 12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS)	31.89	7.77
For Rotary Nozzle, Add	3.25	
32 84 23 00-0016 EA Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300)	17.83	7.77
For Rotary Nozzle, Add	3.25	
32 84 23 00-0017 EA Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400)	19.99	7.77
32 84 23 00-0018 Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0001)		
Note: Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0019 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018)		
Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0020 EA 4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC)	27.44	7.77
For Non-Potable Cover, Add	2.00	
32 84 23 00-0021 EA 4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM)	28.21	7.77
For Non-Potable Cover, Add	2.00	
32 84 23 00-0022 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018)		
Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0023 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC)	25.58	7.77
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0024 EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC)	33.92	7.77
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0025 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS)	27.13	7.77
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0026 EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS)	35.16	7.77
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0027 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR)	27.75	7.77
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0028 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR)	28.98	7.77
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0029 EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR)	37.01	7.77
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0030 EA 12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR)	41.95	7.77
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0031 EA Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS)	28.83	7.77
For Non-Potable Cover, Add	2.00	
32 84 23 00-0032 EA Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR)	33.77	7.77
For Non-Potable Cover, Add	2.00	
32 84 23 00-0033 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018)		
Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034 EA 4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC)	45.51	7.77
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
For Stainless Steel Riser And High Speed Rotor, Add	22.74	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0035 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0018)</small> Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0036 EA 5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005).....	63.42	7.77
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0037 Impact-Drive Sprinkler Heads <small>(32 84 23 00-0001)</small> Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0038 EA 1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08).....	36.86	7.77
For Non-Potable Cover, Add	2.00	
32 84 23 00-0039 EA 1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08).....	29.45	7.77
32 84 23 00-0040 EA 3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB)	54.14	7.77
32 84 23 00-0041 Electric Remote Control Irrigation Valves <small>(32 84 23)</small>		
32 84 23 00-0042 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) <small>(32 84 23 00-0041)</small> Note: 15 to 150 PSI.		
32 84 23 00-0043 EA 3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV).....	86.79	32.38
32 84 23 00-0044 EA 1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV).....	86.79	32.38
32 84 23 00-0045 EA 1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DVSS).....	96.05	36.92
32 84 23 00-0046 EA 1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA)	87.40	32.38
32 84 23 00-0047 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series) <small>(32 84 23 00-0041)</small> Note: 15 to 150 PSI.		
32 84 23 00-0048 EA 1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF)	87.40	32.38
32 84 23 00-0049 EA 1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFSS)	96.97	36.92
32 84 23 00-0050 EA 1", 0.2 To 40 GPM, Male x Barb, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFMB).....	97.59	36.92
32 84 23 00-0051 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series) <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI.		
32 84 23 00-0052 EA 1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB)	136.82	32.38
32 84 23 00-0053 EA 1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB)	158.45	32.38
32 84 23 00-0054 EA 2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB)	186.25	32.38
32 84 23 00-0055 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0056 EA 1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D).....	192.16	36.39
32 84 23 00-0057 EA 1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D)	213.78	36.39
32 84 23 00-0058 EA 2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D).....	241.58	36.39
32 84 23 00-0059 20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0060 EA 1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D)	223.04	36.39
32 84 23 00-0061 EA 1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D)	244.67	36.39
32 84 23 00-0062 EA 2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D)	272.47	36.39
32 84 23 00-0063 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series) <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0064 EA 1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B)	198.32	32.38
32 84 23 00-0065 EA 1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B)	297.72	32.38
32 84 23 00-0066 EA 2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B)	306.71	32.38
32 84 23 00-0067 EA 3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B)	709.29	43.71



Exterior Improvements		32
Irrigation		32 80
Planting Irrigation		32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0068 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series) <small>(32 84 23 00-0041)</small>		
<small>Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.</small>		
32 84 23 00-0069 EA 1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP)	185.45	36.39
32 84 23 00-0070 EA 1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP)	215.01	36.39
32 84 23 00-0071 EA 1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP)	247.11	36.39
32 84 23 00-0072 EA 2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP)	289.36	36.39
32 84 23 00-0073 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series) <small>(32 84 23 00-0041)</small>		
<small>Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.</small>		
32 84 23 00-0074 EA 1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS).....	241.02	36.39
32 84 23 00-0075 EA 1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS).....	358.95	36.39
32 84 23 00-0076 EA 2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS).....	369.06	36.39
32 84 23 00-0077 EA 3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS).....	754.32	36.39
32 84 23 00-0078 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series) <small>(32 84 23 00-0041)</small>		
<small>Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.</small>		
32 84 23 00-0079 EA 1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ).....	243.25	32.38
32 84 23 00-0080 EA 1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ).....	342.65	32.38
32 84 23 00-0081 EA 2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ).....	351.64	32.38
32 84 23 00-0082 EA 3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ).....	754.22	43.71
32 84 23 00-0083 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series) <small>(32 84 23 00-0041)</small>		
<small>Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.</small>		
32 84 23 00-0084 EA 1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D)	231.79	36.39
32 84 23 00-0085 EA 1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D)	261.35	36.39
32 84 23 00-0086 EA 1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D)	293.44	36.39
32 84 23 00-0087 EA 2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D)	335.69	36.39
32 84 23 00-0088 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series) <small>(32 84 23 00-0041)</small>		
<small>Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.</small>		
32 84 23 00-0089 EA 1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ).....	285.94	36.39
32 84 23 00-0090 EA 1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ).....	403.88	36.39
32 84 23 00-0091 EA 2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ).....	413.99	36.39
32 84 23 00-0092 EA 3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ).....	799.25	36.39
32 84 23 00-0093 Other Electric Remote Control Valves/Accessories <small>(32 84 23 00-0041)</small>		
32 84 23 00-0094 EA Pressure Regulator Module For Electric Remote Control Valves (Rain Bird® PRS-DIAL)	72.24	
32 84 23 00-0095 Irrigation Valve Boxes <small>(32 84 23)</small>		
<small>Note: Includes lid.</small>		
32 84 23 00-0096 EA 6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND)	54.23	23.31
32 84 23 00-0097 EA 7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND).....	61.52	23.31
32 84 23 00-0098 EA 10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND).....	80.74	30.70
32 84 23 00-0099 EA 21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD)	136.92	44.81
32 84 23 00-0100 EA 21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH)	139.50	44.81
32 84 23 00-0101 EA 26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB)	158.03	44.81
32 84 23 00-0102 EA 26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH).....	160.24	44.81
32 84 23 00-0103 EA 33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH)	266.11	44.81

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0104 EA 40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH)	403.23	44.81
32 84 23 00-0105 Irrigation Controllers (32 84 23)		
32 84 23 00-0106 Irrigation Controllers (32 84 23 00-0105)		
32 84 23 00-0107 Irrigation Controllers (Rain Bird®) (32 84 23 00-0106)		
32 84 23 00-0108 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series) (32 84 23 00-0107)		
32 84 23 00-0109 Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) (32 84 23 00-0108)		
32 84 23 00-0110 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series) (32 84 23 00-0109)		
32 84 23 00-0111 EA 4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	171.88	20.96
32 84 23 00-0112 EA 7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	240.86	20.96
32 84 23 00-0113 EA 10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	309.82	20.96
32 84 23 00-0114 EA 13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	378.80	20.96
32 84 23 00-0115 EA 16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	426.81	20.96
32 84 23 00-0116 EA 19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	498.40	20.96
32 84 23 00-0117 EA 22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	569.99	20.96
32 84 23 00-0118 Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) (32 84 23 00-0109)		
32 84 23 00-0119 EA 4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	194.73	20.96
32 84 23 00-0120 EA 7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	263.71	20.96
32 84 23 00-0121 EA 10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	332.67	20.96
32 84 23 00-0122 EA 13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	401.65	20.96
32 84 23 00-0123 EA 16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	449.66	20.96
32 84 23 00-0124 EA 19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	521.25	20.96
32 84 23 00-0125 EA 22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	592.84	20.96
32 84 23 00-0126 Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) (32 84 23 00-0108)		
32 84 23 00-0127 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series) (32 84 23 00-0126)		
32 84 23 00-0128 EA 4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	251.25	20.96
32 84 23 00-0129 EA 7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	320.24	20.96
32 84 23 00-0130 EA 10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	389.20	20.96
32 84 23 00-0131 EA 13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	458.17	20.96
32 84 23 00-0132 EA 16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	506.18	20.96
32 84 23 00-0133 EA 19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	577.77	20.96
32 84 23 00-0134 EA 22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	649.36	20.96
32 84 23 00-0135 Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) (32 84 23 00-0126)		
32 84 23 00-0136 EA 4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	268.38	20.96
32 84 23 00-0137 EA 7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	337.36	20.96
32 84 23 00-0138 EA 10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	406.32	20.96
32 84 23 00-0139 EA 13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	475.29	20.96
32 84 23 00-0140 EA 16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	523.30	20.96
32 84 23 00-0141 EA 19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	594.89	20.96
32 84 23 00-0142 EA 22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	666.48	20.96
32 84 23 00-0143 Accessories For ESP-ME/MEI Irrigation Controllers (32 84 23 00-0108)		
32 84 23 00-0144 EA 3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3)	71.58	
Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.		
32 84 23 00-0145 EA 6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6)	138.42	
Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.		
32 84 23 00-0146 EA Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG).....	164.61	
32 84 23 00-0147 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series) (32 84 23 00-0107)		
32 84 23 00-0148 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series) (32 84 23 00-0147)		
32 84 23 00-0149 EA 12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	391.17	20.96
32 84 23 00-0150 EA 16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	477.12	20.96
32 84 23 00-0151 EA 20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	564.16	20.96
32 84 23 00-0152 EA 24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	650.12	20.96



Exterior Improvements		32
Irrigation		32 80
Planting Irrigation		32 84

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0153 EA 28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	737.17	20.96
32 84 23 00-0154 EA 32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	823.11	20.96
32 84 23 00-0155 EA 36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	910.16	20.96
32 84 23 00-0156 EA 40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	996.10	20.96
32 84 23 00-0157 EA 44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,083.16	20.96
32 84 23 00-0158 EA 48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,169.11	20.96
32 84 23 00-0159 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series) (32 84 23 00-0147)		
32 84 23 00-0160 EA 8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	371.73	20.96
32 84 23 00-0161 EA 12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	457.66	20.96
32 84 23 00-0162 EA 16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	544.72	20.96
32 84 23 00-0163 EA 20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	630.65	20.96
32 84 23 00-0164 EA 24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	717.72	20.96
32 84 23 00-0165 EA 28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	803.66	20.96
32 84 23 00-0166 EA 32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	890.71	20.96
32 84 23 00-0167 EA 36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	976.65	20.96
32 84 23 00-0168 EA 40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,063.70	20.96
32 84 23 00-0169 EA 44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,149.65	20.96
32 84 23 00-0170 EA 48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,236.71	20.96
32 84 23 00-0171 Accessories For ESP-LX/LXME Irrigation Controllers (32 84 23 00-0147)		
32 84 23 00-0172 EA Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM).....	254.64	
32 84 23 00-0173 EA Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMPED + LXMM).....	584.08	
Note: Excludes concrete foundation.		
32 84 23 00-0174 EA Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS).....	534.45	
32 84 23 00-0175 EA Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS).....	1,182.50	
Note: Excludes concrete foundation.		
32 84 23 00-0176 EA 4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4).....	85.95	
Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0177 EA 8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8).....	172.99	
Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0178 EA 12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12).....	266.56	
Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0179 EA Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME).....	94.55	
32 84 23 00-0180 Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0107)		
32 84 23 00-0181 Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0180)		
32 84 23 00-0182 EA 1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	179.24	20.96
32 84 23 00-0183 EA 2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	219.59	20.96
32 84 23 00-0184 EA 4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	281.45	20.96
32 84 23 00-0185 Accessories For TBOS-II Series Irrigation Controllers (32 84 23 00-0180)		
32 84 23 00-0186 EA Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS).....	193.93	
32 84 23 00-0187 EA Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL).....	49.47	15.72
32 84 23 00-0188 Accessories For Irrigation Controllers (Rain Bird®) (32 84 23 00-0107)		
32 84 23 00-0189 EA Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX).....	81.16	15.72
32 84 23 00-0190 EA Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC).....	156.33	15.72
32 84 23 00-0191 EA Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC).....	162.98	15.72
32 84 23 00-0192 EA Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y).....	220.60	15.72
32 84 23 00-0193 Two-Wire Decoder Systems (32 84 23 00-0105)		
32 84 23 00-0194 Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0193)		
32 84 23 00-0195 Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) (32 84 23 00-0194)		
Note: Includes water resistant cabinet.		
32 84 23 00-0196 EA 50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	1,030.66	20.96
32 84 23 00-0197 EA 125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	1,569.21	20.96
32 84 23 00-0198 EA 200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	2,107.77	20.96
32 84 23 00-0199 Field Decoders For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0194)		
32 84 23 00-0200 EA One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF).....	133.39	20.96
32 84 23 00-0201 EA One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF).....	168.25	20.96

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0202 EA Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF)	247.60	20.96
32 84 23 00-0203 EA Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF).....	294.58	20.96
32 84 23 00-0204 EA Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF)	473.88	20.96
32 84 23 00-0205 Accessories For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0194)		
32 84 23 00-0206 EA 50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD).....	783.13	
32 84 23 00-0207 EA 75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75)	538.55	
32 84 23 00-0208 EA Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF)	101.75	18.34
32 84 23 00-0209 EA Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF).....	404.24	20.96
32 84 23 00-0210 Calsense Controllers (32 84 23 00-0105)		
32 84 23 00-0211 Irrigation Controllers (32 84 23 00-0210)		
32 84 23 00-0212 EA 6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6).....	1,415.25	52.40
32 84 23 00-0213 EA 8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8).....	1,824.52	58.94
32 84 23 00-0214 EA 12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12).....	2,501.98	65.49
32 84 23 00-0215 EA 16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16).....	2,751.88	65.49
32 84 23 00-0216 EA 24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24).....	3,252.60	72.05
32 84 23 00-0217 EA 32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32).....	3,923.06	72.05
32 84 23 00-0218 EA 40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40).....	4,442.05	78.60
32 84 23 00-0219 EA 48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48).....	4,972.32	78.60
32 84 23 00-0220 EA Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE)	1,437.65	26.20
32 84 23 00-0221 EA Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE)	606.50	26.20
32 84 23 00-0222 Irrigation Controller Accessories (32 84 23 00-0210)		
32 84 23 00-0223 EA Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1)	58.51	
32 84 23 00-0224 EA Spare Lock For Enclosures (Calsense PAD)	63.39	
32 84 23 00-0225 EA Hardware And Software For Up To 4 Additional Light Circuits (Calsense L)	76.48	6.55
32 84 23 00-0226 EA Transformer For Irrigation Controllers (Calsense TR-1).....	113.35	26.20
32 84 23 00-0227 EA AC Line Protection For Irrigation Controllers (Calsense TP-110).....	302.30	26.20
32 84 23 00-0228 EA Transient Protection Board For Irrigation Controller Stations (Calsense TP-1).....	399.82	26.20
<i>For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add</i>	321.68	
32 84 23 00-0229 Sensors For Irrigation Controllers (32 84 23 00-0210)		
32 84 23 00-0230 Flow Sensors (32 84 23 00-0229)		
32 84 23 00-0231 EA 1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5)	700.30	39.30
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-352.90	
32 84 23 00-0232 EA 2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2)	724.68	39.30
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-377.28	
32 84 23 00-0233 EA 3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3)	749.06	39.30
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-401.66	
32 84 23 00-0234 EA 1" Brass Tee Mounted Flow Meter (Calsense FM 1B).....	830.12	52.40
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-482.50	
32 84 23 00-0235 EA 1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B).....	891.07	52.40
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-543.45	
32 84 23 00-0236 EA 1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B).....	915.45	52.40
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-567.83	
32 84 23 00-0237 EA 2" Brass Tee Mounted Flow Meter (Calsense FM 2B).....	1,073.92	52.40
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-598.02	
32 84 23 00-0238 EA 2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX).....	832.57	26.20
<i>Note: For 4" and larger pipe. Excludes pipe saddle.</i>		
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-356.67	
32 84 23 00-0239 Moisture Sensors (32 84 23 00-0229)		
32 84 23 00-0240 EA Soil Moisture Sensor (Calsense 1000-S).....	295.29	19.65
32 84 23 00-0241 Weather Sensors (32 84 23 00-0229)		
32 84 23 00-0242 EA Wind Gage, Irrigation Weather Sensor (Calsense WG-1).....	805.74	52.40
32 84 23 00-0243 EA Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1).....	934.91	104.80
32 84 23 00-0244 EA ET Gage, Irrigation Weather Sensor (Calsense ETG)	1,833.34	78.60
32 84 23 00-0245 Weather Sensor Accessories (32 84 23 00-0229)		
32 84 23 00-0246 EA Replacement Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C).....	540.01	
32 84 23 00-0247 EA Replacement Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB).....	1,015.43	
32 84 23 00-0248 EA Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE).....	540.01	26.20
32 84 23 00-0249 EA Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE).....	1,239.12	26.20
32 84 23 00-0250 Antennas For Irrigation Controllers (32 84 23 00-0210)		
<i>Note: Excludes antenna cable.</i>		
32 84 23 00-0251 EA Local Radio Dome Antenna (Calsense LR-DOME)	284.01	26.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0252 EA Local Radio Stick Antenna (Calsense LR-STICK)	412.01	26.20
32 84 23 00-0253 EA Local Radio Yagi Antenna (Calsense LR-YAGI).....	464.41	52.40
32 84 23 00-0254 EA Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR).....	284.01	26.20
32 84 23 00-0255 EA Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE)	284.01	26.20
32 84 23 00-0256 EA GPRS Stubby Antenna (Calsense GR-STUBBY)	284.01	26.20
32 84 23 00-0257 EA GPRS Stick Antenna (Calsense GR-STICK)	412.01	26.20
32 84 23 00-0258 EA Spread Spectrum Dome Antenna (Calsense SR-DOME)	284.01	26.20
32 84 23 00-0259 EA Spread Spectrum Stick Antenna (Calsense SR-STICK)	412.01	26.20
32 84 23 00-0260 EA Spread Spectrum Yagi Antenna (Calsense SR-YAGI)	464.41	52.40
32 84 23 00-0261 EA Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR)	284.01	26.20
32 84 23 00-0262 EA Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE)	284.01	26.20
32 84 23 00-0263 EA Spread Spectrum Stubby Antenna (Calsense SR-STUBBY).....	284.01	26.20
32 84 23 00-0264 EA WiFi Stubby Antenna (Calsense WEN-STUBBY)	284.01	26.20
32 84 23 00-0265 LF Antenna Cable With End Connectors (Calsense LMR-400-DB)	7.70	0.31
32 84 23 00-0266 EA Surge Protection Device For Antenna (Calsense ANT-PROT)	282.19	13.09
32 84 23 00-0267 EA 5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5).....	460.77	26.20
32 84 23 00-0268 EA 3' Antenna Stand Off Mount For 3" Maximum Tower Leg (Calsense ANT-SOM)	386.18	
32 84 23 00-0269 EA Local Radio Frequency Filter (Calsense LR-FILTER).....	560.75	
32 84 23 00-0270 EA Spread Spectrum Frequency Filter (Calsense SR-FILTER)	414.47	
32 84 23 00-0271 Pedestals And Enclosures For Irrigation Controllers (32 84 23 00-0210)		
32 84 23 00-0272 EA 15 Amp, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER).....	261.45	39.30
32 84 23 00-0273 EA Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX)	629.68	65.49
32 84 23 00-0274 EA Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP)	692.39	26.20
Note: Includes GFI and receptacle.		
32 84 23 00-0275 EA Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1).....	825.57	19.65
Note: Includes factory installed transient protection board and AC line protection.		
32 84 23 00-0276 EA Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE).....	2,581.79	19.65
Note: Includes factory installed transient protection board and AC line protection.		
32 84 23 00-0277 EA Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R).....	2,916.19	19.65
Note: Includes factory installed transient protection board, AC line protection and dome antenna.		
32 84 23 00-0278 EA Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D)	4,232.69	39.30
Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.		
32 84 23 00-0279 EA Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R)	4,436.32	39.30
Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.		
32 84 23 00-0280 EA Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM)	146.07	
32 84 23 00-0281 EA Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED)	472.05	
32 84 23 00-0282 Central Computer For Irrigation Control Systems (32 84 23 00-0210)		
32 84 23 00-0283 EA Central Computer For Irrigation Control Systems (Calsense COMP-2).....	3,255.10	
Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.		
32 84 23 00-0284 EA Command Center Water Management Software For Central Computer (Calsense COMM-1).....	5,759.63	
32 84 23 00-0285 EA Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5).....	1,106.70	
Note: Package price for up to 5 users. Includes remote communication through internet connection.		
32 84 23 00-0286 EA >5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10)	2,176.71	
Note: Package price for 6 to 10 users. Includes remote communication through internet connection.		
32 84 23 00-0287 EA Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2)	3,503.92	
32 84 23 00-0288 EA GPRS Radio For Use At Central Computer (Calsense DTR-G)	2,094.50	
32 84 23 00-0289 Data Access Service (32 84 23 00-0210)		
32 84 23 00-0290 EA 1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN)	17.73	
Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0291 EA 1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR)	193.94	
Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0292 EA 5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR)	831.15	
Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0293 EA 1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M).....	72.03	
Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0294 EA 1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M).....	775.74	
Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0295 EA 5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M).....	3,324.60	
Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0296 Communication Options For Irrigation Controllers (32 84 23 00-0210)		
32 84 23 00-0297 EA FCC License Fee (Calsense).....	120.40	
32 84 23 00-0298 EA P.C.I.A. And/Or A.P.C.O. Fee (Calsense).....	231.22	
Note: Per frequency or frequency pair.		
32 84 23 00-0299 EA Hardware Communication Option For Irrigation Controllers (Calsense M)	642.76	
Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.		
32 84 23 00-0300 EA Phone Line Communication Option For Irrigation Controllers (Calsense R)	676.00	
32 84 23 00-0301 EA Ethernet Communication Option For Irrigation Controllers (Calsense EN)	676.00	
32 84 23 00-0302 EA WiFi Communication Option For Irrigation Controllers (Calsense WEN)	1,385.25	
32 84 23 00-0303 EA Local Radio Communication Option For Irrigation Controllers (Calsense LR)	1,762.04	
32 84 23 00-0304 EA Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR)	1,762.04	
32 84 23 00-0305 EA GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR).....	1,762.04	
32 84 23 00-0306 EA Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM)	5,651.82	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0307 EA Communication Hub For Irrigation Controllers (Calsense HUB)..... Note: Accepts up to two communication options. Excludes communication options.	2,178.88	
32 84 23 00-0308 Retrofit Options For Irrigation Controllers (32 84 23 00-0210)		
32 84 23 00-0309 Weather Retrofits For Irrigation Controllers (32 84 23 00-0308)		
32 84 23 00-0310 EA Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO)	866.93	
32 84 23 00-0311 EA Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO)	866.93	
32 84 23 00-0312 EA Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO)	866.93	
32 84 23 00-0313 EA Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO)	866.93	
32 84 23 00-0314 Phone Communication Retrofits For Irrigation Controllers (32 84 23 00-0308)		
32 84 23 00-0315 EA Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO)	911.26	
32 84 23 00-0316 EA Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO)	1,077.48	
32 84 23 00-0317 EA Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO)	1,725.78	
32 84 23 00-0318 Local Radio Communication Retrofits For Irrigation Controllers (32 84 23 00-0308)		
32 84 23 00-0319 EA Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO)	1,022.08	
32 84 23 00-0320 EA Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO)	2,152.44	
32 84 23 00-0321 EA Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO)	2,795.20	
32 84 23 00-0322 Spread Spectrum Radio Communication Retrofits For Irrigation Controllers (32 84 23 00-0308)		
32 84 23 00-0323 EA Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro)	1,022.08	
32 84 23 00-0324 EA Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR- RETRO)	2,152.44	
32 84 23 00-0325 EA Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO)	2,795.20	
32 84 23 00-0326 Ethernet Communication Retrofits For Irrigation Controllers (32 84 23 00-0308)		
32 84 23 00-0327 EA Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-Retro)	1,022.08	
32 84 23 00-0328 EA Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO)	1,077.48	
32 84 23 00-0329 EA Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO)	1,725.78	
32 84 23 00-0330 GPRS Radio Modem Communication Retrofits For Irrigation Controllers (32 84 23 00-0308)		
32 84 23 00-0331 EA Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO)	1,022.08	
32 84 23 00-0332 EA Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO)	2,152.44	
32 84 23 00-0333 EA Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO)	2,795.20	
32 84 23 00-0334 Radio Remote Units For Irrigation Controllers (32 84 23 00-0210)		
32 84 23 00-0335 EA Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN)	1,027.62	
32 84 23 00-0336 EA Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe)..... Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.	219.42	
32 84 23 00-0337 EA Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG)	94.20	
32 84 23 00-0338 EA Replacement Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT)	168.24	
32 84 23 00-0339 EA Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT)	107.29	6.55
Note: Excludes antenna cable.		
32 84 23 00-0340 EA Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP).....	207.03	6.55
Note: Excludes antenna cable.		
32 84 23 00-0341 EA Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome)	223.65	6.55
Note: Excludes antenna cable.		
32 84 23 00-0342 Satellite Irrigation Controllers (Rain Bird® ESP-SAT) (32 84 23 00-0105)		
Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0343 EA 12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS)	2,420.30	117.89
32 84 23 00-0344 EA 24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS)	2,552.44	124.45
32 84 23 00-0345 EA 40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS)	3,539.10	130.99
32 84 23 00-0346 Irrigation Valves (32 84 23)		
32 84 23 00-0347 Reduced Pressure Zone Valves With QT Shut-Offs (32 84 23 00-0346)		
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0348 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	409.08	26.73
32 84 23 00-0349 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	485.80	32.64
32 84 23 00-0350 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	729.02	37.99
32 84 23 00-0351 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	772.20	43.62
32 84 23 00-0352 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	928.49	56.28
32 84 23 00-0353 Brass Quick-Coupling Irrigation Valves (32 84 23 00-0346)		
32 84 23 00-0354 EA 3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC)	91.35	23.31
For Valve Key, Add	22.70	
32 84 23 00-0355 EA 3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC)	93.97	23.31
For Locking Cover, Add	25.00	
For Valve Key, Add	22.70	
32 84 23 00-0356 EA 1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC)	122.85	23.31
For Valve Key, Add	58.07	
32 84 23 00-0357 EA 1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC)	133.35	23.31
For Valve Key, Add	58.07	
32 84 23 00-0358 EA 1", 1-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 5NP)	128.41	23.31
32 84 23 00-0359 EA 1", 2-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 44NP)	133.35	23.31
32 84 23 00-0360 Anti-Siphon Pressure Type Vacuum Breaker (32 84 23 00-0346)		
Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0361 EA 3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	127.36	19.69
32 84 23 00-0362 EA 1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	178.47	22.52
32 84 23 00-0363 EA 1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	313.93	26.03
32 84 23 00-0364 EA 1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	381.52	28.84
32 84 23 00-0365 EA 2" Anti-Siphon Pressure Type Vacuum Breaker	388.54	35.17
32 84 23 00-0366 Irrigation Piping (32 84 23)		
32 84 23 00-0367 LF 3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	1.87	0.81
For >1,000, Deduct	-0.09	
32 84 23 00-0368 LF 1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	2.25	0.97
For >1,000, Deduct	-0.11	
32 84 23 00-0369 LF 1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	3.14	1.23
For >1,000, Deduct	-0.16	
32 84 23 00-0370 LF 2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	4.04	1.54
For >1,000, Deduct	-0.20	
32 84 23 00-0371 LF 2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	5.12	1.81
For >1,000, Deduct	-0.26	
32 84 23 00-0372 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	1.57	0.65
For >1,000, Deduct	-0.08	
32 84 23 00-0373 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	1.98	0.81
For >1,000, Deduct	-0.10	
32 84 23 00-0374 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	2.43	0.97
For >1,000, Deduct	-0.12	
32 84 23 00-0375 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	3.27	1.23
For >1,000, Deduct	-0.16	
32 84 23 00-0376 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	4.15	1.54
For >1,000, Deduct	-0.21	
32 84 23 00-0377 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	5.28	1.81
For >1,000, Deduct	-0.26	
32 84 23 00-0378 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	7.35	2.59
For >1,000, Deduct	-0.37	
32 84 23 00-0379 LF 1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings	1.65	0.65
For >1,000, Deduct	-0.08	
32 84 23 00-0380 LF 3/4" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings	2.08	0.81
For >1,000, Deduct	-0.10	
32 84 23 00-0381 LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings	2.59	0.97
For >1,000, Deduct	-0.13	
32 84 23 00-0382 LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings	3.59	1.23
For >1,000, Deduct	-0.18	
32 84 23 00-0383 LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings	4.69	1.54
For >1,000, Deduct	-0.23	
32 84 23 00-0384 LF 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings	5.97	1.81
For >1,000, Deduct	-0.30	
32 84 23 00-0385 LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings	8.33	2.59
For >1,000, Deduct	-0.42	
32 84 23 00-0386 LF 1/2" Poly Pipe, 100 PSI, Non NSF	1.20	0.70
For >1,000, Deduct	-0.06	
32 84 23 00-0387 LF 3/4" Poly Pipe, 100 PSI, Non NSF	1.26	0.74
For >1,000, Deduct	-0.06	
32 84 23 00-0388 LF 1" Poly Pipe, 100 PSI, Non NSF	1.52	0.86
For >1,000, Deduct	-0.08	
32 84 23 00-0389 LF 1-1/4" Poly Pipe, 100 PSI, Non NSF	1.84	0.99
For >1,000, Deduct	-0.09	
32 84 23 00-0390 LF 1-1/2" Poly Pipe, 100 PSI, Non NSF	2.15	1.12
For >1,000, Deduct	-0.11	
32 84 23 00-0391 LF 2" Poly Pipe, 100 PSI, Non NSF	2.81	1.38
For >1,000, Deduct	-0.14	
32 84 23 00-0392 LF 3/4" Poly Pipe, 80 PSI, NSF	1.71	0.74
For >1,000, Deduct	-0.09	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0393 LF 1" Poly Pipe, 80 PSI, NSF..... <i>For >1,000, Deduct</i>	2.07 -0.10	0.86
32 84 23 00-0394 LF 1-1/4" Poly Pipe, 80 PSI, NSF <i>For >1,000, Deduct</i>	2.65 -0.13	0.99
32 84 23 00-0395 LF 1-1/2" Poly Pipe, 80 PSI, NSF <i>For >1,000, Deduct</i>	3.15 -0.16	1.12
32 84 23 00-0396 LF 2" Poly Pipe, 80 PSI, NSF..... <i>For >1,000, Deduct</i>	4.32 -0.22	1.38
32 84 23 00-0397 LF 3/4" Poly Pipe, 100 PSI, NSF, High Density <i>For >1,000, Deduct</i>	1.29 -0.06	0.74
32 84 23 00-0398 LF 1" Poly Pipe, 100 PSI, NSF, High Density <i>For >1,000, Deduct</i>	1.55 -0.08	0.86
32 84 23 00-0399 LF 1-1/4" Poly Pipe, 100 PSI, NSF, High Density <i>For >1,000, Deduct</i>	1.90 -0.10	0.99
32 84 23 00-0400 LF 1-1/2" Poly Pipe, 100 PSI, NSF, High Density <i>For >1,000, Deduct</i>	2.25 -0.11	1.12
32 84 23 00-0401 LF 2" Poly Pipe, 100 PSI, NSF, High Density <i>For >1,000, Deduct</i>	2.97 -0.15	1.38
32 84 23 00-0402 LF 2-1/2" Poly Pipe, 100 PSI, NSF, High Density <i>For >1,000, Deduct</i>	4.01 -0.20	1.62
32 84 23 00-0403 LF 3" Poly Pipe, 100 PSI, NSF, High Density <i>For >1,000, Deduct</i>	4.36 -0.22	1.78
32 84 23 00-0404 Irrigation Swing Joints <small>(32 84 23)</small>		
32 84 23 00-0405 EA 3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075).....	34.77	12.89
32 84 23 00-0406 EA 1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12).....	39.51	14.39
32 84 23 00-0407 EA 1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS).....	51.86	14.39
32 84 23 00-0408 EA 1/2" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I..... Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	26.49	16.80
32 84 23 00-0409 EA 3/4" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I..... Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	35.37	22.41
32 84 23 00-0410 EA 1" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I..... Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	44.09	27.48
32 84 23 00-0411 EA 1/2" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type II..... Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	37.93	17.06
32 84 23 00-0412 EA 3/4" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type II..... Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	50.14	22.64
32 84 23 00-0413 EA 1" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type II..... Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	61.39	27.76
32 84 23 00-0414 EA 1/2" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III..... Note: Consists of two street 90 degree elbows.	21.44	10.45
32 84 23 00-0415 EA 3/4" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III..... Note: Consists of two street 90 degree elbows.	28.63	13.93
32 84 23 00-0416 EA 1" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III..... Note: Consists of two street 90 degree elbows.	33.73	17.27
32 84 23 00-0417 Irrigation Control Wire <small>(32 84 23)</small> Note: Excludes excavation and backfill.		
32 84 23 00-0418 18 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0417)</small>		
32 84 23 00-0419 CLF 1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	29.69	9.71
32 84 23 00-0420 CLF 2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	38.63	11.33
32 84 23 00-0421 CLF 3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	44.44	12.95
32 84 23 00-0422 CLF 4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	50.80	14.57
32 84 23 00-0423 CLF 5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	57.74	16.20
32 84 23 00-0424 CLF 6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	68.69	17.81
32 84 23 00-0425 CLF 7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	79.18	19.43
32 84 23 00-0426 CLF 8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	86.03	21.05
32 84 23 00-0427 CLF 9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	94.37	22.67
32 84 23 00-0428 CLF 10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	103.89	24.28
32 84 23 00-0429 CLF 11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	107.68	25.91
32 84 23 00-0430 CLF 12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	112.06	27.53
32 84 23 00-0431 CLF 13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	118.26	29.14
32 84 23 00-0432 16 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0417)</small>		
32 84 23 00-0433 CLF 1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench	31.21	9.71
32 84 23 00-0434 14 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0417)</small>		
32 84 23 00-0435 CLF 1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench	31.21	9.71
32 84 23 00-0436 12 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0417)</small>		
32 84 23 00-0437 CLF 1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	41.24	9.71



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0438 10 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0417)</small>		
32 84 23 00-0439 CLF 1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	53.94	9.71
32 84 23 00-0440 Root Watering Systems <small>(32 84 23)</small>		
Note: Includes swing assembly.		
32 84 23 00-0441 EA 0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401).....	55.38	12.95
For Root Watering Sand Sock, Add	3.09	
32 84 23 00-0442 EA 0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird®		
RWS-B-C-1401)	59.47	12.95
For Root Watering Sand Sock, Add	3.09	
32 84 23 00-0443 EA 0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402).....	55.38	12.95
For Root Watering Sand Sock, Add	3.09	
32 84 23 00-0444 EA 0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird®		
RWS-B-C-1402)	59.47	12.95
For Root Watering Sand Sock, Add	3.09	
32 84 23 00-0445 EA 1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird®		
RWS-B-C-1404)	59.47	12.95
For Root Watering Sand Sock, Add	3.09	
32 84 23 00-0446 EA 0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401)	48.09	11.33
For Root Watering Sand Sock, Add	2.77	
32 84 23 00-0447 EA 0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird®		
RWS-M-B-C-1401)	52.01	11.33
For Root Watering Sand Sock, Add	2.77	
32 84 23 00-0448 EA 0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402)	48.09	11.33
For Root Watering Sand Sock, Add	2.77	
32 84 23 00-0449 EA 0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird®		
RWS-M-B-C-1402)	52.01	11.33
For Root Watering Sand Sock, Add	2.77	
32 84 23 00-0450 EA 0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401)	32.95	9.71
For Root Watering Sand Sock, Add	2.45	
32 84 23 00-0451 EA 0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird®		
RWS-S-B-C-1401)	36.69	9.71
For Root Watering Sand Sock, Add	2.45	

32 90 Planting (32)

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation (32 91)

32 91 13 Soil Preparation (32 91)

32 91 13 16 Mulching (32 91 13)

32 91 13 16-0001 Mulch (32 91 13 16)

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 91 13 16-0002 CY Pine Bark Nugget Mulch	80.80	
For >5 To 20, Deduct	-6.21	
For >20 To 50, Deduct	-8.37	
For >50, Deduct	-10.54	
For Work On Slopes >2.5:1, Add	8.66	
32 91 13 16-0003 CY Hardwood Bark Nugget Mulch	79.30	
For >5 To 20, Deduct	-6.13	
For >20 To 50, Deduct	-8.30	
For >50, Deduct	-10.46	
For Work On Slopes >2.5:1, Add	8.66	
32 91 13 16-0004 CY Pine Wood Chip Mulch	76.30	
For >5 To 20, Deduct	-5.98	
For >20 To 50, Deduct	-8.15	
For >50, Deduct	-10.31	
For Work On Slopes >2.5:1, Add	8.66	
32 91 13 16-0005 CY Hardwood Chip Mulch	82.30	
For >5 To 20, Deduct	-6.28	
For >20 To 50, Deduct	-8.45	
For >50, Deduct	-10.61	
For Work On Slopes >2.5:1, Add	8.66	
32 91 13 16-0006 CY Shredded Hardwood Mulch	82.30	
For >5 To 20, Deduct	-6.28	
For >20 To 50, Deduct	-8.45	
For >50, Deduct	-10.61	
For Work On Slopes >2.5:1, Add	8.66	
32 91 13 16-0007 CY Shredded Pine Mulch	68.80	
For >5 To 20, Deduct	-5.61	
For >20 To 50, Deduct	-7.77	
For >50, Deduct	-9.94	
For Work On Slopes >2.5:1, Add	8.66	
32 91 13 16-0008 CY Shredded Cedar Mulch	98.05	
For >5 To 20, Deduct	-7.07	
For >20 To 50, Deduct	-9.23	
For >50, Deduct	-11.40	
For Work On Slopes >2.5:1, Add	8.66	

32 Exterior Improvements**32 90 Planting****32 91 Planting Preparation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0009	CY	Shredded Cypress Mulch.....	95.80	
		<i>For >5 To 20, Deduct</i>	-6.96	
		<i>For >20 To 50, Deduct</i>	-9.12	
		<i>For >50, Deduct</i>	-11.29	
		<i>For Work On Slopes >2.5:1, Add</i>	8.66	
32 91 13 16-0010	CY	Shredded Redwood Mulch.....	101.80	
		<i>For >5 To 20, Deduct</i>	-7.26	
		<i>For >20 To 50, Deduct</i>	-9.42	
		<i>For >50, Deduct</i>	-11.59	
		<i>For Work On Slopes >2.5:1, Add</i>	8.66	
32 91 13 16-0011	CY	Pea Gravel Mulch.....	90.38	
		<i>For >5 To 20, Deduct</i>	-6.68	
		<i>For >20 To 50, Deduct</i>	-8.85	
		<i>For >50, Deduct</i>	-11.01	
		<i>For Work On Slopes >2.5:1, Add</i>	8.66	
32 91 13 16-0012	CY	Chunk Recycled Tire Mulch.....	160.12	
		<i>For >5 To 20, Deduct</i>	-10.76	
		<i>For >20 To 50, Deduct</i>	-13.52	
		<i>For >50, Deduct</i>	-16.27	
		<i>For Work On Slopes >2.5:1, Add</i>	11.02	
32 91 13 16-0013	CY	Chunk Colored Recycled Tire Mulch.....	263.62	
		<i>For >5 To 20, Deduct</i>	-15.94	
		<i>For >20 To 50, Deduct</i>	-18.69	
		<i>For >50, Deduct</i>	-21.45	
		<i>For Work On Slopes >2.5:1, Add</i>	11.02	
32 91 13 16-0014	CY	Shredded Recycled Tire Mulch.....	265.12	
		<i>For >5 To 20, Deduct</i>	-16.01	
		<i>For >20 To 50, Deduct</i>	-18.77	
		<i>For >50, Deduct</i>	-21.52	
		<i>For Work On Slopes >2.5:1, Add</i>	11.02	
32 91 13 16-0015	CY	Shredded Colored Recycled Tire Mulch.....	472.12	
		<i>For >5 To 20, Deduct</i>	-26.36	
		<i>For >20 To 50, Deduct</i>	-29.12	
		<i>For >50, Deduct</i>	-31.87	
		<i>For Work On Slopes >2.5:1, Add</i>	11.02	
32 91 13 16-0016	EA	Pine Straw Mulch Bale.....	7.63	
		Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.		
		<i>For >100 To 250, Deduct</i>	-0.50	
		<i>For >250 To 500, Deduct</i>	-0.62	
		<i>For >500, Deduct</i>	-0.88	
		<i>For Work On Slopes >2.5:1, Add</i>	0.48	
32 91 13 16-0017	EA	Wheat Straw Mulch Bale.....	7.96	
		Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.		
		<i>For >100 To 250, Deduct</i>	-0.49	
		<i>For >250 To 500, Deduct</i>	-0.58	
		<i>For >500, Deduct</i>	-0.89	
		<i>For Work On Slopes >2.5:1, Add</i>	0.36	
32 91 13 16-0018	CY	Stone/Gravel Mulch, Marble Chips.....	178.91	
		<i>For >5 To 20, Deduct</i>	-11.11	
		<i>For >20 To 50, Deduct</i>	-13.28	
		<i>For >50, Deduct</i>	-15.44	
		<i>For Work On Slopes >2.5:1, Add</i>	8.66	
32 91 13 16-0019	CY	Stone Mulch, Decomposed Granite Chips.....	79.45	
		<i>For >5 To 20, Deduct</i>	-6.14	
		<i>For >20 To 50, Deduct</i>	-8.30	
		<i>For >50, Deduct</i>	-10.47	
		<i>For Work On Slopes >2.5:1, Add</i>	8.66	

32 91 13 26 Planting Beds (32 91 13)

Note: Not for use when installing trees and shrubs.

32 91 13 26-0001 Plant Bed Preparation (32 91 13 26)

Note: Not for use when installing trees and shrubs.

32 91 13 26-0002	SF	Prepare And Mix Plant Bed, Up To 8" Deep By Machine.....	0.68	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
		<i>For Work On Slopes >2.5:1, Add</i>	0.14	
32 91 13 26-0003	SF	Prepare And Mix Plant Bed, 9" To 13" Deep By Machine.....	0.79	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
		<i>For Work On Slopes >2.5:1, Add</i>	0.16	
32 91 13 26-0004	SF	Prepare And Mix Plant Bed, 14" To 18" Deep By Machine.....	0.92	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
		<i>For Work On Slopes >2.5:1, Add</i>	0.18	
32 91 13 26-0005	SF	Prepare And Mix Plant Bed By Hand, Up To 8" Deep.....	3.03	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
		<i>For Work On Slopes >2.5:1, Add</i>	0.61	
32 91 13 26-0006	SF	Prepare And Mix Plant Bed By Hand, 9" To 13" Deep.....	3.48	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
		<i>For Work On Slopes >2.5:1, Add</i>	0.70	



		Exterior Improvements	32
		Planting	32 90
		Planting Preparation	32 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 26-0007 SF Prepare And Mix Plant Bed By Hand, 14" To 18" Deep.....	4.10	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	0.82	
32 91 13 26-0008 Planting Pit Preparation (32 91 13 26)		
Note: Not for use when installing trees and shrubs.		
32 91 13 26-0009 CY Excavate Planting Pit By Hand, Sandy Soil.....	52.40	
Note: For use with existing planting pits.		
For Work On Slopes >2.5:1, Add	10.48	
32 91 13 26-0010 CY Excavate Planting Pit By Hand, Heavy Soil.....	104.80	
Note: For use with existing planting pits.		
For Work On Slopes >2.5:1, Add	20.96	
32 91 13 26-0011 CY Excavate Planting Pit By Machine, Sandy Soil.....	8.55	
Note: For use with existing planting pits.		
For Work On Slopes >2.5:1, Add	1.71	
32 91 13 26-0012 CY Excavate Planting Pit By Machine, Heavy Soil.....	11.13	
Note: For use with existing planting pits.		
For Work On Slopes >2.5:1, Add	2.23	
32 91 13 26-0013 CY Backfill Planting Pit By Hand With Topsoil From Stockpile.....	46.56	
For Work On Slopes >2.5:1, Add	9.31	
32 91 13 26-0014 CY Backfill Planting Pit By Hand With Contractor Furnished Planting Mix.....	67.30	
For Work On Slopes >2.5:1, Add	8.55	
32 91 13 26-0015 CY Backfill Planting Pit By Machine, With Topsoil From Stockpile.....	4.63	
For Work On Slopes >2.5:1, Add	0.93	
32 91 13 26-0016 CY Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix.....	36.19	
For Work On Slopes >2.5:1, Add	2.33	
32 91 13 26-0017 Weed Barrier (32 91 13 26)		
32 91 13 26-0018 SY Up To 3 Oz/SY Non Woven, Polypropylene Weed Barrier.....	1.25	
For Work On Slopes >2.5:1, Add	0.08	
32 91 13 26-0019 SY 4 Oz/SY Woven, Polypropylene Weed Barrier.....	1.68	
For Work On Slopes >2.5:1, Add	0.08	
32 91 13 26-0020 SY 5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier.....	1.87	
For Work On Slopes >2.5:1, Add	0.08	
32 91 13 33 Soil Conditioners (32 91 13)		
32 91 13 33-0001 Spread Soil Conditioners (32 91 13 33)		
32 91 13 33-0002 SY Aluminum Sulfate 1 LB/SY, Push Spreader.....	0.34	
32 91 13 33-0003 MSF Aluminum Sulfate 1 LB/SY, Tractor Spreader.....	33.51	
32 91 13 33-0004 SY Fertilizer, 0.2 LB/SY, Push Spreader.....	0.04	
32 91 13 33-0005 MSF Fertilizer, 0.2 LB/SY, Tractor Spread.....	2.20	
32 91 13 33-0006 MSF Fertilizer, 18.36 LB/MSF, Truck Spread.....	3.57	
32 91 13 33-0007 SY Pelletized Lime, 1 LB/SY, Push Spreader.....	0.07	
32 91 13 33-0008 MSF Pelletized Lime, 1 LB/SY, Tractor Spreader.....	6.10	
32 91 13 33-0009 SY Perlite, 1" Deep, Push Spreader.....	3.07	
32 91 13 33-0010 MSF Perlite, 1" Deep, Tractor Spreader.....	319.52	
32 91 13 33-0011 SY Vermiculite, Push Spreader.....	2.85	
32 91 13 33-0012 MSF Vermiculite, Tractor Spreader.....	312.11	
32 91 13 36 Lawn Bed Preparation (32 91 13)		
32 91 13 36-0001 Lawn Bed Preparation (32 91 13 36)		
32 91 13 36-0002 MSF Rake Topsoil With Machine.....	53.10	
32 91 13 36-0003 MSF Rake Topsoil By Hand.....	41.91	
32 91 13 36-0004 MSF Screen Loam By Hand.....	27.94	
32 91 13 36-0005 SY Roll Topsoil With Machine.....	0.69	
32 91 13 36-0006 SY Roll Topsoil By Hand.....	1.87	
32 91 13 36-0007 MSF Removal Of Rocks And Debris With Machine.....	6.28	
32 91 13 36-0008 MSF Removal Of Rocks And Debris By Hand.....	19.48	
32 91 13 36-0009 MSF Root Raking And Loading, No Boulders.....	32.86	
For >45 to 225, Deduct	-23.00	
For >225, Deduct	-29.57	
32 91 13 36-0010 MSF Root Raking And Loading, With Boulders.....	54.76	
For >45 to 225, Deduct	-38.33	
For >225, Deduct	-49.28	
32 91 13 36-0011 MSF Up To 6" Deep Tilling Topsoil With Tractor.....	2.96	
32 91 13 36-0012 MSF >6" To 12" Deep Tilling Topsoil With Tractor.....	6.00	
For Work On Slopes >2.5:1, Add	1.20	
32 91 13 36-0013 SY Up To 2" Deep Tilling Topsoil With Rototiller.....	0.44	
32 91 13 36-0014 SY >2" To 4" Deep Tilling Topsoil With Rototiller.....	0.54	
32 91 13 36-0015 SY >4" To 6" Deep Tilling Topsoil With Rototiller.....	0.67	
32 91 13 36-0016 LF "V" Cut Soil For Edge Of Planting Beds.....	0.74	
32 91 13 36-0017 Sod Removal (32 91 13 36)		
32 91 13 36-0018 SY Removal Of Sod By Hand.....	3.53	
For Work On Slopes >2.5:1, Add	0.71	

32 Exterior Improvements**32 90 Planting****32 91 Planting Preparation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	32 91 13 36-0019	SY	Removal Of Sod With Machine <i>For Work On Slopes >2.5:1, Add</i>	0.40 0.08	
	32 91 13 36-0020	SY	Pile Sod By Hand <i>For Work On Slopes >2.5:1, Add</i>	2.10 0.42	
	32 91 13 36-0021	SY	Pile Sod With Machine <i>For Work On Slopes >2.5:1, Add</i>	0.75 0.15	
32 91 19 Landscape Grading (32 91)					
32 91 19 13 Topsoil Placement And Grading (32 91 19)					
32 91 19 13-0001 Remove And Stockpile Topsoil On Site (32 91 19 13)					
	32 91 19 13-0002	CY	Removal Of Topsoil, 4" Deep Stockpile On Site	3.20	
	32 91 19 13-0003	CY	Removal Of Topsoil, 6" Deep Stockpile On Site	3.16	
32 91 19 13-0004 Screening Topsoil (32 91 19 13)					
	32 91 19 13-0005	CY	Screen Topsoil With Vibrating Screen, Wet Material (Organic)	7.06	
	32 91 19 13-0006	CY	Screen Topsoil With Vibrating Screen, Dry Material	4.71	
32 91 19 13-0007 Spreading Topsoil From Stockpile (32 91 19 13)					
	32 91 19 13-0008	CY	Spread Topsoil By Machine From Stockpile	5.10	
	32 91 19 13-0009	CY	Spread Topsoil By Hand From Stockpile	39.99	
32 91 19 13-0010 Furnish And Place Imported Screened Topsoil (32 91 19 13)					
Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.					
	32 91 19 13-0011	SY	Furnish And Place Imported Screened Topsoil, 2" Deep <i>For Unscreened, Deduct</i>	2.20 -0.26	
	32 91 19 13-0012	SY	Furnish And Place Imported Screened Topsoil, 4" Deep <i>For Unscreened, Deduct</i>	4.21 -0.52	
	32 91 19 13-0013	SY	Furnish And Place Imported Screened Topsoil, 6" Deep <i>For Unscreened, Deduct</i>	6.05 -0.77	
	32 91 19 13-0014	SY	Furnish And Place Imported Screened Topsoil, 9" Deep <i>For Unscreened, Deduct</i>	8.71 -1.16	
	32 91 19 13-0015	SY	Furnish And Place Imported Screened Topsoil, 12" Deep <i>For Unscreened, Deduct</i>	11.37 -1.54	
	32 91 19 13-0016	CY	Furnish And Place Imported Screened Topsoil, Over 12" Deep <i>For Unscreened, Deduct</i>	30.93 -4.63	
32 91 19 16 Scarify Soil (32 91 19)					
32 91 19 16-0001 Scarify Soil For Planting Preparation (32 91 19 16)					
Note: Ripped in multiple directions with 3" maximum clods.					
	32 91 19 16-0002	MSF	Up To 5,000 SF Scarify Up To 8" Soil With Machine	40.00	
	32 91 19 16-0003	MSF	>5,000 To 20,000 SF Scarify Up To 8" Soil With Machine	28.00	
	32 91 19 16-0004	MSF	>20,000 SF Scarify Up To 8" Soil With Machine With Scarifier	16.46	
32 92 Turf And Grasses (32 90)					
32 92 16 Plugging (32 92)					
32 92 16 00-0001 Bermuda Or Centipede Plugging, 1" Deep (32 92 16)					
Note: Includes fine grade and soil preparation.					
32 92 16 00-0002 6" On Center Plugging (32 92 16 00-0001)					
	32 92 16 00-0003	MSF	Plugging By Hand, 6" On Center	147.12	
	32 92 16 00-0004	MSF	Plugging By Walk Behind Planter, 6" On Center	30.24	
	32 92 16 00-0005	MSF	Plugging By Towed Planter, 6" On Center	25.49	
32 92 16 00-0006 9" On Center Plugging (32 92 16 00-0001)					
	32 92 16 00-0007	MSF	Plugging By Hand, 9" On Center	112.54	
	32 92 16 00-0008	MSF	Plugging By Walk Behind Planter, 9" On Center	23.17	
	32 92 16 00-0009	MSF	Plugging By Towed Planter, 9" On Center	18.97	
32 92 16 00-0010 12" On Center Plugging (32 92 16 00-0001)					
	32 92 16 00-0011	MSF	Plugging By Hand, 12" On Center	92.81	
	32 92 16 00-0012	MSF	Plugging By Walk Behind Planter, 12" On Center	15.18	
	32 92 16 00-0013	MSF	Plugging By Towed Planter, 12" On Center	11.95	
32 92 19 Seeding (32 92)					
32 92 19 13 Mechanical Seeding (32 92 19)					
Note: Includes fertilizing, liming, mixing, seeding and initial watering.					



		Exterior Improvements	32
		Planting	32 90
		Turf And Grasses	32 92

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0001 Tractor Spreader Mechanical Seeding <small>(32 92 19 13)</small>		
Note: Excludes straw.		
32 92 19 13-0002 MSF Common Bluegrass, Tractor Spreader	27.97	
Note: 4 LB/MSF spread rate.		
32 92 19 13-0003 MSF Tall Fescue, Tractor Spreader	22.46	
Note: 5.5 LB/MSF spread rate.		
32 92 19 13-0004 MSF Rye, Tractor Spreader	22.85	
Note: 10 LB/MSF spread rate.		
32 92 19 13-0005 MSF Shade Mix, Tractor Spreader	24.84	
Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
32 92 19 13-0006 MSF Turf Mix, Tractor Spreader	26.26	
Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
32 92 19 13-0007 MSF Slope Mix, Tractor Spreader	24.36	
Note: 6 LB/MSF spread rate.		
32 92 19 13-0008 MSF Utility Mix, Tractor Spreader	21.99	
Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
32 92 19 13-0009 MSF Wild Flower Mix, Tractor Spreader	17.52	
Note: 0.10 LB/MSF spread rate.		
32 92 19 13-0010 MSF Crown Vetch Mix, Tractor Spreader	52.86	
Note: 4 LB/MSF spread rate.		
32 92 19 13-0011 MSF Athletic Mix, Tractor Spreader	31.96	
Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
32 92 19 13-0012 MSF White Clover Mix, Tractor Spreader	17.47	
Note: 7 LB/MSF spread rate.		
32 92 19 13-0013 MSF Ladino Clover Mix, Tractor Spreader	19.37	
Note: 7 LB/MSF spread rate.		
32 92 19 13-0014 Hydro Or Air Mechanical Seeding <small>(32 92 19 13)</small>		
32 92 19 13-0015 MSF Common Bluegrass, Hydro Or Air Seeding	55.67	
Note: 4 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	59.47	
For >1 To 4, Add	38.19	
For >4 To 7.5, Add	25.86	
For >7.5 To 10, Add	12.93	
For >45, Deduct	-4.47	
For Tackifier, Add	0.71	
32 92 19 13-0016 MSF Tall Fescue, Hydro Or Air Seeding	59.00	
Note: 5.5 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	60.80	
For >1 To 4, Add	38.86	
For >4 To 7.5, Add	26.19	
For >7.5 To 10, Add	13.10	
For >45, Deduct	-4.64	
For Tackifier, Add	0.71	
32 92 19 13-0017 MSF Rye, Hydro Or Air Spread	55.81	
Note: 10 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	59.53	
For >1 To 4, Add	38.22	
For >4 To 7.5, Add	25.87	
For >7.5 To 10, Add	12.94	
For >45, Deduct	-4.48	
For Tackifier, Add	0.71	
32 92 19 13-0018 MSF Shade Mix, Hydro Or Air Seeding	55.67	
Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
For Spot Areas Up To 1, Add	59.47	
For >1 To 4, Add	38.19	
For >4 To 7.5, Add	25.86	
For >7.5 To 10, Add	12.93	
For >45, Deduct	-4.47	
For Tackifier, Add	0.71	
32 92 19 13-0019 MSF Turf Mix, Hydro Or Air Seeding	59.00	
Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
For Spot Areas Up To 1, Add	60.80	
For >1 To 4, Add	38.86	
For >4 To 7.5, Add	26.19	
For >7.5 To 10, Add	13.10	
For >45, Deduct	-4.64	
For Tackifier, Add	0.71	
32 92 19 13-0020 MSF Slope Mix, Hydro Or Air Seeding	57.57	
Note: 6 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	60.23	
For >1 To 4, Add	38.57	
For >4 To 7.5, Add	26.05	
For >7.5 To 10, Add	13.02	
For >45, Deduct	-4.57	
For Tackifier, Add	0.71	

32 Exterior Improvements**32 90 Planting****32 92 Turf And Grasses**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0021 MSF Utility Mix, Hydro Or Air Seeding.....	56.42	
Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
For Spot Areas Up To 1, Add	59.77	
For >1 To 4, Add	38.34	
For >4 To 7.5, Add	25.93	
For >7.5 To 10, Add	12.97	
For >45, Deduct	-4.51	
For Tackifier, Add	0.71	
32 92 19 13-0022 MSF Wild Flower Mix, Hydro Or Air Seeding.....	52.72	
Note: 0.10 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	58.29	
For >1 To 4, Add	37.60	
For >4 To 7.5, Add	25.56	
For >7.5 To 10, Add	12.78	
For >45, Deduct	-4.33	
For Tackifier, Add	0.71	
32 92 19 13-0023 MSF Crown Vetch Mix, Hydro Or Air Seeding.....	86.07	
Note: 4 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	71.63	
For >1 To 4, Add	44.27	
For >4 To 7.5, Add	28.90	
For >7.5 To 10, Add	14.45	
For >45, Deduct	-5.99	
For Tackifier, Add	0.71	
32 92 19 13-0024 MSF Athletic Mix, Hydro Or Air Seeding.....	75.63	
Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
For Spot Areas Up To 1, Add	67.45	
For >1 To 4, Add	42.18	
For >4 To 7.5, Add	27.86	
For >7.5 To 10, Add	13.93	
For >45, Deduct	-5.47	
For Tackifier, Add	0.71	
32 92 19 13-0025 MSF White Clover Mix, Hydro Or Air Seeding.....	48.21	
Note: 7 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	56.49	
For >1 To 4, Add	36.70	
For >4 To 7.5, Add	25.11	
For >7.5 To 10, Add	12.56	
For >45, Deduct	-4.10	
For Tackifier, Add	0.71	
32 92 19 13-0026 MSF Ladino Clover Mix, Hydro Or Air Seeding.....	53.77	
Note: 7 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	58.71	
For >1 To 4, Add	37.81	
For >4 To 7.5, Add	25.67	
For >7.5 To 10, Add	12.83	
For >45, Deduct	-4.38	
For Tackifier, Add	0.71	
32 92 19 13-0027 MSF 60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread.....	56.62	
Note: 4 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	59.85	
For >1 To 4, Add	38.38	
For >4 To 7.5, Add	25.95	
For >7.5 To 10, Add	12.98	
For >45, Deduct	-4.52	
For Tackifier, Add	0.71	
32 92 19 13-0028 MSF 2,500 LB/Acre, High Performance - Flexible Growth Medium.....	66.89	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-4.19	
32 92 19 13-0029 MSF 3,000 LB/Acre, High Performance - Flexible Growth Medium.....	77.73	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-4.77	
32 92 19 13-0030 MSF 3,500 LB/Acre, High Performance - Flexible Growth Medium.....	88.62	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-5.36	
32 92 19 13-0031 MSF 4,000 LB/Acre, High Performance - Flexible Growth Medium.....	99.54	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-5.96	
32 92 19 13-0032 MSF 4,500 LB/Acre, High Performance - Flexible Growth Medium.....	110.52	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-6.55	
32 92 19 19 Seeding By Hand <small>(32 92 19)</small>		
Note: Includes fertilizing, liming, mixing, seeding and initial watering. See CSI section 32 91 13 16-0017 for wheat straw mulch.		
32 92 19 19-0001 Push Spreader Or Hand Seeding <small>(32 92 19 19)</small>		
Note: Excludes straw.		
32 92 19 19-0002 MSF Common Bluegrass, Push Spreader Or Hand.....	65.50	
Note: 4 LB/MSF spread rate.		
For >5 To 20, Deduct	-4.58	
For >20 To 45, Deduct	-8.84	
For >45, Deduct	-14.41	



		Exterior Improvements	32
		Planting	32 90
		Turf And Grasses	32 92

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19-0003 MSF Tall Fescue, Push Spreader Or Hand.....	59.99	
Note: 5.5 LB/MSF spread rate.		
For >5 To 20, Deduct	-4.31	
For >20 To 45, Deduct	-8.43	
For >45, Deduct	-13.86	
32 92 19 19-0004 MSF Rye, Push Spreader Or Hand.....	60.38	
Note: 10 LB/MSF spread rate.		
For >5 To 20, Deduct	-4.33	
For >20 To 45, Deduct	-8.46	
For >45, Deduct	-13.90	
32 92 19 19-0005 MSF Shade Mix, Push Spreader Or Hand.....	62.37	
Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
For >5 To 20, Deduct	-4.43	
For >20 To 45, Deduct	-8.61	
For >45, Deduct	-14.10	
32 92 19 19-0006 MSF Turf Mix, Push Spreader Or Hand.....	63.79	
Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
For >5 To 20, Deduct	-4.50	
For >20 To 45, Deduct	-8.71	
For >45, Deduct	-14.24	
32 92 19 19-0007 MSF Slope Mix, Push Spreader Or Hand.....	61.89	
Note: 6 LB/MSF spread rate.		
For >5 To 20, Deduct	-4.40	
For >20 To 45, Deduct	-8.57	
For >45, Deduct	-14.05	
32 92 19 19-0008 MSF Utility Mix, Push Spreader Or Hand.....	59.52	
Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
For >5 To 20, Deduct	-4.29	
For >20 To 45, Deduct	-8.39	
For >45, Deduct	-13.81	
32 92 19 19-0009 MSF Wild Flower Mix, Push Spreader Or Hand.....	55.05	
Note: 0.10 LB/MSF spread rate.		
For >5 To 20, Deduct	-4.06	
For >20 To 45, Deduct	-8.06	
For >45, Deduct	-13.36	
32 92 19 19-0010 MSF Crown Vetch Mix, Push Spreader Or Hand.....	90.39	
Note: 4 LB/MSF spread rate.		
For >5 To 20, Deduct	-5.83	
For >20 To 45, Deduct	-10.71	
For >45, Deduct	-16.90	
32 92 19 19-0011 MSF Athletic Mix, Push Spreader Or Hand.....	69.49	
Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
For >5 To 20, Deduct	-4.78	
For >20 To 45, Deduct	-9.14	
For >45, Deduct	-14.81	
32 92 19 19-0012 MSF White Clover Mix, Push Spreader Or Hand.....	55.00	
Note: 7 LB/MSF spread rate.		
For >5 To 20, Deduct	-4.06	
For >20 To 45, Deduct	-8.05	
For >45, Deduct	-13.36	
32 92 19 19-0013 MSF Ladino Clover Mix, Push Spreader Or Hand.....	56.90	
Note: 7 LB/MSF spread rate.		
For >5 To 20, Deduct	-4.15	
For >20 To 45, Deduct	-8.20	
For >45, Deduct	-13.55	
32 92 19 19-0014 MSF 100% Kentucky Bluegrass, Push Spreader Or Hand.....	66.40	
Note: 3.3 LB/MSF spread rate.		
For >5 To 20, Deduct	-4.63	
For >20 To 45, Deduct	-8.91	
For >45, Deduct	-14.50	
32 92 19 19-0015 MSF 70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand.....	63.79	
Note: 3.3 LB/MSF spread rate.		
For >5 To 20, Deduct	-4.50	
For >20 To 45, Deduct	-8.71	
For >45, Deduct	-14.24	
32 92 19 19-0016 MSF 50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand.....	61.89	
Note: 3.3 LB/MSF spread rate.		
For >5 To 20, Deduct	-4.40	
For >20 To 45, Deduct	-8.57	
For >45, Deduct	-14.05	
32 92 19 19-0017 MSF 50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand.....	65.69	
Note: 4.4 LB/MSF spread rate.		
For >5 To 20, Deduct	-4.59	
For >20 To 45, Deduct	-8.86	
For >45, Deduct	-14.43	
32 92 19 19-0018 MSF 60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand.....	62.84	
Note: 3.3 LB/MSF spread rate.		
For >5 To 20, Deduct	-4.45	
For >20 To 45, Deduct	-8.64	
For >45, Deduct	-14.14	
32 92 19 19-0019 MSF 40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand.....	63.79	
Note: 3.3 LB/MSF spread rate.		
For >5 To 20, Deduct	-4.50	
For >20 To 45, Deduct	-8.71	
For >45, Deduct	-14.24	

32 Exterior Improvements**32 90 Planting****32 92 Turf And Grasses**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 92 23**Sodding** (32 92)

Note: Includes raking preparation, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering.

32 92 23 00-0001**Bermuda Sod** (32 92 23)

32 92 23 00-0002	MSF	Up To 1,000 SF, Bermuda Sod, Installed On Level Ground	878.17
32 92 23 00-0003	MSF	>1,000 To 4,000 SF, Bermuda Sod, Installed On Level Ground	852.54
32 92 23 00-0004	MSF	>4,000 To 8,000 SF, Bermuda Sod, Installed On Level Ground	797.62
32 92 23 00-0005	MSF	>8,000 SF, Bermuda Sod, Installed On Level Ground	775.65
32 92 23 00-0006	MSF	Up To 1,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,083.22
32 92 23 00-0007	MSF	>1,000 To 4,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,027.30
32 92 23 00-0008	MSF	>4,000 To 8,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	918.19
32 92 23 00-0009	MSF	>8,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	878.17

32 92 23 00-0010**Zoysia Sod** (32 92 23)

32 92 23 00-0011	MSF	Up To 1,000 SF, Zoysia Sod, Installed On Level Ground	845.46
32 92 23 00-0012	MSF	>1,000 To 4,000 SF, Zoysia Sod, Installed On Level Ground	819.83
32 92 23 00-0013	MSF	>4,000 To 8,000 SF, Zoysia Sod, Installed On Level Ground	764.91
32 92 23 00-0014	MSF	>8,000 SF, Zoysia Sod, Installed On Level Ground	742.94
32 92 23 00-0015	MSF	Up To 1,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	1,050.51
32 92 23 00-0016	MSF	>1,000 To 4,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	994.59
32 92 23 00-0017	MSF	>4,000 To 8,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	885.48
32 92 23 00-0018	MSF	>8,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	845.46

32 92 23 00-0019**Tall Fescue Sod** (32 92 23)

32 92 23 00-0020	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground	836.19
		<i>For Hybrid Fescue "Marathon", Add</i>	42.61
32 92 23 00-0021	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground	810.56
		<i>For Hybrid Fescue "Marathon", Add</i>	42.61
32 92 23 00-0022	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground	755.64
		<i>For Hybrid Fescue "Marathon", Add</i>	42.61
32 92 23 00-0023	MSF	>8,000 SF, Tall Fescue Sod, Installed On Level Ground	733.67
		<i>For Hybrid Fescue "Marathon", Add</i>	42.61
32 92 23 00-0024	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,041.24
		<i>For Hybrid Fescue "Marathon", Add</i>	42.61
32 92 23 00-0025	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	985.32
		<i>For Hybrid Fescue "Marathon", Add</i>	42.61
32 92 23 00-0026	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	876.21
		<i>For Hybrid Fescue "Marathon", Add</i>	42.61
32 92 23 00-0027	MSF	>8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	836.19
		<i>For Hybrid Fescue "Marathon", Add</i>	42.61

32 92 23 00-0028**Centipede Sod** (32 92 23)

32 92 23 00-0029	MSF	Up To 1,000 SF, Centipede Sod, Installed On Level Ground	768.05
32 92 23 00-0030	MSF	>1,000 To 4,000 SF, Centipede Sod, Installed On Level Ground	742.42
32 92 23 00-0031	MSF	>4,000 To 8,000 SF, Centipede Sod, Installed On Level Ground	687.50
32 92 23 00-0032	MSF	>8,000 SF, Centipede Sod, Installed On Level Ground	665.53
32 92 23 00-0033	MSF	Up To 1,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	973.10
32 92 23 00-0034	MSF	>1,000 To 4,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	917.18
32 92 23 00-0035	MSF	>4,000 To 8,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	808.07
32 92 23 00-0036	MSF	>8,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	768.05

32 92 23 00-0037**Kentucky Blue Grass Sod** (32 92 23)

32 92 23 00-0038	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	740.75
32 92 23 00-0039	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	715.12
32 92 23 00-0040	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	660.20
32 92 23 00-0041	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	638.23
32 92 23 00-0042	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	945.80
32 92 23 00-0043	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	889.88
32 92 23 00-0044	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	780.77
32 92 23 00-0045	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	740.75

32 93 Plants (32 93)**32 93 13****Ground Covers** (32 93)

Note: Materials only.

32 93 13 00-0001**Ornamental Grasses** (32 93 13)

32 93 13 00-0002	EA	1 Gallon Cortaderia selloana - Pampas Grass	7.04
32 93 13 00-0003	EA	2 Gallon Cortaderia selloana - Pampas Grass	8.58
32 93 13 00-0004	EA	3 Gallon Cortaderia selloana - Pampas Grass	10.12
32 93 13 00-0005	EA	10 Gallon Cortaderia selloana - Pampas Grass	38.87
32 93 13 00-0006	EA	1 Quart Imperata cylindrica - Japanese Blood Grass	4.33
32 93 13 00-0007	EA	1 Gallon Imperata cylindrica - Japanese Blood Grass	6.23
32 93 13 00-0008	EA	2 Gallon Imperata cylindrica - Japanese Blood Grass	8.58



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0009	EA			1 Quart Koeleria glauca - Blue Hair Grass.....	3.08	
32 93 13 00-0010	EA			1 Gallon Koeleria glauca - Blue Hair Grass.....	5.50	
32 93 13 00-0011	EA			3 Gallon Koeleria glauca - Blue Hair Grass.....	10.12	
32 93 13 00-0012	EA			1 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	8.58	
32 93 13 00-0013	EA			3 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	14.81	
32 93 13 00-0014	EA			5 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	19.51	
32 93 13 00-0015	EA			1 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass.....	8.58	
32 93 13 00-0016	EA			3 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass.....	14.81	
32 93 13 00-0017	EA			5 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass.....	19.51	
32 93 13 00-0018	EA			1 Quart Pennisetum setaceum - Fountain Grass.....	3.45	
32 93 13 00-0019	EA			1 Gallon Pennisetum setaceum - Fountain Grass.....	5.50	
32 93 13 00-0020	EA			3 Gallon Pennisetum setaceum - Fountain Grass.....	10.12	
32 93 13 00-0021	EA			1 Gallon Saccharum ravennae - Ravenna Grass.....	7.04	
32 93 13 00-0022	EA			3 Gallon Saccharum ravennae - Ravenna Grass.....	10.12	
32 93 13 00-0023	EA			7 Gallon Saccharum ravennae - Ravenna Grass.....	19.51	
32 93 13 00-0024	EA			1 Gallon Spartina pectinata - Variegated Cord Grass.....	6.23	
32 93 13 00-0025	EA			2 Gallon Spartina pectinata - Variegated Cord Grass.....	10.12	
32 93 13 00-0026	EA			1 Quart Stipa gigantea - Giant Feather Grass.....	7.77	
32 93 13 00-0027	EA			1 Gallon Stipa gigantea - Giant Feather Grass.....	11.73	
32 93 13 00-0028				Ground Covers <small>(32 93 13)</small>		
32 93 13 00-0029	EA			1 Gallon Agave Attenuata - Century Plant.....	6.18	
32 93 13 00-0030	EA			5 Gallon Agave Attenuata - Century Plant.....	16.65	
32 93 13 00-0031	EA			15 Gallon Agave Attenuata - Century Plant.....	55.05	
32 93 13 00-0032	EA			1 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac.....	5.27	
32 93 13 00-0033	EA			5 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac.....	14.66	
32 93 13 00-0034	EA			1 Gallon Ceanothus 'Yankee Point' - Wild Lilac.....	5.27	
32 93 13 00-0035	EA			5 Gallon Ceanothus 'Yankee Point' - Wild Lilac.....	13.70	
32 93 13 00-0036	EA			1 Gallon Dietes Vegata - Fortnight Lily.....	4.62	
32 93 13 00-0037	EA			5 Gallon Dietes Vegata - Fortnight Lily.....	11.39	
32 93 13 00-0038	EA			1 Gallon Juncus Patens 'Elk Blue' - California Gray Rush.....	8.58	
32 93 13 00-0039	EA			5 Gallon Juncus Patens 'Elk Blue' - California Gray Rush.....	22.55	
32 93 13 00-0040	EA			4" Pot Miscanthus 'Morning Light' - NCN.....	6.43	
32 93 13 00-0041	EA			20 Count Flat Miscanthus 'Morning Light' - NCN.....	94.92	
32 93 13 00-0042	EA			1 Gallon Nassella Tenuissima - Mexican Feather Grass.....	8.58	
32 93 13 00-0043	EA			1 Gallon Trachelospermum Jasminoides - Star Jasmine.....	4.67	
32 93 13 00-0044	EA			5 Gallon Trachelospermum Jasminoides - Star Jasmine.....	11.69	
32 93 13 00-0045	EA			1 Gallon Westringia Fruticosa - Coast Rosemary.....	4.62	
32 93 13 00-0046	EA			5 Gallon Westringia Fruticosa - Coast Rosemary.....	11.39	
32 93 13 00-0047	EA			15 Gallon Westringia Fruticosa - Coast Rosemary.....	46.73	
32 93 13 00-0048	EA			1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge.....	7.77	
32 93 13 00-0049	EA			1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge.....	10.12	
32 93 13 00-0050	EA			2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper.....	12.81	
32 93 13 00-0051	EA			1 Quart Waldsteinia ternata - Barren Strawberry.....	2.20	
32 93 13 00-0052	EA			1 Gallon Waldsteinia ternata - Barren Strawberry.....	5.28	
32 93 13 00-0053	EA			1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	7.19	
32 93 13 00-0054	EA			2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	13.64	
32 93 13 00-0055	EA			5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	24.05	
32 93 13 00-0056	EA			1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope.....	2.46	
32 93 13 00-0057	EA			1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine.....	4.55	
32 93 13 00-0058	EA			5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine.....	15.99	
32 93 13 00-0059	EA			1 Gallon Juniperus horizontalis 'Wiltoni' - Blue Rug Juniper.....	5.97	
32 93 13 00-0060	EA			4" Pot Parthenocissus tricuspidata - Boston Ivy.....	3.67	
32 93 13 00-0061	EA			1 Gallon Parthenocissus tricuspidata - Boston Ivy.....	8.36	
32 93 13 00-0062	EA			5 Gallon Parthenocissus tricuspidata - Boston Ivy.....	22.88	
32 93 13 00-0063	EA			3 Gallon Bougainvillea spectabilis - Bougainvillea.....	7.69	
32 93 13 00-0064	EA			1 Quart Iberis sempervirens - Candytuft.....	2.20	
32 93 13 00-0065	EA			1 Gallon Iberis sempervirens - Candytuft.....	5.28	
32 93 13 00-0066	EA			1 Gallon Gelsemium sempervirens - Carolina Jessamine.....	5.28	
32 93 13 00-0067	EA			5 Gallon Gelsemium sempervirens - Carolina Jessamine.....	19.07	
32 93 13 00-0068	EA			3" Pot Ajuga reptans - Carpet Bugle.....	1.32	
32 93 13 00-0069	EA			1 Quart Ajuga reptans - Carpet Bugle.....	2.20	
32 93 13 00-0070	EA			1 Gallon Ajuga reptans - Carpet Bugle.....	5.28	
32 93 13 00-0071	EA			24 Plant Flat Ajuga reptans - Carpet Bugle.....	22.73	
32 93 13 00-0072	EA			1 Gallon Macfadyena unguis-cati - Cat Claw Vine.....	5.28	
32 93 13 00-0073	EA			5 Gallon Macfadyena unguis-cati - Cat Claw Vine.....	22.88	
32 93 13 00-0074	EA			1 Gallon Wisteria sinensis - Chinese Wisteria Vine.....	6.89	
32 93 13 00-0075	EA			3 Gallon Wisteria sinensis - Chinese Wisteria Vine.....	15.25	
32 93 13 00-0076	EA			5 Gallon Wisteria sinensis - Chinese Wisteria Vine.....	22.88	
32 93 13 00-0077	EA			1 Gallon Ranunculaceae - Clematis Varieties.....	7.58	
32 93 13 00-0078	EA			2 Gallon Ranunculaceae - Clematis Varieties.....	14.02	
32 93 13 00-0079	EA			1 Gallon Hydrangea petiolaris - Climbing Hydrangea.....	9.53	
32 93 13 00-0080	EA			2 Gallon Hydrangea petiolaris - Climbing Hydrangea.....	17.89	
32 93 13 00-0081	EA			5 Gallon Hydrangea petiolaris - Climbing Hydrangea.....	29.33	
32 93 13 00-0082	EA			4" Pot Lantana camera - Common Lantana.....	1.32	
32 93 13 00-0083	EA			1 Gallon Lantana camera - Common Lantana.....	3.81	
32 93 13 00-0084	EA			1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia.....	4.55	
32 93 13 00-0085	EA			5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia.....	14.96	
32 93 13 00-0086	EA			2 Quart Lysimachia nummularia - Creeping Jenny.....	2.20	
32 93 13 00-0087	EA			1 Gallon Lysimachia nummularia - Creeping Jenny.....	4.25	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 13 00-0088	EA	2 Quart Liriope spicata - Creeping Lilytuft.....	3.81	
32 93 13 00-0089	EA	1 Gallon Liriope spicata - Creeping Lilytuft.....	6.89	
32 93 13 00-0090	EA	5 Gallon Liriope spicata - Creeping Lilytuft.....	14.52	
32 93 13 00-0091	EA	Bare Root Liriope spicata - Creeping Liriope.....	0.96	
32 93 13 00-0092	EA	3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....	1.32	
32 93 13 00-0093	EA	1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....	5.28	
32 93 13 00-0094	EA	2-1/4" Pot Securigera varia - Crown Vetch.....	0.88	
32 93 13 00-0095	EA	50 Plant Flat Securigera varia - Crown Vetch.....	29.77	
32 93 13 00-0096	EA	1 Quart Senecio cineraria - Dusty Miller.....	2.20	
32 93 13 00-0097	EA	1 Gallon Senecio cineraria - Dusty Miller.....	5.28	
32 93 13 00-0098	EA	2 Gallon Aristolochia macrophylla - Dutchman's Pipe.....	18.33	
32 93 13 00-0099	EA	5 Gallon Aristolochia macrophylla - Dutchman's Pipe.....	33.59	
32 93 13 00-0100	EA	1 Gallon Ilex cornuta - Dwarf Holly.....	3.98	
32 93 13 00-0101	EA	3 Gallon Ilex cornuta - Dwarf Holly.....	8.54	
32 93 13 00-0102	EA	3 Gallon Rhiphiolepis umbellata 'Minor' - Dwarf Indian Hawthorn.....	8.54	
32 93 13 00-0103	EA	1 Gallon Tradescantia spathacea - Dwarf Oyster Plant.....	2.85	
32 93 13 00-0104	EA	2" To 3" Pot Hedera helix - English Ivy.....	1.32	
32 93 13 00-0105	EA	12" To 15" Runners Hedera helix - English Ivy.....	2.20	
32 93 13 00-0106	EA	1 Gallon Hedera helix - English Ivy.....	5.28	
32 93 13 00-0107	EA	50 Plant Flat Hedera helix - English Ivy.....	30.51	
32 93 13 00-0108	EA	4" Pot Lavandula angustifolia - English Lavender.....	1.91	
32 93 13 00-0109	EA	1 Quart Lavandula angustifolia - English Lavender.....	3.67	
32 93 13 00-0110	EA	1 Gallon Lavandula angustifolia - English Lavender.....	6.01	
32 93 13 00-0111	EA	1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper.....	5.72	
32 93 13 00-0112	EA	2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper.....	11.44	
32 93 13 00-0113	EA	1 Quart Arundo donax - Giant Reed.....	7.04	
32 93 13 00-0114	EA	1 Gallon Arundo donax - Giant Reed.....	10.12	
32 93 13 00-0115	EA	1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....	6.01	
32 93 13 00-0116	EA	2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....	11.44	
32 93 13 00-0117	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass.....	7.77	
32 93 13 00-0118	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass.....	11.73	
32 93 13 00-0119	EA	3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	1.32	
32 93 13 00-0120	EA	1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	6.01	
32 93 13 00-0121	EA	2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	11.44	
32 93 13 00-0122	EA	1 Gallon Hardenbergia violacea - Happy Wanderer.....	5.28	
32 93 13 00-0123	EA	5 Gallon Hardenbergia violacea - Happy Wanderer.....	17.60	
32 93 13 00-0124	EA	3 Gallon Hibiscus, Assorted Colors.....	6.88	
32 93 13 00-0125	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag.....	5.50	
32 93 13 00-0126	EA	1 Gallon Jasminum volubile - Wax Jasmine.....	2.77	
32 93 13 00-0127	EA	1 Gallon Jasminum volubile - Wax Jasmine.....	6.88	
32 93 13 00-0128	EA	1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper.....	3.45	
32 93 13 00-0129	EA	3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper.....	7.69	
32 93 13 00-0130	EA	1 Gallon Cissus antarctica - Kangaroo Vine.....	4.25	
32 93 13 00-0131	EA	5 Gallon Cissus antarctica - Kangaroo Vine.....	13.35	
32 93 13 00-0132	EA	1 Quart Stachys byzantina - Lamb's Ear.....	2.20	
32 93 13 00-0133	EA	1 Quart Stachys byzantina - Lamb's Ear.....	5.28	
32 93 13 00-0134	EA	1 Gallon Lantana spp. Various Colors.....	3.11	
32 93 13 00-0135	EA	1 Gallon Lantana sellowiana - Trailing Lantana.....	2.05	
32 93 13 00-0136	EA	1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....	4.25	
32 93 13 00-0137	EA	5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....	15.25	
32 93 13 00-0138	EA	1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	3.11	
32 93 13 00-0139	EA	1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	3.93	
32 93 13 00-0140	EA	3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	6.28	
32 93 13 00-0141	EA	1 Quart Moss Phlox, Creeping Phlox.....	2.20	
32 93 13 00-0142	EA	1 Gallon Moss Phlox, Creeping Phlox.....	5.28	
32 93 13 00-0143	EA	1 Gallon Nephrolepis exaltata - Common Boston Fern.....	2.77	
32 93 13 00-0144	EA	4" Pot Ophiopogon Japonicus - Mondo grass.....	1.32	
32 93 13 00-0145	EA	1 Gallon Ophiopogon Japonicus - Mondo grass.....	5.28	
32 93 13 00-0146	EA	5 Gallon Ophiopogon Japonicus - Mondo grass.....	12.17	
32 93 13 00-0147	EA	2' To 3' High Oregon Holly-Grape.....	6.09	
32 93 13 00-0148	EA	1 Gallon Pachysandra terminalis - Pachysandra.....	7.94	
32 93 13 00-0149	EA	2-1/4" Pot Vinca minor - Periwinkle.....	0.73	
32 93 13 00-0150	EA	4" Pot Vinca minor - Periwinkle.....	2.20	
32 93 13 00-0151	EA	Bare Root Vinca minor - Periwinkle.....	0.73	
32 93 13 00-0152	EA	1 Quart Nepeta mussinii - Persian Catmint.....	2.20	
32 93 13 00-0153	EA	1 Gallon Nepeta mussinii - Persian Catmint.....	4.55	
32 93 13 00-0154	EA	1 Gallon Coprosma kirkii - Prostrate Coprosma.....	3.67	
32 93 13 00-0155	EA	5 Gallon Coprosma kirkii - Prostrate Coprosma.....	13.35	
32 93 13 00-0156	EA	1 Gallon Juniperus Horizontalis - Prostrate Juniper.....	6.01	
32 93 13 00-0157	EA	3 Gallon Juniperus Horizontalis - Prostrate Juniper.....	12.91	
32 93 13 00-0158	EA	5 Gallon Juniperus Horizontalis - Prostrate Juniper.....	19.07	
32 93 13 00-0159	EA	1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	5.24	
32 93 13 00-0160	EA	1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	13.57	
32 93 13 00-0161	EA	24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	22.73	
32 93 13 00-0162	EA	1 Gallon Tradescantia spathacea - Rhoeco Discolor "Dwarf".....	2.77	
32 93 13 00-0163	EA	1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	3.08	
32 93 13 00-0164	EA	1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	5.50	
32 93 13 00-0165	EA	2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	8.58	
32 93 13 00-0166	EA	1 Gallon Hymenocallis latifolia - Spider Lily.....	3.41	
32 93 13 00-0167	EA	3 Gallon Hymenocallis latifolia - Spider Lily.....	9.10	
32 93 13 00-0168	EA	1 Quart Hypericum perforatum - St. John's Wort.....	2.20	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0169	EA	1	Gallon Hypericum perforatum - St. John's Wort.....	5.28	
32 93 13 00-0170	EA	5	Gallon Hypericum perforatum - St. John's Wort.....	13.64	
32 93 13 00-0171	EA	24"	To 30" High Viburnum awabuki - Sweet Viburnum.....	18.56	
32 93 13 00-0172	EA	1	Gallon Campsis radicans - Trumpet Creeper.....	8.07	
32 93 13 00-0173	EA	2	Gallon Campsis radicans - Trumpet Creeper.....	12.17	
32 93 13 00-0174	EA	5	Gallon Campsis radicans - Trumpet Creeper.....	29.33	
32 93 13 00-0175	EA	2-1/4"	Pot Vinca major - Variegated Greater Periwinkle.....	0.73	
32 93 13 00-0176	EA	4"	Pot Vinca major - Variegated Greater Periwinkle.....	2.20	
32 93 13 00-0177	EA		Bare Root Vinca major - Variegated Greater Periwinkle.....	0.73	
32 93 13 00-0178	EA	1	Quart Carex hachijoensis - Variegated Japanese Sedge.....	3.96	
32 93 13 00-0179	EA	1	Gallon Carex hachijoensis - Variegated Japanese Sedge.....	5.50	
32 93 13 00-0180	EA	2	Gallon Carex hachijoensis - Variegated Japanese Sedge.....	8.58	
32 93 13 00-0181	EA	1	Gallon Liriope muscari 'Variegata' - Variegated Lilyturf.....	6.01	
32 93 13 00-0182	EA	2	Quart Verbena peruviana "St. Paul" - St. Paul Verbena.....	2.79	
32 93 13 00-0183	EA	1	Gallon Verbena peruviana "St. Paul" - St. Paul Verbena.....	4.25	
32 93 13 00-0184	EA	48	Plant Flat Vinca minor - Lesser Periwinkle.....	26.14	
32 93 13 00-0185	EA	3"	Pot Parthenocissus quinquefolia - Virginia Creeper.....	1.32	
32 93 13 00-0186	EA	1	Gallon Parthenocissus quinquefolia - Virginia Creeper.....	6.89	
32 93 13 00-0187	EA	1	Gallon Jasminum polyanthum - Winter Jasmine.....	5.28	
32 93 13 00-0188	EA	2	Gallon Jasminum polyanthum - Winter Jasmine.....	10.56	
32 93 13 00-0189	EA	5	Gallon Jasminum polyanthum - Winter Jasmine.....	18.33	
32 93 13 00-0190	EA	1	Gallon Cistaceae - Wrinkleleaf Rock Rose.....	4.25	
32 93 13 00-0191	EA	5	Gallon Cistaceae - Wrinkleleaf Rock Rose.....	14.52	
32 93 13 00-0192	EA	1	Gallon Acnison galaber - Common Deerweed.....	7.52	
32 93 13 00-0193	EA	1	Gallon Acacia redolens - Bank Catclaw.....	3.12	
32 93 13 00-0194	EA	5	Gallon Acacia redolens - Bank Catclaw.....	9.67	
32 93 13 00-0195	EA	15	Gallon Acacia redolens - Bank Catclaw.....	37.60	
32 93 13 00-0196	EA	1	Gallon Achillea filipendulina - Fernleaf Yarrow.....	4.62	
32 93 13 00-0197	EA	1	Gallon Achillea millefolium - Common Yarrow.....	4.19	
32 93 13 00-0198	EA	5	Gallon Achillea millefolium - Common Yarrow.....	12.89	
32 93 13 00-0199	EA	1	Gallon Achillea millefolium 'Paprika' - Red Yarrow.....	4.62	
32 93 13 00-0200	EA	1	Gallon Achillea 'Moonshine' - Yellow yarrow.....	4.62	
32 93 13 00-0201	EA	1	Gallon Agave americana - Century Plant.....	6.34	
32 93 13 00-0202	EA	5	Gallon Agave americana - Century Plant.....	17.19	
32 93 13 00-0203	EA	15	Gallon Agave americana - Century Plant.....	52.64	
32 93 13 00-0204	EA	24"	Box Agave americana - Century Plant.....	187.98	
32 93 13 00-0205	EA	1	Gallon Agave vilmoriniana - Octopus Agave.....	6.34	
32 93 13 00-0206	EA	5	Gallon Agave vilmoriniana - Octopus Agave.....	17.19	
32 93 13 00-0207	EA	15	Gallon Agave vilmoriniana - Octopus Agave.....	52.64	
32 93 13 00-0208	EA	24"	Box Agave vilmoriniana - Octopus Agave.....	187.98	
32 93 13 00-0209	EA	5	Gallon Nolina parryi - Giant Nolina.....	17.19	

32 93 23 Plants And Bulbs (32 93)

Note: Materials only.

32 93 23 00-0001 Perennials (32 93 23)

32 93 23 00-0002	EA	2	Quart Assorted Daylilies.....	4.25	
32 93 23 00-0003	EA	1	Gallon Assorted Daylilies.....	6.01	
32 93 23 00-0004	EA	2	Gallon Assorted Daylilies.....	9.97	
32 93 23 00-0005	EA	1	Quart Azure Penstemon.....	2.20	
32 93 23 00-0006	EA	1	Gallon Azure Penstemon.....	5.50	
32 93 23 00-0007	EA	1	Quart Balloon Flower.....	2.20	
32 93 23 00-0008	EA	1	Gallon Balloon Flower.....	5.50	
32 93 23 00-0009	EA	1	Quart Black-eyed Susan.....	2.20	
32 93 23 00-0010	EA	1	Gallon Black-eyed Susan.....	5.50	
32 93 23 00-0011	EA	2	Gallon Black-eyed Susan.....	7.11	
32 93 23 00-0012	EA	1	Quart Blackberry Lily.....	2.20	
32 93 23 00-0013	EA	1	Gallon Blackberry Lily.....	5.50	
32 93 23 00-0014	EA	1	Quart Blank Flower.....	2.20	
32 93 23 00-0015	EA	1	Gallon Blank Flower.....	5.06	
32 93 23 00-0016	EA	2	Gallon Blank Flower.....	7.11	
32 93 23 00-0017	EA	1	Quart Blazing Star, Gayfeather.....	2.20	
32 93 23 00-0018	EA	1	Gallon Blazing Star, Gayfeather.....	5.50	
32 93 23 00-0019	EA	1	Quart Bloodred Geranium.....	3.74	
32 93 23 00-0020	EA	1	Gallon Bloodred Geranium.....	6.31	
32 93 23 00-0021	EA	1	Quart Blue Plumbago.....	2.20	
32 93 23 00-0022	EA	1	Gallon Blue Plumbago.....	5.50	
32 93 23 00-0023	EA	1	Quart Blue Star.....	3.96	
32 93 23 00-0024	EA	1	Gallon Blue Star.....	6.31	
32 93 23 00-0025	EA	1	Quart Cardinal Flower.....	2.20	
32 93 23 00-0026	EA	1	Gallon Cardinal Flower.....	5.50	
32 93 23 00-0027	EA	4"	Pot Columbine.....	1.32	
32 93 23 00-0028	EA	1	Quart Columbine.....	2.20	
32 93 23 00-0029	EA	1	Gallon Columbine.....	5.50	
32 93 23 00-0030	EA	1	Quart Common Globeflower.....	2.20	
32 93 23 00-0031	EA	1	Gallon Common Globeflower.....	5.50	
32 93 23 00-0032	EA	1	Quart Cottage Pink, Scotch Pink.....	2.20	
32 93 23 00-0033	EA	1	Quart Cottage Pink, Scotch Pink.....	5.50	
32 93 23 00-0034	EA	1	Gallon Astilbe 'Deutschland'.....	7.92	
32 93 23 00-0035	EA	1	Quart Diploid.....	2.79	
32 93 23 00-0036	EA	1	Gallon Diploid.....	6.31	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 23 00-0037	EA	3 Gallon Diploid.....	10.85	
32 93 23 00-0038	EA	4" Pot Dune Sunflower.....	3.14	
32 93 23 00-0039	EA	1 Quart Evans Begonia.....	3.96	
32 93 23 00-0040	EA	1 Gallon Evans Begonia.....	7.11	
32 93 23 00-0041	EA	1 Quart False Dragonhead.....	2.20	
32 93 23 00-0042	EA	1 Gallon False Dragonhead.....	5.50	
32 93 23 00-0043	EA	1 Quart False Spirea.....	2.20	
32 93 23 00-0044	EA	1 Gallon False Spirea.....	7.11	
32 93 23 00-0045	EA	3 Gallon False Spirea.....	9.83	
32 93 23 00-0046	EA	2 Quart False Sunflower.....	3.52	
32 93 23 00-0047	EA	1 Gallon False Sunflower.....	5.50	
32 93 23 00-0048	EA	2 Gallon False Sunflower.....	7.11	
32 93 23 00-0049	EA	1 Gallon Foxglove.....	5.06	
32 93 23 00-0050	EA	2 Gallon Foxglove.....	7.11	
32 93 23 00-0051	EA	3 Gallon Foxglove.....	10.27	
32 93 23 00-0052	EA	1 Gallon Francee Hostas.....	8.91	
32 93 23 00-0053	EA	1 Quart Garden Phlox.....	2.20	
32 93 23 00-0054	EA	1 Gallon Garden Phlox.....	5.50	
32 93 23 00-0055	EA	2 Quart Golden Groundsel.....	4.69	
32 93 23 00-0056	EA	2 Gallon Golden Groundsel.....	9.46	
32 93 23 00-0057	EA	1 Quart Golden Star.....	2.20	
32 93 23 00-0058	EA	1 Gallon Golden Star.....	5.50	
32 93 23 00-0059	EA	1 Quart Goldenrod.....	2.20	
32 93 23 00-0060	EA	1 Gallon Goldenrod.....	5.50	
32 93 23 00-0061	EA	1 Gallon Happy Returns Daylilies.....	10.24	
32 93 23 00-0062	EA	4" Pot Hardy Aster, Michaelmas Daisy.....	1.32	
32 93 23 00-0063	EA	1 Quart Hardy Aster, Michaelmas Daisy.....	2.20	
32 93 23 00-0064	EA	1 Gallon Hardy Aster, Michaelmas Daisy.....	5.50	
32 93 23 00-0065	EA	1 Quart Hardy Chrysanthemum.....	1.91	
32 93 23 00-0066	EA	6" To 8" Pot Hardy Chrysanthemum.....	3.15	
32 93 23 00-0067	EA	1 Gallon Hardy Chrysanthemum.....	5.06	
32 93 23 00-0068	EA	1 Gallon Herbaceous Peony.....	7.85	
32 93 23 00-0069	EA	2 Gallon Herbaceous Peony.....	12.54	
32 93 23 00-0070	EA	3 Gallon Herbaceous Peony.....	16.50	
32 93 23 00-0071	EA	4" Pot Japanese Anemone.....	1.32	
32 93 23 00-0072	EA	1 Quart Japanese Anemone.....	3.96	
32 93 23 00-0073	EA	2 Gallon Japanese Anemone.....	7.11	
32 93 23 00-0074	EA	2" Pot Japanese Spurge.....	0.78	
32 93 23 00-0075	EA	6" Pot Japanese Spurge.....	1.17	
32 93 23 00-0076	EA	1 Gallon Japanese Spurge.....	5.05	
32 93 23 00-0077	EA	1 Quart Oriental Poppy.....	3.15	
32 93 23 00-0078	EA	1 Gallon Oriental Poppy.....	6.31	
32 93 23 00-0079	EA	48 Plant Flat Pachysandra terminalis.....	26.14	
32 93 23 00-0080	EA	1 Gallon Pacific Coast Iris.....	4.33	
32 93 23 00-0081	EA	3 Gallon Pacific Coast Iris.....	8.21	
32 93 23 00-0082	EA	1 Gallon Palace Purple Coral Bells.....	8.33	
32 93 23 00-0083	EA	4" Pot Perennial Salvia.....	1.32	
32 93 23 00-0084	EA	1 Quart Perennial Salvia.....	2.20	
32 93 23 00-0085	EA	1 Gallon Perennial Salvia.....	5.50	
32 93 23 00-0086	EA	1 Quart Pincushion Flower.....	2.20	
32 93 23 00-0087	EA	1 Gallon Pincushion Flower.....	5.50	
32 93 23 00-0088	EA	2 Quart Plantain Lily.....	4.25	
32 93 23 00-0089	EA	1 Gallon Plantain Lily.....	6.01	
32 93 23 00-0090	EA	2 Gallon Plantain Lily.....	9.97	
32 93 23 00-0091	EA	3 Gallon Plantain Lily.....	18.85	
32 93 23 00-0092	EA	2 Quart Purple Coneflower.....	3.96	
32 93 23 00-0093	EA	1 Gallon Purple Coneflower.....	5.50	
32 93 23 00-0094	EA	2 Gallon Purple Coneflower.....	7.11	
32 93 23 00-0095	EA	1 Quart Purple Loosestrife.....	2.20	
32 93 23 00-0096	EA	1 Gallon Purple Loosestrife.....	5.50	
32 93 23 00-0097	EA	1 Quart Rose Mallow.....	4.33	
32 93 23 00-0098	EA	2 Gallon Rose Mallow.....	7.85	
32 93 23 00-0099	EA	3 Gallon Rose Mallow.....	13.42	
32 93 23 00-0100	EA	1 Gallon Autumn Joy Sedum.....	8.39	
32 93 23 00-0101	EA	1 Quart Siberian Iris.....	3.74	
32 93 23 00-0102	EA	2 Gallon Siberian Iris.....	7.11	
32 93 23 00-0103	EA	3 Gallon Siberian Iris.....	9.83	
32 93 23 00-0104	EA	1 Quart Speedwell.....	2.20	
32 93 23 00-0105	EA	1 Gallon Speedwell.....	5.50	
32 93 23 00-0106	EA	1 Quart Tetraploid.....	5.50	
32 93 23 00-0107	EA	1 Gallon Tetraploid.....	10.27	
32 93 23 00-0108	EA	3 Gallon Tetraploid.....	14.01	
32 93 23 00-0109	EA	1 Quart Threadleaf Coreopsis.....	2.20	
32 93 23 00-0110	EA	1 Gallon Threadleaf Coreopsis.....	5.50	
32 93 23 00-0111	EA	1 Quart Torch Lily.....	2.20	
32 93 23 00-0112	EA	1 Quart Bluebeard.....	3.96	
32 93 23 00-0113	EA	1 Gallon Bluebeard.....	5.87	
32 93 23 00-0114	EA	2 Gallon Bluebeard.....	8.58	

32 93 23 00-0115 Annuals (32 93 23)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0116	EA		2-1/2" Pot Annual Flowers	1.02	
32 93 23 00-0117	EA		3" Pot Annual Flowers	1.38	
32 93 23 00-0118	EA		4" Pot Annual Flowers	2.95	
32 93 23 00-0119	EA		5-1/2" Pot Annual Flowers	3.92	
32 93 23 00-0120	EA		6" Pot Annual Flowers	7.77	
32 93 23 00-0121	EA		8" Pot Annual Flowers	12.95	
32 93 23 00-0122	EA		36 Plant Flat Annual Flowers.....	16.96	
32 93 23 00-0123	EA		48 Plant Flat Annual Flowers.....	19.23	

32 93 23 00-0124

Bulbs (32 93 23)

32 93 23 00-0125	EA		Top Size Allium giganteum - Giant Ornamental Onion	3.55	
32 93 23 00-0126	EA		Top Size Allium sphaerocephalum - Drumstick Ornamental Onion	0.20	
32 93 23 00-0127	EA		Top Size Crocus Hybrid	0.23	
32 93 23 00-0128	EA		Top Size Eranthis hyemalis - Winter Aconite	0.30	
32 93 23 00-0129	EA		Top Size Galanthus nivalis - Snowdrops	0.38	
32 93 23 00-0130	EA		Top Size Iris reticulata cvs - Dutch Iris.....	0.15	
32 93 23 00-0131	EA		Top Size Muscari armeniacum - Grape Hyacinth	0.18	
32 93 23 00-0132	EA		Top Size Muscari latifolium - Grape Hyacinth.....	0.20	
32 93 23 00-0133	EA		Narcissus 'Carlton' - Carlton Daffodil DNI	1.23	
32 93 23 00-0134	EA		Narcissus 'Dutch Master' - Dutch Master Daffodil DNI	0.59	
32 93 23 00-0135	EA		Narcissus 'February Gold' - February Gold Daffodil DNI	0.61	
32 93 23 00-0136	EA		Narcissus 'Ice Follies' - Ice Follies Daffodil DNI	0.61	
32 93 23 00-0137	EA		Narcissus 'Mount Hood' - Mount Hood Daffodil DNI	0.64	
32 93 23 00-0138	EA		Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI	0.68	
32 93 23 00-0139	EA		Narcissus 'Pipit' - Pipit Daffodil DNI	0.64	
32 93 23 00-0140	EA		Narcissus 'Salome' - Salome Daffodil DNI	0.60	
32 93 23 00-0141	EA		Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI	0.64	
32 93 23 00-0142	EA		Narcissus 'Thalia' - Thalia Daffodil DNI.....	0.64	
32 93 23 00-0143	EA		Top Size Scilla siberica - Siberian Squill.....	0.19	
32 93 23 00-0144	EA		Top Size Tulip 'Angelique' - Angelique Tulip.....	0.55	
32 93 23 00-0145	EA		Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip.....	0.41	
32 93 23 00-0146	EA		Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip	0.55	
32 93 23 00-0147	EA		Top Size Tulip 'Big Smile' - Big Smile Tulip	0.48	
32 93 23 00-0148	EA		Top Size Tulip 'Black Parrot' - Black Parrot Tulip.....	0.68	
32 93 23 00-0149	EA		Top Size Tulip 'Blue Heron' - Blue Heron Tulip.....	0.52	
32 93 23 00-0150	EA		Top Size Tulip 'Cardinal' - Cardinal Tulip.....	0.45	
32 93 23 00-0151	EA		Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip.....	0.51	
32 93 23 00-0152	EA		Top Size Tulip clusiana - Species Tulip	0.51	
32 93 23 00-0153	EA		Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip	0.51	
32 93 23 00-0154	EA		Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip	0.41	
32 93 23 00-0155	EA		Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip	0.40	
32 93 23 00-0156	EA		Top Size Tulip 'Halcro' - Halcro Tulip.....	0.41	
32 93 23 00-0157	EA		Top Size Tulip 'Ivory Floridale' - Ivory FloradaleTulip	0.68	
32 93 23 00-0158	EA		Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip	0.41	
32 93 23 00-0159	EA		Top Size Tulip 'Passionale' - Passionale Tulip.....	0.55	
32 93 23 00-0160	EA		Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip.....	0.59	
32 93 23 00-0161	EA		Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip	0.61	
32 93 23 00-0162	EA		Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip	0.49	
32 93 23 00-0163	EA		Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip	0.46	
32 93 23 00-0164	EA		Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip	0.51	
32 93 23 00-0165	EA		Top Size Tulip 'Princesps' - Princesps Tulip	0.51	
32 93 23 00-0166	EA		Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip	0.40	
32 93 23 00-0167	EA		Top Size Tulip saxatilis - Species Tulip	0.27	
32 93 23 00-0168	EA		Top Size Tulip 'Shirley' - Shirley Tulip	0.41	
32 93 23 00-0169	EA		Top Size Tulip 'Spring Green' - Spring Green Tulip	0.53	
32 93 23 00-0170	EA		Top Size Tulip 'White Emperor' - White Emperor Tulip	0.41	

32 93 33

Shrubs (32 93)

Note: (cvs = cultivar) materials only.

32 93 33 00-0001

Shrubs (32 93 33)

32 93 33 00-0002	EA		1 Gallon Abelia x grandiflora - Abelia.....	3.30	
32 93 33 00-0003	EA		3 Gallon Abelia x grandiflora - Abelia.....	6.72	
32 93 33 00-0004	EA		5 Gallon Abelia x grandiflora - Abelia.....	12.90	
32 93 33 00-0005	EA		3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	85.85	
32 93 33 00-0006	EA		18" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	125.47	
32 93 33 00-0007	EA		24" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	139.99	
32 93 33 00-0008	EA		30" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	176.97	
32 93 33 00-0009	EA		36" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	196.78	
32 93 33 00-0010	EA		18" B&B Aesculus parviflora - Bottlebrush Buckeye	39.62	
32 93 33 00-0011	EA		24" B&B Aesculus parviflora - Bottlebrush Buckeye	52.83	
32 93 33 00-0012	EA		30" B&B Aesculus parviflora - Bottlebrush Buckeye	66.03	
32 93 33 00-0013	EA		36" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	22.45	
32 93 33 00-0014	EA		42" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	26.41	
32 93 33 00-0015	EA		48" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	31.70	
32 93 33 00-0016	EA		60" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	36.98	
32 93 33 00-0017	EA		72" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	44.90	
32 93 33 00-0018	EA		36" B&B Aronia melanocarpa & cvs - Black Chokeberry	21.79	
32 93 33 00-0019	EA		42" B&B Aronia melanocarpa & cvs - Black Chokeberry	23.11	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0020	EA	48" B&B Aronia melanocarpa & cvs - Black Chokeberry	24.43
32 93 33 00-0021	EA	60" B&B Aronia melanocarpa & cvs - Black Chokeberry	27.73
32 93 33 00-0022	EA	36" B&B Aronia prunifolia - Purple-Fruited Chokeberry	22.12
32 93 33 00-0023	EA	42" B&B Aronia prunifolia - Purple-Fruited Chokeberry	23.44
32 93 33 00-0024	EA	48" B&B Aronia prunifolia - Purple-Fruited Chokeberry	24.76
32 93 33 00-0025	EA	60" B&B Aronia prunifolia - Purple-Fruited Chokeberry	26.08
32 93 33 00-0026	EA	1 Gallon Aspidistra elatior - Cast Iron Plant	4.54
32 93 33 00-0027	EA	2 Gallon Aspidistra elatior - Cast Iron Plant	10.50
32 93 33 00-0028	EA	1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	5.32
32 93 33 00-0029	EA	3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	11.71
32 93 33 00-0030	EA	5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	15.82
32 93 33 00-0031	EA	1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	5.68
32 93 33 00-0032	EA	2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	8.30
32 93 33 00-0033	EA	15" To 18" Berberis - Northern Bayberry	23.69
32 93 33 00-0034	EA	2' To 2-1/2' Berberis - Northern Bayberry	30.08
32 93 33 00-0035	EA	2-1/2' To 3' Berberis - Northern Bayberry	42.14
32 93 33 00-0036	EA	18" To 24" Berberis julianae - Dwarf Wintergreen Barberry	25.33
32 93 33 00-0037	EA	2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry	32.42
32 93 33 00-0038	EA	2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry	41.43
32 93 33 00-0039	EA	1 Gallon Berberis thunbergii - Crimson Pygmy Barberry	6.81
32 93 33 00-0040	EA	2 Gallon Berberis thunbergii - Crimson Pygmy Barberry	13.41
32 93 33 00-0041	EA	3 Gallon Berberis thunbergii - Crimson Pygmy Barberry	16.39
32 93 33 00-0042	EA	1 Gallon Berberis x mentorensis - Mentor Barberry	6.46
32 93 33 00-0043	EA	5 Gallon Berberis x mentorensis - Mentor Barberry	18.23
32 93 33 00-0044	EA	2' To 3' Berberis x mentorensis - Mentor Barberry	25.33
32 93 33 00-0045	EA	3' To 4' Berberis x mentorensis - Mentor Barberry	39.09
32 93 33 00-0046	EA	1 Gallon Buxus microphylla japonica - Japanese Boxwood	7.38
32 93 33 00-0047	EA	5 Gallon Buxus microphylla japonica - Japanese Boxwood	19.79
32 93 33 00-0048	EA	12" To 15" Buxus microphylla japonica - Japanese Boxwood	21.07
32 93 33 00-0049	EA	15" To 18" Buxus microphylla japonica - Japanese Boxwood	27.10
32 93 33 00-0050	EA	18" To 24" Buxus microphylla japonica - Japanese Boxwood	36.11
32 93 33 00-0051	EA	24" To 30" Buxus microphylla japonica - Japanese Boxwood	54.20
32 93 33 00-0052	EA	30" To 36" Buxus microphylla japonica - Japanese Boxwood	75.27
32 93 33 00-0053	EA	12" To 15" Buxus sempervirens - Common Boxwood	21.07
32 93 33 00-0054	EA	15" To 18" Buxus sempervirens - Common Boxwood	27.10
32 93 33 00-0055	EA	18" To 24" Buxus sempervirens - Common Boxwood	36.11
32 93 33 00-0056	EA	24" To 30" Buxus sempervirens - Common Boxwood	54.20
32 93 33 00-0057	EA	2 Gallon Buxus Hybrid - Boxwood Cultivars	13.87
32 93 33 00-0058	EA	5 Gallon Buxus Hybrid - Boxwood Cultivars	23.11
32 93 33 00-0059	EA	5 Gallon Buxus microphylla & cvs - Little leaf Boxwood	60.75
32 93 33 00-0060	EA	18" B&B Buxus microphylla & cvs - Little leaf Boxwood	33.02
32 93 33 00-0061	EA	24" B&B Buxus microphylla & cvs - Little leaf Boxwood	44.90
32 93 33 00-0062	EA	30" B&B Buxus microphylla & cvs - Little leaf Boxwood	60.75
32 93 33 00-0063	EA	1 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush	4.19
32 93 33 00-0064	EA	5 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush	12.89
32 93 33 00-0065	EA	15 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush	41.89
32 93 33 00-0066	EA	5 Gallon Calycanthus floridus - Common Sweetshrub	21.79
32 93 33 00-0067	EA	30" B&B Calycanthus floridus - Common Sweetshrub	19.81
32 93 33 00-0068	EA	36" B&B Calycanthus floridus - Common Sweetshrub	26.41
32 93 33 00-0069	EA	1 Gallon Camellia "Sasanqua" - Camellia	5.32
32 93 33 00-0070	EA	3 Gallon Camellia "Sasanqua" - Camellia	11.35
32 93 33 00-0071	EA	5 Gallon Camellia "Sasanqua" - Camellia	18.87
32 93 33 00-0072	EA	7 Gallon Camellia "Sasanqua" - Camellia	28.10
32 93 33 00-0073	EA	15 Gallon Camellia "Sasanqua" - Camellia	72.90
32 93 33 00-0074	EA	1 Gallon Camellia japonica - Camellia	5.32
32 93 33 00-0075	EA	3 Gallon Camellia japonica - Camellia	11.35
32 93 33 00-0076	EA	5 Gallon Camellia japonica - Camellia	18.87
32 93 33 00-0077	EA	5 Gallon Ceanothus americanus - New Jersey Tea	21.79
32 93 33 00-0078	EA	5 Gallon Celastrus scandens - Bittersweet	21.79
32 93 33 00-0079	EA	36" B&B Celastrus scandens - Bittersweet	18.49
32 93 33 00-0080	EA	5 Gallon Cephalanthus occidentalis - Buttonbush	21.79
32 93 33 00-0081	EA	24" B&B Cephalanthus occidentalis - Buttonbush	16.51
32 93 33 00-0082	EA	30" B&B Cephalanthus occidentalis - Buttonbush	18.49
32 93 33 00-0083	EA	36" B&B Cephalanthus occidentalis - Buttonbush	19.81
32 93 33 00-0084	EA	18" To 24" Chaenomeles speciosa - Flowering Quince	19.01
32 93 33 00-0085	EA	2' To 3' Chaenomeles speciosa - Flowering Quince	25.33
32 93 33 00-0086	EA	3' To 4' Chaenomeles speciosa - Flowering Quince	39.09
32 93 33 00-0087	EA	3 Gallon Clethra alnifolia & cvs - Summersweet Clethra	21.13
32 93 33 00-0088	EA	18" B&B Clethra alnifolia & cvs - Summersweet Clethra	22.78
32 93 33 00-0089	EA	24" B&B Clethra alnifolia & cvs - Summersweet Clethra	25.42
32 93 33 00-0090	EA	30" B&B Clethra alnifolia & cvs - Summersweet Clethra	26.74
32 93 33 00-0091	EA	36" B&B Clethra alnifolia & cvs - Summersweet Clethra	31.37
32 93 33 00-0092	EA	2' To 3' Cornus mas - Cornelian Cherry	30.08
32 93 33 00-0093	EA	3' To 4' Cornus mas - Cornelian Cherry	37.60
32 93 33 00-0094	EA	4' To 5' Cornus mas - Cornelian Cherry	48.17
32 93 33 00-0095	EA	5' To 6' Cornus mas - Cornelian Cherry	66.19
32 93 33 00-0096	EA	5 Gallon Cornus alba & cvs - Tartarian Dogwood	19.81
32 93 33 00-0097	EA	36" B&B Cornus alba & cvs - Tartarian Dogwood	13.87
32 93 33 00-0098	EA	48" B&B Cornus alba & cvs - Tartarian Dogwood	15.85
32 93 33 00-0099	EA	60" B&B Cornus alba & cvs - Tartarian Dogwood	19.81
32 93 33 00-0100	EA	72" B&B Cornus alba & cvs - Tartarian Dogwood	23.77



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0101	EA		36" B&B Cornus amomum - Silky Dogwood.....	19.81	
32 93 33 00-0102	EA		5 Gallon Cornus obliqua - Blue Fruited Dogwood.....	21.79	
32 93 33 00-0103	EA		5 Gallon Cornus racemosa - Gray Dogwood.....	21.79	
32 93 33 00-0104	EA		36" B&B Cornus racemosa - Gray Dogwood.....	19.81	
32 93 33 00-0105	EA		48" B&B Cornus racemosa - Gray Dogwood.....	23.11	
32 93 33 00-0106	EA		60" B&B Cornus racemosa - Gray Dogwood.....	25.09	
32 93 33 00-0107	EA		72" B&B Cornus racemosa - Gray Dogwood.....	30.38	
32 93 33 00-0108	EA		36" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood.....	21.46	
32 93 33 00-0109	EA		48" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood.....	24.10	
32 93 33 00-0110	EA		60" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood.....	27.40	
32 93 33 00-0111	EA		24" B&B Cornus sericea & cvs - Redosier Dogwood.....	17.17	
32 93 33 00-0112	EA		30" B&B Cornus sericea & cvs - Redosier Dogwood.....	19.81	
32 93 33 00-0113	EA		36" B&B Cornus sericea & cvs - Redosier Dogwood.....	21.13	
32 93 33 00-0114	EA		48" B&B Cornus sericea & cvs - Redosier Dogwood.....	23.11	
32 93 33 00-0115	EA		60" B&B Cornus sericea & cvs - Redosier Dogwood.....	25.75	
32 93 33 00-0116	EA		5 Gallon Corylus americana - American Filbert.....	20.47	
32 93 33 00-0117	EA		30" B&B Corylus americana - American Filbert.....	23.11	
32 93 33 00-0118	EA		36" B&B Corylus americana - American Filbert.....	24.76	
32 93 33 00-0119	EA		48" B&B Corylus americana - American Filbert.....	26.74	
32 93 33 00-0120	EA		24" B&B Corylus avellana - Contorted Hazelnut.....	66.03	
32 93 33 00-0121	EA		30" B&B Corylus avellana - Contorted Hazelnut.....	85.85	
32 93 33 00-0122	EA		36" B&B Corylus avellana - Contorted Hazelnut.....	92.45	
32 93 33 00-0123	EA		42" B&B Corylus avellana - Contorted Hazelnut.....	118.86	
32 93 33 00-0124	EA		48" B&B Corylus avellana - Contorted Hazelnut.....	145.28	
32 93 33 00-0125	EA		60" B&B Corylus avellana - Contorted Hazelnut.....	165.09	
32 93 33 00-0126	EA		5' To 6' Cotinus coggygria - Smoke Tree.....	63.21	
32 93 33 00-0127	EA		6' To 8' Cotinus coggygria - Smoke Tree.....	94.78	
32 93 33 00-0128	EA		8' To 10' Cotinus coggygria - Smoke Tree.....	142.94	
32 93 33 00-0129	EA		5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	16.51	
32 93 33 00-0130	EA		18" B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	16.51	
32 93 33 00-0131	EA		24" B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	17.17	
32 93 33 00-0132	EA		12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster.....	15.82	
32 93 33 00-0133	EA		3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	17.17	
32 93 33 00-0134	EA		18" B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	16.51	
32 93 33 00-0135	EA		24" B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	17.17	
32 93 33 00-0136	EA		1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster.....	6.81	
32 93 33 00-0137	EA		2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster.....	21.07	
32 93 33 00-0138	EA		3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster.....	28.45	
32 93 33 00-0139	EA		4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster.....	48.17	
32 93 33 00-0140	EA		1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster.....	6.81	
32 93 33 00-0141	EA		2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster.....	13.41	
32 93 33 00-0142	EA		1 Gallon Dendromecon harfordii - Island Bush Poppy.....	10.74	
32 93 33 00-0143	EA		5 Gallon Dendromecon harfordii - Island Bush Poppy.....	26.86	
32 93 33 00-0144	EA		18" B&B Deutzia gracilis - Slender Deutzia.....	16.84	
32 93 33 00-0145	EA		24" B&B Deutzia gracilis - Slender Deutzia.....	18.49	
32 93 33 00-0146	EA		30" B&B Deutzia gracilis - Slender Deutzia.....	23.77	
32 93 33 00-0147	EA		36" B&B Deutzia gracilis - Slender Deutzia.....	27.73	
32 93 33 00-0148	EA		42" B&B Deutzia gracilis - Slender Deutzia.....	31.70	
32 93 33 00-0149	EA		24" B&B Diervilla sessilifolia - Southern Bush Honeysuckle.....	26.41	
32 93 33 00-0150	EA		30" B&B Diervilla sessilifolia - Southern Bush Honeysuckle.....	31.70	
32 93 33 00-0151	EA		36" B&B Diervilla sessilifolia - Southern Bush Honeysuckle.....	36.98	
32 93 33 00-0152	EA		2 Gallon Diervilla splendens - Splendens Bush Honeysuckle.....	9.91	
32 93 33 00-0153	EA		36" B&B Diervilla splendens - Splendens Bush Honeysuckle.....	23.77	
32 93 33 00-0154	EA		48" B&B Diervilla splendens - Splendens Bush Honeysuckle.....	31.70	
32 93 33 00-0155	EA		3' To 4' Elaeagnus umbellata - Autumn Olive.....	19.72	
32 93 33 00-0156	EA		4' To 5' Elaeagnus umbellata - Autumn Olive.....	27.10	
32 93 33 00-0157	EA		5' To 6' Elaeagnus umbellata - Autumn Olive.....	32.42	
32 93 33 00-0158	EA		3' To 4' Elaeagnus angustifolia - Russian Olive.....	31.57	
32 93 33 00-0159	EA		1 Gallon Euonymus - Gold Spot.....	5.68	
32 93 33 00-0160	EA		2 Gallon Euonymus - Gold Spot.....	11.92	
32 93 33 00-0161	EA		5 Gallon Euonymus - Gold Spot.....	16.39	
32 93 33 00-0162	EA		1 Gallon Euonymus alatus - Winged Euonymus.....	4.84	
32 93 33 00-0163	EA		3 Gallon Euonymus alatus - Winged Euonymus.....	13.97	
32 93 33 00-0164	EA		24" B&B Euonymus alatus - Winged Euonymus.....	18.83	
32 93 33 00-0165	EA		30" B&B Euonymus alatus - Winged Euonymus.....	23.54	
32 93 33 00-0166	EA		36" B&B Euonymus alatus - Winged Euonymus.....	32.35	
32 93 33 00-0167	EA		42" B&B Euonymus alatus - Winged Euonymus.....	39.94	
32 93 33 00-0168	EA		48" B&B Euonymus alatus - Winged Euonymus.....	47.08	
32 93 33 00-0169	EA		54" B&B Euonymus alatus - Winged Euonymus.....	60.75	
32 93 33 00-0170	EA		5 Gallon Euonymus alatus - Winged Euonymus.....	17.47	
32 93 33 00-0171	EA		60" B&B Euonymus alatus - Winged Euonymus.....	75.94	
32 93 33 00-0172	EA		30" B&B Euonymus alatus compactus - Compact Winged Euonymus.....	29.72	
32 93 33 00-0173	EA		36" B&B Euonymus alatus compactus - Compact Winged Euonymus.....	35.33	
32 93 33 00-0174	EA		42" B&B Euonymus alatus compactus - Compact Winged Euonymus.....	46.22	
32 93 33 00-0175	EA		48" B&B Euonymus alatus compactus - Compact Winged Euonymus.....	55.47	
32 93 33 00-0176	EA		60" B&B Euonymus alatus compactus - Compact Winged Euonymus.....	68.68	
32 93 33 00-0177	EA		18" To 24" Euonymus alatus - Winged Burning Bush.....	21.07	
32 93 33 00-0178	EA		2' To 2-1/2' Euonymus alatus - Winged Burning Bush.....	24.83	
32 93 33 00-0179	EA		2-1/2' To 3' Euonymus alatus - Winged Burning Bush.....	33.91	
32 93 33 00-0180	EA		3' To 3-1/2' Euonymus alatus - Winged Burning Bush.....	40.65	
32 93 33 00-0181	EA		3-1/2' To 4' Euonymus alatus - Winged Burning Bush.....	51.15	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0182	EA	4' To 5' Euonymus alatus - Winged Burning Bush	72.22
32 93 33 00-0183	EA	5' To 6' Euonymus alatus - Winged Burning Bush	90.31
32 93 33 00-0184	EA	6' To 8' Euonymus alatus - Winged Burning Bush	105.35
32 93 33 00-0185	EA	15" To 18" Euonymus alatus - Dwarf Winged Burning Bush	21.07
32 93 33 00-0186	EA	18" To 24" Euonymus alatus - Dwarf Winged Burning Bush	24.05
32 93 33 00-0187	EA	2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush	29.37
32 93 33 00-0188	EA	2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush	41.43
32 93 33 00-0189	EA	3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush	48.95
32 93 33 00-0190	EA	3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush	58.67
32 93 33 00-0191	EA	4' To 5' Euonymus alatus - Dwarf Winged Burning Bush	82.79
32 93 33 00-0192	EA	5' To 6' Euonymus alatus - Dwarf Winged Burning Bush	97.83
32 93 33 00-0193	EA	36" B&B Euonymus atropurpurea - Eastern Wahoo	17.83
32 93 33 00-0194	EA	1 Gallon Euonymus fortunei - Wintercreeper	6.81
32 93 33 00-0195	EA	2 Gallon Euonymus fortunei - Wintercreeper	13.41
32 93 33 00-0196	EA	3 Gallon Euonymus fortunei - Wintercreeper	16.39
32 93 33 00-0197	EA	5 Gallon Euonymus fortunei - Wintercreeper	19.44
32 93 33 00-0198	EA	2' To 3' Forsythia - Korean Forsythia	15.04
32 93 33 00-0199	EA	3' To 4' Forsythia - Korean Forsythia	19.01
32 93 33 00-0200	EA	4' To 5' Forsythia - Korean Forsythia	23.69
32 93 33 00-0201	EA	30" B&B Forsythia cvs - Forsythia cultivars	15.19
32 93 33 00-0202	EA	36" B&B Forsythia cvs - Forsythia cultivars	16.84
32 93 33 00-0203	EA	48" B&B Forsythia cvs - Forsythia cultivars	18.16
32 93 33 00-0204	EA	18" B&B Forsythia viridissima & cvs - Green Forsythia	15.85
32 93 33 00-0205	EA	24" B&B Forsythia viridissima & cvs - Green Forsythia	21.13
32 93 33 00-0206	EA	24" B&B Forsythia x intermedia & cvs - Border Forsythia	15.85
32 93 33 00-0207	EA	30" B&B Forsythia x intermedia & cvs - Border Forsythia	18.49
32 93 33 00-0208	EA	36" B&B Forsythia x intermedia & cvs - Border Forsythia	21.79
32 93 33 00-0209	EA	42" B&B Forsythia x intermedia & cvs - Border Forsythia	25.09
32 93 33 00-0210	EA	48" B&B Forsythia x intermedia & cvs - Border Forsythia	29.06
32 93 33 00-0211	EA	2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	22.45
32 93 33 00-0212	EA	3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	31.37
32 93 33 00-0213	EA	5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	33.02
32 93 33 00-0214	EA	15" B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	34.34
32 93 33 00-0215	EA	18" B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	36.98
32 93 33 00-0216	EA	24" B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	44.90
32 93 33 00-0217	EA	24" B&B Fothergilla major - Large Fothergilla	58.11
32 93 33 00-0218	EA	30" B&B Fothergilla major - Large Fothergilla	66.03
32 93 33 00-0219	EA	1 Gallon Gardenia jasminoides - Cape Jasmine	4.90
32 93 33 00-0220	EA	3 Gallon Gardenia jasminoides - Cape Jasmine	12.84
32 93 33 00-0221	EA	5 Gallon Gardenia jasminoides - Cape Jasmine	16.39
32 93 33 00-0222	EA	36" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	46.22
32 93 33 00-0223	EA	48" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	75.28
32 93 33 00-0224	EA	60" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	95.09
32 93 33 00-0225	EA	72" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	145.28
32 93 33 00-0226	EA	84" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	165.09
32 93 33 00-0227	EA	1 Gallon Hedychium gartdnerum - Variegated Ginger	2.81
32 93 33 00-0228	EA	3 Gallon Hedychium gartdnerum - Variegated Ginger	9.87
32 93 33 00-0229	EA	5 Gallon Hedychium gartdnerum - Variegated Ginger	18.98
32 93 33 00-0230	EA	1 Gallon Hibiscus rosa-sinensis - Hibiscus	7.20
32 93 33 00-0231	EA	3 Gallon Hibiscus rosa-sinensis - Hibiscus	12.15
32 93 33 00-0232	EA	5 Gallon Hibiscus rosa-sinensis - Hibiscus	18.38
32 93 33 00-0233	EA	5 Gallon Hibiscus syriacus - Rose Of Sharon	19.01
32 93 33 00-0234	EA	2' To 3' Hibiscus syriacus - Rose Of Sharon	16.17
32 93 33 00-0235	EA	3' To 4' Hibiscus syriacus - Rose Of Sharon	21.85
32 93 33 00-0236	EA	4' To 5' Hibiscus syriacus - Rose Of Sharon	31.57
32 93 33 00-0237	EA	5' To 6' Hibiscus syriacus - Rose Of Sharon	43.63
32 93 33 00-0238	EA	2 Gallon Hydrangea - Blue Hydrangea	13.41
32 93 33 00-0239	EA	5 Gallon Hydrangea - Blue Hydrangea	18.87
32 93 33 00-0240	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	21.07
32 93 33 00-0241	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	24.05
32 93 33 00-0242	EA	2 Gallon Hydrangea quercifolia - Oakleaf Hydrangea	13.41
32 93 33 00-0243	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea	23.11
32 93 33 00-0244	EA	30" B&B Hydrangea arborescens & cvs - Smooth Hydrangea	25.09
32 93 33 00-0245	EA	36" B&B Hydrangea arborescens & cvs - Smooth Hydrangea	29.06
32 93 33 00-0246	EA	4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea	30.38
32 93 33 00-0247	EA	18" B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea	23.77
32 93 33 00-0248	EA	24" B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea	31.70
32 93 33 00-0249	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	13.87
32 93 33 00-0250	EA	5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	16.51
32 93 33 00-0251	EA	18" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	14.20
32 93 33 00-0252	EA	24" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	15.19
32 93 33 00-0253	EA	30" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	17.17
32 93 33 00-0254	EA	36" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	19.81
32 93 33 00-0255	EA	48" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	26.41
32 93 33 00-0256	EA	18" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	19.15
32 93 33 00-0257	EA	24" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	21.79
32 93 33 00-0258	EA	30" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	25.75
32 93 33 00-0259	EA	2 Gallon Hypericum kalmianum - St. John's Wort	13.41
32 93 33 00-0260	EA	3 Gallon Hypericum kalmianum - Kalm St. John's Wort	15.85
32 93 33 00-0261	EA	24" B&B Hypericum kalmianum - Kalm St. John's Wort	17.17
32 93 33 00-0262	EA	1 Gallon Ilex "Carissa" - Holly	6.81



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0263	EA	2	Gallon Ilex "Carissa" - Holly	13.41	
32 93 33 00-0264	EA	5	Gallon Ilex "Carissa" - Holly	18.87	
32 93 33 00-0265	EA	18"	To 24" Ilex - Gulf tide Sweet Holly	18.09	
32 93 33 00-0266	EA	2'	To 2-1/2' Ilex - Gulf tide Sweet Holly	22.91	
32 93 33 00-0267	EA	2-1/2'	To 3' Ilex - Gulf tide Sweet Holly	29.72	
32 93 33 00-0268	EA	3'	To 3-1/2' Ilex - Gulf tide Sweet Holly	36.11	
32 93 33 00-0269	EA	3	Gallon Ilex cornuta - Dwarf Horned Holly	13.51	
32 93 33 00-0270	EA	1	Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	6.81	
32 93 33 00-0271	EA	2	Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	13.41	
32 93 33 00-0272	EA	5	Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	19.44	
32 93 33 00-0273	EA	1	Gallon Ilex crenata - Hellers Japanese Holly	6.81	
32 93 33 00-0274	EA	2	Gallon Ilex crenata - Hellers Japanese Holly	14.90	
32 93 33 00-0275	EA	3	Gallon Ilex crenata - Hellers Japanese Holly	19.44	
32 93 33 00-0276	EA	2	Gallon Ilex crenata - Hetzi Japanese Holly	14.90	
32 93 33 00-0277	EA	3	Gallon Ilex crenata - Hetzi Japanese Holly	17.95	
32 93 33 00-0278	EA	2'	To 3' Ilex crenata - Hetzi Japanese Holly	36.11	
32 93 33 00-0279	EA	3'	To 4' Ilex crenata - Hetzi Japanese Holly	48.17	
32 93 33 00-0280	EA	2'	To 3' Ilex opaca - American Holly	48.17	
32 93 33 00-0281	EA	3'	To 4' Ilex opaca - American Holly	79.74	
32 93 33 00-0282	EA	4'	To 5' Ilex opaca - American Holly	102.30	
32 93 33 00-0283	EA	5'	To 6' Ilex opaca - American Holly	123.36	
32 93 33 00-0284	EA	6'	To 7' Ilex opaca - American Holly	173.02	
32 93 33 00-0285	EA	7'	To 8' Ilex opaca - American Holly	240.77	
32 93 33 00-0286	EA	8'	To 10' Ilex opaca - American Holly	346.04	
32 93 33 00-0287	EA	10'	To 12' Ilex opaca - American Holly	526.66	
32 93 33 00-0288	EA	12'	To 14' Ilex opaca - American Holly	639.45	
32 93 33 00-0289	EA	14'	To 16' Ilex opaca - American Holly	789.91	
32 93 33 00-0290	EA	2'	To 3' Ilex verticillata - Winterberry (Female)	48.17	
32 93 33 00-0291	EA	3'	To 4' Ilex verticillata - Winterberry (Female)	63.21	
32 93 33 00-0292	EA	2'	To 3' Ilex verticillata - Winterberry (Male)	39.09	
32 93 33 00-0293	EA	3'	To 4' Ilex verticillata - Winterberry (Male)	54.20	
32 93 33 00-0294	EA	4'	To 5' Ilex verticillata - Winterberry (Male)	63.21	
32 93 33 00-0295	EA	1	Gallon Ilex vomitoria - Yaupon Holly	6.38	
32 93 33 00-0296	EA	3	Gallon Ilex vomitoria - Yaupon Holly	12.84	
32 93 33 00-0297	EA	10	Gallon Ilex vomitoria - Yaupon Holly	45.12	
32 93 33 00-0298	EA	18"	B&B Ilex glabra compacta & cvs - Compact Inkberry Holly	20.47	
32 93 33 00-0299	EA	24"	B&B Ilex glabra compacta & cvs - Compact Inkberry Holly	23.11	
32 93 33 00-0300	EA	3	Gallon Ilex meserveae & cvs - Blue Holly	26.41	
32 93 33 00-0301	EA	18"	B&B Ilex meserveae & cvs - Blue Holly	24.43	
32 93 33 00-0302	EA	24"	B&B Ilex meserveae & cvs - Blue Holly	29.72	
32 93 33 00-0303	EA	5	Gallon Ilex verticillata & cvs - Common Winterberry	21.79	
32 93 33 00-0304	EA	24"	B&B Ilex verticillata & cvs - Common Winterberry	21.79	
32 93 33 00-0305	EA	30"	B&B Ilex verticillata & cvs - Common Winterberry	23.11	
32 93 33 00-0306	EA	36"	B&B Ilex verticillata & cvs - Common Winterberry	27.73	
32 93 33 00-0307	EA	42"	B&B Ilex verticillata & cvs - Common Winterberry	31.04	
32 93 33 00-0308	EA	48"	B&B Ilex verticillata & cvs - Common Winterberry	33.02	
32 93 33 00-0309	EA	60"	B&B Ilex verticillata & cvs - Common Winterberry	42.26	
32 93 33 00-0310	EA	4'	To 5' Ilex x attenuata "Foster" - Holly	78.25	
32 93 33 00-0311	EA	5'	To 6' Ilex x attenuata "Foster" - Holly	103.78	
32 93 33 00-0312	EA	6'	To 7' Ilex x attenuata "Foster" - Holly	92.86	
32 93 33 00-0313	EA	7'	To 8' Ilex x attenuata "Foster" - Holly	180.54	
32 93 33 00-0314	EA	1	Gallon Jasminum - Jasmine	1.75	
32 93 33 00-0315	EA	3	Gallon Jasminum - Jasmine	6.83	
32 93 33 00-0316	EA	3	Gallon Jasminum - Orange Jasmine	5.32	
32 93 33 00-0317	EA	4'	- 5' Jasminum - Orange Jasmine	60.75	
32 93 33 00-0318	EA	6'	- 7' Jasminum - Orange Jasmine	121.50	
32 93 33 00-0319	EA	8'	- 10' Jasminum - Orange Jasmine	164.03	
32 93 33 00-0320	EA	3	Gallon Juniperus chinensis cvs - Chinese Juniper	23.11	
32 93 33 00-0321	EA	5	Gallon Juniperus chinensis cvs - Chinese Juniper	25.75	
32 93 33 00-0322	EA	18"	B&B Juniperus chinensis cvs - Chinese Juniper	34.34	
32 93 33 00-0323	EA	24"	B&B Juniperus chinensis cvs - Chinese Juniper	44.90	
32 93 33 00-0324	EA	30"	B&B Juniperus chinensis cvs - Chinese Juniper	52.83	
32 93 33 00-0325	EA	36"	B&B Juniperus chinensis cvs - Chinese Juniper	71.32	
32 93 33 00-0326	EA	48"	B&B Juniperus chinensis cvs - Chinese Juniper	97.73	
32 93 33 00-0327	EA	1	Gallon Juniperus horizontalis cvs - Creeping Juniper	11.01	
32 93 33 00-0328	EA	3	Gallon Juniperus horizontalis cvs - Creeping Juniper	23.11	
32 93 33 00-0329	EA	5	Gallon Juniperus horizontalis cvs - Creeping Juniper	25.75	
32 93 33 00-0330	EA	15"	B&B Juniperus horizontalis cvs - Creeping Juniper	27.73	
32 93 33 00-0331	EA	18"	B&B Juniperus horizontalis cvs - Creeping Juniper	30.38	
32 93 33 00-0332	EA	24"	B&B Juniperus horizontalis cvs - Creeping Juniper	36.98	
32 93 33 00-0333	EA	30"	B&B Juniperus horizontalis cvs - Creeping Juniper	44.90	
32 93 33 00-0334	EA	3	Gallon Juniperus procumbens cvs - Japanese Garden Juniper	17.83	
32 93 33 00-0335	EA	18"	B&B Juniperus procumbens cvs - Japanese Garden Juniper	21.13	
32 93 33 00-0336	EA	24"	B&B Juniperus procumbens cvs - Japanese Garden Juniper	29.06	
32 93 33 00-0337	EA	30"	B&B Juniperus procumbens cvs - Japanese Garden Juniper	36.98	
32 93 33 00-0338	EA	36"	B&B Juniperus procumbens cvs - Japanese Garden Juniper	44.90	
32 93 33 00-0339	EA	3	Gallon Juniperus sabina cvs - Savin Juniper	16.51	
32 93 33 00-0340	EA	5	Gallon Juniperus sabina cvs - Savin Juniper	19.81	
32 93 33 00-0341	EA	4	Gallon Juniperus virginiana cvs - Red Cedar Juniper	17.17	
32 93 33 00-0342	EA	36"	B&B Juniperus virginiana cvs - Red Cedar Juniper	33.02	
32 93 33 00-0343	EA	48"	B&B Juniperus virginiana cvs - Red Cedar Juniper	51.51	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0344	EA	60" B&B Juniperus virginiana cvs - Red Cedar Juniper	64.71
32 93 33 00-0345	EA	15" To 18" Kalmia latifolia - Mountain Laurel	27.10
32 93 33 00-0346	EA	18" To 24" Kalmia latifolia - Mountain Laurel	36.11
32 93 33 00-0347	EA	2' To 3' Kalmia latifolia - Mountain Laurel	52.64
32 93 33 00-0348	EA	4' To 5' Kalmia latifolia - Mountain Laurel	96.26
32 93 33 00-0349	EA	5' To 6' Kalmia latifolia - Mountain Laurel	147.48
32 93 33 00-0350	EA	6' To 8' Kalmia latifolia - Mountain Laurel	225.73
32 93 33 00-0351	EA	1 Gallon Kerria japonica - Kerria	6.03
32 93 33 00-0352	EA	5 Gallon Kerria japonica - Kerria	18.87
32 93 33 00-0353	EA	24" B&B Kolkwitzia amabilis & cvs - Beautybush	19.15
32 93 33 00-0354	EA	30" B&B Kolkwitzia amabilis & cvs - Beautybush	21.79
32 93 33 00-0355	EA	36" B&B Kolkwitzia amabilis & cvs - Beautybush	23.77
32 93 33 00-0356	EA	42" B&B Kolkwitzia amabilis & cvs - Beautybush	27.73
32 93 33 00-0357	EA	48" B&B Kolkwitzia amabilis & cvs - Beautybush	31.70
32 93 33 00-0358	EA	60" B&B Kolkwitzia amabilis & cvs - Beautybush	39.62
32 93 33 00-0359	EA	1 Gallon Lagerstroemia indica - Crepe Myrtle	4.54
32 93 33 00-0360	EA	5 Gallon Lagerstroemia indica - Crepe Myrtle	16.17
32 93 33 00-0361	EA	3' To 4' Lagerstroemia indica - Crepe Myrtle	22.56
32 93 33 00-0362	EA	4' To 5' Lagerstroemia indica - Crepe Myrtle	33.13
32 93 33 00-0363	EA	5' To 6' Lagerstroemia indica - Crepe Myrtle	52.64
32 93 33 00-0364	EA	7' To 8' Lagerstroemia indica - Crepe Myrtle	68.35
32 93 33 00-0365	EA	9' To 10' Lagerstroemia indica - Crepe Myrtle	91.13
32 93 33 00-0366	EA	11' To 12' Lagerstroemia indica - Crepe Myrtle	189.85
32 93 33 00-0367	EA	1 Gallon Leucothoe axillaris - Coast Leucothoe	6.81
32 93 33 00-0368	EA	2 Gallon Leucothoe axillaris - Coast Leucothoe	14.90
32 93 33 00-0369	EA	3 Gallon Leucothoe axillaris - Coast Leucothoe	17.95
32 93 33 00-0370	EA	1 Gallon Ligustrum lucidum - Glossy Privet	4.19
32 93 33 00-0371	EA	5 Gallon Ligustrum lucidum - Glossy Privet	12.84
32 93 33 00-0372	EA	15 Gallon Ligustrum lucidum - Glossy Privet	60.16
32 93 33 00-0373	EA	1 Gallon Ligustrum sinense - Variegated Chinese Privet	4.19
32 93 33 00-0374	EA	2 Gallon Ligustrum sinense - Variegated Chinese Privet	9.01
32 93 33 00-0375	EA	3 Gallon Ligustrum sinense - Variegated Chinese Privet	11.71
32 93 33 00-0376	EA	36" B&B Ligustrum vulgare & cvs - Common Privet	19.81
32 93 33 00-0377	EA	48" B&B Ligustrum vulgare & cvs - Common Privet	29.06
32 93 33 00-0378	EA	60" B&B Ligustrum vulgare & cvs - Common Privet	36.98
32 93 33 00-0379	EA	72" B&B Ligustrum vulgare & cvs - Common Privet	42.26
32 93 33 00-0380	EA	5 Gallon Lindera benzoin - Spicebush	21.79
32 93 33 00-0381	EA	36" B&B Lindera benzoin - Spicebush	18.49
32 93 33 00-0382	EA	48" B&B Lindera benzoin - Spicebush	22.45
32 93 33 00-0383	EA	2' To 3' Lonicera fragrantissima - Winter Honeysuckle	36.11
32 93 33 00-0384	EA	3' To 4' Lonicera fragrantissima - Winter Honeysuckle	43.63
32 93 33 00-0385	EA	30" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	19.81
32 93 33 00-0386	EA	36" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	23.77
32 93 33 00-0387	EA	42" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	26.41
32 93 33 00-0388	EA	48" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	29.06
32 93 33 00-0389	EA	1 Gallon Myrica cerifera - Wax Myrtle	3.80
32 93 33 00-0390	EA	4 Gallon Myrica cerifera - Wax Myrtle	12.15
32 93 33 00-0391	EA	7 Gallon Myrica cerifera - Wax Myrtle	26.58
32 93 33 00-0392	EA	10 Gallon Myrica cerifera - Wax Myrtle	39.49
32 93 33 00-0393	EA	15 Gallon Myrica cerifera - Wax Myrtle	60.75
32 93 33 00-0394	EA	45 Gallon Myrica cerifera - Wax Myrtle	182.26
32 93 33 00-0395	EA	1' - 2' Myrica cerifera - Wax Myrtle	5.32
32 93 33 00-0396	EA	3' - 4' Myrica cerifera - Wax Myrtle	18.23
32 93 33 00-0397	EA	5' - 6' Myrica cerifera - Wax Myrtle	33.41
32 93 33 00-0398	EA	7' - 8' Myrica cerifera - Wax Myrtle	45.56
32 93 33 00-0399	EA	9' - 10' Myrica cerifera - Wax Myrtle	60.75
32 93 33 00-0400	EA	11' - 12' Myrica cerifera - Wax Myrtle	92.65
32 93 33 00-0401	EA	3 Gallon Myrica pensylvanica - Northern Bayberry	19.81
32 93 33 00-0402	EA	24" B&B Myrica pensylvanica - Northern Bayberry	32.36
32 93 33 00-0403	EA	30" B&B Myrica pensylvanica - Northern Bayberry	47.54
32 93 33 00-0404	EA	36" B&B Myrica pensylvanica - Northern Bayberry	56.79
32 93 33 00-0405	EA	48" B&B Myrica pensylvanica - Northern Bayberry	59.43
32 93 33 00-0406	EA	1 Gallon Nandina domestica - Heavenly Bamboo	6.81
32 93 33 00-0407	EA	2 Gallon Nandina domestica - Heavenly Bamboo	14.90
32 93 33 00-0408	EA	5 Gallon Nandina domestica - Heavenly Bamboo	22.56
32 93 33 00-0409	EA	1 Gallon Osmanthus fragrans - Fragrant Tea Olive	4.19
32 93 33 00-0410	EA	3 Gallon Osmanthus fragrans - Fragrant Tea Olive	11.35
32 93 33 00-0411	EA	1 Gallon Philadelphus - Evergreen Mockorange	5.82
32 93 33 00-0412	EA	5 Gallon Philadelphus - Evergreen Mockorange	18.87
32 93 33 00-0413	EA	36" B&B Philadelphus x virginialis & cvs - Mockorange	19.81
32 93 33 00-0414	EA	42" B&B Philadelphus x virginialis & cvs - Mockorange	23.11
32 93 33 00-0415	EA	48" B&B Philadelphus x virginialis & cvs - Mockorange	26.41
32 93 33 00-0416	EA	24" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	19.81
32 93 33 00-0417	EA	30" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	23.11
32 93 33 00-0418	EA	36" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	26.41
32 93 33 00-0419	EA	42" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	33.02
32 93 33 00-0420	EA	48" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	39.62
32 93 33 00-0421	EA	12" To 15" Spread Pieris - Mountain Andromeda	18.23
32 93 33 00-0422	EA	15" To 18" Spread Pieris - Mountain Andromeda	39.09
32 93 33 00-0423	EA	12" To 15" Pieris japonica - Japanese Andromeda	23.69
32 93 33 00-0424	EA	15" To 18" Pieris japonica - Japanese Andromeda	27.10



Exterior Improvements 32

Planting 32 90

Plants 32 93

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0425	EA	18"	To 24" Pieris japonica - Japanese Andromeda.....	33.91	
32 93 33 00-0426	EA	2' To 2-1/2'	Pieris japonica - Japanese Andromeda.....	48.17	
32 93 33 00-0427	EA	2-1/2' To 3'	Pieris japonica - Japanese Andromeda.....	57.18	
32 93 33 00-0428	EA	24"	B&B Pinus mugo & cvs - Mugo Pine.....	33.02	
32 93 33 00-0429	EA	30"	B&B Pinus mugo & cvs - Mugo Pine.....	42.26	
32 93 33 00-0430	EA	36"	B&B Pinus mugo & cvs - Mugo Pine.....	50.85	
32 93 33 00-0431	EA	48"	B&B Pinus mugo & cvs - Mugo Pine.....	65.37	
32 93 33 00-0432	EA	60"	B&B Pinus mugo & cvs - Mugo Pine.....	78.58	
32 93 33 00-0433	EA	72"	B&B Pinus mugo & cvs - Mugo Pine.....	114.90	
32 93 33 00-0434	EA	30"	B&B Pinus mugo compacta - Dwarf Mugo Pine.....	71.32	
32 93 33 00-0435	EA	36"	B&B Pinus mugo compacta - Dwarf Mugo Pine.....	85.85	
32 93 33 00-0436	EA	48"	B&B Pinus mugo compacta - Dwarf Mugo Pine.....	114.24	
32 93 33 00-0437	EA	1	Gallon Pittosporum - Pittosporum.....	2.51	
32 93 33 00-0438	EA	3	Gallon Pittosporum - Pittosporum.....	6.45	
32 93 33 00-0439	EA	1	Gallon Pittosporum - Varigated Pittosporum.....	2.51	
32 93 33 00-0440	EA	3	Gallon Pittosporum - Varigated Pittosporum.....	6.45	
32 93 33 00-0441	EA	5	Gallon Pittosporum - Varigated Pittosporum.....	11.32	
32 93 33 00-0442	EA	2	Gallon Potentilla fruticosa & cvs - Bush Cinquefoil.....	11.23	
32 93 33 00-0443	EA	5	Gallon Potentilla fruticosa & cvs - Bush Cinquefoil.....	15.85	
32 93 33 00-0444	EA	18"	B&B Potentilla fruticosa & cvs - Bush Cinquefoil.....	11.89	
32 93 33 00-0445	EA	24"	B&B Potentilla fruticosa & cvs - Bush Cinquefoil.....	13.21	
32 93 33 00-0446	EA	30"	B&B Potentilla fruticosa & cvs - Bush Cinquefoil.....	19.15	
32 93 33 00-0447	EA	36"	B&B Potentilla fruticosa & cvs - Bush Cinquefoil.....	22.12	
32 93 33 00-0448	EA	1	Gallon Prunus caroliniana - Carolina Cherry Laurel.....	4.54	
32 93 33 00-0449	EA	3	Gallon Prunus caroliniana - Carolina Cherry Laurel.....	11.35	
32 93 33 00-0450	EA	15	Gallon Prunus caroliniana - Carolina Cherry Laurel.....	67.68	
32 93 33 00-0451	EA	15"	To 18" Prunus laurocerasus - Cherry Laurel.....	17.31	
32 93 33 00-0452	EA	18"	To 24" Prunus laurocerasus - Cherry Laurel.....	21.42	
32 93 33 00-0453	EA	24"	To 30" Prunus laurocerasus - Cherry Laurel.....	27.88	
32 93 33 00-0454	EA	15"	To 18" Prunus triloba - Double White Flowering Almond.....	15.46	
32 93 33 00-0455	EA	18"	To 24" Prunus triloba - Double White Flowering Almond.....	19.79	
32 93 33 00-0456	EA	3'	To 4' Prunus triloba - Double White Flowering Almond.....	31.57	
32 93 33 00-0457	EA	4'	To 6' Prunus triloba - Double White Flowering Almond.....	63.21	
32 93 33 00-0458	EA	5	Gallon Prunus triloba - Pink Flowering Almond.....	19.01	
32 93 33 00-0459	EA	18"	To 24" Prunus triloba - Pink Flowering Almond.....	21.35	
32 93 33 00-0460	EA	2'	To 3' Prunus triloba - Pink Flowering Almond.....	24.83	
32 93 33 00-0461	EA	2'	To 3' Prunus virginiana - Brilliant Chokeberry.....	16.88	
32 93 33 00-0462	EA	3'	To 4' Prunus virginiana - Brilliant Chokeberry.....	20.71	
32 93 33 00-0463	EA	4'	To 5' Prunus virginiana - Brilliant Chokeberry.....	24.83	
32 93 33 00-0464	EA	5'	To 6' Prunus virginiana - Brilliant Chokeberry.....	28.45	
32 93 33 00-0465	EA	1	Gallon Punica granatum - Dwarf Pomegranate.....	4.47	
32 93 33 00-0466	EA	3	Gallon Punica granatum - Dwarf Pomegranate.....	13.20	
32 93 33 00-0467	EA	7	Gallon Punica granatum - Dwarf Pomegranate.....	27.10	
32 93 33 00-0468	EA	1	Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	5.68	
32 93 33 00-0469	EA	5	Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	18.87	
32 93 33 00-0470	EA	5	Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	39.09	
32 93 33 00-0471	EA	1	Gallon Ralphialepis indica - Indian Hawthorne.....	4.54	
32 93 33 00-0472	EA	2	Gallon Ralphialepis indica - Indian Hawthorne.....	8.65	
32 93 33 00-0473	EA	5	Gallon Ralphialepis indica - Indian Hawthorne.....	15.39	
32 93 33 00-0474	EA	1	Gallon Rhamnus californica - Coffeeberry.....	6.90	
32 93 33 00-0475	EA	5	Gallon Rhamnus californica - Coffeeberry.....	19.73	
32 93 33 00-0476	EA	15	Gallon Rhamnus californica - Coffeeberry.....	59.22	
32 93 33 00-0477	EA	4'	To 5' Rhamnus frangula "Columnaris" - Tallhedge.....	34.62	
32 93 33 00-0478	EA	5'	To 6' Rhamnus frangula "Columnaris" - Tallhedge.....	47.46	
32 93 33 00-0479	EA	6'	To 8' Rhamnus frangula "Columnaris" - Tallhedge.....	61.72	
32 93 33 00-0480	EA	10'	To 12' Rhamnus frangula "Columnaris" - Tallhedge.....	112.86	
32 93 33 00-0481	EA	1	Gallon Rhododendron - Azalea Evergreen Hybrids.....	7.38	
32 93 33 00-0482	EA	2	Gallon Rhododendron - Azalea Evergreen Hybrids.....	14.90	
32 93 33 00-0483	EA	3	Gallon Rhododendron - Azalea Evergreen Hybrids.....	19.44	
32 93 33 00-0484	EA	5	Gallon Rhododendron - Azalea Evergreen Hybrids.....	22.56	
32 93 33 00-0485	EA	15"	To 18" Rhododendron - Azalea Evergreen Hybrids.....	26.39	
32 93 33 00-0486	EA	18"	To 24" Rhododendron - Azalea Evergreen Hybrids.....	33.13	
32 93 33 00-0487	EA	2'	To 2-1/2' Rhododendron - Azalea Evergreen Hybrids.....	48.17	
32 93 33 00-0488	EA	2-1/2'	To 3' Rhododendron - Azalea Evergreen Hybrids.....	67.68	
32 93 33 00-0489	EA	1	Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	8.30	
32 93 33 00-0490	EA	2	Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	14.90	
32 93 33 00-0491	EA	15"	To 18" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	25.61	
32 93 33 00-0492	EA	18"	To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	33.13	
32 93 33 00-0493	EA	2'	To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	48.17	
32 93 33 00-0494	EA	3'	To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	70.73	
32 93 33 00-0495	EA	4'	To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	94.78	
32 93 33 00-0496	EA	5	Gallon Rhododendron - Boxleaf Azara.....	18.87	
32 93 33 00-0497	EA	15	Gallon Rhododendron - Boxleaf Azara.....	67.68	
32 93 33 00-0498	EA	15"	To 18" Rhododendron - Carolina Rhododendron.....	21.35	
32 93 33 00-0499	EA	18"	To 24" Rhododendron - Carolina Rhododendron.....	37.60	
32 93 33 00-0500	EA	24"	To 30" Rhododendron - Carolina Rhododendron.....	55.69	
32 93 33 00-0501	EA	2'	To 3' Rhododendron - Five-leafed Azalea.....	25.33	
32 93 33 00-0502	EA	3'	To 4' Rhododendron - Five-leafed Azalea.....	33.13	
32 93 33 00-0503	EA	4'	To 5' Rhododendron - Five-leafed Azalea.....	43.63	
32 93 33 00-0504	EA	15"	To 18" Rhododendron - Ghent Azalea.....	25.33	
32 93 33 00-0505	EA	18"	To 24" Rhododendron - Ghent Azalea.....	31.57	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0506	EA	2' To 3' Rhododendron - Ghent Azalea	51.15
32 93 33 00-0507	EA	3' To 4' Rhododendron - Ghent Azalea	70.73
32 93 33 00-0508	EA	4' To 5' Rhododendron - Ghent Azalea	94.78
32 93 33 00-0509	EA	5' To 6' Rhododendron - Ghent Azalea	126.41
32 93 33 00-0510	EA	1 Gallon Rhododendron - Hybrid Rhododendron	8.30
32 93 33 00-0511	EA	2 Gallon Rhododendron - Hybrid Rhododendron	17.95
32 93 33 00-0512	EA	3 Gallon Rhododendron - Hybrid Rhododendron	25.47
32 93 33 00-0513	EA	5 Gallon Rhododendron - Hybrid Rhododendron	28.45
32 93 33 00-0514	EA	15" To 18" Rhododendron - Hybrid Rhododendron	24.05
32 93 33 00-0515	EA	18" To 24" Rhododendron - Hybrid Rhododendron	33.13
32 93 33 00-0516	EA	24" To 30" Rhododendron - Hybrid Rhododendron	45.12
32 93 33 00-0517	EA	30" To 36" Rhododendron - Hybrid Rhododendron	52.64
32 93 33 00-0518	EA	36" To 42" Rhododendron - Hybrid Rhododendron	75.27
32 93 33 00-0519	EA	42" To 48" Rhododendron - Hybrid Rhododendron	93.29
32 93 33 00-0520	EA	15" To 18" Rhododendron - Pjm Rhododendron	27.10
32 93 33 00-0521	EA	18" To 24" Rhododendron - Pjm Rhododendron	33.13
32 93 33 00-0522	EA	2' To 2-1/2' Rhododendron - Pjm Rhododendron	48.17
32 93 33 00-0523	EA	2-1/2 To 3' Rhododendron - Pjm Rhododendron	61.72
32 93 33 00-0524	EA	3' To 3-1/2' Rhododendron - Pjm Rhododendron	75.27
32 93 33 00-0525	EA	12" To 15" Rhododendron - Torch Azalea	21.07
32 93 33 00-0526	EA	15" To 18" Rhododendron - Torch Azalea	25.33
32 93 33 00-0527	EA	18" To 24" Rhododendron - Torch Azalea	31.57
32 93 33 00-0528	EA	2' To 3' Rhododendron - Torch Azalea	52.64
32 93 33 00-0529	EA	3 Gallon Rhododendron cvs - Lepidote Rhododendron	23.77
32 93 33 00-0530	EA	5 Gallon Rhododendron cvs - Lepidote Rhododendron	29.06
32 93 33 00-0531	EA	18" B&B Rhododendron cvs - Lepidote Rhododendron	35.66
32 93 33 00-0532	EA	24" B&B Rhododendron cvs - Lepidote Rhododendron	44.90
32 93 33 00-0533	EA	30" B&B Rhododendron cvs - Lepidote Rhododendron	52.83
32 93 33 00-0534	EA	36" B&B Rhododendron cvs - Lepidote Rhododendron	63.39
32 93 33 00-0535	EA	1 Gallon Rhus glabra - Dwarf Smooth Sumac	6.81
32 93 33 00-0536	EA	5 Gallon Rhus glabra - Dwarf Smooth Sumac	18.87
32 93 33 00-0537	EA	2 Gallon Rhus aromatica & cvs - Fragrant Sumac	15.85
32 93 33 00-0538	EA	5 Gallon Rhus aromatica & cvs - Fragrant Sumac	21.79
32 93 33 00-0539	EA	18" B&B Rhus aromatica & cvs - Fragrant Sumac	25.09
32 93 33 00-0540	EA	24" B&B Rhus aromatica & cvs - Fragrant Sumac	33.02
32 93 33 00-0541	EA	36" B&B Rhus glabra - Smooth Sumac	19.81
32 93 33 00-0542	EA	48" B&B Rhus typhina & cvs - Staghorn Sumac	33.02
32 93 33 00-0543	EA	72" B&B Rhus typhina & cvs - Staghorn Sumac	52.83
32 93 33 00-0544	EA	15" B&B Ribes alpinum & cvs - Alpine Currant	17.83
32 93 33 00-0545	EA	18" B&B Ribes alpinum & cvs - Alpine Currant	20.47
32 93 33 00-0546	EA	24" B&B Ribes alpinum & cvs - Alpine Currant	29.72
32 93 33 00-0547	EA	30" B&B Ribes alpinum & cvs - Alpine Currant	39.62
32 93 33 00-0548	EA	1 Gallon Rosa hybrids & cvs - Shrub Rose	10.90
32 93 33 00-0549	EA	2 Gallon Rosa hybrids & cvs - Shrub Rose	13.21
32 93 33 00-0550	EA	3 Gallon Rosa hybrids & cvs - Shrub Rose	16.51
32 93 33 00-0551	EA	2 Gallon Rosa rugosa & cvs - Rugosa Rose	11.89
32 93 33 00-0552	EA	3 Gallon Rosa rugosa & cvs - Rugosa Rose	15.19
32 93 33 00-0553	EA	5 Gallon Sambucus canadensis - American Elder	21.79
32 93 33 00-0554	EA	2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	9.79
32 93 33 00-0555	EA	3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	14.33
32 93 33 00-0556	EA	1 Gallon Sarcococca humilis - Fragrant Sarcococca	5.32
32 93 33 00-0557	EA	5 Gallon Sarcococca humilis - Fragrant Sarcococca	13.90
32 93 33 00-0558	EA	5 Gallon Senna artemisioides - Feathery Cassia	12.89
32 93 33 00-0559	EA	15 Gallon Senna artemisioides - Feathery Cassia	51.29
32 93 33 00-0560	EA	24" Box Senna artemisioides - Feathery Cassia	161.13
32 93 33 00-0561	EA	1 Gallon Skimmia japonica - Japanese Skimmia	6.81
32 93 33 00-0562	EA	2 Gallon Skimmia japonica - Japanese Skimmia	13.55
32 93 33 00-0563	EA	5 Gallon Skimmia japonica - Japanese Skimmia	21.85
32 93 33 00-0564	EA	3' To 4' Spiraea - Garland Spirea	31.57
32 93 33 00-0565	EA	4' To 5' Spiraea - Garland Spirea	48.17
32 93 33 00-0566	EA	5 Gallon Spiraea - Snowmound Spirea	18.87
32 93 33 00-0567	EA	18" To 24" Spiraea - Snowmound Spirea	15.46
32 93 33 00-0568	EA	2' To 3' Spiraea - Snowmound Spirea	21.85
32 93 33 00-0569	EA	3' To 4' Spiraea - Snowmound Spirea	25.33
32 93 33 00-0570	EA	4' To 5' Spiraea - Snowmound Spirea	43.63
32 93 33 00-0571	EA	1 Gallon Spiraea japonica & cvs - Japanese Spirea	6.81
32 93 33 00-0572	EA	2 Gallon Spiraea japonica & cvs - Japanese Spirea	13.41
32 93 33 00-0573	EA	3 Gallon Spiraea japonica & cvs - Japanese Spirea	15.52
32 93 33 00-0574	EA	5 Gallon Spiraea japonica & cvs - Japanese Spirea	16.84
32 93 33 00-0575	EA	18" B&B Spiraea japonica & cvs - Japanese Spirea	17.17
32 93 33 00-0576	EA	24" B&B Spiraea japonica & cvs - Japanese Spirea	19.81
32 93 33 00-0577	EA	30" B&B Spiraea japonica & cvs - Japanese Spirea	22.45
32 93 33 00-0578	EA	36" B&B Spiraea japonica & cvs - Japanese Spirea	26.08
32 93 33 00-0579	EA	2 Gallon Spiraea nipponica & cvs - Nippon Spiraea	10.57
32 93 33 00-0580	EA	5 Gallon Spiraea nipponica & cvs - Nippon Spiraea	15.85
32 93 33 00-0581	EA	18" B&B Spiraea nipponica & cvs - Nippon Spiraea	14.53
32 93 33 00-0582	EA	24" B&B Spiraea nipponica & cvs - Nippon Spiraea	17.17
32 93 33 00-0583	EA	30" B&B Spiraea nipponica & cvs - Nippon Spiraea	19.81
32 93 33 00-0584	EA	36" B&B Spiraea nipponica & cvs - Nippon Spiraea	22.45
32 93 33 00-0585	EA	48" B&B Spiraea nipponica & cvs - Nippon Spiraea	29.06
32 93 33 00-0586	EA	1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	6.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0587 EA 2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	12.22	
32 93 33 00-0588 EA 4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	15.85	
32 93 33 00-0589 EA 18" B&B Spiraea x bumalda & cvs - Bumalda Spirea	13.87	
32 93 33 00-0590 EA 24" B&B Spiraea x bumalda & cvs - Bumalda Spirea	16.84	
32 93 33 00-0591 EA 30" B&B Spiraea x bumalda & cvs - Bumalda Spirea	19.81	
32 93 33 00-0592 EA 36" B&B Spiraea x bumalda & cvs - Bumalda Spirea	22.45	
32 93 33 00-0593 EA 5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea	15.85	
32 93 33 00-0594 EA 18" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	15.85	
32 93 33 00-0595 EA 24" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	18.49	
32 93 33 00-0596 EA 30" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	25.09	
32 93 33 00-0597 EA 36" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	29.06	
32 93 33 00-0598 EA 42" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	34.34	
32 93 33 00-0599 EA 5 Gallon Staphylea trifolia - Bladdernut	22.29	
32 93 33 00-0600 EA 2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	15.85	
32 93 33 00-0601 EA 5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	17.17	
32 93 33 00-0602 EA 24" B&B Stephanandra incisa & cvs - Cutleaf Stephanadra	19.81	
32 93 33 00-0603 EA 30" B&B Stephanandra incisa & cvs - Cutleaf Stephanadra	23.77	
32 93 33 00-0604 EA 2 Gallon Symphoricarpos albus - Common Snowberry	16.51	
32 93 33 00-0605 EA 5 Gallon Symphoricarpos albus - Common Snowberry	17.50	
32 93 33 00-0606 EA 24" B&B Syringa meyeri & cvs - Meyer Lilac	29.06	
32 93 33 00-0607 EA 30" B&B Syringa meyeri & cvs - Meyer Lilac	36.32	
32 93 33 00-0608 EA 36" B&B Syringa meyeri & cvs - Meyer Lilac	42.26	
32 93 33 00-0609 EA 42" B&B Syringa meyeri & cvs - Meyer Lilac	48.87	
32 93 33 00-0610 EA 18" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	29.06	
32 93 33 00-0611 EA 24" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	31.70	
32 93 33 00-0612 EA 30" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	36.32	
32 93 33 00-0613 EA 36" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	42.26	
32 93 33 00-0614 EA 42" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	48.87	
32 93 33 00-0615 EA 60" B&B Syringa villosa & cvs - Late Lilac	23.11	
32 93 33 00-0616 EA 72" B&B Syringa villosa & cvs - Late Lilac	25.09	
32 93 33 00-0617 EA 36" B&B Syringa vulgaris & cvs - Common Lilac	19.81	
32 93 33 00-0618 EA 42" B&B Syringa vulgaris & cvs - Common Lilac	22.45	
32 93 33 00-0619 EA 48" B&B Syringa vulgaris & cvs - Common Lilac	25.09	
32 93 33 00-0620 EA 60" B&B Syringa vulgaris & cvs - Common Lilac	29.06	
32 93 33 00-0621 EA 72" B&B Syringa vulgaris & cvs - Common Lilac	35.66	
32 93 33 00-0622 EA 5 Gallon Syringa x chinensis & cvs - Chinese Lilac	16.51	
32 93 33 00-0623 EA 36" B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac	19.15	
32 93 33 00-0624 EA 48" B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac	25.09	
32 93 33 00-0625 EA 48" B&B Taxus cuspidata capitata - Capitata Japanese Yew	105.00	
32 93 33 00-0626 EA 54" B&B Taxus cuspidata capitata - Capitata Japanese Yew	117.54	
32 93 33 00-0627 EA 60" B&B Taxus cuspidata capitata - Capitata Japanese Yew	129.43	
32 93 33 00-0628 EA 72" B&B Taxus cuspidata capitata - Capitata Japanese Yew	155.84	
32 93 33 00-0629 EA 18" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	27.73	
32 93 33 00-0630 EA 24" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	36.32	
32 93 33 00-0631 EA 30" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	42.26	
32 93 33 00-0632 EA 36" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	46.22	
32 93 33 00-0633 EA 15" B&B Taxus x media & cvs - Anglojap Yew	27.73	
32 93 33 00-0634 EA 18" B&B Taxus x media & cvs - Anglojap Yew	36.32	
32 93 33 00-0635 EA 24" B&B Taxus x media & cvs - Anglojap Yew	42.92	
32 93 33 00-0636 EA 30" B&B Taxus x media & cvs - Anglojap Yew	50.85	
32 93 33 00-0637 EA 36" B&B Taxus x media & cvs - Anglojap Yew	76.60	
32 93 33 00-0638 EA 36" B&B Thuja occidentalis & cvs - Upright Arborvitae	42.26	
32 93 33 00-0639 EA 48" B&B Thuja occidentalis & cvs - Upright Arborvitae	56.79	
32 93 33 00-0640 EA 60" B&B Thuja occidentalis & cvs - Upright Arborvitae	85.85	
32 93 33 00-0641 EA 72" B&B Thuja occidentalis & cvs - Upright Arborvitae	125.47	
32 93 33 00-0642 EA 84" B&B Thuja occidentalis & cvs - Upright Arborvitae	143.96	
32 93 33 00-0643 EA 96" B&B Thuja occidentalis & cvs - Upright Arborvitae	167.07	
32 93 33 00-0644 EA 15" B&B Thuja occidentalis cvs - Dwarf Arborvitae	18.49	
32 93 33 00-0645 EA 18" B&B Thuja occidentalis cvs - Dwarf Arborvitae	25.75	
32 93 33 00-0646 EA 24" B&B Thuja occidentalis cvs - Dwarf Arborvitae	36.32	
32 93 33 00-0647 EA 3' To 4' Viburnum dilatatum - Linden Viburnum	31.57	
32 93 33 00-0648 EA 4' To 5' Viburnum dilatatum - Linden Viburnum	48.17	
32 93 33 00-0649 EA 5' To 6' Viburnum dilatatum - Linden Viburnum	63.21	
32 93 33 00-0650 EA 1 Gallon Viburnum japonicum - Japanese Viburnum	3.83	
32 93 33 00-0651 EA 3 Gallon Viburnum japonicum - Japanese Viburnum	10.50	
32 93 33 00-0652 EA 5 Gallon Viburnum plicatum - Japanese Snowball	18.87	
32 93 33 00-0653 EA 5' To 6' Viburnum plicatum - Japanese Snowball	70.73	
32 93 33 00-0654 EA 2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	33.13	
32 93 33 00-0655 EA 3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	39.09	
32 93 33 00-0656 EA 4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	54.98	
32 93 33 00-0657 EA 30" B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	36.32	
32 93 33 00-0658 EA 36" B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	43.58	
32 93 33 00-0659 EA 24" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	33.02	
32 93 33 00-0660 EA 30" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	39.62	
32 93 33 00-0661 EA 36" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	46.22	
32 93 33 00-0662 EA 42" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	52.83	
32 93 33 00-0663 EA 36" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	18.49	
32 93 33 00-0664 EA 42" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	19.81	
32 93 33 00-0665 EA 48" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	23.11	
32 93 33 00-0666 EA 60" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	26.41	
32 93 33 00-0667 EA 72" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	29.06	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0668	EA	30" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	17.83
32 93 33 00-0669	EA	36" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	19.81
32 93 33 00-0670	EA	42" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	25.09
32 93 33 00-0671	EA	48" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	29.06
32 93 33 00-0672	EA	60" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	39.62
32 93 33 00-0673	EA	72" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	47.54
32 93 33 00-0674	EA	36" B&B Viburnum lentago & cvs - Nannyberry Viburnum	19.81
32 93 33 00-0675	EA	48" B&B Viburnum lentago & cvs - Nannyberry Viburnum	26.41
32 93 33 00-0676	EA	5' B&B Viburnum lentago & cvs - Nannyberry Viburnum	33.02
32 93 33 00-0677	EA	6' B&B Viburnum lentago & cvs - Nannyberry Viburnum	46.22
32 93 33 00-0678	EA	7' B&B Viburnum lentago & cvs - Nannyberry Viburnum	66.03
32 93 33 00-0679	EA	8' B&B Viburnum lentago & cvs - Nannyberry Viburnum	92.45
32 93 33 00-0680	EA	9' B&B Viburnum lentago & cvs - Nannyberry Viburnum	118.86
32 93 33 00-0681	EA	30" B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	23.77
32 93 33 00-0682	EA	36" B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	26.41
32 93 33 00-0683	EA	36" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	47.54
32 93 33 00-0684	EA	48" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	72.64
32 93 33 00-0685	EA	60" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	92.45
32 93 33 00-0686	EA	72" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	112.26
32 93 33 00-0687	EA	84" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	138.67
32 93 33 00-0688	EA	96" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	165.09
32 93 33 00-0689	EA	108" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	198.10
32 93 33 00-0690	EA	120" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	231.12
32 93 33 00-0691	EA	30" B&B Viburnum sargentii & cvs - Sargent Viburnum	20.14
32 93 33 00-0692	EA	36" B&B Viburnum sargentii & cvs - Sargent Viburnum	22.12
32 93 33 00-0693	EA	48" B&B Viburnum sargentii & cvs - Sargent Viburnum	25.09
32 93 33 00-0694	EA	60" B&B Viburnum sargentii & cvs - Sargent Viburnum	29.06
32 93 33 00-0695	EA	72" B&B Viburnum sargentii & cvs - Sargent Viburnum	33.35
32 93 33 00-0696	EA	18" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	19.15
32 93 33 00-0697	EA	24" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	23.11
32 93 33 00-0698	EA	30" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	27.73
32 93 33 00-0699	EA	36" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	31.70
32 93 33 00-0700	EA	42" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	38.30
32 93 33 00-0701	EA	48" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	42.26
32 93 33 00-0702	EA	30" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	33.02
32 93 33 00-0703	EA	36" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	39.62
32 93 33 00-0704	EA	42" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	46.22
32 93 33 00-0705	EA	48" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	52.83
32 93 33 00-0706	EA	60" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	59.43
32 93 33 00-0707	EA	30" B&B Viburnum x juddii & cvs - Judd Viburnum	42.26
32 93 33 00-0708	EA	36" B&B Viburnum x juddii & cvs - Judd Viburnum	47.54
32 93 33 00-0709	EA	42" B&B Viburnum x juddii & cvs - Judd Viburnum	54.15
32 93 33 00-0710	EA	48" B&B Viburnum x juddii & cvs - Judd Viburnum	62.07
32 93 33 00-0711	EA	2' To 3' Viburnum opulus "Roseum" - Fragrant Snowball	39.09
32 93 33 00-0712	EA	3' To 4' Viburnum opulus "Roseum" - Fragrant Snowball	48.17
32 93 33 00-0713	EA	4' To 5' Viburnum opulus "Roseum" - Fragrant Snowball	70.73
32 93 33 00-0714	EA	5 Gallon Weigela florida & cvs - Old Fashioned Weigela	21.79
32 93 33 00-0715	EA	24" B&B Weigela florida & cvs - Old Fashioned Weigela	19.81
32 93 33 00-0716	EA	30" B&B Weigela florida & cvs - Old Fashioned Weigela	22.45
32 93 33 00-0717	EA	36" B&B Weigela florida & cvs - Old Fashioned Weigela	25.09
32 93 33 00-0718	EA	42" B&B Weigela florida & cvs - Old Fashioned Weigela	29.06
32 93 33 00-0719	EA	48" B&B Weigela florida & cvs - Old Fashioned Weigela	33.02
32 93 33 00-0720	EA	1 Gallon Xylosma congestum - Shiny Xylosma	4.54
32 93 33 00-0721	EA	5 Gallon Xylosma congestum - Shiny Xylosma	12.84
32 93 33 00-0722	EA	15 Gallon Xylosma congestum - Shiny Xylosma	56.47
32 93 33 00-0723	EA	1 Gallon Yucca aloifolia - Spanish Bayonet	3.83
32 93 33 00-0724	EA	3 Gallon Yucca aloifolia - Spanish Bayonet	10.14
32 93 33 00-0725	EA	1 Gallon Yucca filamentosa - Adams Needle	5.32
32 93 33 00-0726	EA	3 Gallon Yucca filamentosa - Adams Needle	10.36
32 93 33 00-0727	EA	5 Gallon Yucca filamentosa - Adams Needle	16.39
32 93 33 00-0728	EA	5 Gallon Border Forsythia - Goldenbells	18.23
32 93 33 00-0729	EA	2' To 3' Border Forsythia - Goldenbells	15.04
32 93 33 00-0730	EA	3' To 4' Border Forsythia - Goldenbells	19.01
32 93 33 00-0731	EA	4' To 5' Border Forsythia - Goldenbells	23.69
32 93 33 00-0732	EA	5' To 6' Border Forsythia - Goldenbells	28.45
32 93 33 00-0733	EA	6' To 8' Border Forsythia - Goldenbells	39.09
32 93 33 00-0734	EA	3' Juniperus chinensis - Columnar Chinese Juniper	38.73
32 93 33 00-0735	EA	4' Juniperus chinensis - Columnar Chinese Juniper	53.16
32 93 33 00-0736	EA	5' Juniperus chinensis - Columnar Chinese Juniper	83.53
32 93 33 00-0737	EA	6' Juniperus chinensis - Columnar Chinese Juniper	97.20
32 93 33 00-0738	EA	7' Juniperus chinensis - Columnar Chinese Juniper	127.58
32 93 33 00-0739	EA	2 Gallon Chrysobalanus icaco - Cocoplum Red Tip	7.59
32 93 33 00-0740	EA	3 Gallon Chrysobalanus icaco - Cocoplum Red Tip	10.63
32 93 33 00-0741	EA	5 Gallon Chrysobalanus icaco - Cocoplum Red Tip	25.74
32 93 33 00-0742	EA	2 Gallon Chrysobalanus icaco - Cocoplum Green Tip	7.59
32 93 33 00-0743	EA	3 Gallon Chrysobalanus icaco - Cocoplum Green Tip	10.63

32 93 43 Trees (32 93)

Note: (cvs = cultivar) materials only.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 43 00-0001

Ornamental Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6'	Clump Form Acer ginnala & cvs - Amur Maple	117.80	
32 93 43 00-0003	EA	7'	Clump Form Acer ginnala & cvs - Amur Maple	143.98	
32 93 43 00-0004	EA	8'	Clump Form Acer ginnala & cvs - Amur Maple	163.61	
32 93 43 00-0005	EA	10'	Clump Form Acer ginnala & cvs - Amur Maple	189.79	
32 93 43 00-0006	EA	12'	Clump Form Acer ginnala & cvs - Amur Maple	215.96	
32 93 43 00-0007	EA	14'	Clump Form Acer ginnala & cvs - Amur Maple	255.23	
32 93 43 00-0008	EA	1-1/2" To 2"	Caliper Acer griseum - Paperbark Maple	341.30	
32 93 43 00-0009	EA	2"	To 2-1/2" Caliper Acer griseum - Paperbark Maple	418.84	
32 93 43 00-0010	EA	2-1/2" To 3"	Caliper Acer griseum - Paperbark Maple	523.55	
32 93 43 00-0011	EA	5'	Clump Form Acer griseum - Paperbark Maple	104.71	
32 93 43 00-0012	EA	1-1/2"	Caliper Aesculus californica - California Buckeye	261.77	
32 93 43 00-0013	EA	2"	Caliper Aesculus californica - California Buckeye	340.31	
32 93 43 00-0014	EA	2-1/2"	Caliper Aesculus californica - California Buckeye	392.66	
32 93 43 00-0015	EA	3"	Caliper Aesculus californica - California Buckeye	445.02	
32 93 43 00-0016	EA	3-1/2"	Caliper Aesculus californica - California Buckeye	523.55	
32 93 43 00-0017	EA	36"	B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	52.83	
32 93 43 00-0018	EA	48"	B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	66.03	
32 93 43 00-0019	EA	60"	B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	81.88	
32 93 43 00-0020	EA	60"	B&B Amelanchier arborea & cvs - Downy Serviceberry	66.03	
32 93 43 00-0021	EA	72"	B&B Amelanchier arborea & cvs - Downy Serviceberry	79.24	
32 93 43 00-0022	EA	7'	B&B Amelanchier arborea & cvs - Downy Serviceberry	92.45	
32 93 43 00-0023	EA	8'	B&B Amelanchier arborea & cvs - Downy Serviceberry	105.66	
32 93 43 00-0024	EA	5'	B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	118.86	
32 93 43 00-0025	EA	6'	B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	132.07	
32 93 43 00-0026	EA	7'	B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	151.88	
32 93 43 00-0027	EA	8'	B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	171.69	
32 93 43 00-0028	EA	9'	B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	198.10	
32 93 43 00-0029	EA	7'	B&B Amelanchier laevis & cvs - Allegheny Serviceberry	151.88	
32 93 43 00-0030	EA	8'	B&B Amelanchier laevis & cvs - Allegheny Serviceberry	178.29	
32 93 43 00-0031	EA	9'	B&B Amelanchier laevis & cvs - Allegheny Serviceberry	204.71	
32 93 43 00-0032	EA	10'	B&B Amelanchier laevis & cvs - Allegheny Serviceberry	224.52	
32 93 43 00-0033	EA	30"	B&B Amelanchier stolonifera & cvs - Running Serviceberry	52.83	
32 93 43 00-0034	EA	48"	B&B Amelanchier stolonifera & cvs - Running Serviceberry	112.26	
32 93 43 00-0035	EA	60"	B&B Amelanchier stolonifera & cvs - Running Serviceberry	145.28	
32 93 43 00-0036	EA	2'	To 4' Amelemchier - Juneberry	16.08	
32 93 43 00-0037	EA	4'	To 5' Amelemchier - Juneberry	16.87	
32 93 43 00-0038	EA	5'	To 6' Amelemchier - Juneberry	20.08	
32 93 43 00-0039	EA	6'	To 8' Amelemchier - Juneberry	23.96	
32 93 43 00-0040	EA	6'	Cercis occidentalis - Western Redbud	73.30	
32 93 43 00-0041	EA	8'	Cercis occidentalis - Western Redbud	100.85	
32 93 43 00-0042	EA	2-1/2"	Caliper Cercis occidentalis - Western Redbud	207.72	
32 93 43 00-0043	EA	3"	Caliper Cercis occidentalis - Western Redbud	252.87	
32 93 43 00-0044	EA	2'	To 3' Magnolia Virginiana - Sweetbay Magnolia	24.80	
32 93 43 00-0045	EA	3'	To 4' Magnolia Virginiana - Sweetbay Magnolia	37.21	
32 93 43 00-0046	EA	4'	To 5' Magnolia Virginiana - Sweetbay Magnolia	46.51	
32 93 43 00-0047	EA	5'	To 6' Magnolia Virginiana - Sweetbay Magnolia	57.93	
32 93 43 00-0048	EA	4'	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	98.17	
32 93 43 00-0049	EA	5'	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	130.89	
32 93 43 00-0050	EA	6'	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	170.15	
32 93 43 00-0051	EA	7'	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	189.79	
32 93 43 00-0052	EA	8'	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	229.05	
32 93 43 00-0053	EA	9'	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	255.23	
32 93 43 00-0054	EA	4'	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	98.17	
32 93 43 00-0055	EA	5'	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	130.89	
32 93 43 00-0056	EA	6'	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	170.15	
32 93 43 00-0057	EA	7'	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	189.79	
32 93 43 00-0058	EA	8'	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	229.05	
32 93 43 00-0059	EA	9'	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	255.23	
32 93 43 00-0060	EA	1	Gallon Platanus racemosa, Multi Trunk - Western Sycamore	8.15	
32 93 43 00-0061	EA	5	Gallon Platanus racemosa, Multi Trunk - Western Sycamore	34.52	
32 93 43 00-0062	EA	20	Gallon Prunus subhirtella - Flowering Cherry	92.03	
32 93 43 00-0063	EA	1-1/2" To 2"	Caliper Prunus subhirtella - Flowering Cherry	95.13	
32 93 43 00-0064	EA	2"	To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	118.90	
32 93 43 00-0065	EA	3-1/2" To 4"	Caliper Prunus subhirtella - Flowering Cherry	248.14	
32 93 43 00-0066	EA	3"	To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	191.25	
32 93 43 00-0067	EA	4"	To 5" Caliper Prunus subhirtella - Flowering Cherry	372.22	
32 93 43 00-0068	EA	5	Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	23.77	
32 93 43 00-0069	EA	15	Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	65.11	
32 93 43 00-0070	EA	20	Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	84.80	
32 93 43 00-0071	EA	5'	To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	26.87	
32 93 43 00-0072	EA	6'	To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	51.68	
32 93 43 00-0073	EA	1-1/2" To 2"	Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	95.13	
32 93 43 00-0074	EA	2"	To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	113.74	
32 93 43 00-0075	EA	1-1/2" To 1-3/4"	Caliper Prunus subhirtella - Weeping Cherry	74.46	
32 93 43 00-0076	EA	1-1/4" To 1-1/2"	Caliper Prunus subhirtella - Weeping Cherry	62.01	
32 93 43 00-0077	EA	1-3/4" To 2"	Caliper Prunus subhirtella - Weeping Cherry	90.95	
32 93 43 00-0078	EA	2"	To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	108.57	
32 93 43 00-0079	EA	2-1/2" To 3"	Caliper Prunus subhirtella - Weeping Cherry	139.58	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0080	EA	15 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	71.85	
32 93 43 00-0081	EA	20 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	89.82	
32 93 43 00-0082	EA	1-1/2" To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	93.41	
32 93 43 00-0083	EA	2" To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	111.37	
32 93 43 00-0084	EA	2-1/2" To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	150.89	
32 93 43 00-0085	EA	3" To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	197.60	
32 93 43 00-0086	EA	3-1/2" To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	251.49	
32 93 43 00-0087	EA	15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear.....	71.85	
32 93 43 00-0088	EA	20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear.....	89.82	
32 93 43 00-0089	EA	1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear.....	61.08	
32 93 43 00-0090	EA	2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear.....	93.41	
32 93 43 00-0091	EA	2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear.....	111.28	
32 93 43 00-0092	EA	3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear.....	150.89	
32 93 43 00-0093	EA	3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear.....	197.60	
32 93 43 00-0094	EA	1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear.....	130.89	
32 93 43 00-0095	EA	2" Caliper Pyrus calleryana & cvs - Callery Pear.....	163.61	
32 93 43 00-0096	EA	2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear.....	202.87	
32 93 43 00-0097	EA	3" Caliper Pyrus calleryana & cvs - Callery Pear.....	229.05	
32 93 43 00-0098	EA	3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear.....	255.23	
32 93 43 00-0099	EA	4" Caliper Pyrus calleryana & cvs - Callery Pear.....	327.22	
32 93 43 00-0100	EA	1 Gallon Ribes aureum - Golden Currant.....	7.13	
32 93 43 00-0101	EA	5 Gallon Ribes aureum - Golden Currant.....	20.40	
32 93 43 00-0102	EA	1 Gallon Ribes sanguineum - Red Flowering Currant.....	7.13	
32 93 43 00-0103	EA	5 Gallon Ribes sanguineum - Red Flowering Currant.....	20.40	
32 93 43 00-0104	EA	1 Gallon Ribes viburnifolium - Evergreen Currant.....	7.13	
32 93 43 00-0105	EA	5 Gallon Ribes viburnifolium - Evergreen Currant.....	20.40	
32 93 43 00-0106	EA	8" Cassia leptophlia - Gold Medallion Tree.....	195.61	
32 93 43 00-0107	EA	10" Cassia leptophlia - Gold Medallion Tree.....	248.28	
32 93 43 00-0108	EA	12" Cassia leptophlia - Gold Medallion Tree.....	300.94	
32 93 43 00-0109	EA	6" Magnolia grandiflora 'St. Mary's'.....	225.70	
32 93 43 00-0110	EA	8" Magnolia grandiflora 'St. Mary's'.....	398.75	
32 93 43 00-0111	EA	10" Magnolia grandiflora 'St. Mary's'.....	501.07	
32 93 43 00-0112	EA	12" Magnolia grandiflora 'St. Mary's'.....	601.88	
32 93 43 00-0113	EA	14" Magnolia grandiflora 'St. Mary's'.....	699.69	
32 93 43 00-0114	EA	16" Magnolia grandiflora 'St. Mary's'.....	827.58	
32 93 43 00-0115	EA	24" Box Magnolia grandiflora 'St. Mary's'.....	248.28	
32 93 43 00-0116	EA	6" Prunus cerasifera - Purple Leaf Plum.....	117.37	
32 93 43 00-0117	EA	8" Prunus cerasifera - Purple Leaf Plum.....	135.42	
32 93 43 00-0118	EA	10" Prunus cerasifera - Purple Leaf Plum.....	174.55	
32 93 43 00-0119	EA	24" Box Prunus cerasifera - Purple Leaf Plum.....	185.83	
32 93 43 00-0120	EA	30" Box Prunus cerasifera - Purple Leaf Plum.....	376.18	
32 93 43 00-0121	EA	36" Box Prunus cerasifera - Purple Leaf Plum.....	577.05	
32 93 43 00-0122	EA	6" Pittosporum phillyraeoides - Willow Pittorporum.....	245.27	
32 93 43 00-0123	EA	8" Pittosporum phillyraeoides - Willow Pittorporum.....	350.60	
32 93 43 00-0124	EA	10" Pittosporum phillyraeoides - Willow Pittorporum.....	419.81	
32 93 43 00-0125	EA	12" Pittosporum phillyraeoides - Willow Pittorporum.....	541.69	
32 93 43 00-0126	EA	6" Stenocarpus sinuatus - Firewheel Tree.....	361.13	
32 93 43 00-0127	EA	8" Stenocarpus sinuatus - Firewheel Tree.....	481.50	
32 93 43 00-0128	EA	10" Stenocarpus sinuatus - Firewheel Tree.....	601.88	
32 93 43 00-0129	EA	12" Stenocarpus sinuatus - Firewheel Tree.....	722.26	
32 93 43 00-0130	EA	24" Box Tabebuia ipi - Pink Trumpet.....	350.60	
32 93 43 00-0131	EA	36" Box Tabebuia ipi - Pink Trumpet.....	932.91	
32 93 43 00-0132	EA	1-1/2" Caliper Arbutus menziesii - Madrona.....	261.69	
32 93 43 00-0133	EA	2" Caliper Arbutus menziesii - Madrona.....	340.19	
32 93 43 00-0134	EA	2-1/2" Caliper Arbutus menziesii - Madrona.....	392.53	
32 93 43 00-0135	EA	3" Caliper Arbutus menziesii - Madrona.....	444.87	
32 93 43 00-0136	EA	3-1/2" Caliper Arbutus menziesii - Madrona.....	523.37	
32 93 43 00-0137	EA	1-1/2" Caliper Koelreuteria bipinnata - Chinese Lantern.....	180.56	
32 93 43 00-0138	EA	2" Caliper Koelreuteria bipinnata - Chinese Lantern.....	293.42	
32 93 43 00-0139	EA	2-1/2" Caliper Koelreuteria bipinnata - Chinese Lantern.....	361.13	
32 93 43 00-0140	EA	3" Caliper Koelreuteria bipinnata - Chinese Lantern.....	398.75	
32 93 43 00-0141	EA	24" Box Koelreuteria bipinnata - Chinese Lantern.....	176.05	
32 93 43 00-0142	EA	30" Box Koelreuteria bipinnata - Chinese Lantern.....	406.27	
32 93 43 00-0143	EA	36" Box Koelreuteria bipinnata - Chinese Lantern.....	635.74	
32 93 43 00-0144	EA	1-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree.....	164.01	
32 93 43 00-0145	EA	2" Cliber Koelreuteria paniculata - Golden Rain Tree.....	266.33	
32 93 43 00-0146	EA	2-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree.....	326.52	
32 93 43 00-0147	EA	3" Cliber Koelreuteria paniculata - Golden Rain Tree.....	368.65	
32 93 43 00-0148	EA	6" Magnolia grandiflora - Southern Magnolia.....	111.35	
32 93 43 00-0149	EA	7" Magnolia grandiflora - Southern Magnolia.....	168.53	
32 93 43 00-0150	EA	8" Magnolia grandiflora - Southern Magnolia.....	236.24	
32 93 43 00-0151	EA	9" Magnolia grandiflora - Southern Magnolia.....	314.48	
32 93 43 00-0152	EA	10" Magnolia grandiflora - Southern Magnolia.....	478.49	
32 93 43 00-0153	EA	24" Box Magnolia grandiflora - Southern Magnolia.....	195.61	
32 93 43 00-0154	EA	1-1/2" Caliper Tipuana tipu - Tipu Tree.....	233.23	
32 93 43 00-0155	EA	2" Caliper Tipuana tipu - Tipu Tree.....	303.95	
32 93 43 00-0156	EA	2-1/2" Caliper Tipuana tipu - Tipu Tree.....	385.20	
32 93 43 00-0157	EA	3" Caliper Tipuana tipu - Tipu Tree.....	443.89	
32 93 43 00-0158	EA	3-1/2" Caliper Tipuana tipu - Tipu Tree.....	653.04	
32 93 43 00-0159	EA	4" Caliper Tipuana tipu - Tipu Tree.....	872.73	
32 93 43 00-0160	EA	24" Box Tipuana tipu - Tipu Tree.....	176.05	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0161	EA		6' Albizia julibrissin - Silk Tree	361.13	
32 93 43 00-0162	EA		8' Albizia julibrissin - Silk Tree	481.50	
32 93 43 00-0163	EA		10' Albizia julibrissin - Silk Tree	601.88	
32 93 43 00-0164	EA		12' Albizia julibrissin - Silk Tree	722.26	
32 93 43 00-0165	EA		6' Brachychiton acerifolius - Flame Tree	361.13	
32 93 43 00-0166	EA		8' Brachychiton acerifolius - Flame Tree	481.50	
32 93 43 00-0167	EA		10' Brachychiton acerifolius - Flame Tree	601.88	
32 93 43 00-0168	EA		12' Brachychiton acerifolius - Flame Tree	722.26	
32 93 43 00-0169	EA		1-1/2" Caliper Chilopsis linearis - Desert Willow	291.91	
32 93 43 00-0170	EA		2" Caliper Chilopsis linearis - Desert Willow	350.60	
32 93 43 00-0171	EA		2-1/2" Caliper Chilopsis linearis - Desert Willow	373.17	
32 93 43 00-0172	EA		3" Caliper Chilopsis linearis - Desert Willow	413.79	
32 93 43 00-0173	EA		5 Gallon Chionanthus retusus - Chinese Fringe Tree	15.05	
32 93 43 00-0174	EA		15 Gallon Chionanthus retusus - Chinese Fringe Tree	60.19	
32 93 43 00-0175	EA		24" Box Chionanthus retusus - Chinese Fringe Tree	300.94	
32 93 43 00-0176	EA		5 Gallon Calodendrum capense - Cape Chestnut	22.57	
32 93 43 00-0177	EA		15 Gallon Calodendrum capense - Cape Chestnut	90.28	
32 93 43 00-0178	EA		24" Box Calodendrum capense - Cape Chestnut	338.56	
32 93 43 00-0179	EA		6' Chionanthus virginicus - White Fringe Tree	180.56	
32 93 43 00-0180	EA		8' Chionanthus virginicus - White Fringe Tree	210.73	
32 93 43 00-0181	EA		10' Chionanthus virginicus - White Fringe Tree	293.51	
32 93 43 00-0182	EA		15 Gallon Geijera parvifolia - Australian Willow	90.31	
32 93 43 00-0183	EA		24" Box Geijera parvifolia - Australian Willow	185.89	
32 93 43 00-0184	EA		30" Box Geijera parvifolia - Australian Willow	346.20	
32 93 43 00-0185	EA		36" Box Geijera parvifolia - Australian Willow	496.72	
32 93 43 00-0186	EA		1-1/2" Caliper Ginkgo Biloba - Maidenhair Tree	267.93	
32 93 43 00-0187	EA		2" Caliper Ginkgo Biloba - Maidenhair Tree	373.29	
32 93 43 00-0188	EA		2-1/2" Caliper Ginkgo Biloba - Maidenhair Tree	450.05	
32 93 43 00-0189	EA		3" Caliper Ginkgo Biloba - Maidenhair Tree	525.31	
32 93 43 00-0190	EA		3-1/2" Caliper Ginkgo Biloba - Maidenhair Tree	687.88	
32 93 43 00-0191	EA		4" Caliper Ginkgo Biloba - Maidenhair Tree	734.54	
32 93 43 00-0192	EA		4-1/2" Caliper Ginkgo Biloba - Maidenhair Tree	782.70	
32 93 43 00-0193	EA		24" Box Ginkgo Biloba - Maidenhair Tree	244.60	
32 93 43 00-0194	EA		15 Gallon Sapium sebiferum - Chinese Tallow Tree	90.31	
32 93 43 00-0195	EA		24" Box Sapium sebiferum - Chinese Tallow Tree	331.14	
32 93 43 00-0196	EA		4' To 5' Lagerstroemia indica - Crape Myrtle	96.33	
32 93 43 00-0197	EA		6' Lagerstroemia indica - Crape Myrtle	179.12	
32 93 43 00-0198	EA		8' Lagerstroemia indica - Crape Myrtle	185.14	
32 93 43 00-0199	EA		10' Lagerstroemia indica - Crape Myrtle	224.27	
32 93 43 00-0200	EA		24" Box Lagerstroemia indica - Crape Myrtle	176.11	

32 93 43 00-0201

Shade Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0202	EA		3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple	292.02	
32 93 43 00-0203	EA		4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple	357.96	
32 93 43 00-0204	EA		4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple	466.29	
32 93 43 00-0205	EA		5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple	604.45	
32 93 43 00-0206	EA		2' To 2-1/2" Acer palmatum - Japanese Maple	30.80	
32 93 43 00-0207	EA		4' To 5" Acer palmatum - Japanese Maple	64.68	
32 93 43 00-0208	EA		5' To 6" Acer palmatum - Japanese Maple	84.70	
32 93 43 00-0209	EA		6' To 7" Acer palmatum - Japanese Maple	154.00	
32 93 43 00-0210	EA		7' To 8" Acer palmatum - Japanese Maple	215.60	
32 93 43 00-0211	EA		8' To 10' Acer palmatum - Japanese Maple	277.21	
32 93 43 00-0212	EA		10' To 12" Acer palmatum - Japanese Maple	369.61	
32 93 43 00-0213	EA		2" Caliper Acer platanoides & cvs - Norway Maple	157.00	
32 93 43 00-0214	EA		2" Caliper Acer platanoides & cvs - Norway Maple	191.13	
32 93 43 00-0215	EA		3" Caliper Acer platanoides & cvs - Norway Maple	245.74	
32 93 43 00-0216	EA		3-1/2" Caliper Acer platanoides & cvs - Norway Maple	286.70	
32 93 43 00-0217	EA		4" Caliper Acer platanoides & cvs - Norway Maple	307.17	
32 93 43 00-0218	EA		4-1/2" Caliper Acer platanoides & cvs - Norway Maple	334.48	
32 93 43 00-0219	EA		5" Caliper Acer platanoides & cvs - Norway Maple	375.43	
32 93 43 00-0220	EA		2" Caliper Acer rubrum & cvs - Red Maple	150.17	
32 93 43 00-0221	EA		2-1/2" Caliper Acer rubrum & cvs - Red Maple	191.13	
32 93 43 00-0222	EA		3" Caliper Acer rubrum & cvs - Red Maple	245.74	
32 93 43 00-0223	EA		3-1/2" Caliper Acer rubrum & cvs - Red Maple	300.35	
32 93 43 00-0224	EA		4" Caliper Acer rubrum & cvs - Red Maple	341.30	
32 93 43 00-0225	EA		4-1/2" Caliper Acer rubrum & cvs - Red Maple	395.91	
32 93 43 00-0226	EA		5" Caliper Acer rubrum & cvs - Red Maple	443.70	
32 93 43 00-0227	EA		8' Clump Form Acer rubrum & cvs - Red Maple	184.30	
32 93 43 00-0228	EA		10' Clump Form Acer rubrum & cvs - Red Maple	245.74	
32 93 43 00-0229	EA		12' Clump Form Acer rubrum & cvs - Red Maple	286.70	
32 93 43 00-0230	EA		14' Clump Form Acer rubrum & cvs - Red Maple	327.65	
32 93 43 00-0231	EA		16' Clump Form Acer rubrum & cvs - Red Maple	368.61	
32 93 43 00-0232	EA		18' Clump Form Acer rubrum & cvs - Red Maple	409.57	
32 93 43 00-0233	EA		2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	238.91	
32 93 43 00-0234	EA		2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	266.22	
32 93 43 00-0235	EA		3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	300.35	
32 93 43 00-0236	EA		3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	341.30	
32 93 43 00-0237	EA		4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	409.57	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0238	EA	2" Caliper Betula nigra - River Birch	170.65	
32 93 43 00-0239	EA	2-1/2" Caliper Betula nigra - River Birch	193.25	
32 93 43 00-0240	EA	3" Caliper Betula nigra - River Birch	218.43	
32 93 43 00-0241	EA	3-1/2" Caliper Betula nigra - River Birch	273.04	
32 93 43 00-0242	EA	4" Caliper Betula nigra - River Birch	307.17	
32 93 43 00-0243	EA	4-1/2" Caliper Betula nigra - River Birch	341.30	
32 93 43 00-0244	EA	5" Caliper Betula nigra - River Birch	375.43	
32 93 43 00-0245	EA	8' Clump Form Betula nigra - River Birch	157.00	
32 93 43 00-0246	EA	10' Clump Form Betula nigra - River Birch	177.48	
32 93 43 00-0247	EA	12' Clump Form Betula nigra - River Birch	204.78	
32 93 43 00-0248	EA	14' Clump Form Betula nigra - River Birch	238.91	
32 93 43 00-0249	EA	16' Clump Form Betula nigra - River Birch	273.04	
32 93 43 00-0250	EA	12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	204.78	
32 93 43 00-0251	EA	14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	245.74	
32 93 43 00-0252	EA	16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	286.70	
32 93 43 00-0253	EA	18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	341.30	
32 93 43 00-0254	EA	20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	354.96	
32 93 43 00-0255	EA	2" Caliper Carpinus betulus & cvs - European Hornbeam	273.04	
32 93 43 00-0256	EA	2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	307.17	
32 93 43 00-0257	EA	3" Caliper Carpinus betulus & cvs - European Hornbeam	354.96	
32 93 43 00-0258	EA	3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	430.04	
32 93 43 00-0259	EA	6' Clump Form Carpinus betulus & cvs - European Hornbeam	122.87	
32 93 43 00-0260	EA	7' Clump Form Carpinus betulus & cvs - European Hornbeam	170.65	
32 93 43 00-0261	EA	8' Clump Form Carpinus betulus & cvs - European Hornbeam	211.61	
32 93 43 00-0262	EA	2" Caliper Catalpa speciosa - Western Catalpa	150.17	
32 93 43 00-0263	EA	2-1/2" Caliper Catalpa speciosa - Western Catalpa	204.78	
32 93 43 00-0264	EA	3" Caliper Catalpa speciosa - Western Catalpa	266.22	
32 93 43 00-0265	EA	3-1/2" Caliper Catalpa speciosa - Western Catalpa	320.83	
32 93 43 00-0266	EA	4" Caliper Catalpa speciosa - Western Catalpa	368.61	
32 93 43 00-0267	EA	8' Clump Form Corylus cornuta californica - Western Filbert	191.13	
32 93 43 00-0268	EA	10' Clump Form Corylus cornuta californica - Western Filbert	232.09	
32 93 43 00-0269	EA	12' Clump Form Corylus cornuta californica - Western Filbert	273.04	
32 93 43 00-0270	EA	1-1/2" Caliper Diospyros - Persimmon	122.87	
32 93 43 00-0271	EA	2" Caliper Diospyros - Persimmon	150.17	
32 93 43 00-0272	EA	2-1/2" Caliper Diospyros - Persimmon	191.13	
32 93 43 00-0273	EA	3" Caliper Diospyros - Persimmon	238.91	
32 93 43 00-0274	EA	3-1/2" Caliper Diospyros - Persimmon	286.70	
32 93 43 00-0275	EA	2" Caliper Fagus sylvatica & cvs - European Beech	307.17	
32 93 43 00-0276	EA	2-1/2" Caliper Fagus sylvatica & cvs - European Beech	368.61	
32 93 43 00-0277	EA	3" Caliper Fagus sylvatica & cvs - European Beech	443.70	
32 93 43 00-0278	EA	3-1/2" Caliper Fagus sylvatica & cvs - European Beech	491.48	
32 93 43 00-0279	EA	4" Caliper Fagus sylvatica & cvs - European Beech	580.22	
32 93 43 00-0280	EA	4-1/2" Caliper Fagus sylvatica & cvs - European Beech	750.87	
32 93 43 00-0281	EA	5" Caliper Fagus sylvatica & cvs - European Beech	887.39	
32 93 43 00-0282	EA	2" Caliper Fraxinus americana & cvs - White Ash	170.65	
32 93 43 00-0283	EA	2-1/2" Caliper Fraxinus americana & cvs - White Ash	204.78	
32 93 43 00-0284	EA	3" Caliper Fraxinus americana & cvs - White Ash	259.39	
32 93 43 00-0285	EA	3-1/2" Caliper Fraxinus americana & cvs - White Ash	314.00	
32 93 43 00-0286	EA	4" Caliper Fraxinus americana & cvs - White Ash	368.61	
32 93 43 00-0287	EA	4-1/2" Caliper Fraxinus americana & cvs - White Ash	409.57	
32 93 43 00-0288	EA	5" Caliper Fraxinus americana & cvs - White Ash	477.83	
32 93 43 00-0289	EA	1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	238.91	
32 93 43 00-0290	EA	2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	266.22	
32 93 43 00-0291	EA	2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	300.35	
32 93 43 00-0292	EA	3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	334.48	
32 93 43 00-0293	EA	3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	375.43	
32 93 43 00-0294	EA	4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	409.57	
32 93 43 00-0295	EA	4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	614.35	
32 93 43 00-0296	EA	5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	682.61	
32 93 43 00-0297	EA	2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	163.83	
32 93 43 00-0298	EA	2-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	204.78	
32 93 43 00-0299	EA	3" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	245.74	
32 93 43 00-0300	EA	3-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	286.70	
32 93 43 00-0301	EA	4" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	327.65	
32 93 43 00-0302	EA	4-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	368.61	
32 93 43 00-0303	EA	5" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	436.87	
32 93 43 00-0304	EA	10' - 12' Bursera Simaruba - Gumbo Limbo	86.35	
32 93 43 00-0305	EA	12' - 14' Bursera Simaruba - Gumbo Limbo	102.05	
32 93 43 00-0306	EA	14' - 16' Bursera Simaruba - Gumbo Limbo	141.30	
32 93 43 00-0307	EA	17' - 18' Bursera Simaruba - Gumbo Limbo	183.69	
32 93 43 00-0308	EA	19' - 20' Bursera Simaruba - Gumbo Limbo	204.10	
32 93 43 00-0309	EA	21' - 22' Bursera Simaruba - Gumbo Limbo	241.78	
32 93 43 00-0310	EA	1-1/2" Caliper Juglans californica - California Walnut	163.83	
32 93 43 00-0311	EA	2" Caliper Juglans californica - California Walnut	191.13	
32 93 43 00-0312	EA	2-1/2" Caliper Juglans californica - California Walnut	238.91	
32 93 43 00-0313	EA	3" Caliper Juglans californica - California Walnut	300.35	
32 93 43 00-0314	EA	3-1/2" Caliper Juglans californica - California Walnut	368.61	
32 93 43 00-0315	EA	4" Caliper Juglans californica - California Walnut	443.70	
32 93 43 00-0316	EA	4-1/2" Caliper Juglans californica - California Walnut	511.96	
32 93 43 00-0317	EA	5" Caliper Juglans californica - California Walnut	580.22	
32 93 43 00-0318	EA	5 Gallon Koelreuteria Paniculata - Goldenrain Tree	18.48	



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 93 43 00-0319	EA	15 Gallon Koelreuteria Paniculata - Goldenrain Tree		46.20	
32 93 43 00-0320	EA	20 Gallon Koelreuteria Paniculata - Goldenrain Tree		92.40	
32 93 43 00-0321	EA	55 Gallon Koelreuteria Paniculata - Goldenrain Tree		120.12	
32 93 43 00-0322	EA	1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree		87.78	
32 93 43 00-0323	EA	2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree		106.26	
32 93 43 00-0324	EA	2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree		147.84	
32 93 43 00-0325	EA	1-1/2" Caliper Liquidambar styraciflua - American Sweetgum		218.43	
32 93 43 00-0326	EA	2" Caliper Liquidambar styraciflua - American Sweetgum		273.04	
32 93 43 00-0327	EA	2-1/2" Caliper Liquidambar styraciflua - American Sweetgum		341.30	
32 93 43 00-0328	EA	3" Caliper Liquidambar styraciflua - American Sweetgum		409.57	
32 93 43 00-0329	EA	3-1/2" Caliper Liquidambar styraciflua - American Sweetgum		477.83	
32 93 43 00-0330	EA	1-1/2" Caliper Liriodendron tulipifera - Tulip Tree		218.43	
32 93 43 00-0331	EA	2" Caliper Liriodendron tulipifera - Tulip Tree		300.35	
32 93 43 00-0332	EA	2-1/2" Caliper Liriodendron tulipifera - Tulip Tree		354.96	
32 93 43 00-0333	EA	3" Caliper Liriodendron tulipifera - Tulip Tree		409.57	
32 93 43 00-0334	EA	3-1/2" Caliper Liriodendron tulipifera - Tulip Tree		464.17	
32 93 43 00-0335	EA	8' Clump Form Liriodendron tulipifera - Tulip Tree		163.83	
32 93 43 00-0336	EA	10' Clump Form Liriodendron tulipifera - Tulip Tree		293.52	
32 93 43 00-0337	EA	12' Clump Form Liriodendron tulipifera - Tulip Tree		354.96	
32 93 43 00-0338	EA	1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum		218.43	
32 93 43 00-0339	EA	2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum		273.04	
32 93 43 00-0340	EA	2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum		341.30	
32 93 43 00-0341	EA	3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum		409.57	
32 93 43 00-0342	EA	3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum		477.83	
32 93 43 00-0343	EA	4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum		95.57	
32 93 43 00-0344	EA	5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum		109.22	
32 93 43 00-0345	EA	6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum		129.70	
32 93 43 00-0346	EA	7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum		163.83	
32 93 43 00-0347	EA	8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum		204.78	
32 93 43 00-0348	EA	30" Box Platanus Occidentalis - Buttonwood Sycamore		296.56	
32 93 43 00-0349	EA	36" Box Platanus Occidentalis - Buttonwood Sycamore		431.36	
32 93 43 00-0350	EA	42" Box Platanus occidentalis - Buttonwood Sycamore		641.68	
32 93 43 00-0351	EA	1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore		99.23	
32 93 43 00-0352	EA	2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore		118.63	
32 93 43 00-0353	EA	2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore		161.76	
32 93 43 00-0354	EA	3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore		196.30	
32 93 43 00-0355	EA	8' To 10' Platanus occidentalis - Green Or Silver Buttonwood		81.64	
32 93 43 00-0356	EA	10' To 12' Platanus occidentalis - Green Or Silver Buttonwood		102.05	
32 93 43 00-0357	EA	12' To 14' Platanus occidentalis - Green Or Silver Buttonwood		180.55	
32 93 43 00-0358	EA	16' To 18' Platanus occidentalis - Green Or Silver Buttonwood		259.05	
32 93 43 00-0359	EA	2" Caliper Platanus x acerifolia & cvs - London Planetree		163.83	
32 93 43 00-0360	EA	2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree		197.96	
32 93 43 00-0361	EA	3" Caliper Platanus x acerifolia & cvs - London Planetree		238.91	
32 93 43 00-0362	EA	3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree		286.70	
32 93 43 00-0363	EA	4" Caliper Platanus x acerifolia & cvs - London Planetree		341.30	
32 93 43 00-0364	EA	2" Caliper Populus alba & cvs - White Poplar		163.83	
32 93 43 00-0365	EA	2-1/2" Caliper Populus alba & cvs - White Poplar		191.13	
32 93 43 00-0366	EA	3" Caliper Populus alba & cvs - White Poplar		218.43	
32 93 43 00-0367	EA	3-1/2" Caliper Populus alba & cvs - White Poplar		259.39	
32 93 43 00-0368	EA	4" Caliper Populus alba & cvs - White Poplar		286.70	
32 93 43 00-0369	EA	4-1/2" Caliper Populus alba & cvs - White Poplar		327.65	
32 93 43 00-0370	EA	2" Caliper Populus deltooides & cvs - Eastern Cottonwood		150.17	
32 93 43 00-0371	EA	2-1/2" Caliper Populus deltooides & cvs - Eastern Cottonwood		197.96	
32 93 43 00-0372	EA	3" Caliper Populus deltooides & cvs - Eastern Cottonwood		238.91	
32 93 43 00-0373	EA	3-1/2" Caliper Populus deltooides & cvs - Eastern Cottonwood		286.70	
32 93 43 00-0374	EA	4" Caliper Populus deltooides & cvs - Eastern Cottonwood		341.30	
32 93 43 00-0375	EA	2" Caliper Quercus palustris - Pin Oak		150.17	
32 93 43 00-0376	EA	2-1/2" Caliper Quercus palustris - Pin Oak		204.78	
32 93 43 00-0377	EA	3" Caliper Quercus palustris - Pin Oak		266.22	
32 93 43 00-0378	EA	3-1/2" Caliper Quercus palustris - Pin Oak		307.17	
32 93 43 00-0379	EA	4" Caliper Quercus palustris - Pin Oak		354.96	
32 93 43 00-0380	EA	4-1/2" Caliper Quercus palustris - Pin Oak		402.74	
32 93 43 00-0381	EA	5" Caliper Quercus palustris - Pin Oak		443.70	
32 93 43 00-0382	EA	2" Caliper Quercus shumardii - Shumard Oak		232.09	
32 93 43 00-0383	EA	2-1/2" Caliper Quercus shumardii - Shumard Oak		293.52	
32 93 43 00-0384	EA	3" Caliper Quercus shumardii - Shumard Oak		341.30	
32 93 43 00-0385	EA	3-1/2" Caliper Quercus shumardii - Shumard Oak		409.57	
32 93 43 00-0386	EA	4" Caliper Quercus shumardii - Shumard Oak		477.83	
32 93 43 00-0387	EA	4-1/2" Caliper Quercus shumardii - Shumard Oak		546.09	
32 93 43 00-0388	EA	5" Caliper Quercus shumardii - Shumard Oak		614.35	
32 93 43 00-0389	EA	24" Box Salix babylonica - Weeping Willow		172.54	
32 93 43 00-0390	EA	36" Box Salix babylonica - Weeping Willow		431.36	
32 93 43 00-0391	EA	1-1/2" To 2" Caliper Salix babylonica - Weeping Willow		99.23	
32 93 43 00-0392	EA	2" To 2-1/2" Caliper Salix babylonica - Weeping Willow		118.63	
32 93 43 00-0393	EA	2-1/2" To 3" Caliper Salix babylonica - Weeping Willow		129.41	
32 93 43 00-0394	EA	2' Thuja occidentalis - American Arborvitae		23.39	
32 93 43 00-0395	EA	2-1/2' Thuja occidentalis - American Arborvitae		25.28	
32 93 43 00-0396	EA	3' Thuja occidentalis - American Arborvitae		36.11	
32 93 43 00-0397	EA	4' Thuja occidentalis - American Arborvitae		49.61	
32 93 43 00-0398	EA	5' Thuja occidentalis - American Arborvitae		69.08	
32 93 43 00-0399	EA	6' Thuja occidentalis - American Arborvitae		95.77	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0400	EA	7' Thuja occidentalis - American Arborvitae	116.18
32 93 43 00-0401	EA	8' Thuja occidentalis - American Arborvitae	163.28
32 93 43 00-0402	EA	2" Caliper Tilia cordata & cvs - Littleleaf Linden	171.68
32 93 43 00-0403	EA	2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	207.38
32 93 43 00-0404	EA	3" Caliper Tilia cordata & cvs - Littleleaf Linden	238.91
32 93 43 00-0405	EA	3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	293.52
32 93 43 00-0406	EA	4" Caliper Tilia cordata & cvs - Littleleaf Linden	334.48
32 93 43 00-0407	EA	4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	375.43
32 93 43 00-0408	EA	5" Caliper Tilia cordata & cvs - Littleleaf Linden	416.39
32 93 43 00-0409	EA	2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	191.13
32 93 43 00-0410	EA	2-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	218.43
32 93 43 00-0411	EA	3" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	238.91
32 93 43 00-0412	EA	3-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	259.39
32 93 43 00-0413	EA	4" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	286.70
32 93 43 00-0414	EA	4-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	341.30
32 93 43 00-0415	EA	5" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	402.74
32 93 43 00-0416	EA	2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	218.43
32 93 43 00-0417	EA	2-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	238.91
32 93 43 00-0418	EA	3" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	259.39
32 93 43 00-0419	EA	3-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	286.70
32 93 43 00-0420	EA	4" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	341.30
32 93 43 00-0421	EA	4-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	402.74
32 93 43 00-0422	EA	5" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	464.17
32 93 43 00-0423	EA	2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	218.43
32 93 43 00-0424	EA	2-1/2" Mary-Louise Parker Ulmus x 'Regal' - Regal Hybrid Elm	238.91
32 93 43 00-0425	EA	3" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	259.39
32 93 43 00-0426	EA	3-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	286.70
32 93 43 00-0427	EA	4" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	341.30
32 93 43 00-0428	EA	4-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	402.74
32 93 43 00-0429	EA	5" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	464.17
32 93 43 00-0430	EA	1-1/2" To 2" Caliper Platanus acerifolia "Bloodgold" - London Plane	139.98
32 93 43 00-0431	EA	2" To 2-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	249.86
32 93 43 00-0432	EA	2-1/2" To 3" Caliper Platanus acerifolia "Bloodgold" - London Plane	365.76
32 93 43 00-0433	EA	3" To 3-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	454.57
32 93 43 00-0434	EA	3-1/2" To 4" Caliper Platanus acerifolia "Bloodgold" - London Plane	588.53
32 93 43 00-0435	EA	4" To 5" Caliper Platanus acerifolia "Bloodgold" - London Plane	669.81
32 93 43 00-0436	EA	24" Box Platanus acerifolia "Bloodgold" - London Plane	176.11
32 93 43 00-0437	EA	1-1/2" Caliper Quercus suber - Cork Oak	210.73
32 93 43 00-0438	EA	2" Caliper Quercus suber - Cork Oak	292.01
32 93 43 00-0439	EA	2-1/2" Caliper Quercus suber - Cork Oak	373.29
32 93 43 00-0440	EA	3" Caliper Quercus suber - Cork Oak	466.61
32 93 43 00-0441	EA	3-1/2" Caliper Quercus suber - Cork Oak	699.92
32 93 43 00-0442	EA	4" Caliper Quercus suber - Cork Oak	903.12
32 93 43 00-0443	EA	4-1/2" Caliper Quercus suber - Cork Oak	1,174.06
32 93 43 00-0444	EA	1-1/2" Caliper Quercus ilex - Holly Oak	233.31
32 93 43 00-0445	EA	2" Caliper Quercus ilex - Holly Oak	314.59
32 93 43 00-0446	EA	2-1/2" Caliper Quercus ilex - Holly Oak	385.33
32 93 43 00-0447	EA	3" Caliper Quercus ilex - Holly Oak	466.61
32 93 43 00-0448	EA	3-1/2" Caliper Quercus ilex - Holly Oak	699.92
32 93 43 00-0449	EA	4" Caliper Quercus ilex - Holly Oak	903.12

32 93 43 00-0450**Evergreen Trees (22 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0451	EA	2' To 3' Cedrus atlantica - Blue Atlas Cedar	14.56
32 93 43 00-0452	EA	3' To 4' Cedrus atlantica - Blue Atlas Cedar	23.40
32 93 43 00-0453	EA	4' To 5' Cedrus atlantica - Blue Atlas Cedar	34.77
32 93 43 00-0454	EA	5' To 6' Cedrus atlantica - Blue Atlas Cedar	46.77
32 93 43 00-0455	EA	7' To 8' Cedrus atlantica - Blue Atlas Cedar	66.41
32 93 43 00-0456	EA	5 Gallon Cedrus deodara - Indian Cedar	8.33
32 93 43 00-0457	EA	6' To 8' Cedrus deodara - Indian Cedar	60.09
32 93 43 00-0458	EA	8' To 10' Cedrus deodara - Indian Cedar	69.57
32 93 43 00-0459	EA	10' To 12' Cedrus deodara - Indian Cedar	94.85
32 93 43 00-0460	EA	12' To 14' Cedrus deodara - Indian Cedar	123.30
32 93 43 00-0461	EA	14' To 16' Cedrus deodara - Indian Cedar	158.10
32 93 43 00-0462	EA	15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress	18.78
32 93 43 00-0463	EA	18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress	28.17
32 93 43 00-0464	EA	2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress	43.83
32 93 43 00-0465	EA	3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress	75.13
32 93 43 00-0466	EA	5 Gallon Cupressocyparis leylandii - Leyland Cypress	10.33
32 93 43 00-0467	EA	15 Gallon Cupressocyparis leylandii - Leyland Cypress	41.33
32 93 43 00-0468	EA	4' To 5' Cupressocyparis leylandii - Leyland Cypress	18.08
32 93 43 00-0469	EA	5' To 6' Cupressocyparis leylandii - Leyland Cypress	23.25
32 93 43 00-0470	EA	6' To 7' Cupressocyparis leylandii - Leyland Cypress	36.17
32 93 43 00-0471	EA	24" Box Cupressocyparis leylandii - Leyland Cypress	87.83
32 93 43 00-0472	EA	1 Gallon Cupressus macrocarpa - Monterey Cypress	1.88
32 93 43 00-0473	EA	5 Gallon Cupressus macrocarpa - Monterey Cypress	8.48
32 93 43 00-0474	EA	15 Gallon Cupressus macrocarpa - Monterey Cypress	28.26
32 93 43 00-0475	EA	5 Gallon Cupressus sempervirens - Italian Cypress	9.73
32 93 43 00-0476	EA	15 Gallon Cupressus sempervirens - Italian Cypress	26.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0477 EA 1 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	2.86	
32 93 43 00-0478 EA 2 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	5.59	
32 93 43 00-0479 EA 3 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	6.93	
32 93 43 00-0480 EA 5 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	8.14	
32 93 43 00-0481 EA 1 Gallon Juniperus - Blue Sargent Juniper	2.86	
32 93 43 00-0482 EA 2 Gallon Juniperus - Blue Sargent Juniper	5.59	
32 93 43 00-0483 EA 3 Gallon Juniperus - Blue Sargent Juniper	6.93	
32 93 43 00-0484 EA 5 Gallon Juniperus - Blue Sargent Juniper	8.14	
32 93 43 00-0485 EA 5 Gallon Juniperus - Compact Pfitzer Juniper.....	8.14	
32 93 43 00-0486 EA 15" To 18" Juniperus - Compact Pfitzer Juniper	8.81	
32 93 43 00-0487 EA 18" To 24" Juniperus - Compact Pfitzer Juniper	10.64	
32 93 43 00-0488 EA 2' To 2 1/2' Juniperus - Compact Pfitzer Juniper	15.80	
32 93 43 00-0489 EA 2-1/2' To 3' Juniperus - Compact Pfitzer Juniper	18.30	
32 93 43 00-0490 EA 5' To 6' Juniperus - Fairview Juniper	27.25	
32 93 43 00-0491 EA 1 Gallon Juniperus - Hollywood Juniper	3.65	
32 93 43 00-0492 EA 5 Gallon Juniperus - Hollywood Juniper	10.15	
32 93 43 00-0493 EA 15 Gallon Juniperus - Hollywood Juniper	43.03	
32 93 43 00-0494 EA 4' To 5' Juniperus - Hollywood Juniper	28.45	
32 93 43 00-0495 EA 5' To 6' Juniperus - Hollywood Juniper	36.65	
32 93 43 00-0496 EA 1 Gallon Juniperus - Parson's Juniper	2.86	
32 93 43 00-0497 EA 2 Gallon Juniperus - Parson's Juniper	5.65	
32 93 43 00-0498 EA 3 Gallon Juniperus - Parson's Juniper	6.99	
32 93 43 00-0499 EA 5 Gallon Juniperus - Parson's Juniper	8.27	
32 93 43 00-0500 EA 5 Gallon Juniperus - Skyrocket Juniper	10.21	
32 93 43 00-0501 EA 15 Gallon Juniperus - Skyrocket Juniper	43.46	
32 93 43 00-0502 EA 2' To 3' Juniperus - Skyrocket Juniper	15.32	
32 93 43 00-0503 EA 3' To 4' Juniperus - Skyrocket Juniper	21.70	
32 93 43 00-0504 EA 4' To 5' Juniperus - Skyrocket Juniper	28.75	
32 93 43 00-0505 EA 5' To 6' Juniperus - Skyrocket Juniper	37.08	
32 93 43 00-0506 EA 6' To 8' Juniperus - Skyrocket Juniper	47.90	
32 93 43 00-0507 EA 1 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	2.86	
32 93 43 00-0508 EA 2 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	5.62	
32 93 43 00-0509 EA 3 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	6.90	
32 93 43 00-0510 EA 5 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	8.18	
32 93 43 00-0511 EA 1 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	2.86	
32 93 43 00-0512 EA 2 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	5.62	
32 93 43 00-0513 EA 3 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	6.90	
32 93 43 00-0514 EA 5 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	8.18	
32 93 43 00-0515 EA 3' Pinus sylvestris - Scotch Pine	26.55	
32 93 43 00-0516 EA 4' Pinus sylvestris - Scotch Pine	36.86	
32 93 43 00-0517 EA 5' Pinus sylvestris - Scotch Pine	51.73	
32 93 43 00-0518 EA 6' Pinus sylvestris - Scotch Pine	71.77	
32 93 43 00-0519 EA 7' Pinus sylvestris - Scotch Pine	87.94	
32 93 43 00-0520 EA 8' Pinus sylvestris - Scotch Pine	124.15	
32 93 43 00-0521 EA 9' Pinus sylvestris - Scotch Pine	157.61	
32 93 43 00-0522 EA 10' Pinus sylvestris - Scotch Pine	181.86	
32 93 43 00-0523 EA 12' Pinus sylvestris - Scotch Pine	214.19	
32 93 43 00-0524 EA 14' Pinus sylvestris - Scotch Pine	242.48	
32 93 43 00-0525 EA 16' Pinus sylvestris - Scotch Pine	282.89	
32 93 43 00-0526 EA 1 Gallon Pinus thunbergiana - Japanese Black Pine	2.86	
32 93 43 00-0527 EA 5 Gallon Pinus thunbergiana - Japanese Black Pine	10.15	
32 93 43 00-0528 EA 15 Gallon Pinus thunbergiana - Japanese Black Pine	32.88	
32 93 43 00-0529 EA 2' To 3' Pinus thunbergiana - Japanese Black Pine	13.92	
32 93 43 00-0530 EA 3' To 4' Pinus thunbergiana - Japanese Black Pine	17.69	
32 93 43 00-0531 EA 4' To 5' Pinus thunbergiana - Japanese Black Pine	26.56	
32 93 43 00-0532 EA 5' To 6' Pinus thunbergiana - Japanese Black Pine	51.85	
32 93 43 00-0533 EA 6' To 7' Pinus Thunbergiana - Japanese Black Pine.....	58.17	
32 93 43 00-0534 EA 7' To 8' Pinus thunbergiana - Japanese Black Pine.....	72.70	
32 93 43 00-0535 EA 6' Pinus flexilis & cvs - Limber Pine	101.03	
32 93 43 00-0536 EA 7' Pinus flexilis & cvs - Limber Pine	117.20	
32 93 43 00-0537 EA 8' Pinus flexilis & cvs - Limber Pine	145.49	
32 93 43 00-0538 EA 9' Pinus flexilis & cvs - Limber Pine	177.82	
32 93 43 00-0539 EA 10' Pinus flexilis & cvs - Limber Pine	202.07	
32 93 43 00-0540 EA 1 Gallon Pinus mugo - Mugho Pine	3.77	
32 93 43 00-0541 EA 2 Gallon Pinus mugo - Mugho Pine	7.96	
32 93 43 00-0542 EA 3 Gallon Pinus mugo - Mugho Pine	9.97	
32 93 43 00-0543 EA 5 Gallon Pinus mugo - Mugho Pine	12.64	
32 93 43 00-0544 EA 12" To 15" Spread Pinus mugo - Mugho Pine	9.79	
32 93 43 00-0545 EA 15" To 18" Spread Pinus mugo - Mugho Pine	11.67	
32 93 43 00-0546 EA 18" To 24" Spread Pinus mugo - Mugho Pine	15.80	
32 93 43 00-0547 EA 2' To 2-1/2' Spread Pinus mugo - Mugho Pine	22.13	
32 93 43 00-0548 EA 2-1/2' To 3' Spread Pinus mugo - Mugho Pine	28.45	
32 93 43 00-0549 EA 3' To 3-1/2' Spread Pinus mugo - Mugho Pine	35.44	
32 93 43 00-0550 EA 3-1/2' To 4' Spread Pinus mugo - Mugho Pine	43.03	
32 93 43 00-0551 EA 6' Pinus nigra - Austrian Pine.....	101.03	
32 93 43 00-0552 EA 7' Pinus nigra - Austrian Pine.....	121.24	
32 93 43 00-0553 EA 8' Pinus nigra - Austrian Pine.....	157.61	
32 93 43 00-0554 EA 9' Pinus nigra - Austrian Pine.....	181.86	
32 93 43 00-0555 EA 10' Pinus nigra - Austrian Pine.....	214.19	
32 93 43 00-0556 EA 12' Pinus nigra - Austrian Pine.....	242.48	
32 93 43 00-0557 EA 14' Pinus nigra - Austrian Pine.....	270.77	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
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32 93 43 00-0558	EA	16' Pinus nigra - Austrian Pine.....	307.14	
32 93 43 00-0559	EA	1 Gallon Podocarpus - Chinese Podocarpus.....	1.88	
32 93 43 00-0560	EA	3 Gallon Podocarpus - Chinese Podocarpus.....	4.38	
32 93 43 00-0561	EA	7 Gallon Podocarpus - Chinese Podocarpus.....	12.64	
32 93 43 00-0562	EA	15 Gallon Podocarpus - Chinese Podocarpus.....	20.54	
32 93 43 00-0563	EA	4' To 5' Podocarpus - Chinese Podocarpus.....	31.61	
32 93 43 00-0564	EA	5' To 6' Sequoia sempervirens - Dawn Redwood.....	39.51	
32 93 43 00-0565	EA	6' To 8' Sequoia sempervirens - Dawn Redwood.....	53.34	
32 93 43 00-0566	EA	8' To 10' Sequoia sempervirens - Dawn Redwood.....	65.19	
32 93 43 00-0567	EA	3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae.....	7.62	
32 93 43 00-0568	EA	3' To 4' Thuja occidentalis 'Woodwadii' - Woodward Arborvitae.....	12.45	
32 93 43 00-0569	EA	4' Metrosideros excelsus - New Zealand Christmas Tree.....	57.63	
32 93 43 00-0570	EA	5' Metrosideros excelsus - New Zealand Christmas Tree.....	78.08	
32 93 43 00-0571	EA	6' Metrosideros excelsus - New Zealand Christmas Tree.....	132.92	
32 93 43 00-0572	EA	8' Metrosideros excelsus - New Zealand Christmas Tree.....	164.52	
32 93 43 00-0573	EA	24" Box Metrosideros excelsus - New Zealand Christmas Tree.....	145.00	
32 93 43 00-0574	EA	6' Cedrus decurrens - Incese Cedar.....	67.85	
32 93 43 00-0575	EA	8' Cedrus decurrens - Incese Cedar.....	140.35	
32 93 43 00-0576	EA	10' Cedrus decurrens - Incese Cedar.....	185.90	
32 93 43 00-0577	EA	12' Cedrus decurrens - Incese Cedar.....	246.32	
32 93 43 00-0578	EA	6' Pinus canariensis - Canary Island Pine.....	223.08	
32 93 43 00-0579	EA	8' Pinus canariensis - Canary Island Pine.....	297.44	
32 93 43 00-0580	EA	10' Pinus canariensis - Canary Island Pine.....	371.80	
32 93 43 00-0581	EA	12' Pinus canariensis - Canary Island Pine.....	446.16	
32 93 43 00-0582	EA	24" Box Pinus canariensis - Canary Island Pine.....	132.92	
32 93 43 00-0583	EA	6' Pinus pinea - Italian Stone Pine.....	223.08	
32 93 43 00-0584	EA	8' Pinus pinea - Italian Stone Pine.....	297.44	
32 93 43 00-0585	EA	10' Pinus pinea - Italian Stone Pine.....	371.80	
32 93 43 00-0586	EA	12' Pinus pinea - Italian Stone Pine.....	446.16	
32 93 43 00-0587	EA	6' Podocarpus gracilior - African Fern Pine.....	232.38	
32 93 43 00-0588	EA	8' Podocarpus gracilior - African Fern Pine.....	306.74	
32 93 43 00-0589	EA	10' Podocarpus gracilior - African Fern Pine.....	390.39	
32 93 43 00-0590	EA	12' Podocarpus gracilior - African Fern Pine.....	464.75	
32 93 43 00-0591	EA	24" Box Podocarpus gracilior - African Fern Pine.....	108.75	
32 93 43 00-0592	EA	6' Melaleuca linarifolia - Flaxleaf Paperbark.....	195.20	
32 93 43 00-0593	EA	8' Melaleuca linarifolia - Flaxleaf Paperbark.....	260.26	
32 93 43 00-0594	EA	10' Melaleuca linarifolia - Flaxleaf Paperbark.....	325.32	
32 93 43 00-0595	EA	12' Melaleuca linarifolia - Flaxleaf Paperbark.....	390.39	
32 93 43 00-0596	EA	24" Box Melaleuca linarifolia - Flaxleaf Paperbark.....	114.79	
32 93 43 00-0597	EA	6' Melaleuca quinquenervia - Cajeput Tree.....	195.20	
32 93 43 00-0598	EA	8' Melaleuca quinquenervia - Cajeput Tree.....	260.26	
32 93 43 00-0599	EA	10' Melaleuca quinquenervia - Cajeput Tree.....	325.32	
32 93 43 00-0600	EA	12' Melaleuca quinquenervia - Cajeput Tree.....	390.39	
32 93 43 00-0601	EA	24" Box Melaleuca quinquenervia - Cajeput Tree.....	108.75	
32 93 43 00-0602	EA	30" Box Melaleuca quinquenervia - Cajeput Tree.....	274.20	
32 93 43 00-0603	EA	36" Box Melaleuca quinquenervia - Cajeput Tree.....	432.22	
32 93 43 00-0604	EA	6' Pittosporum undulatum - Victorian Box.....	122.69	
32 93 43 00-0605	EA	8' Pittosporum undulatum - Victorian Box.....	194.27	
32 93 43 00-0606	EA	10' Pittosporum undulatum - Victorian Box.....	255.61	
32 93 43 00-0607	EA	1 Gallon Podocarpus macrophyllus - Yew Pine.....	4.32	
32 93 43 00-0608	EA	3 Gallon Podocarpus macrophyllus - Yew Pine.....	10.13	
32 93 43 00-0609	EA	5 Gallon Podocarpus macrophyllus - Yew Pine.....	13.29	
32 93 43 00-0610	EA	15 Gallon Podocarpus macrophyllus - Yew Pine.....	57.63	
32 93 43 00-0611	EA	24" Box Podocarpus macrophyllus - Yew Pine.....	111.54	
32 93 43 00-0612	EA	24" Box Rhus lancea - African Sumac.....	114.79	
32 93 43 00-0613	EA	30" Box Rhus lancea - African Sumac.....	185.90	
32 93 43 00-0614	EA	8' Rhus lancea - African Sumac.....	278.85	
32 93 43 00-0615	EA	10' Rhus lancea - African Sumac.....	311.38	
32 93 43 00-0616	EA	12' Rhus lancea - African Sumac.....	371.80	

32 93 43 00-0617**Palm And Subtropical Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0618	EA	9' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	98.44	
32 93 43 00-0619	EA	11' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	164.06	
32 93 43 00-0620	EA	15' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	249.38	
32 93 43 00-0621	EA	17' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	282.19	
32 93 43 00-0622	EA	20' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	328.12	
32 93 43 00-0623	EA	4' To 5' Bauninia blakeana - Hong Kong Orchid.....	282.19	
32 93 43 00-0624	EA	6' Bauninia blakeana - Hong Kong Orchid.....	334.69	
32 93 43 00-0625	EA	8' Bauninia blakeana - Hong Kong Orchid.....	446.25	
32 93 43 00-0626	EA	10' Bauninia blakeana - Hong Kong Orchid.....	557.81	
32 93 43 00-0627	EA	4' To 5' Acacia baileyana - Bailey Acacia.....	262.50	
32 93 43 00-0628	EA	6' Acacia baileyana - Bailey Acacia.....	315.00	
32 93 43 00-0629	EA	8' Acacia baileyana - Bailey Acacia.....	367.50	
32 93 43 00-0630	EA	10' Acacia baileyana - Bailey Acacia.....	459.38	
32 93 43 00-0631	EA	6' Agonis flexuosa - Peppermint.....	157.50	
32 93 43 00-0632	EA	8' Agonis flexuosa - Peppermint.....	196.88	
32 93 43 00-0633	EA	10' Agonis flexuosa - Peppermint.....	236.25	
32 93 43 00-0634	EA	24" Box Agonis flexuosa - Peppermint.....	196.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0635 EA 6' Bauhinia purpurea - Purple Orchid Tree	354.38	
32 93 43 00-0636 EA 8' Bauhinia purpurea - Purple Orchid Tree	472.50	
32 93 43 00-0637 EA 10' Bauhinia purpurea - Purple Orchid Tree	590.62	
32 93 43 00-0638 EA 24" Box Bauhinia purpurea - Purple Orchid Tree.....	153.56	
32 93 43 00-0639 EA 6' Bauhinia variegata candida - White Orchid Tree.....	393.75	
32 93 43 00-0640 EA 8' Bauhinia variegata candida - White Orchid Tree.....	525.00	
32 93 43 00-0641 EA 10' Bauhinia variegata candida - White Orchid Tree.....	656.25	
32 93 43 00-0642 EA 6' Callistemon citrinus - Crimson or Lemon Bottle Brush	354.38	
32 93 43 00-0643 EA 8' Callistemon citrinus - Crimson or Lemon Bottle Brush.....	472.50	
32 93 43 00-0644 EA 10' Callistemon citrinus - Crimson or Lemon Bottle Brush.....	590.62	
32 93 43 00-0645 EA 6' Eriobotrya deflexa - Bronze Loquat	354.38	
32 93 43 00-0646 EA 8' Eriobotrya deflexa - Bronze Loquat.....	472.50	
32 93 43 00-0647 EA 10' Eriobotrya deflexa - Bronze Loquat.....	590.62	
32 93 43 00-0648 EA 6' Eucalyptus erythrocorys - Red Cap Gum.....	354.38	
32 93 43 00-0649 EA 8' Eucalyptus erythrocorys - Red Cap Gum.....	472.50	
32 93 43 00-0650 EA 10' Eucalyptus erythrocorys - Red Cap Gum.....	590.62	
32 93 43 00-0651 EA 6' Eucalyptus torquala - Coral Gum	354.38	
32 93 43 00-0652 EA 8' Eucalyptus torquala - Coral Gum	472.50	
32 93 43 00-0653 EA 10' Eucalyptus torquala - Coral Gum	590.62	
32 93 43 00-0654 EA 8' Fraxinus oxycarpa "Raywood" - Raywood Ash	367.50	
32 93 43 00-0655 EA 10' Fraxinus oxycarpa "Raywood" - Raywood Ash	498.75	
32 93 43 00-0656 EA 12' Fraxinus oxycarpa "Raywood" - Raywood Ash	616.88	
32 93 43 00-0657 EA 6' Washingtonia robusta - Mexican Fan Palm.....	354.38	
32 93 43 00-0658 EA 8' Washingtonia robusta - Mexican Fan Palm.....	472.50	
32 93 43 00-0659 EA 10' Washingtonia robusta - Mexican Fan Palm.....	590.62	
32 93 43 00-0660 EA 12' Washingtonia robusta - Mexican Fan Palm.....	708.75	
32 93 43 00-0661 EA 6' Olea europaea - Olive "Fruitless"	354.38	
32 93 43 00-0662 EA 8' Olea europaea - Olive "Fruitless"	472.50	
32 93 43 00-0663 EA 10' Olea europaea - Olive "Fruitless"	590.62	
32 93 43 00-0664 EA 12' Olea europaea - Olive "Fruitless"	708.75	
32 93 43 00-0665 EA 24" Box Olea europaea - Olive "Fruitless"	435.75	
32 93 43 00-0666 EA 6' Eucalyptus polyanthemos - Silver Dollar Gum	354.38	
32 93 43 00-0667 EA 8' Eucalyptus polyanthemos - Silver Dollar Gum	472.50	
32 93 43 00-0668 EA 10' Eucalyptus polyanthemos - Silver Dollar Gum	590.62	
32 93 43 00-0669 EA 6' Eucalyptus leucoxydon - White Ironbark	354.38	
32 93 43 00-0670 EA 8' Eucalyptus leucoxydon - White Ironbark	472.50	
32 93 43 00-0671 EA 10' Eucalyptus leucoxydon - White Ironbark	590.62	
32 93 43 00-0672 EA 12' Eucalyptus leucoxydon - White Ironbark	708.75	
32 93 43 00-0673 EA 6' Callistemon viminalis - Weeping Bottle Brush.....	354.38	
32 93 43 00-0674 EA 8' Callistemon viminalis - Weeping Bottle Brush.....	472.50	
32 93 43 00-0675 EA 10' Callistemon viminalis - Weeping Bottle Brush.....	590.62	
32 93 43 00-0676 EA 12' Callistemon viminalis - Weeping Bottle Brush.....	708.75	
32 93 43 00-0677 EA 6' Eucalyptus gunnii - Cider Gum.....	354.38	
32 93 43 00-0678 EA 8' Eucalyptus gunnii - Cider Gum.....	472.50	
32 93 43 00-0679 EA 10' Eucalyptus gunnii - Cider Gum.....	590.62	
32 93 43 00-0680 EA 6' Jacarandra acutifolia - Jacaranda	354.38	
32 93 43 00-0681 EA 8' Jacarandra acutifolia - Jacaranda	472.50	
32 93 43 00-0682 EA 10' Jacarandra acutifolia - Jacaranda	590.62	
32 93 43 00-0683 EA 24" Box Jacarandra acutifolia - Jacaranda	153.56	
32 93 43 00-0684 EA 5 Gallon Pistacia chinensis - Chinese Pistache	23.62	
32 93 43 00-0685 EA 15 Gallon Pistacia chinensis - Chinese Pistache	78.75	
32 93 43 00-0686 EA 24" Box Pistacia chinensis - Chinese Pistache	305.81	
32 93 43 00-0687 EA 36" Box Pistacia chinensis - Chinese Pistache	813.75	
32 93 43 00-0688 EA 48" Box Pistacia chinensis - Chinese Pistache.....	1,732.50	
32 93 43 00-0689 EA 5 Gallon Pyrus kawakamii - Evergreen Pear, Single	24.41	
32 93 43 00-0690 EA 15 Gallon Pyrus kawakamii - Evergreen Pear, Single	81.38	
32 93 43 00-0691 EA 24" Box Pyrus kawakamii - Evergreen Pear, Single	305.81	
32 93 43 00-0692 EA 30" Box Pyrus kawakamii - Evergreen Pear, Single	559.12	
32 93 43 00-0693 EA 36" Box Pyrus kawakamii - Evergreen Pear, Single	813.75	
32 93 43 00-0694 EA 5 Gallon Pyrus kawakamii - Evergreen Pear, Multi	24.41	
32 93 43 00-0695 EA 15 Gallon Pyrus kawakamii - Evergreen Pear, Multi	86.62	
32 93 43 00-0696 EA 24" Box Pyrus kawakamii - Evergreen Pear, Multi.....	315.00	
32 93 43 00-0697 EA 30" Box Pyrus kawakamii - Evergreen Pear, Multi.....	559.12	
32 93 43 00-0698 EA 36" Box Pyrus kawakamii - Evergreen Pear, Multi.....	813.75	

32 93 53 Planting Of Trees, Shrubs And Ground Cover (32 93)

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 53 00-0001 Planting Trees (32 93 53)

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 53 00-0002 EA 3" To 5" Bare Root Seedlings Tree Planting.....	0.82	
32 93 53 00-0003 EA 6" To 10" Bare Root Seedlings Tree Planting.....	1.31	
32 93 53 00-0004 EA 11" To 16" Bare Root Seedlings Tree Planting.....	1.64	
32 93 53 00-0005 EA 17" To 24" Bare Root Seedlings Tree Planting.....	2.62	
32 93 53 00-0006 EA 1 Gallon Container Tree Planting.....	13.09	
For >10 To 25, Deduct	-0.65	
For >25 To 50, Deduct	-1.64	
For >50 To 100, Deduct	-2.62	
For >100, Deduct	-3.93	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0007 EA 2 Gallon Container Tree Planting.....	18.34	
For >10 To 25, Deduct	-0.92	
For >25 To 50, Deduct	-2.29	
For >50 To 100, Deduct	-3.67	
For >100, Deduct	-5.50	
32 93 53 00-0008 EA 3 Gallon Container Tree Planting.....	23.58	
For >10 To 25, Deduct	-1.18	
For >25 To 50, Deduct	-2.95	
For >50 To 100, Deduct	-4.72	
For >100, Deduct	-7.07	
32 93 53 00-0009 EA 5 Gallon Container Tree Planting.....	39.30	
For >10 To 25, Deduct	-1.97	
For >25 To 50, Deduct	-4.91	
For >50 To 100, Deduct	-7.86	
For >100, Deduct	-11.79	
32 93 53 00-0010 EA 7 Gallon Container Tree Planting.....	52.40	
For >10 To 25, Deduct	-2.62	
For >25 To 50, Deduct	-6.55	
For >50 To 100, Deduct	-10.48	
For >100, Deduct	-15.72	
32 93 53 00-0011 EA 10 Gallon Container Tree Planting.....	68.11	
For >10 To 25, Deduct	-3.41	
For >25 To 50, Deduct	-8.51	
For >50 To 100, Deduct	-13.62	
For >100, Deduct	-20.43	
32 93 53 00-0012 EA 15 Gallon Container Tree Planting.....	96.93	
For >10 To 25, Deduct	-4.85	
For >25 To 50, Deduct	-12.12	
For >50 To 100, Deduct	-19.39	
For >100, Deduct	-29.08	
32 93 53 00-0013 EA 20 Gallon Container Tree Planting.....	159.81	
For >10 To 25, Deduct	-7.99	
For >25 To 50, Deduct	-19.98	
For >50 To 100, Deduct	-31.96	
For >100, Deduct	-47.94	
32 93 53 00-0014 EA 25 Gallon Container Tree Planting.....	206.97	
For >10 To 25, Deduct	-10.35	
For >25 To 50, Deduct	-25.87	
For >50 To 100, Deduct	-41.39	
For >100, Deduct	-62.09	
32 93 53 00-0015 EA 30 Gallon Container Tree Planting.....	248.89	
For >10 To 25, Deduct	-12.44	
For >25 To 50, Deduct	-31.11	
For >50 To 100, Deduct	-49.78	
For >100, Deduct	-74.67	
32 93 53 00-0016 EA 45 Gallon Container Tree Planting.....	309.14	
For >10 To 25, Deduct	-15.46	
For >25 To 50, Deduct	-38.64	
For >50 To 100, Deduct	-61.83	
For >100, Deduct	-92.74	
32 93 53 00-0017 EA 65 Gallon Container Tree Planting.....	366.78	
For >10 To 25, Deduct	-18.34	
For >25 To 50, Deduct	-45.85	
For >50 To 100, Deduct	-73.36	
For >100, Deduct	-110.03	
32 93 53 00-0018 EA 6' Balled And Burlapped Tree Planting	130.99	
For >10 To 25, Deduct	-6.55	
For >25 To 50, Deduct	-16.37	
For >50 To 100, Deduct	-26.20	
For >100, Deduct	-39.30	
32 93 53 00-0019 EA 7' Balled And Burlapped Tree Planting	174.49	
For >10 To 25, Deduct	-8.72	
For >25 To 50, Deduct	-21.81	
For >50 To 100, Deduct	-34.90	
For >100, Deduct	-52.35	
32 93 53 00-0020 EA 8' Balled And Burlapped Tree Planting	196.49	
For >10 To 25, Deduct	-9.82	
For >25 To 50, Deduct	-24.56	
For >50 To 100, Deduct	-39.30	
For >100, Deduct	-58.95	
32 93 53 00-0021 EA 10' Balled And Burlapped Tree Planting	229.24	
For >10 To 25, Deduct	-11.46	
For >25 To 50, Deduct	-28.66	
For >50 To 100, Deduct	-45.85	
For >100, Deduct	-68.77	
32 93 53 00-0022 EA 12' Balled And Burlapped Tree Planting	306.52	
For >10 To 25, Deduct	-15.33	
For >25 To 50, Deduct	-38.32	
For >50 To 100, Deduct	-61.30	
For >100, Deduct	-91.96	
32 93 53 00-0023 EA 14' Balled And Burlapped Tree Planting	351.07	
For >10 To 25, Deduct	-17.55	
For >25 To 50, Deduct	-43.88	
For >50 To 100, Deduct	-70.21	
For >100, Deduct	-105.32	



Exterior Improvements		32
Planting		32 90
Plants		32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0024 EA 16' Balled And Burlapped Tree Planting	425.73	
For >10 To 25, Deduct	-21.29	
For >25 To 50, Deduct	-53.22	
For >50 To 100, Deduct	-85.15	
For >100, Deduct	-127.72	
32 93 53 00-0025 EA 18' Balled And Burlapped Tree Planting	510.88	
For >10 To 25, Deduct	-25.54	
For >25 To 50, Deduct	-63.86	
For >50 To 100, Deduct	-102.18	
For >100, Deduct	-153.26	
32 93 53 00-0026 EA 20' Balled And Burlapped Tree Planting	589.88	
For >10 To 25, Deduct	-29.47	
For >25 To 50, Deduct	-73.69	
For >50 To 100, Deduct	-117.90	
For >100, Deduct	-176.84	
32 93 53 00-0027 EA 1-1/2" Caliper Balled And Burlapped Tree Planting	196.49	
For >10 To 25, Deduct	-9.82	
For >25 To 50, Deduct	-24.56	
For >50 To 100, Deduct	-39.30	
For >100, Deduct	-58.95	
32 93 53 00-0028 EA 2" Caliper Balled And Burlapped Tree Planting	229.24	
For >10 To 25, Deduct	-11.46	
For >25 To 50, Deduct	-28.66	
For >50 To 100, Deduct	-45.85	
For >100, Deduct	-68.77	
32 93 53 00-0029 EA 2-1/2" Caliper Balled And Burlapped Tree Planting	307.84	
For >10 To 25, Deduct	-15.39	
For >25 To 50, Deduct	-38.48	
For >50 To 100, Deduct	-61.57	
For >100, Deduct	-92.35	
32 93 53 00-0030 EA 3" Caliper Balled And Burlapped Tree Planting	353.69	
For >10 To 25, Deduct	-17.68	
For >25 To 50, Deduct	-44.21	
For >50 To 100, Deduct	-70.74	
For >100, Deduct	-106.11	
32 93 53 00-0031 EA 3-1/2" Caliper Balled And Burlapped Tree Planting	392.98	
For >10 To 25, Deduct	-19.65	
For >25 To 50, Deduct	-49.12	
For >50 To 100, Deduct	-78.60	
For >100, Deduct	-117.89	
32 93 53 00-0032 EA 4" Caliper Balled And Burlapped Tree Planting	450.62	
For >10 To 25, Deduct	-22.53	
For >25 To 50, Deduct	-56.33	
For >50 To 100, Deduct	-90.12	
For >100, Deduct	-135.19	
32 93 53 00-0033 Planting Shrubs ^(32 93 53)		
Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.		
32 93 53 00-0034 EA 1 Gallon Container Shrub Planting	11.14	
For >10 To 25, Deduct	-0.56	
For >25 To 50, Deduct	-1.39	
For >50 To 100, Deduct	-2.23	
For >100, Deduct	-3.34	
32 93 53 00-0035 EA 2 Gallon Container Shrub Planting	15.72	
For >10 To 25, Deduct	-0.79	
For >25 To 50, Deduct	-1.97	
For >50 To 100, Deduct	-3.14	
For >100, Deduct	-4.72	
32 93 53 00-0036 EA 3 Gallon Container Shrub Planting	19.65	
For >10 To 25, Deduct	-0.98	
For >25 To 50, Deduct	-2.46	
For >50 To 100, Deduct	-3.93	
For >100, Deduct	-5.90	
32 93 53 00-0037 EA 4 Gallon Container Shrub Planting	26.20	
For >10 To 25, Deduct	-1.31	
For >25 To 50, Deduct	-3.28	
For >50 To 100, Deduct	-5.24	
For >100, Deduct	-7.86	
32 93 53 00-0038 EA 5 Gallon Container Shrub Planting	32.75	
For >10 To 25, Deduct	-1.64	
For >25 To 50, Deduct	-4.09	
For >50 To 100, Deduct	-6.55	
For >100, Deduct	-9.83	
32 93 53 00-0039 EA 7 Gallon Container Shrub Planting	44.54	
For >10 To 25, Deduct	-2.23	
For >25 To 50, Deduct	-5.57	
For >50 To 100, Deduct	-8.91	
For >100, Deduct	-13.36	
32 93 53 00-0040 EA 10 Gallon Container Shrub Planting	58.94	
For >10 To 25, Deduct	-2.95	
For >25 To 50, Deduct	-7.37	
For >50 To 100, Deduct	-11.79	
For >100, Deduct	-17.68	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0041 EA 15 Gallon Container Shrub Planting.....	81.22	
For >10 To 25, Deduct	-4.06	
For >25 To 50, Deduct	-10.15	
For >50 To 100, Deduct	-16.24	
For >100, Deduct	-24.37	
32 93 53 00-0042 EA 20 Gallon Container Shrub Planting.....	136.24	
For >10 To 25, Deduct	-6.81	
For >25 To 50, Deduct	-17.03	
For >50 To 100, Deduct	-27.25	
For >100, Deduct	-40.87	
32 93 53 00-0043 EA 25 Gallon Container Shrub Planting.....	174.49	
For >10 To 25, Deduct	-8.72	
For >25 To 50, Deduct	-21.81	
For >50 To 100, Deduct	-34.90	
For >100, Deduct	-52.35	
32 93 53 00-0044 EA 15" Balled And Burlapped Shrub Planting.....	36.68	
For >10 To 25, Deduct	-1.83	
For >25 To 50, Deduct	-4.59	
For >50 To 100, Deduct	-7.34	
For >100, Deduct	-11.00	
32 93 53 00-0045 EA 18" Balled And Burlapped Shrub Planting.....	37.99	
For >10 To 25, Deduct	-1.90	
For >25 To 50, Deduct	-4.75	
For >50 To 100, Deduct	-7.60	
For >100, Deduct	-11.40	
32 93 53 00-0046 EA 24" Balled And Burlapped Shrub Planting.....	41.91	
For >10 To 25, Deduct	-2.10	
For >25 To 50, Deduct	-5.24	
For >50 To 100, Deduct	-8.38	
For >100, Deduct	-12.57	
32 93 53 00-0047 EA 30" Balled And Burlapped Shrub Planting.....	41.91	
For >10 To 25, Deduct	-2.10	
For >25 To 50, Deduct	-5.24	
For >50 To 100, Deduct	-8.38	
For >100, Deduct	-12.57	
32 93 53 00-0048 EA 36" Balled And Burlapped Shrub Planting.....	45.85	
For >10 To 25, Deduct	-2.29	
For >25 To 50, Deduct	-5.73	
For >50 To 100, Deduct	-9.17	
For >100, Deduct	-13.76	
32 93 53 00-0049 EA 42" Balled And Burlapped Shrub Planting.....	48.47	
For >10 To 25, Deduct	-2.42	
For >25 To 50, Deduct	-6.06	
For >50 To 100, Deduct	-9.69	
For >100, Deduct	-14.54	
32 93 53 00-0050 EA 48" Balled And Burlapped Shrub Planting.....	52.40	
For >10 To 25, Deduct	-2.62	
For >25 To 50, Deduct	-6.55	
For >50 To 100, Deduct	-10.48	
For >100, Deduct	-15.72	
32 93 53 00-0051 EA 5' Balled And Burlapped Shrub Planting.....	78.60	
For >10 To 25, Deduct	-3.93	
For >25 To 50, Deduct	-9.83	
For >50 To 100, Deduct	-15.72	
For >100, Deduct	-23.58	
32 93 53 00-0052 EA 6' Balled And Burlapped Shrub Planting.....	111.34	
For >10 To 25, Deduct	-5.57	
For >25 To 50, Deduct	-13.92	
For >50 To 100, Deduct	-22.27	
For >100, Deduct	-33.40	
32 93 53 00-0053 EA 7' Balled And Burlapped Shrub Planting.....	148.03	
For >10 To 25, Deduct	-7.40	
For >25 To 50, Deduct	-18.50	
For >50 To 100, Deduct	-29.61	
For >100, Deduct	-44.41	
32 93 53 00-0054 EA 8' Balled And Burlapped Shrub Planting.....	167.68	
For >10 To 25, Deduct	-8.38	
For >25 To 50, Deduct	-20.96	
For >50 To 100, Deduct	-33.54	
For >100, Deduct	-50.30	
32 93 53 00-0055 EA 9' Balled And Burlapped Shrub Planting.....	180.77	
For >10 To 25, Deduct	-9.04	
For >25 To 50, Deduct	-22.60	
For >50 To 100, Deduct	-36.15	
For >100, Deduct	-54.23	
32 93 53 00-0056 EA 10' Balled And Burlapped Shrub Planting.....	196.49	
For >10 To 25, Deduct	-9.82	
For >25 To 50, Deduct	-24.56	
For >50 To 100, Deduct	-39.30	
For >100, Deduct	-58.95	

32 93 53 00-0057 Planting Groundcover, Vines, Perennials, Annuals And Bulbs (32 93 53)
See CSI section 32 91 13 16-0001 for mulch.



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0058 EA 2-1/4" Diameter Potted Groundcover And Flower Planting.....	1.09	
For >10 To 25, Deduct	-0.05	
For >25 To 50, Deduct	-0.14	
For >50 To 100, Deduct	-0.22	
For >100, Deduct	-0.33	
32 93 53 00-0059 EA 3" Diameter Potted Groundcover And Flower Planting.....	1.24	
For >10 To 25, Deduct	-0.06	
For >25 To 50, Deduct	-0.16	
For >50 To 100, Deduct	-0.25	
For >100, Deduct	-0.37	
32 93 53 00-0060 EA 4" Diameter Potted Groundcover And Flower Planting.....	1.46	
For >10 To 25, Deduct	-0.07	
For >25 To 50, Deduct	-0.18	
For >50 To 100, Deduct	-0.29	
For >100, Deduct	-0.44	
32 93 53 00-0061 EA 5-1/2" Diameter Potted Groundcover And Flower Planting.....	1.75	
For >10 To 25, Deduct	-0.09	
For >25 To 50, Deduct	-0.22	
For >50 To 100, Deduct	-0.35	
For >100, Deduct	-0.53	
32 93 53 00-0062 EA 6" Diameter Potted Groundcover And Flower Planting.....	2.18	
For >10 To 25, Deduct	-0.11	
For >25 To 50, Deduct	-0.27	
For >50 To 100, Deduct	-0.44	
For >100, Deduct	-0.65	
32 93 53 00-0063 EA 8" Diameter Potted Groundcover And Flower Planting.....	3.27	
For >10 To 25, Deduct	-0.16	
For >25 To 50, Deduct	-0.41	
For >50 To 100, Deduct	-0.65	
For >100, Deduct	-0.98	
32 93 53 00-0064 EA 1 Gallon Container Groundcover And Flower Planting.....	10.48	
For >10 To 25, Deduct	-0.52	
For >25 To 50, Deduct	-1.31	
For >50 To 100, Deduct	-2.10	
For >100, Deduct	-3.14	
32 93 53 00-0065 EA 2 Gallon Container Groundcover And Flower Planting.....	14.41	
For >10 To 25, Deduct	-0.72	
For >25 To 50, Deduct	-1.80	
For >50 To 100, Deduct	-2.88	
For >100, Deduct	-4.32	
32 93 53 00-0066 EA 3 Gallon Container Groundcover And Flower Planting.....	18.34	
For >10 To 25, Deduct	-0.92	
For >25 To 50, Deduct	-2.29	
For >50 To 100, Deduct	-3.67	
For >100, Deduct	-5.50	
32 93 53 00-0067 EA 4 Gallon Container Groundcover And Flower Planting.....	23.58	
For >10 To 25, Deduct	-1.18	
For >25 To 50, Deduct	-2.95	
For >50 To 100, Deduct	-4.72	
For >100, Deduct	-7.07	
32 93 53 00-0068 EA 5 Gallon Container Groundcover And Flower Planting.....	28.82	
For >10 To 25, Deduct	-1.44	
For >25 To 50, Deduct	-3.60	
For >50 To 100, Deduct	-5.76	
For >100, Deduct	-8.65	
32 93 53 00-0069 EA 7 Gallon Container Groundcover And Flower Planting.....	39.30	
For >10 To 25, Deduct	-1.97	
For >25 To 50, Deduct	-4.91	
For >50 To 100, Deduct	-7.86	
For >100, Deduct	-11.79	
32 93 53 00-0070 EA Bulb Planting.....	0.65	
For >10 To 25, Deduct	-0.03	
For >25 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.13	
For >100, Deduct	-0.20	
32 93 53 00-0071 EA Flats Of 24 Groundcover And Flower Planting.....	18.33	
For >10 To 25, Deduct	-0.92	
For >25, Deduct	-2.29	
32 93 53 00-0072 EA Flats Of 36 Groundcover And Flower Planting.....	26.01	
For >10 To 25, Deduct	-1.30	
For >25, Deduct	-3.25	
32 93 53 00-0073 EA Flats Of 48 Groundcover And Flower Planting.....	34.63	
For >10 To 25, Deduct	-1.73	
For >25, Deduct	-4.33	
32 93 53 00-0074 Tree Pits <small>(32 93 53)</small>		
Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch.		
32 93 53 00-0075 EA 2' x 1-1/4' Deep Tree Pit.....	71.88	
32 93 53 00-0076 EA 2' x 2-1/2' Deep Tree Pit.....	107.79	
32 93 53 00-0077 EA 2-1/2' x 1-1/2' Deep Tree Pit.....	139.43	
32 93 53 00-0078 EA 2-1/2' x 3' Deep Tree Pit.....	209.11	
32 93 53 00-0079 EA 3' x 1-3/4' Deep Tree Pit.....	214.84	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 53 00-0080	EA	3' x 3-1/2' Deep Tree Pit	320.53	
32 93 53 00-0081	EA	3-1/2' x 1-3/4' Deep Tree Pit	263.03	
32 93 53 00-0082	EA	3-1/2' x 3-1/2' Deep Tree Pit	393.97	
32 93 53 00-0083	EA	4' x 2' Deep Tree Pit.....	314.31	
32 93 53 00-0084	EA	4' x 4' Deep Tree Pit.....	471.19	
32 93 53 00-0085	EA	4-1/2' x 2' Deep Tree Pit	452.06	
32 93 53 00-0086	EA	4-1/2' x 4' Deep Tree Pit	679.49	
32 93 53 00-0087	EA	5' x 2-1/4' Deep Tree Pit	601.31	
32 93 53 00-0088	EA	5' x 4-1/2' Deep Tree Pit	895.44	
32 93 53 00-0089	EA	6' x 2-1/2' Deep Tree Pit	852.79	
32 93 53 00-0090	EA	6' x 5' Deep Tree Pit.....	1,277.22	
32 93 53 00-0091	EA	7' x 3' Deep Tree Pit.....	1,436.40	
32 93 53 00-0092	EA	7' x 6' Deep Tree Pit.....	2,166.48	
32 93 53 00-0093	EA	8' x 3-1/4' Deep Tree Pit	1,974.01	
32 93 53 00-0094	EA	8' x 6-1/2' Deep Tree Pit	2,959.71	

32 94 Planting Accessories (32 90)**32 94 13 Landscape Edging** (32 94)

Note: Including stakes.

32 94 13 00-0001 Landscape Edging (32 94 13)

Note: Includes stakes.

32 94 13 00-0002	LF	6" Poly/Vinyl Landscape Edging With Non-Round Top.....	3.15	0.67
		For >2,000 To 5,000 LF, Deduct	-0.18	
		For >5,000 LF, Deduct	-0.36	
32 94 13 00-0003	LF	5" Polyethylene Landscape Edging With Round Top.....	1.91	0.67
		For >2,000 To 5,000 LF, Deduct	-0.06	
		For >5,000 LF, Deduct	-0.11	
32 94 13 00-0004	LF	5-1/2" Polyethylene Landscape Edging With Round Top.....	1.94	0.67
		For >2,000 To 5,000 LF, Deduct	-0.06	
		For >5,000 LF, Deduct	-0.12	
32 94 13 00-0005	LF	5" Polyethylene Landscape Edging With Corrugated Sides And Round Top.....	1.96	0.67
		For >2,000 To 5,000 LF, Deduct	-0.06	
		For >5,000 LF, Deduct	-0.12	
32 94 13 00-0006	LF	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	5.49	1.59
		For >1,000 LF, Deduct	-0.58	
32 94 13 00-0007	LF	1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	5.96	1.59
		For >1,000 LF, Deduct	-0.70	
32 94 13 00-0008	LF	1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	5.99	1.59
		For >1,000 LF, Deduct	-0.70	
32 94 13 00-0009	LF	3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	6.83	1.65
		For >1,000 LF, Deduct	-0.89	
32 94 13 00-0010	LF	3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	7.42	1.65
		For >1,000 LF, Deduct	-1.04	
32 94 13 00-0011	LF	3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	7.40	1.65
		For >1,000 LF, Deduct	-1.04	
32 94 13 00-0012	LF	1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	6.13	1.70
		For >1,000 LF, Deduct	-0.70	
32 94 13 00-0013	LF	1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	6.79	1.70
		For >1,000 LF, Deduct	-0.86	
32 94 13 00-0014	LF	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging.....	6.85	1.70
		For >1,000 LF, Deduct	-0.88	
32 94 13 00-0015	LF	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	7.68	1.75
		For >1,000 LF, Deduct	-1.06	
32 94 13 00-0016	LF	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	8.34	1.75
		For >1,000 LF, Deduct	-1.22	
32 94 13 00-0017	LF	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging.....	8.39	1.75
		For >1,000 LF, Deduct	-1.24	
32 94 13 00-0018	LF	1/8" x 4" Powder Coated Steel Landscape Edging	5.82	1.65
		For >1,000 LF, Deduct	-0.63	
32 94 13 00-0019	LF	3/16" x 4" Powder Coated Steel Landscape Edging	6.78	1.65
		For >1,000 LF, Deduct	-0.87	
32 94 13 00-0020	LF	1/4" x 5" Powder Coated Steel Landscape Edging	9.37	1.65
		For >1,000 LF, Deduct	-1.52	
32 94 13 00-0021	LF	1/2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board).....	4.44	1.59
		For >1,000 LF, Deduct	-0.32	
32 94 13 00-0022	LF	1" x 4", Recycled Plastic Landscape Edging (Bend-A-Board).....	5.02	1.59
		For >1,000 LF, Deduct	-0.46	
32 94 13 00-0023	LF	1" x 6", Recycled Plastic Landscape Edging (Bend-A-Board).....	5.52	1.59
		For >1,000 LF, Deduct	-0.59	
32 94 13 00-0024	LF	2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board).....	5.63	1.59
		For >1,000 LF, Deduct	-0.61	
32 94 13 00-0025	LF	4-1/2" x 12" Granite Edging.....	18.71	7.72
32 94 13 00-0026	LF	2" x 8" x 16" Precast Scallops, Green	3.41	1.10
32 94 13 00-0027	LF	2" x 8" x 16" Precast Scallops, Other Than Green	3.17	1.10
32 94 13 00-0028	LF	Brick, Set Horizontally, 1-1/2 Per LF	3.35	1.20
32 94 13 00-0029	LF	Brick, Set Horizontally, 3 Per LF	8.49	3.29
32 94 13 00-0030	LF	"V" Trenching By Machine, 4" Deep x 4" Wide	1.34	

32 94 16 Landscape Timbers (32 94)

32 94 16 00-0001	LF	1" x 4" Redwood Edging	3.23	0.96
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Exterior Improvements		32
Planting		32 90
Planting Accessories		32 94

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 16 00-0002	LF		2" x 4" Redwood Edging	4.35	1.45
32 94 16 00-0003	LF		4" x 6" Pressure Treated Hardwood	6.71	1.92
32 94 16 00-0004	LF		6" x 6" Pressure Treated Hardwood	8.88	2.40
32 94 16 00-0005	LF		6" x 8" Pressure Treated Hardwood	10.32	2.83
32 94 16 00-0006	LF		1" x 4" Pressure Treated Pine.....	2.40	0.96
32 94 16 00-0007	LF		2" x 4" Pressure Treated Pine.....	3.67	1.45
32 94 16 00-0008	LF		4" x 6" Pressure Treated Pine.....	6.35	1.86
32 94 16 00-0009	LF		6" x 6" Pressure Treated Pine.....	8.79	2.40
32 94 16 00-0010	LF		6" x 8" Pressure Treated Pine.....	10.89	2.83
32 94 16 00-0011	LF		6" x 8" Railroad Ties	9.16	2.61
32 94 16 00-0012	LF		7" x 9" Railroad Ties	10.93	3.28

32 94 43 Tree Grates (32 94)

32 94 43 00-0001 Tree Grates With Frames (32 94 43)

32 94 43 00-0002 Round Cast Iron Tree Grates With Frames (32 94 43 00-0001)

32 94 43 00-0003	EA		32" Diameter, 100 To 150 LB Cast Iron Tree Gate With Frame	441.64	33.82
			For >3 To 9, Deduct	-28.05	
			For >9, Deduct	-57.97	
32 94 43 00-0004	EA		36" Diameter, 125 To 175 LB Cast Iron Tree Gate With Frame	509.63	33.82
			For >3 To 9, Deduct	-33.15	
			For >9, Deduct	-68.51	
32 94 43 00-0005	EA		42" Diameter, 150 To 200 LB Cast Iron Tree Gate With Frame	617.18	45.08
			For >3 To 9, Deduct	-39.53	
			For >9, Deduct	-81.69	
32 94 43 00-0006	EA		48" Diameter, 200 To 250 LB Cast Iron Tree Gate With Frame	765.18	45.08
			For >3 To 9, Deduct	-50.63	
			For >9, Deduct	-104.63	
32 94 43 00-0007	EA		54" Diameter, 300 To 350 LB Cast Iron Tree Gate With Frame	980.71	56.36
			For >3 To 9, Deduct	-65.10	
			For >9, Deduct	-134.54	
32 94 43 00-0008	EA		60" Diameter, Up To 350 LB Cast Iron Tree Gate With Frame.....	1,031.26	67.63
			For >3 To 9, Deduct	-67.20	
			For >9, Deduct	-138.88	
32 94 43 00-0009	EA		60" Diameter, >350 LB Cast Iron Tree Gate With Frame	1,134.26	67.63
			For >3 To 9, Deduct	-74.93	
			For >9, Deduct	-154.85	
32 94 43 00-0010	EA		72" Diameter, Up To 550 LB Cast Iron Tree Gate With Frame.....	1,511.62	95.81
			For >3 To 9, Deduct	-99.00	
			For >9, Deduct	-204.60	
32 94 43 00-0011	EA		72" Diameter, >500 To 550 LB Cast Iron Tree Gate With Frame	1,571.62	95.81
			For >3 To 9, Deduct	-103.50	
			For >9, Deduct	-213.90	
32 94 43 00-0012	EA		72" Diameter, >600 To 650 LB Cast Iron Tree Gate With Frame	1,621.62	95.81
			For >3 To 9, Deduct	-107.25	
			For >9, Deduct	-221.65	
32 94 43 00-0013	EA		72" Diameter, >650 To 700 LB Cast Iron Tree Gate With Frame	1,661.62	95.81
			For >3 To 9, Deduct	-110.25	
			For >9, Deduct	-227.85	
32 94 43 00-0014	EA		72" Diameter, >700 LB Cast Iron Tree Gate With Frame	1,691.62	95.81
			For >3 To 9, Deduct	-112.50	
			For >9, Deduct	-232.50	
32 94 43 00-0015	EA		93" Diameter, 950 To 1,000 LB Cast Iron Tree Gate With Frame	1,857.44	112.71
			For >3 To 9, Deduct	-122.40	
			For >9, Deduct	-252.96	

32 94 43 00-0016 Square Cast Iron Tree Grates With Frames (32 94 43 00-0001)

32 94 43 00-0017	EA		30" x 30", 75 To 125 LB Cast Iron Tree Gate With Frame.....	407.63	33.82
			For >3 To 9, Deduct	-25.50	
			For >9, Deduct	-52.70	
32 94 43 00-0018	EA		36" x 36", 100 To 150 LB Cast Iron Tree Gate With Frame.....	492.63	33.82
			For >3 To 9, Deduct	-31.88	
			For >9, Deduct	-65.88	
32 94 43 00-0019	EA		48" x 48", Up To 200 LB Cast Iron Tree Gate With Frame	732.71	56.36
			For >3 To 9, Deduct	-46.50	
			For >9, Deduct	-96.10	
32 94 43 00-0020	EA		48" x 48", >200 To 250 LB Cast Iron Tree Gate With Frame.....	862.71	56.36
			For >3 To 9, Deduct	-56.25	
			For >9, Deduct	-116.25	
32 94 43 00-0021	EA		48" x 48", >250 To 300 LB Cast Iron Tree Gate With Frame.....	982.71	56.36
			For >3 To 9, Deduct	-65.25	
			For >9, Deduct	-134.85	
32 94 43 00-0022	EA		48" x 48", >300 To 350 LB Cast Iron Tree Gate With Frame.....	1,092.71	56.36
			For >3 To 9, Deduct	-73.50	
			For >9, Deduct	-151.90	
32 94 43 00-0023	EA		48" x 48", >350 To 400 LB Cast Iron Tree Gate With Frame.....	1,192.71	56.36
			For >3 To 9, Deduct	-81.00	
			For >9, Deduct	-167.40	
32 94 43 00-0024	EA		48" x 48", >400 LB Cast Iron Tree Gate With Frame.....	1,282.71	56.36
			For >3 To 9, Deduct	-87.75	
			For >9, Deduct	-181.35	

32 Exterior Improvements**32 90 Planting****32 94 Planting Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0025	EA		60" x 60", Up To 400 LB Cast Iron Tree Grate With Frame	1,237.81	78.90
			<i>For >3 To 9, Deduct</i>	-81.00	
			<i>For >9, Deduct</i>	-167.40	
32 94 43 00-0026	EA		60" x 60", >400 To 450 LB Cast Iron Tree Grate With Frame	1,327.81	78.90
			<i>For >3 To 9, Deduct</i>	-87.75	
			<i>For >9, Deduct</i>	-181.35	
32 94 43 00-0027	EA		60" x 60", >450 To 500 LB Cast Iron Tree Grate With Frame	1,407.81	78.90
			<i>For >3 To 9, Deduct</i>	-93.75	
			<i>For >9, Deduct</i>	-193.75	
32 94 43 00-0028	EA		60" x 60", >500 To 550 LB Cast Iron Tree Grate With Frame	1,477.81	78.90
			<i>For >3 To 9, Deduct</i>	-99.00	
			<i>For >9, Deduct</i>	-204.60	
32 94 43 00-0029	EA		60" x 60", >550 To 600 LB Cast Iron Tree Grate With Frame	1,537.81	78.90
			<i>For >3 To 9, Deduct</i>	-103.50	
			<i>For >9, Deduct</i>	-213.90	
32 94 43 00-0030	EA		60" x 60", >600 LB Cast Iron Tree Grate With Frame	1,587.81	78.90
			<i>For >3 To 9, Deduct</i>	-107.25	
			<i>For >9, Deduct</i>	-221.65	
32 94 43 00-0031	EA		72" x 72", Up To 550 LB Cast Iron Tree Grate With Frame	1,511.62	95.81
			<i>For >3 To 9, Deduct</i>	-99.00	
			<i>For >9, Deduct</i>	-204.60	
32 94 43 00-0032	EA		72" x 72", >550 To 600 LB Cast Iron Tree Grate With Frame	1,571.62	95.81
			<i>For >3 To 9, Deduct</i>	-103.50	
			<i>For >9, Deduct</i>	-213.90	
32 94 43 00-0033	EA		72" x 72", >600 To 650 LB Cast Iron Tree Grate With Frame	1,621.62	95.81
			<i>For >3 To 9, Deduct</i>	-107.25	
			<i>For >9, Deduct</i>	-221.65	
32 94 43 00-0034	EA		72" x 72", >650 To 700 LB Cast Iron Tree Grate With Frame	1,661.62	95.81
			<i>For >3 To 9, Deduct</i>	-110.25	
			<i>For >9, Deduct</i>	-227.85	
32 94 43 00-0035	EA		72" x 72", >700 To 750 LB Cast Iron Tree Grate With Frame	1,691.62	95.81
			<i>For >3 To 9, Deduct</i>	-112.50	
			<i>For >9, Deduct</i>	-232.50	
32 94 43 00-0036	EA		72" x 72", >750 To 800 LB Cast Iron Tree Grate With Frame	1,711.62	95.81
			<i>For >3 To 9, Deduct</i>	-114.00	
			<i>For >9, Deduct</i>	-235.60	
32 94 43 00-0037	EA		72" x 72", >800 To 850 LB Cast Iron Tree Grate With Frame	1,721.62	95.81
			<i>For >3 To 9, Deduct</i>	-114.75	
			<i>For >9, Deduct</i>	-237.15	
32 94 43 00-0038	EA		72" x 72", >850 LB Cast Iron Tree Grate With Frame	1,731.62	95.81
			<i>For >3 To 9, Deduct</i>	-115.50	
			<i>For >9, Deduct</i>	-238.70	
32 94 43 00-0039			Rectangular Cast Iron Tree Grates With Frames (32 94 43 00-0001)		
32 94 43 00-0040	EA		36" x 48", 200 To 250 LB Cast Iron Tree Grate With Frame	765.18	45.08
			<i>For >3 To 9, Deduct</i>	-50.63	
			<i>For >9, Deduct</i>	-104.63	
32 94 43 00-0041	EA		36" x 60", 200 To 250 LB Cast Iron Tree Grate With Frame	780.18	45.08
			<i>For >3 To 9, Deduct</i>	-51.75	
			<i>For >9, Deduct</i>	-106.95	
32 94 43 00-0042	EA		36" x 72", 275 To 325 LB Cast Iron Tree Grate With Frame	953.71	56.36
			<i>For >3 To 9, Deduct</i>	-63.08	
			<i>For >9, Deduct</i>	-130.36	
32 94 43 00-0043	EA		48" x 72", Up To 350 LB Cast Iron Tree Grate With Frame	1,120.71	56.36
			<i>For >3 To 9, Deduct</i>	-75.60	
			<i>For >9, Deduct</i>	-156.24	
32 94 43 00-0044	EA		48" x 72", >350 LB Cast Iron Tree Grate With Frame	1,192.71	56.36
			<i>For >3 To 9, Deduct</i>	-81.00	
			<i>For >9, Deduct</i>	-167.40	
32 94 43 00-0045	EA		60" x 84", 700 To 750 LB Cast Iron Tree Grate With Frame	1,601.62	95.81
			<i>For >3 To 9, Deduct</i>	-105.75	
			<i>For >9, Deduct</i>	-218.55	
32 94 49			Plant And Tree Accessories (32 94)		
32 94 49 00-0001			Tree Guying (32 94 49)		
32 94 49 00-0002			Tree Guying, Stakes (32 94 49 00-0001)		
			Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.		
32 94 49 00-0003	EA		Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap	15.32	
32 94 49 00-0004	EA		Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap	26.56	
32 94 49 00-0005	EA		Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap	45.72	
32 94 49 00-0006			Tree Guying, Anchors (32 94 49 00-0001)		
			Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.		
32 94 49 00-0007	EA		Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope	65.48	
32 94 49 00-0008	EA		Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope	88.47	
32 94 49 00-0009	EA		Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope	113.89	
32 94 49 00-0010	EA		Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope	146.28	
32 94 49 00-0011			Tree Wrap (32 94 49)		



		Exterior Improvements	32
		Planting	32 90
		Planting Accessories	32 94

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 49 00-0012 EA Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree.....	3.94	
32 94 49 00-0013 EA Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree.....	6.53	
32 94 49 00-0014 EA Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree.....	12.93	
32 94 49 00-0015 EA Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree.....	19.92	
32 94 49 00-0016 Tree Guards (32 94 49)		
32 94 49 00-0017 EA 3' Preformed Plastic Tree Guard.....	6.40	
32 94 49 00-0018 EA 2' Preformed Plastic Tree Guard.....	5.92	
32 94 49 00-0019 Stake Out Tree And Shrub Locations (32 94 49)		
Note: When no design available.		
32 94 49 00-0020 EA Stake Out Trees Or Shrubs.....	3.98	
32 94 49 00-0021 Root Barriers (32 94 49)		
32 94 49 00-0022 EA 12" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner.....	6.60	
32 94 49 00-0023 EA 18" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner.....	9.27	
32 94 49 00-0024 EA 24" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner.....	10.93	
32 94 49 00-0025 EA 36" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner.....	20.32	
32 94 49 00-0026 EA 48" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner.....	28.02	
32 96 Transplanting (32 96)		
See CSI section 32 94 49 00-0001 for guying.		
32 96 33 Shrub Transplanting (32 96)		
Note: Includes digging up, moving on site, digging new hole and replanting.		
32 96 33 00-0001 Moving Shrubs On Site, Relocate (32 96 33)		
Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.		
32 96 33 00-0002 EA Up To 18" Root Ball, Move Shrubs On Site.....	38.45	
For >25 To 50, Deduct	-3.85	
For >50, Deduct	-5.77	
32 96 33 00-0003 EA >18" To 24" Root Ball, Move Shrubs On Site.....	52.73	
For >25 To 50, Deduct	-5.27	
For >50, Deduct	-7.91	
32 96 33 00-0004 EA >24" To 30" Root Ball, Move Shrubs On Site.....	65.91	
For >25 To 50, Deduct	-6.59	
For >50, Deduct	-9.89	
32 96 33 00-0005 EA >30" To 36" Root Ball, Move Shrubs On Site.....	85.84	
For >25 To 50, Deduct	-8.58	
For >50, Deduct	-12.88	
32 96 43 Tree Transplanting (32 96)		
Note: Includes digging up, moving on site, digging new hole and replanting.		
32 96 43 00-0001 Moving Trees On Site, Relocate (32 96 43)		
Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 32 94 49 00-0001 for guying.		
32 96 43 00-0002 EA Up To 24" Root Ball, Move Trees On Site.....	175.86	
For >5 To 10, Deduct	-8.79	
For >10 To 20, Deduct	-17.59	
For >20, Deduct	-26.38	
32 96 43 00-0003 EA >24" To 30" Root Ball, Move Trees On Site.....	241.18	
For >5 To 10, Deduct	-12.06	
For >10 To 20, Deduct	-24.12	
For >20, Deduct	-36.18	
32 96 43 00-0004 EA >30" To 36" Root Ball, Move Trees On Site.....	390.81	
For >5 To 10, Deduct	-19.54	
For >10 To 20, Deduct	-39.08	
For >20, Deduct	-58.62	
32 96 43 00-0005 EA >36" To 48" Root Ball, Move Trees On Site.....	649.34	
For >5 To 10, Deduct	-32.47	
For >10 To 20, Deduct	-64.93	
For >20, Deduct	-97.40	
32 96 43 00-0006 EA >48" To 60" Root Ball, Move Trees On Site.....	1,055.18	
For >5 To 10, Deduct	-52.76	
For >10 To 20, Deduct	-105.52	
For >20, Deduct	-158.28	
32 96 43 00-0007 EA >60" To 72" Root Ball, Move Trees On Site.....	1,361.51	
For >5 To 10, Deduct	-68.08	
For >10 To 20, Deduct	-136.15	
For >20, Deduct	-204.23	
32 96 43 00-0008 EA >72" To 84" Root Ball, Move Trees On Site.....	1,758.62	
For >5 To 10, Deduct	-87.93	
For >10 To 20, Deduct	-175.86	
For >20, Deduct	-263.79	

32 Exterior Improvements**32 90 Planting**

32 96 Transplanting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 96 43 00-0009	EA		>84" To 96" Root Ball, Move Trees On Site.....	2,110.35	
			<i>For >5 To 10, Deduct</i>	-105.52	
			<i>For >10 To 20, Deduct</i>	-211.04	
			<i>For >20, Deduct</i>	-316.55	
32 96 43 00-0010	EA		>96" To 120" Root Ball, Move Trees On Site.....	2,398.12	
			<i>For >5 To 10, Deduct</i>	-119.91	
			<i>For >10 To 20, Deduct</i>	-239.81	
			<i>For >20, Deduct</i>	-359.72	

END OF SECTION 32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 Utilities

33 01 Operation And Maintenance Of Utilities ⁽³³⁾

33 01 10 Operation And Maintenance Of Water Utilities ^(33 01)

33 01 10 58 Disinfection of Water Utility Piping Systems ^(33 01 10)

33 01 10 58-0001 Water Main Disinfection/Sterilization ^(33 01 10 58)

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	610.39
33 01 10 58-0003	EA Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	305.20
33 01 10 58-0004	LF Up To 4" Diameter Pipe Water Main Disinfection/Sterilization.....	0.23
	For >250 To 500, Deduct	-0.01
	For >500 To 1,000, Deduct	-0.02
	For >1,000 To 2,000, Deduct	-0.03
	For >2,000 To 5,000, Deduct	-0.05
	For >5,000, Deduct	-0.06
33 01 10 58-0005	LF 6" Diameter Pipe Water Main Disinfection/Sterilization.....	0.35
	For >250 To 500, Deduct	-0.02
	For >500 To 1,000, Deduct	-0.04
	For >1,000 To 2,000, Deduct	-0.05
	For >2,000 To 5,000, Deduct	-0.07
	For >5,000, Deduct	-0.09
33 01 10 58-0006	LF 8" Diameter Pipe Water Main Disinfection/Sterilization.....	0.45
	For >250 To 500, Deduct	-0.02
	For >500 To 1,000, Deduct	-0.05
	For >1,000 To 2,000, Deduct	-0.07
	For >2,000 To 5,000, Deduct	-0.09
	For >5,000, Deduct	-0.11
33 01 10 58-0007	LF 10" Diameter Pipe Water Main Disinfection/Sterilization.....	0.54
	For >250 To 500, Deduct	-0.03
	For >500 To 1,000, Deduct	-0.05
	For >1,000 To 2,000, Deduct	-0.08
	For >2,000 To 5,000, Deduct	-0.11
	For >5,000, Deduct	-0.14
33 01 10 58-0008	LF 12" Diameter Pipe Water Main Disinfection/Sterilization.....	0.71
	For >250 To 500, Deduct	-0.04
	For >500 To 1,000, Deduct	-0.07
	For >1,000 To 2,000, Deduct	-0.11
	For >2,000 To 5,000, Deduct	-0.14
	For >5,000, Deduct	-0.18

33 01 30 Operation And Maintenance Of Sewer Utilities ^(33 01)

33 01 30 11 Television Inspection Of Pipelines ^(33 01 30)

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 11-0001 Remote Visual inspection (RVI) Of Pipe Interior And Culverts ^(33 01 30 11)

33 01 30 11-0002 Video Camera Set-up ^(33 01 30 11-0001)

33 01 30 11-0003	EA Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert.....	560.39
	Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1"-12" diameter pipes for distances up to 300 feet.	
33 01 30 11-0004	EA Initial Set Up For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert.....	1,120.76
	Note: Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).	
33 01 30 11-0005	EA Initial Set Up For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert.....	1,681.15
33 01 30 11-0006	EA Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert.....	280.19
33 01 30 11-0007	EA Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert.....	560.39

33 01 30 11-0008 Video Camera Planning And Analysis Inspection ^(33 01 30 11-0001)

Note: For pipe interior and culverts.

33 01 30 11-0009	LF 4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase.....	1.42
	Note: CCTV inspection of pipe interior.	
	For >500 To 1,000, Deduct	-0.14
	For >1,000 To 5,000, Deduct	-0.36
	For >5,000, Deduct	-0.50
33 01 30 11-0010	LF >6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase.....	1.89
	Note: CCTV inspection of pipe interior.	
	For >500 To 1,000, Deduct	-0.19
	For >1,000 To 5,000, Deduct	-0.47
	For >5,000, Deduct	-0.66
33 01 30 11-0011	LF >12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase.....	2.36
	Note: CCTV inspection of pipe interior.	
	For >500 To 1,000, Deduct	-0.24
	For >1,000 To 5,000, Deduct	-0.59
	For >5,000, Deduct	-0.83

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0012 LF >21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase.....	3.16	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.32	
For >1,000 To 5,000, Deduct	-0.79	
For >5,000, Deduct	-1.11	
33 01 30 11-0013 LF >30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase.....	4.44	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.44	
For >1,000 To 5,000, Deduct	-1.11	
For >5,000, Deduct	-1.55	
33 01 30 11-0014 LF >42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase.....	5.92	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.59	
For >1,000 To 5,000, Deduct	-1.48	
For >5,000, Deduct	-2.07	
33 01 30 11-0015 LF >60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase.....	8.35	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.84	
For >1,000 To 5,000, Deduct	-2.09	
For >5,000, Deduct	-2.92	
33 01 30 11-0016 LF >72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase.....	11.84	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.18	
For >1,000 To 5,000, Deduct	-2.96	
For >5,000, Deduct	-4.14	
33 01 30 11-0017 Video Camera Pre-Rehab For Pipe Interior And Culverts (33 01 30 11-0001)		
33 01 30 11-0018 LF 4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	2.10	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.21	
For >1,000 To 5,000, Deduct	-0.53	
For >5,000, Deduct	-0.74	
33 01 30 11-0019 LF >6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	2.80	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.28	
For >1,000 To 5,000, Deduct	-0.70	
For >5,000, Deduct	-0.98	
33 01 30 11-0020 LF >12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	3.50	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.35	
For >1,000 To 5,000, Deduct	-0.88	
For >5,000, Deduct	-1.23	
33 01 30 11-0021 LF >21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	4.67	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.47	
For >1,000 To 5,000, Deduct	-1.17	
For >5,000, Deduct	-1.63	
33 01 30 11-0022 LF >30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	6.57	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.66	
For >1,000 To 5,000, Deduct	-1.64	
For >5,000, Deduct	-2.30	
33 01 30 11-0023 LF >42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	8.75	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.88	
For >1,000 To 5,000, Deduct	-2.19	
For >5,000, Deduct	-3.06	
33 01 30 11-0024 LF >60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	12.36	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.24	
For >1,000 To 5,000, Deduct	-3.09	
For >5,000, Deduct	-4.33	
33 01 30 11-0025 LF >72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	17.51	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.75	
For >1,000 To 5,000, Deduct	-4.38	
For >5,000, Deduct	-6.13	
33 01 30 11-0026 Video Camera Post-Rehab For Pipe Interior And Culverts (33 01 30 11-0001)		
33 01 30 11-0027 LF 4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	1.50	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.15	
For >1,000 To 5,000, Deduct	-0.38	
For >5,000, Deduct	-0.53	
33 01 30 11-0028 LF >6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	2.00	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.20	
For >1,000 To 5,000, Deduct	-0.50	
For >5,000, Deduct	-0.70	
33 01 30 11-0029 LF >12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	2.50	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.25	
For >1,000 To 5,000, Deduct	-0.63	
For >5,000, Deduct	-0.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0030 LF >21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	3.34	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.33	
For >1,000 To 5,000, Deduct	-0.84	
For >5,000, Deduct	-1.17	
33 01 30 11-0031 LF >30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	4.70	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.47	
For >1,000 To 5,000, Deduct	-1.18	
For >5,000, Deduct	-1.65	
33 01 30 11-0032 LF >42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	6.26	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.63	
For >1,000 To 5,000, Deduct	-1.57	
For >5,000, Deduct	-2.19	
33 01 30 11-0033 LF >60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	8.83	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.88	
For >1,000 To 5,000, Deduct	-2.21	
For >5,000, Deduct	-3.09	
33 01 30 11-0034 LF >72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	12.50	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.25	
For >1,000 To 5,000, Deduct	-3.13	
For >5,000, Deduct	-4.38	
33 01 30 41		
Cleaning of Sewers <small>(33 01 30)</small>		
33 01 30 41-0001 Pipe Line Cleaning And Flushing <small>(33 01 30 41)</small>		
Note: Includes flushing. Owner provided water.		
33 01 30 41-0002 Pipe Line Cleaning <small>(33 01 30 41-0001)</small>		
Note: Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0003 Hydro Jet Set-up And Reinsertion <small>(33 01 30 41-0002)</small>		
33 01 30 41-0004 EA Initial Set Up And Final Equipment Removal For Jet Cleaning.....	1,670.91	
33 01 30 41-0005 EA Move And Reset Up At Different Access/Location For Jet Cleaning.....	417.73	
33 01 30 41-0006 Hydro Jet Cleaning Of Sewer And Water Pipelines <small>(33 01 30 41-0002)</small>		
33 01 30 41-0007 LF Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	2.25	
For >250 To 500, Deduct	-0.11	
For >500 To 1,000, Deduct	-0.23	
For >1,000 To 2,000, Deduct	-0.34	
For >2,000 To 5,000, Deduct	-0.45	
For >5,000, Deduct	-0.56	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	1.69	
33 01 30 41-0008 LF 6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	2.58	
For >250 To 500, Deduct	-0.13	
For >500 To 1,000, Deduct	-0.26	
For >1,000 To 2,000, Deduct	-0.39	
For >2,000 To 5,000, Deduct	-0.52	
For >5,000, Deduct	-0.65	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	1.94	
33 01 30 41-0009 LF 8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	3.03	
For >250 To 500, Deduct	-0.15	
For >500 To 1,000, Deduct	-0.30	
For >1,000 To 2,000, Deduct	-0.45	
For >2,000 To 5,000, Deduct	-0.61	
For >5,000, Deduct	-0.76	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	2.27	
33 01 30 41-0010 LF 10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	3.75	
For >250 To 500, Deduct	-0.19	
For >500 To 1,000, Deduct	-0.38	
For >1,000 To 2,000, Deduct	-0.56	
For >2,000 To 5,000, Deduct	-0.75	
For >5,000, Deduct	-0.94	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	2.81	
33 01 30 41-0011 LF 12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	4.25	
For >250 To 500, Deduct	-0.21	
For >500 To 1,000, Deduct	-0.43	
For >1,000 To 2,000, Deduct	-0.64	
For >2,000 To 5,000, Deduct	-0.85	
For >5,000, Deduct	-1.06	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	3.19	
33 01 30 41-0012 LF >12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	4.91	
For >250 To 500, Deduct	-0.25	
For >500 To 1,000, Deduct	-0.49	
For >1,000 To 2,000, Deduct	-0.74	
For >2,000 To 5,000, Deduct	-0.98	
For >5,000, Deduct	-1.23	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	3.68	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0013 LF >16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	5.90	
For >250 To 500, Deduct	-0.30	
For >500 To 1,000, Deduct	-0.59	
For >1,000 To 2,000, Deduct	-0.89	
For >2,000 To 5,000, Deduct	-1.18	
For >5,000, Deduct	-1.48	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	4.43	
33 01 30 41-0014 LF >24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	6.70	
For >250 To 500, Deduct	-0.34	
For >500 To 1,000, Deduct	-0.67	
For >1,000 To 2,000, Deduct	-1.01	
For >2,000 To 5,000, Deduct	-1.34	
For >5,000, Deduct	-1.68	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	5.03	
33 01 30 41-0015 Flushing Of Storm Water Pipelines (33 01 30 41-0002)		
Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.		
33 01 30 41-0016 LF 12" To 16" Diameter Pipe Line Flushing.....	0.84	
For >250 To 500, Deduct	-0.04	
For >500 To 1,000, Deduct	-0.08	
For >1,000 To 2,000, Deduct	-0.13	
For >2,000 To 5,000, Deduct	-0.17	
For >5,000, Deduct	-0.21	
33 01 30 41-0017 LF >16" To 24" Diameter Pipe Line Flushing.....	0.97	
For >250 To 500, Deduct	-0.05	
For >500 To 1,000, Deduct	-0.10	
For >1,000 To 2,000, Deduct	-0.15	
For >2,000 To 5,000, Deduct	-0.19	
For >5,000, Deduct	-0.24	
33 01 30 41-0018 LF >24" To 30" Diameter Pipe Line Flushing.....	1.13	
For >250 To 500, Deduct	-0.06	
For >500 To 1,000, Deduct	-0.11	
For >1,000 To 2,000, Deduct	-0.17	
For >2,000 To 5,000, Deduct	-0.23	
For >5,000, Deduct	-0.28	
33 01 30 41-0019 LF >30" To 42" Diameter Pipe Line Flushing.....	1.31	
For >250 To 500, Deduct	-0.07	
For >500 To 1,000, Deduct	-0.13	
For >1,000 To 2,000, Deduct	-0.20	
For >2,000 To 5,000, Deduct	-0.26	
For >5,000, Deduct	-0.33	
33 01 30 41-0020 LF >42" To 60" Diameter Pipe Line Flushing.....	1.75	
For >250 To 500, Deduct	-0.09	
For >500 To 1,000, Deduct	-0.18	
For >1,000 To 2,000, Deduct	-0.26	
For >2,000 To 5,000, Deduct	-0.35	
For >5,000, Deduct	-0.44	
33 01 30 41-0021 Hydro Jet Cleaning Of Culverts (33 01 30 41-0002)		
33 01 30 41-0022 LF Jet Cleaning Of Culvert, 0-250 LF.....	10.40	
For >250 To 500, Deduct	-0.52	
For >500 To 1,000, Deduct	-1.04	
For >1,000 To 2,000, Deduct	-1.56	
For >2,000 To 5,000, Deduct	-2.08	
For >5,000, Deduct	-2.60	
33 01 30 41-0023 Pipe Line Cleaning, Mechanical Method (33 01 30 41-0001)		
Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0024 EA Initial Set Up And Final Equipment Removal For Mechanical Cleaning.....	732.47	
33 01 30 41-0025 EA Move And Reset Up At Different Access/Location.....	244.16	
33 01 30 41-0026 LF Up To 4" Diameter Pipe Line Cleaning, Mechanical Method.....	4.22	
For >250 To 500, Deduct	-0.20	
For >500 To 1,000, Deduct	-0.41	
For >1,000 To 2,000, Deduct	-0.61	
For >2,000 To 5,000, Deduct	-0.81	
For >5,000, Deduct	-1.02	
33 01 30 41-0027 LF 6" Diameter Pipe Line Cleaning, Mechanical Method.....	5.54	
For >250 To 500, Deduct	-0.26	
For >500 To 1,000, Deduct	-0.52	
For >1,000 To 2,000, Deduct	-0.79	
For >2,000 To 5,000, Deduct	-1.05	
For >5,000, Deduct	-1.31	
33 01 30 41-0028 LF 8" Diameter Pipe Line Cleaning, Mechanical Method.....	6.49	
For >250 To 500, Deduct	-0.31	
For >500 To 1,000, Deduct	-0.61	
For >1,000 To 2,000, Deduct	-0.92	
For >2,000 To 5,000, Deduct	-1.22	
For >5,000, Deduct	-1.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0029 LF 10" Diameter Pipe Line Cleaning, Mechanical Method.....	7.50	
<i>For >250 To 500, Deduct</i>	-0.35	
<i>For >500 To 1,000, Deduct</i>	-0.71	
<i>For >1,000 To 2,000, Deduct</i>	-1.06	
<i>For >2,000 To 5,000, Deduct</i>	-1.41	
<i>For >5,000, Deduct</i>	-1.76	
33 01 30 41-0030 LF 12" Diameter Pipe Line Cleaning, Mechanical Method.....	8.16	
<i>For >250 To 500, Deduct</i>	-0.38	
<i>For >500 To 1,000, Deduct</i>	-0.76	
<i>For >1,000 To 2,000, Deduct</i>	-1.14	
<i>For >2,000 To 5,000, Deduct</i>	-1.53	
<i>For >5,000, Deduct</i>	-1.91	
33 01 30 41-0031 Pipe Line Auguring/Rod Out Pipe (33 01 30 41-0001)		
33 01 30 41-0032 EA Initial Set Up And Final Equipment Removal For Auguring	732.47	
33 01 30 41-0033 EA Move And Reset Up At Different Location	244.16	
33 01 30 41-0034 LF Up To 4" Diameter Pipe Line Auguring/Rod Out.....	2.44	
<i>For >250 To 500, Deduct</i>	-0.12	
<i>For >500 To 1,000, Deduct</i>	-0.24	
<i>For >1,000 To 2,000, Deduct</i>	-0.37	
<i>For >2,000 To 5,000, Deduct</i>	-0.49	
<i>For >5,000, Deduct</i>	-0.61	
33 01 30 41-0035 LF 6" Diameter Pipe Line Auguring/Rod Out	3.16	
<i>For >250 To 500, Deduct</i>	-0.16	
<i>For >500 To 1,000, Deduct</i>	-0.32	
<i>For >1,000 To 2,000, Deduct</i>	-0.47	
<i>For >2,000 To 5,000, Deduct</i>	-0.63	
<i>For >5,000, Deduct</i>	-0.79	
33 01 30 41-0036 LF 8" Diameter Pipe Line Auguring/Rod Out	3.67	
<i>For >250 To 500, Deduct</i>	-0.18	
<i>For >500 To 1,000, Deduct</i>	-0.37	
<i>For >1,000 To 2,000, Deduct</i>	-0.55	
<i>For >2,000 To 5,000, Deduct</i>	-0.73	
<i>For >5,000, Deduct</i>	-0.92	
33 01 30 41-0037 LF 10" Diameter Pipe Line Auguring/Rod Out	4.26	
<i>For >250 To 500, Deduct</i>	-0.21	
<i>For >500 To 1,000, Deduct</i>	-0.43	
<i>For >1,000 To 2,000, Deduct</i>	-0.64	
<i>For >2,000 To 5,000, Deduct</i>	-0.85	
<i>For >5,000, Deduct</i>	-1.07	
33 01 30 41-0038 LF 12" Diameter Pipe Line Auguring/Rod Out	4.57	
<i>For >250 To 500, Deduct</i>	-0.23	
<i>For >500 To 1,000, Deduct</i>	-0.46	
<i>For >1,000 To 2,000, Deduct</i>	-0.69	
<i>For >2,000 To 5,000, Deduct</i>	-0.91	
<i>For >5,000, Deduct</i>	-1.14	
33 01 30 41-0039 LF >12" To 16" Diameter Pipe Line Auguring/Rod Out.....	5.24	
<i>For >250 To 500, Deduct</i>	-0.26	
<i>For >500 To 1,000, Deduct</i>	-0.52	
<i>For >1,000 To 2,000, Deduct</i>	-0.79	
<i>For >2,000 To 5,000, Deduct</i>	-1.05	
<i>For >5,000, Deduct</i>	-1.31	
33 01 30 41-0040 LF >16" To 24" Diameter Pipe Line Auguring/Rod Out.....	6.43	
<i>For >250 To 500, Deduct</i>	-0.32	
<i>For >500 To 1,000, Deduct</i>	-0.64	
<i>For >1,000 To 2,000, Deduct</i>	-0.96	
<i>For >2,000 To 5,000, Deduct</i>	-1.29	
<i>For >5,000, Deduct</i>	-1.61	
33 01 30 41-0041 LF >24" To 30" Diameter Pipe Line Auguring/Rod Out.....	7.18	
<i>For >250 To 500, Deduct</i>	-0.36	
<i>For >500 To 1,000, Deduct</i>	-0.72	
<i>For >1,000 To 2,000, Deduct</i>	-1.08	
<i>For >2,000 To 5,000, Deduct</i>	-1.44	
<i>For >5,000, Deduct</i>	-1.80	
33 01 30 41-0042 LF >30" To 42" Diameter Pipe Line Auguring/Rod Out.....	8.32	
<i>For >250 To 500, Deduct</i>	-0.42	
<i>For >500 To 1,000, Deduct</i>	-0.83	
<i>For >1,000 To 2,000, Deduct</i>	-1.25	
<i>For >2,000 To 5,000, Deduct</i>	-1.66	
<i>For >5,000, Deduct</i>	-2.08	
33 01 30 41-0043 LF >42 To 60" Diameter Pipe Line Auguring/Rod Out.....	11.44	
<i>For >250 To 500, Deduct</i>	-0.57	
<i>For >500 To 1,000, Deduct</i>	-1.14	
<i>For >1,000 To 2,000, Deduct</i>	-1.72	
<i>For >2,000 To 5,000, Deduct</i>	-2.29	
<i>For >5,000, Deduct</i>	-2.86	
33 01 30 41-0044 LF >60" Diameter Pipe Line Auguring/Rod Out	12.21	
<i>For >250 To 500, Deduct</i>	-0.61	
<i>For >500 To 1,000, Deduct</i>	-1.22	
<i>For >1,000 To 2,000, Deduct</i>	-1.83	
<i>For >2,000 To 5,000, Deduct</i>	-2.44	
<i>For >5,000, Deduct</i>	-3.05	

33 01 30 42 Cleaning of Manholes (33 01 30)

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 42-0001	Structure Cleaning And Flushing <small>(33 01 30 42)</small>		
	Note: Includes flushing. Owner provided water.		
33 01 30 42-0002	Rod Out Structures And Other Hand Operations <small>(33 01 30 42-0001)</small>		
33 01 30 42-0003	EA Rod Out Sewer Catch Basin	63.05	
33 01 30 42-0004	EA Clean Out Debris From Entrance To Inlet Structure	157.63	
33 01 30 42-0005	EA 3' To 4' Diameter, Clean Out Blocked Manhole By Hand.....	523.98	
	For >10 To 100, Deduct	-78.60	
	For >100 To 250, Deduct	-117.90	
	For >250, Deduct	-157.19	
33 01 30 42-0006	EA 5' To 6' Diameter, Clean Out Blocked Manhole By Hand.....	628.77	
	For >10 To 100, Deduct	-94.32	
	For >100 To 250, Deduct	-141.47	
	For >250, Deduct	-188.63	
33 01 30 42-0007	EA Clean Out Blocked Catch Basin By Hand.....	314.39	
	For >10 To 100, Deduct	-47.16	
	For >100 To 250, Deduct	-70.74	
	For >250, Deduct	-94.32	
33 01 30 42-0008	Cleaning Manholes And Drainage Structures <small>(33 01 30 42-0001)</small>		
	Note: Includes removal of debris. Excludes disposal.		
33 01 30 42-0009	VLF Waterblast Cleaning For 3' To 4' Diameter Manhole.....	69.62	
33 01 30 42-0010	VLF Waterblast Cleaning For 5' To 6' Diameter Manhole.....	87.03	
33 01 30 42-0011	EA Vacuum Out 1 To 2 Catch Basins Or Manholes	969.55	
	Note: Includes vacuum pump equipment.		
33 01 30 42-0012	EA Vacuum Out 3 To 10 Catch Basins Or Manholes	727.16	
	Note: Includes vacuum pump equipment.		
33 01 30 42-0013	EA Vacuum Out 11 To 25 Catch Basins Or Manholes	484.78	
	Note: Includes vacuum pump equipment.		
33 01 30 42-0014	EA Vacuum Out 26 To 100 Catch Basins Or Manholes	424.18	
	Note: Includes vacuum pump equipment.		
33 01 30 42-0015	EA Vacuum Out 101 To 250 Catch Basins Or Manholes	393.88	
	Note: Includes vacuum pump equipment.		
33 01 30 42-0016	EA Vacuum Out >250 Catch Basins Or Manholes	363.58	
	Note: Includes vacuum pump equipment.		
33 01 30 51	Maintenance Of Utilities <small>(33 01 30)</small>		
33 01 30 51-0001	Pipe Repair <small>(33 01 30 51)</small>		
33 01 30 51-0002	Pipe Repair Clamp, Full Circle, Single Band <small>(33 01 30 51-0001)</small>		
	Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0003	EA 2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	104.78	
	For Stainless Steel Nuts And Bolts, Add	18.76	
33 01 30 51-0004	EA 2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	151.07	
	For Stainless Steel Nuts And Bolts, Add	28.27	
33 01 30 51-0005	EA 2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	175.39	
	For Stainless Steel Nuts And Bolts, Add	33.30	
33 01 30 51-0006	EA 2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	200.31	
	For Stainless Steel Nuts And Bolts, Add	38.31	
33 01 30 51-0007	EA 2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	113.21	
	For Stainless Steel Nuts And Bolts, Add	20.38	
33 01 30 51-0008	EA 2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	160.74	
	For Stainless Steel Nuts And Bolts, Add	30.17	
33 01 30 51-0009	EA 2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	184.89	
	For Stainless Steel Nuts And Bolts, Add	35.08	
33 01 30 51-0010	EA 2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	214.34	
	For Stainless Steel Nuts And Bolts, Add	41.05	
33 01 30 51-0011	EA 3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	122.25	
	For Stainless Steel Nuts And Bolts, Add	22.29	
33 01 30 51-0012	EA 3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	167.41	
	For Stainless Steel Nuts And Bolts, Add	31.55	
33 01 30 51-0013	EA 3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	194.22	
	For Stainless Steel Nuts And Bolts, Add	36.99	
33 01 30 51-0014	EA 3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	227.50	
	For Stainless Steel Nuts And Bolts, Add	43.91	
33 01 30 51-0015	EA 4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	138.04	
	For Stainless Steel Nuts And Bolts, Add	25.34	
33 01 30 51-0016	EA 4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	183.17	
	For Stainless Steel Nuts And Bolts, Add	34.12	
33 01 30 51-0017	EA 4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	222.35	
	For Stainless Steel Nuts And Bolts, Add	41.53	
33 01 30 51-0018	EA 4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	267.96	
	For Stainless Steel Nuts And Bolts, Add	50.10	
33 01 30 51-0019	EA 4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	352.71	
	For Stainless Steel Nuts And Bolts, Add	67.29	
33 01 30 51-0020	EA 4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	439.85	
	For Stainless Steel Nuts And Bolts, Add	84.48	
33 01 30 51-0021	EA 4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	537.36	
	For Stainless Steel Nuts And Bolts, Add	103.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0022 EA 6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	162.42 29.91	
33 01 30 51-0023 EA 6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	216.87 40.57	
33 01 30 51-0024 EA 6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	256.58 47.84	
33 01 30 51-0025 EA 6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	300.00 55.59	
33 01 30 51-0026 EA 6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	420.18 80.56	
33 01 30 51-0027 EA 6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	511.29 98.23	
33 01 30 51-0028 EA 6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	610.76 117.39	
33 01 30 51-0029 EA 8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	207.38 35.78	
33 01 30 51-0030 EA 8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	270.61 47.35	
33 01 30 51-0031 EA 8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	326.83 57.30	
33 01 30 51-0032 EA 8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	390.11 68.28	
33 01 30 51-0033 EA 8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	523.28 94.59	
33 01 30 51-0034 EA 8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	625.83 113.10	
33 01 30 51-0035 EA 8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	740.06 133.12	
33 01 30 51-0036 EA 10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	245.04 43.55	
33 01 30 51-0037 EA 10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	331.52 60.24	
33 01 30 51-0038 EA 10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	389.77 70.43	
33 01 30 51-0039 EA 10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	479.14 87.11	
33 01 30 51-0040 EA 10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	634.20 118.16	
33 01 30 51-0041 EA 10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	718.61 132.06	
33 01 30 51-0042 EA 10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	930.44 174.23	
33 01 30 51-0043 EA 12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	278.33 49.12	
33 01 30 51-0044 EA 12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	365.00 65.33	
33 01 30 51-0045 EA 12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	440.85 79.05	
33 01 30 51-0046 EA 12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	543.67 98.23	
33 01 30 51-0047 EA 12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	704.01 129.75	
33 01 30 51-0048 EA 12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	826.52 151.52	
33 01 30 51-0049 EA 12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,055.61 196.47	
33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands <small>(33 01 30 51-0001)</small>		
<i>Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.</i>		
33 01 30 51-0051 EA 14.38"-15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	643.94 188.99	
33 01 30 51-0052 EA 14.38"-15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	917.28 272.83	
33 01 30 51-0053 EA 14.38"-15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,237.52 370.00	
33 01 30 51-0054 EA 14.38"-15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,834.16 557.66	
33 01 30 51-0055 EA 15.07"-15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	675.83 198.29	
33 01 30 51-0056 EA 15.07"-15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	960.12 285.48	
33 01 30 51-0057 EA 15.07"-15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,291.93 385.97	
33 01 30 51-0058 EA 15.07"-15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,922.44 584.27	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	30 51-0059	EA	15.92"-16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	692.13	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	202.30	
33 01	30 51-0060	EA	15.92"-16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	981.62	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	290.82	
33 01	30 51-0061	EA	15.92"-16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,324.50	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	394.62	
33 01	30 51-0062	EA	15.92"-16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,969.32	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	596.91	
33 01	30 51-0063	EA	16.56"-17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	709.06	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	206.29	
33 01	30 51-0064	EA	16.56"-17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,006.05	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	296.80	
33 01	30 51-0065	EA	16.56"-17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,355.09	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	401.94	
33 01	30 51-0066	EA	16.56"-17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,015.59	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	608.90	
33 01	30 51-0067	EA	17.15"-17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	724.05	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	209.62	
33 01	30 51-0068	EA	17.15"-17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,026.51	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	301.45	
33 01	30 51-0069	EA	17.15"-17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,385.68	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	409.25	
33 01	30 51-0070	EA	17.15"-17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,056.62	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	618.87	
33 01	30 51-0071	EA	17.82"-18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	738.38	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	212.96	
33 01	30 51-0072	EA	17.82"-18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,048.01	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	306.78	
33 01	30 51-0073	EA	17.82"-18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,413.03	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	415.91	
33 01	30 51-0074	EA	17.82"-18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,081.63	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	623.86	
33 01	30 51-0075	EA	18.46"-19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	755.09	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	217.10	
33 01	30 51-0076	EA	18.46"-19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,073.72	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	313.43	
33 01	30 51-0077	EA	18.46"-19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,442.32	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	423.23	
33 01	30 51-0078	EA	18.46"-19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,143.24	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	641.50	

33 01 30 81 Manhole Rehabilitation (33 01 30)**33 01 30 81-0001 Restoration And Rehabilitation Of Manholes (33 01 30 81)**

Note: Work is in confined spaces.

33 01 30 81-0002 Manhole Seals (33 01 30 81-0001)**33 01 30 81-0003 Internal Manhole Chimney Seals (33 01 30 81-0002)**

Note: Cretex.

33 01	30 81-0004	EA	20" Internal Manhole Chimney Seal	322.25	
33 01	30 81-0005	EA	22" Internal Manhole Chimney Seal	339.66	
33 01	30 81-0006	EA	24" Internal Manhole Chimney Seal	348.38	
33 01	30 81-0007	EA	26" Internal Manhole Chimney Seal	400.64	
33 01	30 81-0008	EA	28" Internal Manhole Chimney Seal	452.89	
33 01	30 81-0009	EA	30" Internal Manhole Chimney Seal	505.15	
33 01	30 81-0010	EA	36" Internal Manhole Chimney Seal	609.67	

33 01 30 81-0011 External Manhole Encapsulation (33 01 30 81-0002)

Note: Wrapidseal.

33 01	30 81-0012	EA	24" External Manhole Encapsulation	470.31	
33 01	30 81-0013	EA	30" External Manhole Encapsulation	496.45	
33 01	30 81-0014	EA	36" External Manhole Encapsulation	531.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0015 EA 42" External Manhole Encapsulation	574.83	
33 01 30 81-0016 EA 48" External Manhole Encapsulation	635.79	
33 01 30 81-0017 EA 54" External Manhole Encapsulation	705.48	
33 01 30 81-0018 EA 60" External Manhole Encapsulation	792.57	
33 01 30 81-0019 Manhole Crack Repair <small>(33 01 30 81-0001)</small> Note: Includes removing loose materials and cleaning.		
33 01 30 81-0020 LF Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair	33.55	
33 01 30 81-0021 LF >1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair	45.18	
33 01 30 81-0022 LF Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair	31.30	
33 01 30 81-0023 LF >1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair	42.37	
33 01 30 81-0024 Manhole Patching <small>(33 01 30 81-0001)</small> Note: Includes removing loose materials and cleaning.		
33 01 30 81-0025 SF Up To 1/4" Thick, Cementitious Grout, Manhole Patching	9.12	
33 01 30 81-0026 SF Up To 1/4" Thick, Epoxy Grout, Manhole Patching	23.53	
33 01 30 81-0027 Manhole Joint Restoration <small>(33 01 30 81-0001)</small> Note: Includes drilling holes at joints, fill joints with grout.		
33 01 30 81-0028 EA 3' Diameter Joint Restoration, Grout Fill Per Each Manhole	1,273.96	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. <i>For Grouting Each Additional Manhole Joint Section, Add</i>	168.77	
33 01 30 81-0029 EA 3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole	1,487.13	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. <i>For Grouting Each Additional Manhole Joint Section, Add</i>	184.39	
33 01 30 81-0030 EA 4' Diameter Joint Restoration, Grout Fill Per Each Manhole	1,698.61	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. <i>For Grouting Each Additional Manhole Joint Section, Add</i>	200.02	
33 01 30 81-0031 EA 5' Diameter Joint Restoration, Grout Fill Per Each Manhole	2,006.90	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. <i>For Grouting Each Additional Manhole Joint Section, Add</i>	207.83	
33 01 30 81-0032 EA 6' Diameter Joint Restoration, Grout Fill Per Each Manhole	2,314.35	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. <i>For Grouting Each Additional Manhole Joint Section, Add</i>	215.65	
33 01 30 81-0033 Step Installation In Existing Manholes <small>(33 01 30 81-0001)</small> Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 81-0034 EA Drill And Grout 8" x 9" Cast Iron Manhole Steps	77.86	13.45
33 01 30 81-0035 EA Drill And Grout Galvanized Steel Manhole Step	65.20	13.45
33 01 30 81-0036 EA Bolt On Galvanized Steel Manhole Step	70.77	13.45
33 01 30 81-0037 EA Drill And Grout Aluminum Manhole Step	62.64	13.45
33 01 30 81-0038 EA Drill And Insert Polypropylene Manhole Step	39.52	10.76
33 01 30 81-0039 Invert Restoration <small>(33 01 30 81-0001)</small> Note: Includes removal of existing defective material and installation of new material.		
33 01 30 81-0040 Concrete Invert Restoration <small>(33 01 30 81-0039)</small>		
33 01 30 81-0041 EA 2' Diameter, Concrete Invert Restoration	226.32	
33 01 30 81-0042 EA 3' Diameter, Concrete Invert Restoration	254.92	
33 01 30 81-0043 EA 4' Diameter, Concrete Invert Restoration	283.51	
33 01 30 81-0044 EA 5' Diameter, Concrete Invert Restoration	312.11	
33 01 30 81-0045 EA 6' Diameter, Concrete Invert Restoration	397.90	
33 01 30 81-0046 SF Square Or Rectangular, Concrete Invert Restoration	22.55	
33 01 30 81-0047 Brick Invert Restoration <small>(33 01 30 81-0039)</small>		
33 01 30 81-0048 EA 2' Diameter, Brick Invert Restoration	351.41	
33 01 30 81-0049 EA 3' Diameter, Brick Invert Restoration	380.00	
33 01 30 81-0050 EA 4' Diameter, Brick Invert Restoration	408.60	
33 01 30 81-0051 EA 5' Diameter, Brick Invert Restoration	437.20	
33 01 30 81-0052 EA 6' Diameter, Brick Invert Restoration	465.80	
33 01 30 81-0053 SF Square Or Rectangular, Brick Invert Restoration	31.66	
33 01 30 82 Lining For Concrete Manholes <small>(33 01 30)</small>		
33 01 30 82-0001 Manhole Lining <small>(33 01 30 82)</small> Note: Includes power washing and cleaning of manhole interiors.		
33 01 30 82-0002 Cementitious Manhole Restoration, Interior <small>(33 01 30 82-0001)</small>		
33 01 30 82-0003 VLF 1/2" Cementitious Restoration On 3' Diameter Manhole Interior	90.88	
<i>For Each Additional 1/2" Thick Material, Add</i>	22.41	
<i>For 2 To 5 Manholes, Deduct</i>	-6.40	
<i>For 6 To 10 Manholes, Deduct</i>	-10.53	
<i>For >10 Manholes, Deduct</i>	-21.06	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 82-0004 VLF 1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior.....	105.38	
For Each Additional 1/2" Thick Material, Add	26.08	
For 2 To 5 Manholes, Deduct	-7.42	
For 6 To 10 Manholes, Deduct	-12.20	
For >10 Manholes, Deduct	-24.40	
33 01 30 82-0005 VLF 1/2" Cementitious Restoration On 4' Diameter Manhole Interior.....	119.87	
For Each Additional 1/2" Thick Material, Add	29.75	
For 2 To 5 Manholes, Deduct	-8.44	
For 6 To 10 Manholes, Deduct	-13.87	
For >10 Manholes, Deduct	-27.75	
33 01 30 82-0006 VLF 1/2" Cementitious Restoration On 5' Diameter Manhole Interior.....	141.19	
For Each Additional 1/2" Thick Material, Add	36.43	
For 2 To 5 Manholes, Deduct	-9.89	
For 6 To 10 Manholes, Deduct	-16.25	
For >10 Manholes, Deduct	-32.51	
33 01 30 82-0007 VLF 1/2" Cementitious Restoration On 6' Diameter Manhole Interior.....	154.41	
For Each Additional 1/2" Thick Material, Add	42.08	
For 2 To 5 Manholes, Deduct	-10.75	
For 6 To 10 Manholes, Deduct	-17.64	
For >10 Manholes, Deduct	-35.27	
33 01 30 82-0008 Polyurethane Manhole Restoration, Interior (33 01 30 82-0001)		
33 01 30 82-0009 VLF 60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	186.41	
For 80 Mil Material, Add	16.72	
For 100 Mil Material, Add	33.44	
For 125 Mil Material, Add	51.04	
For 150 Mil Material, Add	68.64	
For 200 Mil Material, Add	95.06	
For 2 To 5 Manholes, Deduct	-13.72	
For 6 To 10 Manholes, Deduct	-22.77	
For >10 Manholes, Deduct	-45.54	
33 01 30 82-0010 VLF 60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	227.25	
For 80 Mil Material, Add	20.24	
For 100 Mil Material, Add	40.48	
For 125 Mil Material, Add	61.75	
For 150 Mil Material, Add	83.02	
For 200 Mil Material, Add	114.82	
For 2 To 5 Manholes, Deduct	-16.73	
For 6 To 10 Manholes, Deduct	-27.79	
For >10 Manholes, Deduct	-55.58	
33 01 30 82-0011 VLF 60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	248.55	
For 80 Mil Material, Add	22.29	
For 100 Mil Material, Add	44.59	
For 125 Mil Material, Add	68.06	
For 150 Mil Material, Add	91.53	
For 200 Mil Material, Add	126.76	
For 2 To 5 Manholes, Deduct	-18.29	
For 6 To 10 Manholes, Deduct	-30.36	
For >10 Manholes, Deduct	-60.72	
33 01 30 82-0012 VLF 60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	310.68	
For 80 Mil Material, Add	27.87	
For 100 Mil Material, Add	55.73	
For 125 Mil Material, Add	85.07	
For 150 Mil Material, Add	114.41	
For 200 Mil Material, Add	158.43	
For 2 To 5 Manholes, Deduct	-22.86	
For 6 To 10 Manholes, Deduct	-37.95	
For >10 Manholes, Deduct	-75.90	
33 01 30 82-0013 VLF 60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	372.83	
For 80 Mil Material, Add	33.44	
For 100 Mil Material, Add	66.88	
For 125 Mil Material, Add	102.09	
For 150 Mil Material, Add	137.30	
For 200 Mil Material, Add	190.14	
For 2 To 5 Manholes, Deduct	-27.43	
For 6 To 10 Manholes, Deduct	-45.54	
For >10 Manholes, Deduct	-91.09	
33 01 30 82-0014 Epoxy Manhole Restoration, Interior (33 01 30 82-0001)		
33 01 30 82-0015 VLF 60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	206.52	
For 80 Mil Material, Add	23.42	
For 100 Mil Material, Add	46.84	
For 125 Mil Material, Add	72.83	
For 150 Mil Material, Add	98.81	
For 200 Mil Material, Add	141.98	
For 2 To 5 Manholes, Deduct	-14.72	
For 6 To 10 Manholes, Deduct	-24.28	
For >10 Manholes, Deduct	-48.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 82-0016 VLF 60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	250.74	
<i>For 80 Mil Material, Add</i>	28.07	
<i>For 100 Mil Material, Add</i>	56.14	
<i>For 125 Mil Material, Add</i>	87.20	
<i>For 150 Mil Material, Add</i>	118.25	
<i>For 200 Mil Material, Add</i>	169.63	
<i>For 2 To 5 Manholes, Deduct</i>	-17.91	
<i>For 6 To 10 Manholes, Deduct</i>	-29.55	
<i>For >10 Manholes, Deduct</i>	-59.10	
33 01 30 82-0017 VLF 60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	275.35	
<i>For 80 Mil Material, Add</i>	31.23	
<i>For 100 Mil Material, Add</i>	62.45	
<i>For 125 Mil Material, Add</i>	97.09	
<i>For 150 Mil Material, Add</i>	131.73	
<i>For 200 Mil Material, Add</i>	189.29	
<i>For 2 To 5 Manholes, Deduct</i>	-19.63	
<i>For 6 To 10 Manholes, Deduct</i>	-32.37	
<i>For >10 Manholes, Deduct</i>	-64.74	
33 01 30 82-0018 VLF 60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	344.22	
<i>For 80 Mil Material, Add</i>	39.05	
<i>For 100 Mil Material, Add</i>	78.09	
<i>For 125 Mil Material, Add</i>	121.40	
<i>For 150 Mil Material, Add</i>	164.72	
<i>For 200 Mil Material, Add</i>	236.69	
<i>For 2 To 5 Manholes, Deduct</i>	-24.54	
<i>For 6 To 10 Manholes, Deduct</i>	-40.47	
<i>For >10 Manholes, Deduct</i>	-80.93	
33 01 30 82-0019 VLF 60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	413.07	
<i>For 80 Mil Material, Add</i>	46.85	
<i>For 100 Mil Material, Add</i>	93.71	
<i>For 125 Mil Material, Add</i>	145.69	
<i>For 150 Mil Material, Add</i>	197.66	
<i>For 200 Mil Material, Add</i>	284.03	
<i>For 2 To 5 Manholes, Deduct</i>	-29.44	
<i>For 6 To 10 Manholes, Deduct</i>	-48.56	
<i>For >10 Manholes, Deduct</i>	-97.12	
33 01 30 82-0020 Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration,		
Interior <small>(33 01 30 82-0001)</small>		
33 01 30 82-0021 VLF 3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	298.11	
<i>For 2 To 5 Manholes, Deduct</i>	-17.55	
<i>For 6 To 10 Manholes, Deduct</i>	-27.64	
<i>For >10 Manholes, Deduct</i>	-55.28	
33 01 30 82-0022 VLF 3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	365.03	
<i>For 2 To 5 Manholes, Deduct</i>	-21.48	
<i>For 6 To 10 Manholes, Deduct</i>	-33.83	
<i>For >10 Manholes, Deduct</i>	-67.66	
33 01 30 82-0023 VLF 4' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	428.76	
<i>For 2 To 5 Manholes, Deduct</i>	-24.96	
<i>For 6 To 10 Manholes, Deduct</i>	-39.20	
<i>For >10 Manholes, Deduct</i>	-78.39	
33 01 30 82-0024 VLF 5' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	537.63	
<i>For 2 To 5 Manholes, Deduct</i>	-31.28	
<i>For 6 To 10 Manholes, Deduct</i>	-49.12	
<i>For >10 Manholes, Deduct</i>	-98.24	
33 01 30 82-0025 VLF 6' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	646.48	
<i>For 2 To 5 Manholes, Deduct</i>	-37.60	
<i>For 6 To 10 Manholes, Deduct</i>	-59.05	
<i>For >10 Manholes, Deduct</i>	-118.09	
33 05 Common Work Results For Utilities <small>(33)</small>		
33 05 61 Concrete Manholes <small>(33 05)</small>		
33 05 61 00-0001 Manholes <small>(33 05 61)</small>		
33 05 61 00-0002 Cast In Place Concrete, 8" Thick <small>(33 05 61 00-0001)</small>		
<i>Note: Includes base, wall, top and block-out for openings.</i>		
33 05 61 00-0003 48" Diameter <small>(33 05 61 00-0002)</small>		
33 05 61 00-0004 EA 4' Diameter x 4' Deep Cast In Place Manhole 8" Thick	1,244.42	401.29
33 05 61 00-0005 EA 4' Diameter x 6' Deep Cast In Place Manhole 8" Thick	1,716.38	549.01
33 05 61 00-0006 EA 4' Diameter x 8' Deep Cast In Place Manhole 8" Thick	2,440.94	823.04
33 05 61 00-0007 VLF 4' Diameter x Vertical Linear Foot Depth Cast In Place Manhole 8" Thick, Over 8'	301.58	102.92
33 05 61 00-0008 Precast Concrete Manholes <small>(33 05 61 00-0001)</small>		
<i>Note: Includes base, riser(s), reducer and openings. See CSI section 33 05 84 00-0002 for top slabs.</i>		
33 05 61 00-0009 3' Diameter, 8" Thick Walls, Precast Concrete Manholes <small>(33 05 61 00-0008)</small>		
33 05 61 00-0010 EA 4' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole	799.66	189.93
<i>For 6" Thick Wall, Deduct</i>	-60.97	

33 Utilities**33 05 Common Work Results For Utilities****33 05 61 Concrete Manholes**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0011	EA		6' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,116.02	259.73
			<i>For 6" Thick Wall, Deduct</i>	-85.63	
33 05 61 00-0012	EA		8' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,552.50	389.61
			<i>For 6" Thick Wall, Deduct</i>	-116.29	
33 05 61 00-0013	VLF		Vertical Linear Foot Depth Over 8', x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	191.30	51.95
			<i>For 6" Thick Wall, Deduct</i>	-14.26	
33 05 61 00-0014			3'-6" Diameter, 8" Thick Walls, Precast Concrete Manholes <small>(33 05 61 00-0008)</small>		
33 05 61 00-0015	EA		4' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole.....	898.78	198.05
			<i>For 6" Thick Wall, Deduct</i>	-70.07	
33 05 61 00-0016	EA		6' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,250.40	270.78
			<i>For 6" Thick Wall, Deduct</i>	-97.96	
33 05 61 00-0017	EA		8' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,726.69	405.83
			<i>For 6" Thick Wall, Deduct</i>	-132.09	
33 05 61 00-0018	VLF		Vertical Linear Foot Depth Over 8', x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole.....	211.93	51.95
			<i>For 6" Thick Wall, Deduct</i>	-16.13	
33 05 61 00-0019			4' Diameter, 8" Thick Walls, Precast Concrete Manholes <small>(33 05 61 00-0008)</small>		
33 05 61 00-0020	EA		4' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,000.86	204.54
			<i>For 6" Thick Wall, Deduct</i>	-79.50	
33 05 61 00-0021	EA		6' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,387.57	279.21
			<i>For 6" Thick Wall, Deduct</i>	-110.62	
33 05 61 00-0022	EA		8' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,904.67	422.07
			<i>For 6" Thick Wall, Deduct</i>	-148.26	
33 05 61 00-0023	VLF		Vertical Linear Foot Depth Over 8', x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	233.17	53.57
			<i>For 6" Thick Wall, Deduct</i>	-18.04	
33 05 61 00-0024	VLF		Vertical Linear Foot Depth x 4' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone.....	281.99	53.57
			<i>For 6" Thick Wall, Deduct</i>	-22.92	
33 05 61 00-0025			5' Diameter, 8" Thick Walls, Precast Concrete Manholes <small>(33 05 61 00-0008)</small>		
33 05 61 00-0026	EA		4' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,229.10	227.27
			<i>For 6" Thick Wall, Deduct</i>	-100.12	
33 05 61 00-0027	EA		6' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,690.37	311.69
			<i>For 6" Thick Wall, Deduct</i>	-137.91	
33 05 61 00-0028	EA		8' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	2,296.17	467.52
			<i>For 6" Thick Wall, Deduct</i>	-182.93	
33 05 61 00-0029	VLF		Vertical Linear Foot Depth Over 8', x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	279.48	58.44
			<i>For 6" Thick Wall, Deduct</i>	-22.11	
33 05 61 00-0030	VLF		Vertical Linear Foot Depth x 5' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone.....	332.23	58.44
			<i>For 6" Thick Wall, Deduct</i>	-27.38	
33 05 61 00-0031			6' Diameter, 8" Thick Walls, Precast Concrete Manholes <small>(33 05 61 00-0008)</small>		
33 05 61 00-0032	EA		4' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,478.23	253.24
33 05 61 00-0033	EA		6' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	2,017.59	344.15
33 05 61 00-0034	EA		8' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	2,718.75	519.47
33 05 61 00-0035	VLF		Vertical Linear Foot Depth Over 8', x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	328.72	64.94
33 05 61 00-0036	VLF		Vertical Linear Foot Depth x 6' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone.....	377.54	64.94
33 05 63 Concrete Vaults and Chambers <small>(33 05)</small>					
33 05 63 00-0001			Underground Utility Vaults And Structures <small>(33 05 63)</small>		
			See CSI section 33 05 61 00-0001 for manholes, 33 05 84 00-0087 for frames and covers.		
33 05 63 00-0002			Precast Concrete Underground Utility Vault <small>(33 05 63 00-0001)</small>		
			Note: Sizes given are for inside dimensions.		
33 05 63 00-0003			6' High Precast Concrete Underground Utility Vault <small>(33 05 63 00-0002)</small>		
33 05 63 00-0004	EA		4' x 4' x 6' Precast Concrete Underground Utility Vault.....	2,175.34	
			Note: 6" thick walls and 8" thick top.		
33 05 63 00-0005	EA		4' x 6' x 6' Precast Concrete Underground Utility Vault.....	2,835.57	
			Note: 6" thick walls and 8" thick top.		
33 05 63 00-0006	EA		5' x 10' x 6' Precast Concrete Underground Utility Vault.....	4,677.99	
			Note: 6" thick walls and 8" thick top.		
33 05 63 00-0007	EA		5' x 12' x 6' Precast Concrete Underground Utility Vault.....	5,401.54	
			Note: 6" thick walls and 8" thick top.		
33 05 63 00-0008	EA		6' x 6' x 6' Precast Concrete Underground Utility Vault.....	3,623.70	
			Note: 6" thick walls and 8" thick top.		
33 05 63 00-0009	EA		6' x 8' x 6' Precast Concrete Underground Utility Vault.....	4,411.18	
			Note: 6" thick walls and 8" thick top.		
33 05 63 00-0010	EA		6' x 10' x 6' Precast Concrete Underground Utility Vault.....	5,199.31	
			Note: 6" thick walls and 8" thick top.		
33 05 63 00-0011	EA		6' x 12' x 6' Precast Concrete Underground Utility Vault.....	7,511.99	
			Note: 8" thick walls and top.		
33 05 63 00-0012	EA		6' x 14' x 6' Precast Concrete Underground Utility Vault.....	7,511.99	
			Note: 8" thick walls and top.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0013 EA 6' x 16' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	9,458.79	
33 05 63 00-0014 EA 8' x 8' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,327.23	
33 05 63 00-0015 EA 8' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,242.64	
33 05 63 00-0016 EA 8' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	8,923.31	
33 05 63 00-0017 EA 8' x 14' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	10,043.13	
33 05 63 00-0018 7' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0019 EA 4' x 4' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	2,394.80	
33 05 63 00-0020 EA 4' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,109.57	
33 05 63 00-0021 EA 4' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,824.31	
33 05 63 00-0022 EA 5' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,088.67	
33 05 63 00-0023 EA 5' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,867.39	
33 05 63 00-0024 EA 6' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,952.24	
33 05 63 00-0025 EA 6' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,794.92	
33 05 63 00-0026 EA 6' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,637.58	
33 05 63 00-0027 EA 6' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	8,169.07	
33 05 63 00-0028 EA 6' x 16' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	10,261.96	
33 05 63 00-0029 EA 8' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,765.50	
33 05 63 00-0030 EA 8' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,735.45	
33 05 63 00-0031 EA 8' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	9,653.81	
33 05 63 00-0032 EA 8' x 14' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	10,845.63	
33 05 63 00-0033 EA 10' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	9,799.41	
33 05 63 00-0034 8' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0035 EA 4' x 4' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	2,613.60	
33 05 63 00-0036 EA 4' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,383.57	
33 05 63 00-0037 EA 5' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,499.35	
33 05 63 00-0038 EA 5' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,332.61	
33 05 63 00-0039 EA 6' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,280.77	
33 05 63 00-0040 EA 6' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,178.00	
33 05 63 00-0041 EA 6' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,075.23	
33 05 63 00-0042 EA 6' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	8,826.13	
33 05 63 00-0043 EA 6' x 16' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,065.16	
33 05 63 00-0044 EA 8' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,203.12	
33 05 63 00-0045 EA 8' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,228.25	
33 05 63 00-0046 EA 8' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	10,383.60	
33 05 63 00-0047 EA 8' x 14' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,648.83	
33 05 63 00-0048 EA 10' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	10,529.70	
33 05 63 00-0049 10' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0050 EA 6' x 6' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,609.34	
33 05 63 00-0051 EA 6' x 8' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,561.07	
33 05 63 00-0052 EA 10' x 10' x 10' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,259.45	

33 Utilities**33 05 Common Work Results For Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0053 12' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0054 EA 6' x 6' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,937.87	
33 05 63 00-0055 EA 6' x 8' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,944.81	
33 05 63 00-0056 Meter Pit (33 05 63 00-0001)		
33 05 63 00-0057 Precast Concrete Meter Pit (33 05 63 00-0056)		
33 05 63 00-0058 EA 4' x 4' x 4' Deep Precast Concrete Meter Pit.....	1,533.57	
33 05 63 00-0059 EA 4' x 4' x 6' Deep Precast Concrete Meter Pit.....	2,046.90	
33 05 63 00-0060 EA 4' x 4' x 8' Deep Precast Concrete Meter Pit.....	2,522.91	
33 05 63 00-0061 EA 4' x 4' x 10' Deep Precast Concrete Meter Pit.....	3,098.66	
33 05 63 00-0062 EA 4' x 4' x 15' Deep Precast Concrete Meter Pit.....	4,189.33	
33 05 63 00-0063 EA 6' x 6' x 4' Deep Precast Concrete Meter Pit.....	2,295.12	
33 05 63 00-0064 EA 6' x 6' x 6' Deep Precast Concrete Meter Pit.....	3,098.66	
33 05 63 00-0065 EA 6' x 6' x 8' Deep Precast Concrete Meter Pit.....	3,947.13	
33 05 63 00-0066 EA 6' x 6' x 10' Deep Precast Concrete Meter Pit.....	4,925.98	
33 05 63 00-0067 EA 6' x 6' x 15' Deep Precast Concrete Meter Pit.....	6,809.10	
33 05 63 00-0068 Handhole Or Pull Box Enclosures (33 05 63 00-0001)		
33 05 63 00-0069 Polymer Concrete Handhole Enclosures (33 05 63 00-0068)		
33 05 63 00-0070 Polymer Concrete Handhole Enclosures (33 05 63 00-0069)		
33 05 63 00-0071 Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0070)		
33 05 63 00-0072 Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0071)		
33 05 63 00-0073 EA 12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	185.03	14.15
33 05 63 00-0074 EA 10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	161.23	31.43
33 05 63 00-0075 EA 13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	246.10	47.15
33 05 63 00-0076 EA 17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	285.48	47.15
33 05 63 00-0077 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	272.47	47.15
33 05 63 00-0078 EA 13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	329.26	47.15
33 05 63 00-0079 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	320.69	47.15
33 05 63 00-0080 EA 17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	435.69	47.15
33 05 63 00-0081 EA 27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	618.50	62.86
33 05 63 00-0082 EA 27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	865.98	62.86
33 05 63 00-0083 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	563.76	86.43
33 05 63 00-0084 EA 24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	641.26	86.43
33 05 63 00-0085 EA 24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,044.44	86.43
33 05 63 00-0086 EA 39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	602.17	94.28
33 05 63 00-0087 EA 39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	856.04	94.28
33 05 63 00-0088 EA 39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,063.64	94.28
33 05 63 00-0089 EA 39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,554.66	94.28
33 05 63 00-0090 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	881.83	151.78
33 05 63 00-0091 EA 30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,263.92	151.78
33 05 63 00-0092 Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0071)		
33 05 63 00-0093 EA 12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	236.47	14.15
33 05 63 00-0094 EA 13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	307.37	47.15
33 05 63 00-0095 EA 17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	370.76	47.15
33 05 63 00-0096 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	342.38	47.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0097 EA 13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	390.92	47.15
33 05 63 00-0098 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	403.65	47.15
33 05 63 00-0099 EA 17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	519.36	47.15
33 05 63 00-0100 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	694.04	86.43
33 05 63 00-0101 EA 24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	771.54	86.43
33 05 63 00-0102 EA 24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,174.73	86.43
33 05 63 00-0103 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,034.08	151.78
33 05 63 00-0104 EA 30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,419.07	151.78
33 05 63 00-0105 Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0070)</small>		
33 05 63 00-0106 Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0107 EA 5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	302.67	14.15
33 05 63 00-0108 EA 10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	256.11	14.15
33 05 63 00-0109 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	211.74	47.15
33 05 63 00-0110 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	239.22	47.15
33 05 63 00-0111 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	72.19	14.15
33 05 63 00-0112 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	111.13	14.15
33 05 63 00-0113 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	178.71	14.15
33 05 63 00-0114 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	186.89	14.15
33 05 63 00-0115 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	158.38	31.43
33 05 63 00-0116 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	170.92	31.43
33 05 63 00-0117 EA 8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	109.46	14.15
33 05 63 00-0118 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	124.78	14.15
33 05 63 00-0119 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	169.62	31.43
33 05 63 00-0120 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	190.71	31.43
33 05 63 00-0121 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	177.06	31.43
33 05 63 00-0122 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	213.02	47.15
33 05 63 00-0123 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	233.71	47.15
33 05 63 00-0124 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	249.09	47.15
33 05 63 00-0125 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	272.26	47.15
33 05 63 00-0126 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	318.46	47.15
33 05 63 00-0127 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	346.49	47.15
33 05 63 00-0128 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	377.16	47.15
33 05 63 00-0129 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	396.45	47.15
33 05 63 00-0130 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	473.12	62.86
33 05 63 00-0131 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	479.80	86.43
33 05 63 00-0132 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	614.12	86.43
33 05 63 00-0133 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	738.14	86.43
33 05 63 00-0134 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	816.47	86.43
33 05 63 00-0135 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	894.38	86.43
33 05 63 00-0136 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,030.89	151.78
33 05 63 00-0137 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	756.32	151.78
33 05 63 00-0138 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	855.80	151.78
33 05 63 00-0139 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,046.02	151.78
33 05 63 00-0140 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,044.07	151.78

33 Utilities**33 05 Common Work Results For Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0141 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,115.07	151.78
33 05 63 00-0142 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,251.63	151.78
33 05 63 00-0143 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,154.47	162.62
33 05 63 00-0144 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,250.89	162.62
33 05 63 00-0145 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,373.98	162.62
33 05 63 00-0146 EA 36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,423.23	162.62
33 05 63 00-0147 EA 48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,440.35	162.62
33 05 63 00-0148 EA 48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,627.91	162.62
33 05 63 00-0149 EA 36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,263.66	162.62
33 05 63 00-0150 EA 36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,658.86	162.62
33 05 63 00-0151 EA 48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,865.84	173.45
33 05 63 00-0152 EA 48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,295.83	173.45
33 05 63 00-0153 EA 48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,936.64	173.45
33 05 63 00-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0155 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	283.07	47.15
33 05 63 00-0156 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	323.83	47.15
33 05 63 00-0157 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	121.04	14.15
33 05 63 00-0158 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	174.26	14.15
33 05 63 00-0159 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	233.08	14.15
33 05 63 00-0160 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	241.27	14.15
33 05 63 00-0161 EA 10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	211.93	31.43
33 05 63 00-0162 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	220.67	31.43
33 05 63 00-0163 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	232.34	31.43
33 05 63 00-0164 EA 8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	162.72	14.15
33 05 63 00-0165 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	192.01	14.15
33 05 63 00-0166 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	232.05	31.43
33 05 63 00-0167 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	253.14	31.43
33 05 63 00-0168 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	240.16	31.43
33 05 63 00-0169 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	282.68	47.15
33 05 63 00-0170 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	303.62	47.15
33 05 63 00-0171 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	332.21	47.15
33 05 63 00-0172 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	355.24	47.15
33 05 63 00-0173 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	401.30	47.15
33 05 63 00-0174 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	429.45	47.15
33 05 63 00-0175 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	459.99	47.15
33 05 63 00-0176 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	479.41	47.15
33 05 63 00-0177 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	587.73	62.86
33 05 63 00-0178 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	610.09	86.43
33 05 63 00-0179 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	744.25	86.43
33 05 63 00-0180 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	868.14	86.43
33 05 63 00-0181 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	946.35	86.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0182 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,024.51	86.43
33 05 63 00-0183 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	907.13	151.78
33 05 63 00-0184 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,006.75	151.78
33 05 63 00-0185 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,196.83	151.78
33 05 63 00-0186 Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0187 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	260.30	47.15
33 05 63 00-0188 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	302.18	47.15
33 05 63 00-0189 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	89.90	14.15
33 05 63 00-0190 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	146.92	14.15
33 05 63 00-0191 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	210.33	14.15
33 05 63 00-0192 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	218.66	14.15
33 05 63 00-0193 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	196.96	31.43
33 05 63 00-0194 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	221.23	31.43
33 05 63 00-0195 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	128.76	14.15
33 05 63 00-0196 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	208.88	31.43
33 05 63 00-0197 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	239.13	31.43
33 05 63 00-0198 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	216.74	31.43
33 05 63 00-0199 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	279.47	47.15
33 05 63 00-0200 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	320.81	47.15
33 05 63 00-0201 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	334.56	47.15
33 05 63 00-0202 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	367.30	47.15
33 05 63 00-0203 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	397.42	47.15
33 05 63 00-0204 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	425.85	47.15
33 05 63 00-0205 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	476.76	47.15
33 05 63 00-0206 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	483.86	47.15
33 05 63 00-0207 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	596.61	62.86
33 05 63 00-0208 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	621.61	86.43
33 05 63 00-0209 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	769.77	86.43
33 05 63 00-0210 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	916.30	86.43
33 05 63 00-0211 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,013.63	86.43
33 05 63 00-0212 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,110.96	86.43
33 05 63 00-0213 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,212.23	151.78
33 05 63 00-0214 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	937.66	151.78
33 05 63 00-0215 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,044.90	151.78
33 05 63 00-0216 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,234.99	151.78
33 05 63 00-0217 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,318.84	151.78
33 05 63 00-0218 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,345.10	151.78
33 05 63 00-0219 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,599.81	151.78
33 05 63 00-0220 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,487.79	162.62
33 05 63 00-0221 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,537.61	162.62
33 05 63 00-0222 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,678.93	162.62
33 05 63 00-0223 EA 36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,785.89	162.62
33 05 63 00-0224 EA 36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,642.92	162.62
33 05 63 00-0225 EA 36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,025.44	162.62

33 Utilities**33 05 Common Work Results For Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0226 EA 48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,762.01	162.62
33 05 63 00-0227 EA 48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,933.65	162.62
33 05 63 00-0228 EA 48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,337.93	173.45
33 05 63 00-0229 EA 48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,768.09	173.45
33 05 63 00-0230 EA 48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,722.69	173.45
33 05 63 00-0231 Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0232 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	331.61	47.15
33 05 63 00-0233 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	386.95	47.15
33 05 63 00-0234 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	138.36	14.15
33 05 63 00-0235 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	209.92	14.15
33 05 63 00-0236 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	264.58	14.15
33 05 63 00-0237 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	273.03	14.15
33 05 63 00-0238 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	259.39	31.43
33 05 63 00-0239 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	283.52	31.43
33 05 63 00-0240 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	198.00	14.15
33 05 63 00-0241 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	271.04	31.43
33 05 63 00-0242 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	301.28	31.43
33 05 63 00-0243 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	262.02	31.43
33 05 63 00-0244 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	349.41	47.15
33 05 63 00-0245 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	390.75	47.15
33 05 63 00-0246 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	417.53	47.15
33 05 63 00-0247 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	450.27	47.15
33 05 63 00-0248 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	480.38	47.15
33 05 63 00-0249 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	508.83	47.15
33 05 63 00-0250 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	559.75	47.15
33 05 63 00-0251 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	566.82	47.15
33 05 63 00-0252 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	711.06	62.86
33 05 63 00-0253 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	751.89	86.43
33 05 63 00-0254 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	899.92	86.43
33 05 63 00-0255 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,046.29	86.43
33 05 63 00-0256 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,143.69	86.43
33 05 63 00-0257 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,241.09	86.43
33 05 63 00-0258 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,088.61	151.78
33 05 63 00-0259 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,196.00	151.78
33 05 63 00-0260 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,385.95	151.78
33 05 63 00-0261 Footed, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0262 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	277.68	47.15
33 05 63 00-0263 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	187.51	31.43
33 05 63 00-0264 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	210.83	31.43
33 05 63 00-0265 EA 13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	247.42	47.15
33 05 63 00-0266 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	195.15	31.43
33 05 63 00-0267 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	217.48	31.43



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0268				Polymer Concrete Handhole Enclosure Extensions <small>(33 05 63 00-0069)</small>		
	33 05 63 00-0269	EA		13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	204.01	47.15
	33 05 63 00-0270	EA		17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	228.31	47.15
	33 05 63 00-0271	EA		24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	262.80	62.86
	33 05 63 00-0272	EA		24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	286.66	62.86
	33 05 63 00-0273	EA		24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	340.67	86.43
	33 05 63 00-0274	EA		36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	614.79	151.78
	33 05 63 00-0275	EA		30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	588.71	151.78
	33 05 63 00-0276	EA		30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	594.40	151.78
	33 05 63 00-0277	EA		36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	794.09	162.62
	33 05 63 00-0278	EA		48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,244.88	173.45
	33 05 63 00-0279	EA		48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,623.78	173.45
	33 05 63 00-0280	EA		13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	331.51	47.15
	33 05 63 00-0281	EA		17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	346.36	47.15
	33 05 63 00-0282	EA		24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	371.57	62.86
	33 05 63 00-0283	EA		24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	395.68	62.86
	33 05 63 00-0284	EA		24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	459.96	86.43
	33 05 63 00-0285	EA		30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	757.29	151.78
	33 05 63 00-0286	EA		13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	258.94	47.15
	33 05 63 00-0287	EA		17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	288.22	47.15
	33 05 63 00-0288	EA		24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	382.68	86.43
	33 05 63 00-0289	EA		36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	766.16	162.62
33 05 63 00-0290				Polymer Concrete Handhole Enclosure Covers <small>(33 05 63 00-0069)</small>		
33 05 63 00-0291				Polymer Concrete Handhole Enclosure Covers <small>(33 05 63 00-0290)</small>		
	33 05 63 00-0292	EA		5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	71.77	6.29
	33 05 63 00-0293	EA		10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	72.71	6.29
	33 05 63 00-0294	EA		12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	67.36	6.29
	33 05 63 00-0295	EA		8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	72.89	6.29
	33 05 63 00-0296	EA		11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	73.61	6.29
	33 05 63 00-0297	EA		13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	84.50	6.29
	33 05 63 00-0298	EA		17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	97.98	6.29
	33 05 63 00-0299	EA		30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	645.96	19.52
	33 05 63 00-0300	EA		30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	565.59	19.52
	33 05 63 00-0301	EA		36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	845.52	19.52
	33 05 63 00-0302	EA		48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	855.06	19.52
	33 05 63 00-0303	EA		36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	968.32	19.52
	33 05 63 00-0304	EA		48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	1,054.84	19.52
	33 05 63 00-0305	EA		48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	1,693.60	19.52
	33 05 63 00-0306	EA		10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	61.42	6.29
	33 05 63 00-0307	EA		11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	88.17	6.29
	33 05 63 00-0308	EA		11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	89.41	6.29
	33 05 63 00-0309	EA		13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	112.59	6.29
	33 05 63 00-0310	EA		13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover.....	84.85	6.29
	33 05 63 00-0311	EA		17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	133.26	6.29
	33 05 63 00-0312	EA		17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover.....	104.55	6.29
	33 05 63 00-0313	EA		27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	214.96	6.29
	33 05 63 00-0314	EA		24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	188.11	9.43
	33 05 63 00-0315	EA		24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	235.90	9.43
	33 05 63 00-0316	EA		39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	304.11	11.00
	33 05 63 00-0317	EA		36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	428.63	15.18
	33 05 63 00-0318	EA		30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	445.55	28.91
	33 05 63 00-0319	EA		11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	113.98	6.29
	33 05 63 00-0320	EA		13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	162.68	6.29
	33 05 63 00-0321	EA		17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	185.16	6.29
	33 05 63 00-0322	EA		27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	308.14	6.29
	33 05 63 00-0323	EA		24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	253.81	9.43
	33 05 63 00-0324	EA		39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	429.24	11.00
	33 05 63 00-0325	EA		36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	564.17	15.18

33 Utilities
33 05 Common Work Results For Utilities
33 05 63 Concrete Vaults and Chambers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 05 63 00-0326	EA	30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	761.18	19.52
33 05 63 00-0327	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	676.97	19.52
33 05 63 00-0328	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	944.74	19.52
33 05 63 00-0329	EA	48" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,229.51	19.52
33 05 63 00-0330	EA	36" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,177.56	19.52
33 05 63 00-0331	EA	48" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,786.34	19.52
33 05 63 00-0332	EA	48" x 96", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	2,758.00	19.52
33 05 63 00-0333	EA	11" x 18", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	150.06	6.29
33 05 63 00-0334	EA	11" x 20", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	164.13	6.29
33 05 63 00-0335	EA	13" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	216.24	6.29
33 05 63 00-0336	EA	17" x 30", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	246.48	6.29
33 05 63 00-0337	EA	27" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	426.31	6.29
33 05 63 00-0338	EA	24" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	309.49	9.43
33 05 63 00-0339	EA	24" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	423.35	9.43
33 05 63 00-0340	EA	39" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	656.60	11.00
33 05 63 00-0341	EA	36" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	752.86	15.18
33 05 63 00-0342	EA	30" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	783.39	28.91
33 05 63 00-0343	EA	30" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	906.15	19.52
33 05 63 00-0344	EA	36" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,264.15	19.52
33 05 63 00-0345	EA	48" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,767.71	19.52
33 05 63 00-0346	EA	36" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,577.67	19.52
33 05 63 00-0347	EA	48" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,613.05	19.52
33 05 63 00-0348	EA	48" x 96", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	4,032.05	19.52

33 05 63 00-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets (33 05 63 00-0290)

33 05 63 00-0350	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	82.48	6.29
33 05 63 00-0351	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	87.19	6.29
33 05 63 00-0352	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	88.73	6.29
33 05 63 00-0353	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	89.31	6.29
33 05 63 00-0354	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	103.12	6.29
33 05 63 00-0355	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	65.76	6.29
33 05 63 00-0356	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	92.62	6.29
33 05 63 00-0357	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	93.48	6.29
33 05 63 00-0358	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	117.18	6.29
33 05 63 00-0359	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket.....	89.84	6.29
33 05 63 00-0360	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket.....	109.82	6.29
33 05 63 00-0361	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	138.12	6.29
33 05 63 00-0362	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	191.37	9.43
33 05 63 00-0363	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	240.91	9.43
33 05 63 00-0364	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	450.69	28.91
33 05 63 00-0365	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	54.72	6.29
33 05 63 00-0366	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	85.72	6.29
33 05 63 00-0367	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	95.39	6.29
33 05 63 00-0368	EA	12" x 12", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	91.09	6.29
33 05 63 00-0369	EA	10" x 15", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	75.00	6.29
33 05 63 00-0370	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	118.42	6.29
33 05 63 00-0371	EA	11" x 20", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	128.45	6.29
33 05 63 00-0372	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	167.40	6.29
33 05 63 00-0373	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	190.29	6.29
33 05 63 00-0374	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	258.40	9.43
33 05 63 00-0375	EA	24" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	322.75	9.43
33 05 63 00-0376	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	592.90	28.91

33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts (33 05 63 00-0290)

33 05 63 00-0378	EA	6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	44.05	6.29
33 05 63 00-0379	EA	7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	52.39	6.29
33 05 63 00-0380	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	63.62	6.29
33 05 63 00-0381	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	68.61	6.29
33 05 63 00-0382	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	68.48	6.29
33 05 63 00-0383	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	81.27	6.29
33 05 63 00-0384	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	93.84	6.29
33 05 63 00-0385	EA	24" x 36", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	227.71	9.43
33 05 63 00-0386	EA	30" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	426.84	28.91
33 05 63 00-0387	EA	30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	638.93	19.52
33 05 63 00-0388	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	557.66	19.52
33 05 63 00-0389	EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	832.47	19.52
33 05 63 00-0390	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	803.41	19.52
33 05 63 00-0391	EA	36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	960.75	19.52
33 05 63 00-0392	EA	48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,026.85	19.52
33 05 63 00-0393	EA	48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,639.81	19.52
33 05 63 00-0394	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	59.04	6.29
33 05 63 00-0395	EA	10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	57.66	6.29
33 05 63 00-0396	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	85.17	6.29
33 05 63 00-0397	EA	11" x 21", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	93.59	6.29
33 05 63 00-0398	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	105.94	6.29
33 05 63 00-0399	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	80.54	6.29



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0400	EA			18" x 19", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	89.84	6.29
33 05 63 00-0401	EA			17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	127.43	6.29
33 05 63 00-0402	EA			24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	184.34	9.43
33 05 63 00-0403	EA			20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	230.31	9.43
33 05 63 00-0404	EA			24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	227.58	9.43
33 05 63 00-0405	EA			36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	411.56	15.18
33 05 63 00-0406	EA			30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	426.84	17.34
33 05 63 00-0407				Overlapping, Polymer Concrete Handhole Enclosure Covers <small>(33 05 63 00-0290)</small>		
33 05 63 00-0408	EA			30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	665.12	19.52
33 05 63 00-0409	EA			36" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	961.72	19.52
33 05 63 00-0410	EA			30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	558.20	28.91
33 05 63 00-0411	EA			30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	739.27	28.91
33 05 63 00-0412	EA			30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	789.66	19.52
33 05 63 00-0413	EA			36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	1,075.12	19.52
33 05 63 00-0414				Split, Polymer Concrete Handhole Enclosure Covers <small>(33 05 63 00-0290)</small>		
33 05 63 00-0415	EA			24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	258.48	9.43
33 05 63 00-0416	EA			36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	482.05	15.18
33 05 63 00-0417	EA			30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	504.25	28.91
33 05 63 00-0418	EA			6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	41.73	6.29
33 05 63 00-0419	EA			8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	69.06	6.29
33 05 63 00-0420	EA			12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	75.97	6.29
33 05 63 00-0421	EA			8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	80.54	6.29
33 05 63 00-0422	EA			10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	70.69	6.29
33 05 63 00-0423	EA			11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	124.38	6.29
33 05 63 00-0424	EA			24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	346.27	9.43
33 05 63 00-0425	EA			36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	640.36	15.18
33 05 63 00-0426	EA			30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	671.30	28.91
33 05 63 00-0427				Precast Concrete Handholes With Steel Cover <small>(33 05 63 00-0068)</small>		
Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).						
33 05 63 00-0428	EA			12" x 12" x 12" Precast Concrete Handholes With Steel Cover.....	483.36	141.77
Note: 8000 To 12000 pound traffic rated top.						
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>						
					18.00	
33 05 63 00-0429	EA			12" x 24" x 21" Precast Concrete Handholes With Steel Cover.....	806.47	212.66
Note: 8000 To 12000 pound traffic rated top.						
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>						
					76.85	
33 05 63 00-0430	EA			18" x 30" x 18" Precast Concrete Handholes With Steel Cover.....	983.65	283.53
Note: 8000 To 12000 pound traffic rated top.						
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>						
					127.12	
33 05 63 00-0431	EA			24" x 24" x 24" Precast Concrete Handholes With Steel Cover.....	1,019.20	283.53
Note: 8000 To 12000 pound traffic rated top.						
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>						
					156.36	
33 05 63 00-0432	EA			24" x 24" x 30" Precast Concrete Handholes With Steel Cover.....	1,203.13	354.42
Note: 8000 To 12000 pound traffic rated top.						
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>						
					184.60	
33 05 63 00-0433	EA			30" x 36" x 30" Precast Concrete Handholes With Steel Cover.....	1,262.36	354.42
Note: 8000 To 12000 pound traffic rated top.						
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>						
					212.93	
33 05 63 00-0434	EA			36" x 36" x 48" Precast Concrete Handholes With Steel Cover.....	1,462.23	425.31
Note: 8000 To 12000 pound traffic rated top.						
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>						
					245.48	
33 05 63 00-0435	EA			48" x 48" x 48" Precast Concrete Handholes With Steel Cover.....	1,680.75	496.19
Note: 8000 To 12000 pound traffic rated top.						
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>						
					371.49	
33 05 63 00-0436	EA			48" x 72" x 36" Precast Concrete Handholes With Steel Cover.....	1,637.55	425.31
Note: 8000 To 12000 pound traffic rated top.						
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>						
					434.80	
33 05 63 00-0437	EA			54" x 38" x 24" Precast Concrete Handholes With Steel Cover.....	1,652.63	425.31
Note: 8000 To 12000 pound traffic rated top.						
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>						
					264.60	
33 05 63 00-0438	EA			6" Diameter Precast Concrete Handholes With Steel Cover.....	386.85	141.77
Note: 8000 To 12000 pound traffic rated top.						
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>						
					15.00	
33 05 63 00-0439	EA			9" Diameter Precast Concrete Handholes With Steel Cover.....	454.05	159.49
Note: 8000 To 12000 pound traffic rated top.						
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>						
					15.00	
33 05 63 00-0440	EA			12" Diameter Precast Concrete Handholes With Steel Cover.....	553.01	177.21
Note: 8000 To 12000 pound traffic rated top.						
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>						
					15.00	

33 05 84 Accessories for Utility Structures (33 05)

See CSI section 22 13 19 26-0043 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 05 84 00-0001 Manhole Accessories (33 05 84)

33 05 84 00-0002 Precast Concrete Manhole Tops (33 05 84 00-0001)

33 Utilities**33 05 Common Work Results For Utilities****33 05 84 Accessories for Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0003 Precast Concrete Manhole Slab Tops <small>(33 05 84 00-0002)</small>		
33 05 84 00-0004 EA 3' Diameter x 8" Thick Precast Manhole Top Slab.....	327.37	48.70
33 05 84 00-0005 EA 3'-6" Diameter x 8" Thick Precast Manhole Top Slab.....	383.66	50.64
33 05 84 00-0006 EA 4' Diameter x 8" Thick Precast Manhole Top Slab.....	446.61	52.60
33 05 84 00-0007 EA 5' Diameter x 8" Thick Precast Manhole Top Slab.....	593.24	56.49
33 05 84 00-0008 EA 6' Diameter x 8" Thick Precast Manhole Top Slab.....	705.16	60.39
33 05 84 00-0009 Precast Concrete Manhole Cone Tops <small>(33 05 84 00-0002)</small>		
33 05 84 00-0010 EA 3' Diameter x 8" Thick Precast Manhole Top Cone.....	508.63	60.87
33 05 84 00-0011 EA 3'-6" Diameter x 8" Thick Precast Manhole Top Cone.....	562.56	63.31
33 05 84 00-0012 EA 4' Diameter x 8" Thick Precast Manhole Top Cone.....	616.51	65.75
33 05 84 00-0013 EA 5' Diameter x 8" Thick Precast Manhole Top Cone.....	721.09	69.80
33 05 84 00-0014 EA 6' Diameter x 8" Thick Precast Manhole Top Cone.....	828.96	74.67
33 05 84 00-0015 Pipe To Manhole Connector <small>(33 05 84 00-0001)</small>		
33 05 84 00-0016 Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors <small>(33 05 84 00-0015)</small>		
33 05 84 00-0017 EA 4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	49.23	
33 05 84 00-0018 EA 6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	71.19	
33 05 84 00-0019 EA 8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	80.32	
33 05 84 00-0020 EA 10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	119.46	
33 05 84 00-0021 EA 12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	166.10	
33 05 84 00-0022 EA 15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	220.64	
33 05 84 00-0023 EA 18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	392.61	
33 05 84 00-0024 EA 21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	544.09	
33 05 84 00-0025 EA 24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	852.48	
33 05 84 00-0026 EA 27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,005.52	
33 05 84 00-0027 Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout <small>(33 05 84 00-0015)</small>		
Note: Fernco CMA.		
33 05 84 00-0028 EA 4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	62.11	
33 05 84 00-0029 EA 6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	86.07	
33 05 84 00-0030 EA 8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	108.69	
33 05 84 00-0031 EA 10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	131.21	
33 05 84 00-0032 EA 12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	152.26	
33 05 84 00-0033 Brick And Grout Pipe To Manhole Connector <small>(33 05 84 00-0015)</small>		
33 05 84 00-0034 EA Seal Gap Between Pipe And Structure With Brick And Grout.....	136.68	
33 05 84 00-0035 Inverts For Manholes <small>(33 05 84 00-0001)</small>		
33 05 84 00-0036 EA Single Channel Concrete Invert For Manholes.....	245.60	
33 05 84 00-0037 EA Double Channel Concrete Invert For Manholes.....	353.62	
33 05 84 00-0038 EA Triple Channel Concrete Invert For Manholes.....	476.46	
33 05 84 00-0039 EA Quad Channel Concrete Invert For Manholes.....	599.28	
33 05 84 00-0040 EA Single Channel Brick Invert For Manholes.....	346.44	
33 05 84 00-0041 EA Double Channel Brick Invert For Manholes.....	518.74	
33 05 84 00-0042 EA Triple Channel Brick Invert For Manholes.....	694.03	
33 05 84 00-0043 EA Quad Channel Brick Invert For Manholes.....	867.22	
33 05 84 00-0044 Steps For Cast-In-Place Manholes <small>(33 05 84 00-0001)</small>		
See CSI section 33 01 30 81-0033 for installation of steps in existing manholes.		
33 05 84 00-0045 EA Cast Iron Manhole Step For New Manholes.....	47.25	
33 05 84 00-0046 EA Galvanized Steel Manhole Step For New Manholes.....	34.59	
33 05 84 00-0047 EA Aluminum Manhole Step For New Manholes.....	32.03	
33 05 84 00-0048 EA Polypropylene Manhole Step For New Manholes.....	26.52	
33 05 84 00-0049 Protective Coating For New Manholes <small>(33 05 84 00-0001)</small>		
33 05 84 00-0050 Polyurethane Protective Coating For New Manholes <small>(33 05 84 00-0049)</small>		
33 05 84 00-0051 VLF 60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior.....	118.62	
For 80 Mil Material, Add	16.83	
For 100 Mil Material, Add	33.66	
For 125 Mil Material, Add	53.05	
For 150 Mil Material, Add	72.44	
For 200 Mil Material, Add	106.82	
For 2 To 5 Manholes, Deduct	-8.13	
For 6 To 10 Manholes, Deduct	-13.29	
For >10 Manholes, Deduct	-26.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0052 VLF 60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior.....	143.30	
<i>For 80 Mil Material, Add</i>	20.01	
<i>For 100 Mil Material, Add</i>	40.02	
<i>For 125 Mil Material, Add</i>	63.02	
<i>For 150 Mil Material, Add</i>	86.02	
<i>For 200 Mil Material, Add</i>	126.65	
<i>For 2 To 5 Manholes, Deduct</i>	-9.85	
<i>For 6 To 10 Manholes, Deduct</i>	-16.12	
<i>For >10 Manholes, Deduct</i>	-32.24	
33 05 84 00-0053 VLF 60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior.....	158.15	
<i>For 80 Mil Material, Add</i>	22.44	
<i>For 100 Mil Material, Add</i>	44.87	
<i>For 125 Mil Material, Add</i>	70.72	
<i>For 150 Mil Material, Add</i>	96.57	
<i>For 200 Mil Material, Add</i>	142.41	
<i>For 2 To 5 Manholes, Deduct</i>	-10.84	
<i>For 6 To 10 Manholes, Deduct</i>	-17.72	
<i>For >10 Manholes, Deduct</i>	-35.44	
33 05 84 00-0054 VLF 60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior.....	197.72	
<i>For 80 Mil Material, Add</i>	28.06	
<i>For 100 Mil Material, Add</i>	56.12	
<i>For 125 Mil Material, Add</i>	88.44	
<i>For 150 Mil Material, Add</i>	120.77	
<i>For 200 Mil Material, Add</i>	178.09	
<i>For 2 To 5 Manholes, Deduct</i>	-13.55	
<i>For 6 To 10 Manholes, Deduct</i>	-22.15	
<i>For >10 Manholes, Deduct</i>	-44.31	
33 05 84 00-0055 VLF 60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior.....	229.45	
<i>For 80 Mil Material, Add</i>	33.08	
<i>For 100 Mil Material, Add</i>	66.17	
<i>For 125 Mil Material, Add</i>	104.37	
<i>For 150 Mil Material, Add</i>	142.58	
<i>For 200 Mil Material, Add</i>	210.58	
<i>For 2 To 5 Manholes, Deduct</i>	-15.67	
<i>For 6 To 10 Manholes, Deduct</i>	-25.61	
<i>For >10 Manholes, Deduct</i>	-51.22	
33 05 84 00-0056 Polyvinyl Chloride (PVC) Liner <small>(33 05 84 00-0049)</small>		
Note: For new manholes and shop applied.		
33 05 84 00-0057 VLF 3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	144.38	
33 05 84 00-0058 VLF 3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	176.98	
33 05 84 00-0059 VLF 4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	215.98	
33 05 84 00-0060 VLF 5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	271.23	
33 05 84 00-0061 VLF 6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	326.48	
33 05 84 00-0062 SF Polyvinyl Chloride (PVC) Liner At Structures.....	22.10	
33 05 84 00-0063 Concrete Grade Extensions/Grade Rings <small>(33 05 84 00-0001)</small>		
33 05 84 00-0064 18" Diameter, Concrete Grade Extensions/Grade Rings <small>(33 05 84 00-0063)</small>		
33 05 84 00-0065 EA 4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings.....	54.88	
33 05 84 00-0066 EA 6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....	60.02	
33 05 84 00-0067 EA 8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....	65.15	
33 05 84 00-0068 EA 10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....	70.28	
33 05 84 00-0069 24" Diameter, Concrete Grade Extensions/Grade Rings <small>(33 05 84 00-0063)</small>		
33 05 84 00-0070 EA 4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....	61.62	
33 05 84 00-0071 EA 6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....	67.46	
33 05 84 00-0072 EA 8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....	73.29	
33 05 84 00-0073 EA 10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....	79.12	
33 05 84 00-0074 30" Diameter, Concrete Grade Extensions/Grade Rings <small>(33 05 84 00-0063)</small>		
33 05 84 00-0075 EA 4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....	68.23	
33 05 84 00-0076 EA 6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....	74.73	
33 05 84 00-0077 EA 8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....	81.24	
33 05 84 00-0078 EA 10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....	87.74	
33 05 84 00-0079 Bentonite Collar <small>(33 05 84 00-0001)</small>		
33 05 84 00-0080 Bentonite Collar At Manhole Connections <small>(33 05 84 00-0079)</small>		
33 05 84 00-0081 EA Up To 12" Pipe, Bentonite Collar At Manhole Connection.....	85.60	
33 05 84 00-0082 EA >12" To 21", Bentonite Collar At Manhole Connection.....	135.68	
33 05 84 00-0083 EA >21" To 30" Pipe, Bentonite Collar At Manhole Connection.....	215.67	
33 05 84 00-0084 EA >30" To 36" Pipe, Bentonite Collar At Manhole Connection.....	504.91	
33 05 84 00-0085 EA >36" To 48" Pipe, Bentonite Collar At Manhole Connection.....	783.27	
33 05 84 00-0086 EA >48" To 60" Pipe, Bentonite Collar At Manhole Connection.....	1,421.09	
33 05 84 00-0087 Manhole Covers And Frames <small>(33 05 84)</small>		

33 Utilities**33 05 Common Work Results For Utilities****33 05 84 Accessories for Utility Structures**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
Note: Includes moisture-tight masonry joints and waterproof grouting.					
33 05 84 00-0088			Regular Manhole Covers And Frames, City Type (33 05 84 00-0087)		
33 05 84 00-0089	EA		18" Square, Gray Iron, Manhole Cover With Frame	611.03	55.84
			<i>For Ductile Iron Castings, Add</i>	309.54	
			<i>For Heavy Duty, Add</i>	222.30	
33 05 84 00-0090	EA		18" Diameter, Gray Iron, Manhole Cover With Frame	383.47	55.84
			<i>For Ductile Iron Castings, Add</i>	150.25	
			<i>For Heavy Duty, Add</i>	142.66	
33 05 84 00-0091	EA		24" Diameter, Gray Iron, Manhole Cover With Frame	442.97	64.94
			<i>For Ductile Iron Castings, Add</i>	173.72	
			<i>For Heavy Duty, Add</i>	164.78	
33 05 84 00-0092	EA		24" Square, Gray Iron, Manhole Cover With Frame	647.64	72.08
			<i>For Ductile Iron Castings, Add</i>	301.84	
			<i>For Heavy Duty, Add</i>	237.50	
33 05 84 00-0093	EA		26" Diameter, Gray Iron, Manhole Cover With Frame	576.77	77.92
			<i>For Ductile Iron Castings, Add</i>	239.46	
			<i>For Heavy Duty, Add</i>	213.60	
33 05 84 00-0094	EA		30" Diameter, Gray Iron, Manhole Cover With Frame	600.99	81.16
			<i>For Ductile Iron Castings, Add</i>	250.25	
			<i>For Heavy Duty, Add</i>	222.52	
33 05 84 00-0095			Watertight Type Manhole Covers And Frames (33 05 84 00-0087)		
33 05 84 00-0096	EA		20" Diameter, Gray Iron, Watertight Manhole Cover With Frame	671.81	46.11
			<i>For Ductile Iron Castings, Add</i>	341.81	
33 05 84 00-0097	EA		22" Diameter, Gray Iron, Watertight Manhole Cover With Frame	688.52	46.11
			<i>For Ductile Iron Castings, Add</i>	342.93	
33 05 84 00-0098	EA		24" Diameter, Gray Iron, Watertight Manhole Cover With Frame	709.57	53.90
			<i>For Ductile Iron Castings, Add</i>	345.19	
33 05 84 00-0099	EA		26" Diameter, Gray Iron, Watertight Manhole Cover With Frame	832.69	60.39
			<i>For Ductile Iron Castings, Add</i>	418.60	
33 05 84 00-0100	EA		30" Diameter, Gray Iron, Watertight Manhole Cover With Frame	949.44	61.68
			<i>For Ductile Iron Castings, Add</i>	494.17	
33 05 84 00-0101	EA		32" Diameter, Gray Iron, Watertight Manhole Cover With Frame	994.18	62.98
			<i>For Ductile Iron Castings, Add</i>	523.25	
33 05 84 00-0102	EA		36" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,034.51	64.94
			<i>For Ductile Iron Castings, Add</i>	549.16	
33 05 84 00-0103			Aluminum Manhole Covers And Frames (33 05 84 00-0087)		
33 05 84 00-0104	EA		12" Square Aluminum Manhole Cover With Frame	354.00	18.80
33 05 84 00-0105	EA		18" Square Aluminum Manhole Cover With Frame	620.67	20.81
33 05 84 00-0106	EA		24" Square Aluminum Manhole Cover With Frame	877.77	24.16
33 05 84 00-0107			Remove And Reinstall Manhole Cover And Frame (33 05 84 00-0087)		
Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.					
33 05 84 00-0108	EA		Removal And Reinstallation Of Manhole Cover And Frame	260.35	
33 05 84 00-0109			Rainguard Inflow Protectors (33 05 84 00-0087)		
33 05 84 00-0110	EA		18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	77.77	13.45
33 05 84 00-0111	EA		22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	89.53	13.45
33 05 84 00-0112	EA		24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	107.06	16.14
33 05 84 00-0113	EA		26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	114.48	16.14
33 05 84 00-0114	EA		30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	141.79	18.83
33 05 84 00-0115	EA		32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	150.91	18.83
33 05 84 00-0116			Waste Water Collection System Taps (33 05 84)		
Note: For tapping existing structures only. Includes grout.					
33 05 84 00-0117			Brick Manhole Taps (33 05 84 00-0116)		
33 05 84 00-0118	EA		4" Tap In 6" Brick Manhole	334.86	
33 05 84 00-0119	EA		6" Tap In 6" Brick Manhole	374.78	
33 05 84 00-0120	EA		8" Tap In 6" Brick Manhole	413.98	
33 05 84 00-0121	EA		10" Tap In 6" Brick Manhole	453.11	
33 05 84 00-0122	EA		12" Tap In 6" Brick Manhole	498.75	
33 05 84 00-0123	EA		15" Tap In 6" Brick Manhole	537.80	
33 05 84 00-0124			Precast Concrete Manhole Tap (33 05 84 00-0116)		
33 05 84 00-0125	EA		4" Tap In Existing Precast Concrete Manhole	495.02	
33 05 84 00-0126	EA		6" Tap In Existing Precast Concrete Manhole	554.89	
33 05 84 00-0127	EA		8" Tap In Existing Precast Concrete Manhole	619.95	
33 05 84 00-0128	EA		10" Tap In Existing Precast Concrete Manhole	678.63	
33 05 84 00-0129	EA		12" Tap In Existing Precast Concrete Manhole	737.20	
33 05 84 00-0130	EA		15" Tap In Existing Precast Concrete Manhole	797.20	
33 05 84 00-0131	EA		18" Tap In Existing Precast Concrete Manhole	915.46	
33 05 84 00-0132	EA		24" Tap In Existing Precast Concrete Manhole	1,175.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 05 97 Identification and Signage for Utilities (33 05)

33 05 97 23 Utility Identification Warning Tape (33 05 97)

33 05 97 23-0001 Non-Detectable Utility Warning Tape (33 05 97 23)

Note: Labor installation is included with pipe and excavation..

33 05 97 23-0002	LF	3" Non-Detectable Utility Warning Tape	0.02
33 05 97 23-0003	LF	6" Non-Detectable Utility Warning Tape	0.03

33 05 97 23-0004 Detectable Utility Warning Tape (33 05 97 23)

Note: Labor installation is included with pipe and excavation..

33 05 97 23-0005	LF	2" Detectable Utility Warning Tape	0.02
33 05 97 23-0006	LF	3" Detectable Utility Warning Tape	0.03
33 05 97 23-0007	LF	6" Detectable Utility Warning Tape	0.06

33 10 Water Utilities (33)

33 11 Groundwater Sources (33 10)

33 11 13 Potable Water Supply Wells (33 11)

33 11 13 00-0001 Submersible Well Pumps (33 11 13)

Note: Includes pump end, motor and control box.

33 11 13 00-0002 4" Submersible Well Pumps (33 11 13 00-0001)

33 11 13 00-0003 Powder Coated Case And Cast Iron Ends (33 11 13 00-0002)

33 11 13 00-0004	EA	1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	998.92	292.42
33 11 13 00-0005	EA	3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,143.28	324.11
33 11 13 00-0006	EA	1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,268.44	360.13

33 11 13 00-0007 Stainless Steel Case And Ends (33 11 13 00-0002)

33 11 13 00-0008	EA	1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,163.95	288.10
33 11 13 00-0009	EA	3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,332.05	324.11
33 11 13 00-0010	EA	1 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,496.76	360.13
33 11 13 00-0011	EA	1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,731.55	396.14
33 11 13 00-0012	EA	2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,976.52	432.15
33 11 13 00-0013	EA	3 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,459.65	504.17
33 11 13 00-0014	EA	5 HP Submersible Well Pump, 4" Diameter Stainless Steel	3,154.15	576.19

33 11 13 00-0015 6" Submersible Well Pumps (33 11 13 00-0001)

33 11 13 00-0016	EA	5 HP Submersible Well Pump, 6" Diameter Stainless Steel	2,900.84	720.24
33 11 13 00-0017	EA	7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel	3,385.02	792.27
33 11 13 00-0018	EA	10 HP Submersible Well Pump, 6" Diameter Stainless Steel	3,890.85	864.30
33 11 13 00-0019	EA	15 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,989.38	1,008.34

33 14 Water Utility Transmission and Distribution (33 10)

33 14 11 Water Utility Transmission Piping (33 14)

See CSI section 33 14 13 00-0000 for water utility transmission piping.

33 14 13 Public Water Utility Distribution Piping (33 14)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 14 13 13 Ductile Iron Public Water Utility Distribution Piping (33 14 13)

33 14 13 13-0001 Ductile Iron Piping (33 14 13 13)

33 14 13 13-0002 Mechanical Joint Ductile Iron Piping (33 14 13 13-0001)

Note: Cement lining and bituminous coating shall conform to ANSI A21.4.

33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe (33 14 13 13-0002)

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D class 50.

33 14 13 13-0004	LF	4" Mechanical Joint Ductile Iron Pipe.....	31.76	8.39
		<i>For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add</i>	13.34	
		<i>For Cement Mortar Lining (CML), Add</i>	1.91	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	1.43	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
		<i>For >1,000, Deduct</i>	-1.59	
		<i>For Class 51, Add</i>	1.80	
		<i>For Class 52, Add</i>	4.04	
		<i>For Class 53, Add</i>	10.69	
		<i>For Class 54, Add</i>	15.24	
		<i>For Class 55, Add</i>	17.54	
		<i>For Class 56, Add</i>	19.79	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0005 LF 6" Mechanical Joint Ductile Iron Pipe.....	33.16	8.80
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	13.90	
For Cement Mortar Lining (CML), Add	1.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.49	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.66	
For Class 51, Add	1.88	
For Class 52, Add	4.21	
For Class 53, Add	11.14	
For Class 54, Add	15.89	
For Class 55, Add	18.28	
For Class 56, Add	20.63	
33 14 13 13-0006 LF 8" Mechanical Joint Ductile Iron Pipe.....	39.25	9.14
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	17.78	
For Cement Mortar Lining (CML), Add	2.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.91	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.96	
For Class 51, Add	2.37	
For Class 52, Add	5.30	
For Class 53, Add	14.13	
For Class 54, Add	20.16	
For Class 55, Add	23.18	
For Class 56, Add	26.15	
33 14 13 13-0007 LF 10" Mechanical Joint Ductile Iron Pipe.....	52.67	12.96
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	19.82	
For Cement Mortar Lining (CML), Add	3.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.48	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-2.63	
For Class 51, Add	3.10	
For Class 52, Add	6.94	
For Class 53, Add	18.44	
For Class 54, Add	26.30	
For Class 55, Add	30.25	
For Class 56, Add	34.13	
33 14 13 13-0008 LF 12" Mechanical Joint Ductile Iron Pipe.....	64.01	14.40
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	21.10	
For Cement Mortar Lining (CML), Add	4.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.17	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.20	
For Class 51, Add	3.91	
For Class 52, Add	8.78	
For Class 53, Add	23.43	
For Class 54, Add	33.43	
For Class 55, Add	38.44	
For Class 56, Add	43.35	
33 14 13 13-0009 Mechanical Joint Ductile Iron 90 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0010 EA 4" Mechanical Joint Ductile Iron 90 Degree Elbow	107.93	29.72
For Cement Mortar Lining (CML), Add	6.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.72	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0011 EA 6" Mechanical Joint Ductile Iron 90 Degree Elbow	169.35	43.92
For Cement Mortar Lining (CML), Add	10.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.71	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0012 EA 8" Mechanical Joint Ductile Iron 90 Degree Elbow	228.57	52.10
For Cement Mortar Lining (CML), Add	14.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.22	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0013 EA 10" Mechanical Joint Ductile Iron 90 Degree Elbow	325.05	57.46
For Cement Mortar Lining (CML), Add	23.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.85	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0014 EA 12" Mechanical Joint Ductile Iron 90 Degree Elbow	422.54	67.41
For Cement Mortar Lining (CML), Add	32.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.03	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0015 Mechanical Joint Ductile Iron 45 Degree Elbow (33 14 13 13-0002)		



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0016 EA 4" Mechanical Joint Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	96.88 5.19 3.89	29.72
33 14 13 13-0017 EA 6" Mechanical Joint Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	149.80 8.33 6.25	43.92
33 14 13 13-0018 EA 8" Mechanical Joint Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	200.52 12.16 9.12	52.10
33 14 13 13-0019 EA 10" Mechanical Joint Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	264.70 17.77 13.32	57.46
33 14 13 13-0020 EA 12" Mechanical Joint Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	367.29 26.52 19.89	67.41
33 14 13 13-0021 Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <small>(33 14 13 13-0002)</small>		
33 14 13 13-0022 EA 4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	94.33 4.93 3.70	29.72
33 14 13 13-0023 EA 6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	143.00 7.65 5.74	43.92
33 14 13 13-0024 EA 8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	197.97 11.90 8.93	52.10
33 14 13 13-0025 EA 10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	263.85 17.68 13.26	57.46
33 14 13 13-0026 EA 12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	334.14 23.21 17.40	67.41
33 14 13 13-0027 Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <small>(33 14 13 13-0002)</small>		
33 14 13 13-0028 EA 4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	91.78 4.68 3.51	29.72
33 14 13 13-0029 EA 6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	145.55 7.91 5.93	43.92
33 14 13 13-0030 EA 8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	186.92 10.80 8.10	52.10
33 14 13 13-0031 EA 10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	262.15 17.51 13.13	57.46
33 14 13 13-0032 EA 12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	319.69 21.76 16.32	67.41
33 14 13 13-0033 EA 14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	596.48 48.20 36.15	75.59

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0034 EA 16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	658.74	86.39
For Cement Mortar Lining (CML), Add	52.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	39.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0035 EA 18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	957.58	120.95
For Cement Mortar Lining (CML), Add	77.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	58.08	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0036 EA 20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,013.60	151.19
For Cement Mortar Lining (CML), Add	78.46	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	58.84	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0037 EA 24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,351.43	201.32
For Cement Mortar Lining (CML), Add	104.64	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	78.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0038 Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <small>(33 14 13 13-0002)</small>		
33 14 13 13-0039 EA 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	119.83	29.72
For Cement Mortar Lining (CML), Add	7.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.61	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0040 EA 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	190.60	43.92
For Cement Mortar Lining (CML), Add	12.41	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.31	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0041 EA 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	256.62	52.10
For Cement Mortar Lining (CML), Add	17.77	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.32	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0042 EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	365.85	57.46
For Cement Mortar Lining (CML), Add	27.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0043 EA 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	466.74	67.41
For Cement Mortar Lining (CML), Add	36.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.35	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0044 EA 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	792.83	75.59
For Cement Mortar Lining (CML), Add	67.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	50.87	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0045 EA 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,205.29	86.39
For Cement Mortar Lining (CML), Add	107.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	80.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0046 EA 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,403.83	120.95
For Cement Mortar Lining (CML), Add	122.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	91.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0047 EA 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,904.40	151.19
For Cement Mortar Lining (CML), Add	167.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	125.65	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0048 EA 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,317.88	201.32
For Cement Mortar Lining (CML), Add	201.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	150.96	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0049 Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0002)</small>		
33 14 13 13-0050 EA 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	99.43	29.72
For Cement Mortar Lining (CML), Add	5.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.08	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0051 EA 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	159.15 9.27 6.95	43.92
33 14 13 13-0052 EA 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	227.72 14.88 11.16	52.10
33 14 13 13-0053 EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	308.05 22.10 16.58	57.46
33 14 13 13-0054 EA 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	416.59 31.45 23.59	67.41
33 14 13 13-0055 EA 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	703.58 58.91 44.18	75.59
33 14 13 13-0056 EA 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,065.04 93.42 70.06	86.39
33 14 13 13-0057 EA 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,261.88 107.87 80.90	120.95
33 14 13 13-0058 EA 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,637.50 140.85 105.63	151.19
33 14 13 13-0059 EA 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,060.33 175.53 131.64	201.32
33 14 13 13-0060 Mechanical Joint Ductile Iron Tee <small>(33 14 13 13-0002)</small>		
33 14 13 13-0061 EA 4" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	148.95 8.25 6.18	43.92
33 14 13 13-0062 EA 6" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	225.83 13.86 10.39	57.61
33 14 13 13-0063 EA 6" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	246.42 14.88 11.16	64.49
33 14 13 13-0064 EA 8" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	261.80 16.07 12.05	66.76
33 14 13 13-0065 EA 8" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	296.83 18.53 13.90	73.61
33 14 13 13-0066 EA 8" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	342.02 22.36 16.77	78.21
33 14 13 13-0067 EA 10" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	354.71 24.65 18.49	71.42

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0068 EA 10" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	356.88 23.89 17.91	77.90
33 14 13 13-0069 EA 10" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	404.22 27.97 20.97	82.22
33 14 13 13-0070 EA 10" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	450.49 31.96 23.97	86.39
33 14 13 13-0071 EA 12" x 4" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	423.05 30.18 22.63	80.06
33 14 13 13-0072 EA 12" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	479.61 34.85 26.14	86.53
33 14 13 13-0073 EA 12" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	585.61 44.80 33.60	90.86
33 14 13 13-0074 EA 12" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	626.78 48.28 36.21	95.03
33 14 13 13-0075 EA 12" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	596.78 44.63 33.47	99.35
33 14 13 13-0076 Mechanical Joint Ductile Iron Wye (Laterals) (33 14 13 13-0002)		
33 14 13 13-0077 EA 4" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	201.65 13.52 10.14	43.89
33 14 13 13-0078 EA 6" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	226.68 13.94 10.46	57.61
33 14 13 13-0079 EA 6" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	301.67 20.40 15.30	64.46
33 14 13 13-0080 EA 8" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	382.50 28.14 21.10	66.76
33 14 13 13-0081 EA 8" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	346.98 23.55 17.66	73.61
33 14 13 13-0082 EA 8" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	415.97 29.75 22.31	78.19
33 14 13 13-0083 EA 10" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	581.66 47.35 35.51	71.42
33 14 13 13-0084 EA 10" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	616.13 49.81 37.36	77.90



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0085	EA 10" x 8" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	705.97 58.14 43.61	82.22
33 14 13 13-0086	EA 10" x 10" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	793.04 66.22 49.66	86.39
33 14 13 13-0087	EA 12" x 4" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	739.25 61.80 46.35	80.06
33 14 13 13-0088	EA 12" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	834.91 70.38 52.79	86.53
33 14 13 13-0089	EA 12" x 8" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	1,002.11 86.45 64.83	90.86
33 14 13 13-0090	EA 12" x 10" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	1,031.38 88.74 66.56	95.03
33 14 13 13-0091	EA 12" x 12" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	938.48 78.80 59.10	99.34
33 14 13 13-0092	EA 14" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	1,101.37 94.86 71.15	100.83
33 14 13 13-0093	EA 14" x 8" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	1,257.52 109.82 82.37	105.15
33 14 13 13-0094	EA 14" x 10" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	1,633.59 146.80 110.10	109.33
33 14 13 13-0095	EA 14" x 12" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	1,748.93 157.68 118.26	113.65
33 14 13 13-0096	EA 14" x 14" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	1,712.17 152.92 114.69	120.79
33 14 13 13-0097	EA 16" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	1,136.95 95.37 71.53	120.94
33 14 13 13-0098	EA 16" x 8" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	1,248.90 105.91 79.43	125.27
33 14 13 13-0099	EA 16" x 10" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	1,466.87 127.08 95.31	129.44
33 14 13 13-0100	EA 16" x 12" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	1,637.46 143.48 107.61	133.75
33 14 13 13-0101	EA 16" x 14" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	2,041.00 182.75 137.06	140.91

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0102 EA 16" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,972.94 174.42 130.82	150.96
33 14 13 13-0103 EA 18" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,778.98 154.45 115.83	154.78
33 14 13 13-0104 EA 18" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,913.02 167.20 125.40	159.11
33 14 13 13-0105 EA 18" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,042.59 179.52 134.64	163.28
33 14 13 13-0106 EA 18" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,183.44 192.95 144.71	167.60
33 14 13 13-0107 EA 18" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,209.57 194.48 145.86	174.75
33 14 13 13-0108 EA 18" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,235.01 195.50 146.63	184.81
33 14 13 13-0109 EA 18" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,054.95 174.93 131.20	201.73
33 14 13 13-0110 EA 20" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,123.01 178.67 134.00	221.96
33 14 13 13-0111 EA 20" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,169.51 182.67 137.00	226.29
33 14 13 13-0112 EA 20" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,376.43 202.73 152.04	230.46
33 14 13 13-0113 EA 20" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,581.88 222.62 166.96	234.77
33 14 13 13-0114 EA 20" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,609.71 224.32 168.24	241.92
33 14 13 13-0115 EA 20" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,642.79 226.10 169.58	251.98
33 14 13 13-0116 EA 20" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,054.33 264.69 198.52	268.90
33 14 13 13-0117 EA 20" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,909.72 245.14 183.86	302.49
33 14 13 13-0118 EA 24" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,587.43 214.97 161.22	288.94



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0119	EA 24" x 8" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....2,621.18 217.69 163.26	293.26
33 14 13 13-0120	EA 24" x 10" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....2,908.86 245.82 184.37	297.43
33 14 13 13-0121	EA 24" x 12" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....3,041.19 258.40 193.80	301.75
33 14 13 13-0122	EA 24" x 14" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....3,497.43 302.94 227.21	308.90
33 14 13 13-0123	EA 24" x 16" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....3,877.32 339.41 254.55	318.95
33 14 13 13-0124	EA 24" x 18" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....4,331.35 382.25 286.68	335.88
33 14 13 13-0125	EA 24" x 20" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....4,758.80 419.90 314.93	369.46
33 14 13 13-0126	EA 24" x 24" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....4,248.54 363.80 272.85	402.95
33 14 13 13-0127	Mechanical Joint Ductile Iron Cross (33 14 13 13-0002)			
33 14 13 13-0128	EA 4" x 4" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....260.79 17.77 13.32	54.86
33 14 13 13-0129	EA 6" x 4" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....304.64 19.38 14.54	73.15
33 14 13 13-0130	EA 6" x 6" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....356.15 21.76 16.32	91.44
33 14 13 13-0131	EA 8" x 4" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....314.19 19.30 14.47	80.02
33 14 13 13-0132	EA 8" x 6" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....374.20 22.53 16.89	98.31
33 14 13 13-0133	EA 8" x 8" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....396.51 23.72 17.79	105.16
33 14 13 13-0134	EA 10" x 4" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....378.15 25.16 18.87	83.53
33 14 13 13-0135	EA 10" x 6" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....434.93 28.22 21.17	100.81

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0136 EA 10" x 8" Mechanical Joint Ductile Iron Cross.....	512.76	107.29
For Cement Mortar Lining (CML), Add	35.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0137 EA 10" x 10" Mechanical Joint Ductile Iron Cross.....	554.51	115.19
For Cement Mortar Lining (CML), Add	38.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	28.50	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0138 EA 12" x 4" Mechanical Joint Ductile Iron Cross.....	455.34	90.71
For Cement Mortar Lining (CML), Add	31.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.84	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0139 EA 12" x 6" Mechanical Joint Ductile Iron Cross.....	529.97	107.99
For Cement Mortar Lining (CML), Add	36.64	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0140 EA 12" x 8" Mechanical Joint Ductile Iron Cross.....	751.45	114.48
For Cement Mortar Lining (CML), Add	57.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	43.35	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0141 EA 12" x 10" Mechanical Joint Ductile Iron Cross.....	763.45	122.41
For Cement Mortar Lining (CML), Add	57.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	43.35	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0142 EA 12" x 12" Mechanical Joint Ductile Iron Cross.....	863.59	129.59
For Cement Mortar Lining (CML), Add	66.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	50.04	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0143 Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 14 13 13-0002)		
33 14 13 13-0144 EA 6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	114.23	36.12
For Cement Mortar Lining (CML), Add	5.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.46	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0145 EA 8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	143.32	40.70
For Cement Mortar Lining (CML), Add	8.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.12	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0146 EA 8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	158.75	47.55
For Cement Mortar Lining (CML), Add	8.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.50	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0147 EA 10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	170.83	42.62
For Cement Mortar Lining (CML), Add	10.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.97	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0148 EA 10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	186.59	49.10
For Cement Mortar Lining (CML), Add	11.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0149 EA 10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	204.19	53.42
For Cement Mortar Lining (CML), Add	12.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.24	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0150 EA 12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	205.42	46.94
For Cement Mortar Lining (CML), Add	13.43	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.07	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0151 EA 12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	228.84	53.42
For Cement Mortar Lining (CML), Add	14.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.09	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0152 EA 12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	239.63	57.74
For Cement Mortar Lining (CML), Add	15.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.41	
Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0153	EA			12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	262.10 16.83 12.62	61.92
33 14 13 13-0154 Mechanical Joint Ductile Iron Caps <small>(33 14 13 13-0002)</small>						
33 14 13 13-0155	EA			4" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	124.56 2.30 1.72	67.05
33 14 13 13-0156	EA			6" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	167.81 4.08 3.06	83.82
33 14 13 13-0157	EA			8" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	213.15 6.80 5.10	95.81
33 14 13 13-0158	EA			10" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	304.01 8.59 6.44	143.98
33 14 13 13-0159	EA			12" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	366.35 12.84 9.63	157.07
33 14 13 13-0160 Mechanical Joint Ductile Iron Plug <small>(33 14 13 13-0002)</small>						
33 14 13 13-0161	EA			4" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	129.66 2.81 2.10	67.05
33 14 13 13-0162	EA			6" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	181.41 5.44 4.08	83.82
33 14 13 13-0163	EA			8" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	226.75 8.16 6.12	95.81
33 14 13 13-0164	EA			10" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	359.26 14.11 10.58	143.98
33 14 13 13-0165	EA			12" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	381.65 14.37 10.77	157.07
33 14 13 13-0166	EA			14" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	554.20 29.24 21.93	172.79
33 14 13 13-0167	EA			16" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	328.28 3.74 2.81	191.96
33 14 13 13-0168	EA			18" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	791.35 46.41 34.81	215.98
33 14 13 13-0169	EA			20" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	984.29 61.03 45.77	246.81
33 14 13 13-0170	EA			24" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,282.93 84.66 63.50	287.98

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0171		Mechanical Joint Ductile Iron Long Sleeves (33 14 13 13-0002)		
33 14 13 13-0172	EA	4" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4	207.66 5.53	100.59
		For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4.14	
33 14 13 13-0173	EA	6" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4	283.16 9.27	125.73
		For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6.95	
33 14 13 13-0174	EA	8" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4	369.87 15.22	143.68
		For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11.41	
33 14 13 13-0175	EA	10" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4	508.30 18.11	215.98
		For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13.58	
33 14 13 13-0176	EA	12" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4	601.79 24.48	235.61
		For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18.36	
33 14 13 13-0177		Mechanical Joint Ductile Iron Gland Packs (33 14 13 13-0002) Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.		
33 14 13 13-0178		Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts (33 14 13 13-0177) Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0179	EA	4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	21.97	
33 14 13 13-0180	EA	6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	26.55	
33 14 13 13-0181	EA	8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	31.12	
33 14 13 13-0182	EA	10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	43.03	
33 14 13 13-0183	EA	12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	45.77	
33 14 13 13-0184	EA	14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	75.07	
33 14 13 13-0185	EA	16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	79.64	
33 14 13 13-0186	EA	18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	106.19	
33 14 13 13-0187	EA	20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	137.32	
33 14 13 13-0188	EA	24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	191.33	
33 14 13 13-0189		Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts (33 14 13 13-0177) Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0190	EA	4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	31.12	
33 14 13 13-0191	EA	6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	39.36	
33 14 13 13-0192	EA	8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	43.03	
33 14 13 13-0193	EA	10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	59.50	
33 14 13 13-0194	EA	12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	62.25	
33 14 13 13-0195	EA	14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	94.29	
33 14 13 13-0196	EA	16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	103.44	
33 14 13 13-0197	EA	18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	137.32	
33 14 13 13-0198	EA	20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	177.60	
33 14 13 13-0199	EA	24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	248.08	
33 14 13 13-0200		Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts (33 14 13 13-0177) Note: Labor installation is included with pipe fittings or valves.		



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0201	EA	4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	23.80	
33 14 13 13-0202	EA	6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	28.38	
33 14 13 13-0203	EA	8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	33.87	
33 14 13 13-0204	EA	10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	46.69	
33 14 13 13-0205	EA	12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	49.43	
33 14 13 13-0206	EA	14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	81.47	
33 14 13 13-0207	EA	16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	86.05	
33 14 13 13-0208	EA	18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	116.26	
33 14 13 13-0209	EA	20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	149.22	
33 14 13 13-0210	EA	24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	208.72	
33 14 13 13-0211		Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters (33 14 13 13-0002)		
33 14 13 13-0212	EA	4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4	211.91 5.95	100.59
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	4.46	
33 14 13 13-0213	EA	6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4	272.96 8.25	125.73
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	6.18	
33 14 13 13-0214	EA	8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4	342.67 12.50	143.68
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	9.37	
33 14 13 13-0215	EA	10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4	544.85 21.76	215.98
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	16.32	
33 14 13 13-0216	EA	12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4	635.79 27.88	235.61
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	20.91	
33 14 13 13-0217		Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100) (33 14 13 13-0002)		
		Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-0218	EA	4" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100).....	140.12	51.61
33 14 13 13-0219	EA	6" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100).....	173.84	63.87
33 14 13 13-0220	EA	8" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100).....	217.51	74.54
33 14 13 13-0221	EA	10" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100).....	313.11	107.99
33 14 13 13-0222	EA	12" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100).....	387.39	123.43
33 14 13 13-0223		Push-On Joint Ductile Iron Piping (33 14 13 13-0001)		
33 14 13 13-0224		Push-On Joint Ductile Iron Pipe (33 14 13 13-0223)		
		Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D class 50.		
33 14 13 13-0225	LF	4" Push-On Joint Ductile Iron Pipe.....	21.62	5.72
		<i>For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add</i>	9.07	
		<i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4	1.30	
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	0.97	
		<i>For >1,000, Deduct</i>	-1.08	
		<i>For Class 51, Add</i>	1.23	
		<i>For Class 52, Add</i>	2.75	
		<i>For Class 53, Add</i>	7.27	
		<i>For Class 54, Add</i>	10.37	
		<i>For Class 55, Add</i>	11.93	
		<i>For Class 56, Add</i>	13.46	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0226 LF 6" Push-On Joint Ductile Iron Pipe.....	23.71	6.31
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	9.95	
For Cement Mortar Lining (CML), Add	1.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.07	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.19	
For Class 51, Add	1.35	
For Class 52, Add	3.01	
For Class 53, Add	7.98	
For Class 54, Add	11.37	
For Class 55, Add	13.09	
For Class 56, Add	14.77	
33 14 13 13-0227 LF 8" Push-On Joint Ductile Iron Pipe.....	29.84	6.93
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	13.61	
For Cement Mortar Lining (CML), Add	1.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.46	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.49	
For Class 51, Add	1.81	
For Class 52, Add	4.05	
For Class 53, Add	10.81	
For Class 54, Add	15.42	
For Class 55, Add	17.73	
For Class 56, Add	20.00	
33 14 13 13-0228 LF 10" Push-On Joint Ductile Iron Pipe.....	42.15	9.75
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	16.45	
For Cement Mortar Lining (CML), Add	2.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.06	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-2.11	
For Class 51, Add	2.55	
For Class 52, Add	5.72	
For Class 53, Add	15.25	
For Class 54, Add	21.75	
For Class 55, Add	25.01	
For Class 56, Add	28.21	
33 14 13 13-0229 LF 12" Push-On Joint Ductile Iron Pipe.....	49.05	10.80
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	16.35	
For Cement Mortar Lining (CML), Add	3.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.45	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-2.45	
For Class 51, Add	3.03	
For Class 52, Add	6.79	
For Class 53, Add	18.13	
For Class 54, Add	25.87	
For Class 55, Add	29.74	
For Class 56, Add	33.54	
33 14 13 13-0230 Push-On Joint Ductile Iron 90 Degree Elbow (33 14 13 13-0223)		
33 14 13 13-0231 EA 4" 90 Degree Elbow, Push-On Joint Ductile Iron	142.63	22.31
For Cement Mortar Lining (CML), Add	10.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.16	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0232 EA 6" 90 Degree Elbow, Push-On Joint Ductile Iron	206.74	32.90
For Cement Mortar Lining (CML), Add	15.69	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.76	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0233 EA 8" 90 Degree Elbow, Push-On Joint Ductile Iron	276.82	39.07
For Cement Mortar Lining (CML), Add	21.76	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.32	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0234 EA 10" 90 Degree Elbow, Push-On Joint Ductile Iron	418.01	43.07
For Cement Mortar Lining (CML), Add	32.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.67	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0235 EA 12" 90 Degree Elbow, Push-On Joint Ductile Iron	539.62	50.53
For Cement Mortar Lining (CML), Add	43.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.64	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0236 Push-On Joint Ductile Iron Tee (33 14 13 13-0223)		



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0237 EA 4" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	218.14 16.83 12.62	32.90
33 14 13 13-0238 EA 6" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	303.53 23.02 17.27	48.35
33 14 13 13-0239 EA 8" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	415.29 32.64 24.48	58.61
33 14 13 13-0240 EA 10" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	611.79 51.36 38.52	65.45
33 14 13 13-0241 EA 12" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	762.25 64.77 48.58	75.47
33 14 13 13-0242 Flanged End x Push-On Joint Ductile Iron Adapters (33 14 13 13-0223)		
33 14 13 13-0243 EA 4" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	226.07 10.88 8.16	77.38
33 14 13 13-0244 EA 6" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	277.08 13.19 9.89	95.81
33 14 13 13-0245 EA 8" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	358.98 18.96 14.22	111.74
33 14 13 13-0246 EA 10" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	492.80 24.74 18.55	161.99
33 14 13 13-0247 EA 12" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	593.82 31.33 23.50	185.15
33 14 13 13-0248 Push-On Joint Ductile Iron Pipe And Fitting Restraints (33 14 13 13-0223) Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-0249 EA 4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	29.17	8.39
33 14 13 13-0250 EA 6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	32.75	8.39
33 14 13 13-0251 EA 8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	43.43	11.78
33 14 13 13-0252 EA 10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	52.65	12.96
33 14 13 13-0253 EA 12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	63.00	14.40
33 14 13 13-0254 Push-On Joint Ductile Iron Bell Restraint Harness (Megalug 1700) (33 14 13 13-0223)		
33 14 13 13-0255 EA 4" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	140.57	44.18
33 14 13 13-0256 EA 6" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	185.39	53.93
33 14 13 13-0257 EA 8" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	238.67	65.77
33 14 13 13-0258 EA 10" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	359.43	80.25
33 14 13 13-0259 EA 12" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	445.79	97.85
33 14 13 13-0260 EA 14" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	767.88	119.38
33 14 13 13-0261 EA 16" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	876.76	145.69
33 14 13 13-0262 EA 18" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	995.47	177.69
33 14 13 13-0263 EA 20" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	1,352.89	216.84
33 14 13 13-0264 EA 24" Bell Restraint Harness, Ductile Iron (Megalug 1700).....	1,725.38	264.48
33 14 13 23 Plastic Public Water Utility Distribution Piping (33 14 13)		
33 14 13 23-0001 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping (33 14 13 23)		
33 14 13 23-0002 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe (33 14 13 23-0001)		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0003 LF 3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	1.40	0.50
For >1,000, Deduct	-0.07	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.02	
33 14 13 23-0004 LF 1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	1.54	0.54
For >1,000, Deduct	-0.08	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.03	
33 14 13 23-0005 LF 1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	1.78	0.59
For >1,000, Deduct	-0.09	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.05	
33 14 13 23-0006 LF 1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.04	0.65
For >1,000, Deduct	-0.10	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.06	
33 14 13 23-0007 LF 2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	2.60	0.72
For >1,000, Deduct	-0.13	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.12	
33 14 13 23-0008 LF 2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.30	0.82
For >1,000, Deduct	-0.17	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.19	
33 14 13 23-0009 LF 3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	4.00	0.92
For >1,000, Deduct	-0.20	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.25	
33 14 13 23-0010 LF 4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	5.61	1.14
For >1,000, Deduct	-0.28	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.42	
33 14 13 23-0011 LF 6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	9.65	1.45
For >1,000, Deduct	-0.48	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.90	
33 14 13 23-0012 LF 8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	15.26	2.01
For >1,000, Deduct	-0.76	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.53	
33 14 13 23-0013 LF 10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	22.64	2.70
For >1,000, Deduct	-1.13	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	2.38	
33 14 13 23-0014 LF 12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	31.47	3.63
For >1,000, Deduct	-1.57	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	3.36	
33 14 13 23-0015 90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0001)		
33 14 13 23-0016 EA 3/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	15.18	6.01
33 14 13 23-0017 EA 1" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	19.17	7.50
33 14 13 23-0018 EA 1-1/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	24.11	9.38
33 14 13 23-0019 EA 1-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	34.76	10.38
33 14 13 23-0020 EA 2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	37.76	11.63
33 14 13 23-0021 EA 2-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	44.49	13.20
33 14 13 23-0022 EA 3" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	49.88	14.81
33 14 13 23-0023 EA 4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	68.30	18.19
33 14 13 23-0024 EA 6" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	97.13	23.11
33 14 13 23-0025 EA 8" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	154.46	30.34
33 14 13 23-0026 EA 10" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	191.25	40.59
33 14 13 23-0027 EA 12" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	253.20	54.63
33 14 13 23-0028 45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0001)		
33 14 13 23-0029 EA 3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	15.41	6.01
33 14 13 23-0030 EA 1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	19.34	7.50
33 14 13 23-0031 EA 1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	24.21	9.38
33 14 13 23-0032 EA 1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	31.68	10.38
33 14 13 23-0033 EA 2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	38.05	11.63
33 14 13 23-0034 EA 2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	45.66	13.20
33 14 13 23-0035 EA 3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	49.39	14.81
33 14 13 23-0036 EA 4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	67.24	18.19
33 14 13 23-0037 EA 6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	94.99	23.11
33 14 13 23-0038 EA 8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	150.37	30.34
33 14 13 23-0039 EA 10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	174.32	40.59
33 14 13 23-0040 EA 12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	229.77	54.63
33 14 13 23-0041 Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0001)		
33 14 13 23-0042 EA 3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	22.75	9.00
33 14 13 23-0043 EA 1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	28.69	11.32
33 14 13 23-0044 EA 1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	35.95	14.14
33 14 13 23-0045 EA 1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	48.35	15.63
33 14 13 23-0046 EA 2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	54.90	17.39
33 14 13 23-0047 EA 2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	63.72	19.82
33 14 13 23-0048 EA 3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	76.14	22.16
33 14 13 23-0049 EA 4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	99.31	27.31
33 14 13 23-0050 EA 6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	160.51	34.72
33 14 13 23-0051 EA 8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	237.99	45.50
33 14 13 23-0052 EA 10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	287.21	64.75
33 14 13 23-0053 EA 12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	361.75	87.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0054 Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0001)</small>		
33 14 13 23-0055 EA 3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	10.16	4.00
33 14 13 23-0056 EA 1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	13.70	5.38
33 14 13 23-0057 EA 1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	18.25	7.06
33 14 13 23-0058 EA 1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	24.67	7.82
33 14 13 23-0059 EA 2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	27.23	8.70
33 14 13 23-0060 EA 2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	30.98	9.89
33 14 13 23-0061 EA 3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	35.49	11.08
33 14 13 23-0062 EA 4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	48.11	13.63
33 14 13 23-0063 EA 6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	67.93	17.36
33 14 13 23-0064 EA 8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	112.84	22.75
33 14 13 23-0065 EA 10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	136.97	32.41
33 14 13 23-0066 EA 12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	175.51	43.57
33 14 13 23-0067 Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings <small>(33 14 13 23)</small>		
33 14 13 23-0068 Schedule 40 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0067)</small>		
33 14 13 23-0069 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	1.52	0.50
For >1,000, Deduct	-0.08	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.04	
33 14 13 23-0070 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe	1.76	0.54
For >1,000, Deduct	-0.09	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.06	
33 14 13 23-0071 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.25	0.65
For >1,000, Deduct	-0.11	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.09	
33 14 13 23-0072 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.68	0.72
For >1,000, Deduct	-0.13	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.13	
33 14 13 23-0073 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.43	0.82
For >1,000, Deduct	-0.17	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.21	
33 14 13 23-0074 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pipe	4.08	0.92
For >1,000, Deduct	-0.20	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.27	
33 14 13 23-0075 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	5.39	1.14
For >1,000, Deduct	-0.27	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.38	
33 14 13 23-0076 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pipe	8.07	1.45
For >1,000, Deduct	-0.40	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.67	
33 14 13 23-0077 90 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0067)</small>		
33 14 13 23-0078 EA 3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	15.26	6.01
33 14 13 23-0079 EA 1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	19.22	7.50
33 14 13 23-0080 EA 1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	26.70	10.38
33 14 13 23-0081 EA 2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	30.10	11.63
33 14 13 23-0082 EA 2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	35.88	13.20
33 14 13 23-0083 EA 3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	40.46	14.81
33 14 13 23-0084 EA 4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	52.54	18.19
33 14 13 23-0085 EA 6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	80.25	23.11
33 14 13 23-0086 45 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0067)</small>		
33 14 13 23-0087 EA 3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	15.24	6.01
33 14 13 23-0088 EA 1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	19.20	7.50
33 14 13 23-0089 EA 1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	26.70	10.38
33 14 13 23-0090 EA 2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	30.02	11.63
33 14 13 23-0091 EA 2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	35.66	13.20
33 14 13 23-0092 EA 3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	40.21	14.81
33 14 13 23-0093 EA 4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	52.02	18.19
33 14 13 23-0094 EA 6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	78.59	23.11
33 14 13 23-0095 Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0067)</small>		
33 14 13 23-0096 EA 3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	22.84	9.00
33 14 13 23-0097 EA 1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	28.76	11.32
33 14 13 23-0098 EA 1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	39.94	15.63
33 14 13 23-0099 EA 2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	44.87	17.39
33 14 13 23-0100 EA 2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	53.95	19.82
33 14 13 23-0101 EA 3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	61.76	22.16
33 14 13 23-0102 EA 4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	76.69	27.31
33 14 13 23-0103 EA 6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	121.98	34.72
33 14 13 23-0104 Couplings, Schedule 40 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0067)</small>		
33 14 13 23-0105 EA 3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	10.20	4.00
33 14 13 23-0106 EA 1" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	13.74	5.38
33 14 13 23-0107 EA 1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	19.92	7.82

33	Utilities
33 10	Water Utilities
33 14	Water Utility Transmission and Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0108 EA 2" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	22.42	8.70
33 14 13 23-0109 EA 2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	26.20	9.89
33 14 13 23-0110 EA 3" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	29.96	11.08
33 14 13 23-0111 EA 4" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	37.08	13.63
33 14 13 23-0112 EA 6" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	53.60	17.36
33 14 13 23-0113 Crosses, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0067)		
33 14 13 23-0114 EA 3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	30.54	12.01
33 14 13 23-0115 EA 1" Cross, Schedule 40 Polyvinyl Chloride (PVC)	38.30	15.07
33 14 13 23-0116 EA 1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	53.25	20.83
33 14 13 23-0117 EA 2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	59.81	23.20
33 14 13 23-0118 EA 2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	71.90	26.39
33 14 13 23-0119 EA 3" Cross, Schedule 40 Polyvinyl Chloride (PVC)	82.30	29.57
33 14 13 23-0120 EA 4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	102.21	36.38
33 14 13 23-0121 EA 6" Cross, Schedule 40 Polyvinyl Chloride (PVC)	162.43	46.27
33 14 13 23-0122 Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)		
33 14 13 23-0123 Schedule 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0122)		
33 14 13 23-0124 LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pipe	1.89	0.54
For >1,000, Deduct	-0.09	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.08	
33 14 13 23-0125 LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	2.51	0.65
For >1,000, Deduct	-0.13	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.13	
33 14 13 23-0126 LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	3.12	0.72
For >1,000, Deduct	-0.16	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.20	
33 14 13 23-0127 LF 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	3.99	0.82
For >1,000, Deduct	-0.20	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.29	
33 14 13 23-0128 LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pipe	4.88	0.92
For >1,000, Deduct	-0.24	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.39	
33 14 13 23-0129 LF 4" Schedule 80 Polyvinyl Chloride (PVC) Pipe	6.61	1.14
For >1,000, Deduct	-0.33	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.57	
33 14 13 23-0130 LF 6" Schedule 80 Polyvinyl Chloride (PVC) Pipe	10.79	1.45
For >1,000, Deduct	-0.54	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.08	
33 14 13 23-0131 90 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0122)		
33 14 13 23-0132 EA 1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	19.89	7.50
33 14 13 23-0133 EA 1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	26.70	10.38
33 14 13 23-0134 EA 2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	30.78	11.63
33 14 13 23-0135 EA 2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	37.32	13.20
33 14 13 23-0136 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	41.80	14.81
33 14 13 23-0137 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	52.86	18.19
33 14 13 23-0138 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	78.73	23.11
33 14 13 23-0139 45 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0122)		
33 14 13 23-0140 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	22.66	7.50
33 14 13 23-0141 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	29.36	10.38
33 14 13 23-0142 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	33.34	11.63
33 14 13 23-0143 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	42.13	13.20
33 14 13 23-0144 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	48.06	14.81
33 14 13 23-0145 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	65.45	18.19
33 14 13 23-0146 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	77.89	23.11
33 14 13 23-0147 Tees Or Wyes, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0122)		
33 14 13 23-0148 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	30.18	11.32
33 14 13 23-0149 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	44.25	15.63
33 14 13 23-0150 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	50.00	17.39
33 14 13 23-0151 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	56.66	19.82
33 14 13 23-0152 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	64.35	22.16
33 14 13 23-0153 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	78.56	27.31
33 14 13 23-0154 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	121.91	34.72
33 14 13 23-0155 Couplings, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0122)		
33 14 13 23-0156 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	14.75	5.38
33 14 13 23-0157 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	21.66	7.82
33 14 13 23-0158 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	24.06	8.70
33 14 13 23-0159 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	30.41	9.89
33 14 13 23-0160 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	34.19	11.08
33 14 13 23-0161 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	42.23	13.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0162 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	60.79	17.36
33 14 13 23-0163 Crosses, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0122)		
33 14 13 23-0164 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	40.18	15.07
33 14 13 23-0165 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	58.96	20.83
33 14 13 23-0166 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	66.62	23.20
33 14 13 23-0167 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	75.51	26.39
33 14 13 23-0168 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	85.75	29.57
33 14 13 23-0169 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	104.70	36.38
33 14 13 23-0170 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	162.34	46.27
33 14 13 23-0171 AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe (33 14 13 23)		
Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.		
33 14 13 23-0172 AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0171)		
33 14 13 23-0173 LF 4" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	6.59	2.29
33 14 13 23-0174 LF 6" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	9.64	2.78
33 14 13 23-0175 LF 8" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	13.29	3.13
33 14 13 23-0176 LF 10" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	17.57	3.47
33 14 13 23-0177 LF 12" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	22.82	3.89
33 14 13 23-0178 AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0171)		
33 14 13 23-0179 LF 4" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	7.30	2.29
33 14 13 23-0180 LF 6" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	11.13	2.78
33 14 13 23-0181 LF 8" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	15.80	3.13
33 14 13 23-0182 LF 10" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	21.47	3.47
33 14 13 23-0183 LF 12" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	28.27	3.89
33 14 13 23-0184 AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0171)		
33 14 13 23-0185 LF 4" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe.....	8.01	2.29
33 14 13 23-0186 LF 6" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe.....	12.61	2.78
33 14 13 23-0187 LF 8" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe.....	18.31	3.13
33 14 13 23-0188 LF 10" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe.....	25.29	3.47
33 14 13 23-0189 LF 12" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe.....	33.71	3.89
33 14 13 23-0190 AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) Fittings (33 14 13 23)		
Note: Includes rubber gaskets.		
33 14 13 23-0191 90 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) (33 14 13 23-0190)		
33 14 13 23-0192 EA 4" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	134.54	7.50
For DR 25, Deduct	-7.17	
33 14 13 23-0193 EA 6" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	277.80	8.45
For DR 25, Deduct	-15.65	
33 14 13 23-0194 EA 8" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	418.41	9.38
For DR 25, Deduct	-23.98	
33 14 13 23-0195 EA 10" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	639.23	15.13
For DR 25, Deduct	-36.54	
33 14 13 23-0196 EA 12" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	714.74	25.22
For DR 25, Deduct	-39.86	
33 14 13 23-0197 45 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) (33 14 13 23-0190)		
33 14 13 23-0198 EA 4" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	118.93	7.50
For DR 25, Deduct	-6.24	
33 14 13 23-0199 EA 6" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	207.03	8.45
For DR 25, Deduct	-11.41	
33 14 13 23-0200 EA 8" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	262.79	9.38
For DR 25, Deduct	-14.64	
33 14 13 23-0201 EA 10" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	371.59	15.13
For DR 25, Deduct	-20.48	
33 14 13 23-0202 EA 12" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	495.29	25.22
For DR 25, Deduct	-26.69	
33 14 13 23-0203 22-1/2 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) (33 14 13 23-0190)		
33 14 13 23-0204 EA 4" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	117.04	7.50
For DR 25, Deduct	-6.12	
33 14 13 23-0205 EA 6" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	207.03	8.45
For DR 25, Deduct	-11.41	
33 14 13 23-0206 EA 8" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	262.80	9.38
For DR 25, Deduct	-14.64	
33 14 13 23-0207 EA 10" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	371.60	15.13
For DR 25, Deduct	-20.48	

33	Utilities
33 10	Water Utilities
33 14	Water Utility Transmission and Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0208 EA 12" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	495.30 -26.69	25.22
33 14 13 23-0209 11-1/4 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0190)</small>		
33 14 13 23-0210 EA 4" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	103.06 -5.28	7.50
33 14 13 23-0211 EA 6" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	207.03 -11.41	8.45
33 14 13 23-0212 EA 8" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	262.80 -14.64	9.38
33 14 13 23-0213 EA 10" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	371.60 -20.48	15.13
33 14 13 23-0214 EA 12" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	495.30 -26.69	25.22
33 14 13 23-0215 Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0190)</small>		
33 14 13 23-0216 EA 4" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	160.06 -8.59	8.45
33 14 13 23-0217 EA 6" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	311.47 -17.56	9.38
33 14 13 23-0218 EA 8" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	435.46 -24.85	10.64
33 14 13 23-0219 EA 10" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	899.53 -51.70	18.91
33 14 13 23-0220 EA 12" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,093.48 -61.07	37.83
33 14 13 23-0221 Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0190)</small>		
33 14 13 23-0222 EA 6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	309.17 -17.09	12.20
33 14 13 23-0223 EA 8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	421.70 -23.73	13.14
33 14 13 23-0224 EA 8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	432.20 -24.30	13.60
33 14 13 23-0225 EA 10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,340.08 -258.14	18.91
33 14 13 23-0226 EA 10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	761.81 -43.38	19.39
33 14 13 23-0227 EA 10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	815.23 -46.53	19.86
33 14 13 23-0228 EA 12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	861.89 -48.23	29.00
33 14 13 23-0229 EA 12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	990.52 -55.89	29.47
33 14 13 23-0230 EA 12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,051.23 -59.48	29.95
33 14 13 23-0231 EA 12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,070.34 -60.29	32.79
33 14 13 23-0232 Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0190)</small>		
33 14 13 23-0233 EA 4" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	220.93 -11.45	15.01
33 14 13 23-0234 EA 6" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	400.15 -21.98	16.89
33 14 13 23-0235 EA 8" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	555.53 -31.08	18.77
33 14 13 23-0236 EA 10" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,137.20 -64.60	30.26
33 14 13 23-0237 EA 12" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,348.19 -76.35	37.83
33 14 13 23-0238 Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0190)</small>		
33 14 13 23-0239 EA 6" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	388.16 -21.38	15.95
33 14 13 23-0240 EA 8" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	528.67 -29.69	16.89
33 14 13 23-0241 EA 8" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	542.01 -30.38	17.82
33 14 13 23-0242 EA 10" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	815.02 -46.18	22.70
33 14 13 23-0243 EA 10" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	951.19 -54.23	23.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0244 EA 10" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,045.33	24.59
<i>For DR 25, Deduct</i>	-59.77	
33 14 13 23-0245 EA 12" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,070.75	32.79
<i>For DR 25, Deduct</i>	-60.31	
33 14 13 23-0246 EA 12" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,231.86	33.74
<i>For DR 25, Deduct</i>	-69.86	
33 14 13 23-0247 EA 12" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,308.48	34.67
<i>For DR 25, Deduct</i>	-74.35	
33 14 13 23-0248 EA 12" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,336.57	40.35
<i>For DR 25, Deduct</i>	-75.35	
33 14 13 23-0249 Couplings, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0190)</small>		
33 14 13 23-0250 EA 4" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	79.38	7.50
<i>For DR 25, Deduct</i>	-3.86	
33 14 13 23-0251 EA 6" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	149.76	8.45
<i>For DR 25, Deduct</i>	-7.97	
33 14 13 23-0252 EA 8" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	180.52	9.38
<i>For DR 25, Deduct</i>	-9.71	
33 14 13 23-0253 EA 10" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	256.53	15.13
<i>For DR 25, Deduct</i>	-13.58	
33 14 13 23-0254 EA 12" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	409.61	18.91
<i>For DR 25, Deduct</i>	-22.31	
33 14 13 23-0255 Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0190)</small>		
33 14 13 23-0256 EA 4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	98.99	7.50
<i>For DR 25, Deduct</i>	-5.04	
33 14 13 23-0257 EA 6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	135.05	8.45
<i>For DR 25, Deduct</i>	-7.09	
33 14 13 23-0258 EA 8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	197.28	9.38
<i>For DR 25, Deduct</i>	-10.71	
33 14 13 23-0259 EA 10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	269.59	15.13
<i>For DR 25, Deduct</i>	-14.36	
33 14 13 23-0260 EA 12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	431.74	25.22
<i>For DR 25, Deduct</i>	-22.88	
33 14 13 26 Galvanized Steel Public Water Utility Distribution Piping <small>(33 14 13)</small>		
<small>See CSI section 22 11 16 00-0013 for galvanized steel pipe.</small>		
33 14 13 36 Steel Public Water Utility Distribution Piping <small>(33 14 13)</small>		
33 14 13 36-0001 Steel Piping <small>(33 14 13 36)</small>		
33 14 13 36-0002 Welded, Plain End, Uncoated Steel Piping <small>(33 14 13 36-0001)</small>		
<small>Note: ASTM A252 steel pipe.</small>		
33 14 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping <small>(33 14 13 36-0002)</small>		
33 14 13 36-0004 LF 8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	38.58	16.90
<i>For >1,000, Deduct</i>	-1.93	
33 14 13 36-0005 LF 8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	42.72	16.90
<i>For >1,000, Deduct</i>	-2.14	
33 14 13 36-0006 LF 10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	44.18	18.43
<i>For >1,000, Deduct</i>	-2.21	
33 14 13 36-0007 LF 10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	49.41	18.43
<i>For >1,000, Deduct</i>	-2.47	
33 14 13 36-0008 LF 12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	50.39	19.31
<i>For >1,000, Deduct</i>	-2.52	
33 14 13 36-0009 LF 12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	54.45	19.31
<i>For >1,000, Deduct</i>	-2.72	
33 14 13 36-0010 Flexible Couplings (Dresser Style 38) <small>(33 14 13 36-0001)</small>		
33 14 13 36-0011 EA 2" Dresser Coupling For Plain End Welded Steel Pipe.....	90.76	16.84
33 14 13 36-0012 EA 3" Dresser Coupling For Plain End Welded Steel Pipe.....	125.71	32.38
33 14 13 36-0013 EA 4" Dresser Coupling For Plain End Welded Steel Pipe.....	167.22	42.75
33 14 13 36-0014 EA 6" Dresser Coupling For Plain End Welded Steel Pipe.....	270.50	64.76
33 14 13 36-0015 EA 8" Dresser Coupling For Plain End Welded Steel Pipe.....	357.65	81.60
33 14 13 36-0016 EA 10" Dresser Coupling For Plain End Welded Steel Pipe.....	501.28	98.17
33 14 13 36-0017 EA 12" Dresser Coupling For Plain End Welded Steel Pipe.....	589.70	123.04
33 14 13 39 Copper Public Water Utility Distribution Piping <small>(33 14 13)</small>		
33 14 13 39-0001 Type K Copper Water Distribution Piping <small>(33 14 13 39)</small>		
33 14 13 39-0002 LF 1/2" Type K Copper Water Distribution Pipe.....	4.63	1.21
33 14 13 39-0003 LF 3/4" Type K Copper Water Distribution Pipe.....	6.28	1.36
33 14 13 39-0004 LF 1" Type K Copper Water Distribution Pipe.....	8.09	1.51
33 14 13 39-0005 LF 1-1/4" Type K Copper Water Distribution Pipe.....	9.62	1.81
33 14 13 39-0006 LF 1-1/2" Type K Copper Water Distribution Pipe.....	12.19	2.41
33 14 13 39-0007 LF 2" Type K Copper Water Distribution Pipe.....	17.12	3.01

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 39-0008 LF 2-1/2" Type K Copper Water Distribution Pipe.....	24.84	3.62
33 14 13 39-0009 LF 3" Type K Copper Water Distribution Pipe.....	32.57	3.98
33 14 13 39-0010 LF 3-1/2" Type K Copper Water Distribution Pipe.....	42.96	5.00
33 14 13 39-0011 LF 4" Type K Copper Water Distribution Pipe.....	54.86	6.33
33 14 13 39-0012 LF 5" Type K Copper Water Distribution Pipe.....	125.17	7.90
33 14 13 39-0013 LF 6" Type K Copper Water Distribution Pipe.....	175.71	9.53
33 14 13 39-0014 LF 8" Type K Copper Water Distribution Pipe.....	313.57	10.67

33 14 13 43 Public Water Utility Distribution Piping Coatings And Wraps (33 14 13 43)

33 14 13 43-0001 8 Mil Polyethylene Encasement Tubing (33 14 13 43)		
Note: ANSI/AWWA C105/A21.5-99 section 4.2.		
33 14 13 43-0002 LF 3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing.....	0.54	
33 14 13 43-0003 LF 10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing.....	0.91	
33 14 13 43-0004 LF 14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.14	
33 14 13 43-0005 LF 18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.45	
33 14 13 43-0006 LF 24" Diameter, 8 Mil Polyethylene Encasement Tubing.....	2.03	

33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters (33 14 13 53)

33 14 13 53-0001 Double Stud Stainless Steel Service Saddles (33 14 13 53)		
Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.		
33 14 13 53-0002 EA 4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	186.22	
33 14 13 53-0003 EA 4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	278.03	
33 14 13 53-0004 EA 4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	285.43	
33 14 13 53-0005 EA 6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	229.20	
33 14 13 53-0006 EA 6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	294.66	
33 14 13 53-0007 EA 8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	238.35	
33 14 13 53-0008 EA 8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	307.87	
33 14 13 53-0009 EA 10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	271.97	
33 14 13 53-0010 EA 10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	324.21	
33 14 13 53-0011 EA 12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	282.67	
33 14 13 53-0012 EA 12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	334.52	

33 14 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles (33 14 13 53)

Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.

33 14 13 53-0014 EA 1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	144.31	
33 14 13 53-0015 EA 2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	144.44	
33 14 13 53-0016 EA 2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	153.53	
33 14 13 53-0017 EA 2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	147.72	
33 14 13 53-0018 EA 3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	158.22	
33 14 13 53-0019 EA 3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	177.42	
33 14 13 53-0020 EA 3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	188.98	
33 14 13 53-0021 EA 4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	170.97	
33 14 13 53-0022 EA 4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	190.37	
33 14 13 53-0023 EA 4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	199.74	
33 14 13 53-0024 EA 5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	180.17	
33 14 13 53-0025 EA 5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	200.30	
33 14 13 53-0026 EA 5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	209.61	
33 14 13 53-0027 EA 6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	189.82	
33 14 13 53-0028 EA 6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	209.26	
33 14 13 53-0029 EA 6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	218.40	
33 14 13 53-0030 EA 6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	349.57	
33 14 13 53-0031 EA 6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	356.97	
33 14 13 53-0032 EA 8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	207.53	
33 14 13 53-0033 EA 8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	231.72	
33 14 13 53-0034 EA 8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	239.96	
33 14 13 53-0035 EA 8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	420.82	
33 14 13 53-0036 EA 10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	237.07	
33 14 13 53-0037 EA 10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	266.78	
33 14 13 53-0038 EA 10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	476.01	
33 14 13 53-0039 EA 12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	260.77	
33 14 13 53-0040 EA 12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	292.40	
33 14 13 53-0041 EA 12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	302.26	
33 14 13 53-0042 EA 12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	537.72	
33 14 13 53-0043 EA 14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	313.43	
33 14 13 53-0044 EA 14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	337.46	
33 14 13 53-0045 EA 14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	366.21	
33 14 13 53-0046 EA 14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	677.64	
33 14 13 53-0047 EA 15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	320.82	
33 14 13 53-0048 EA 15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	373.14	
33 14 13 53-0049 EA 15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	388.81	
33 14 13 53-0050 EA 15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	731.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0051 EA 16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	335.47	
33 14 13 53-0052 EA 16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	389.85	
33 14 13 53-0053 EA 16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	406.02	
33 14 13 53-0054 EA 16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	761.96	
33 14 13 53-0055 EA 18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	376.98	
33 14 13 53-0056 EA 18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	442.84	
33 14 13 53-0057 EA 20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	438.52	
33 14 13 53-0058 EA 20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	488.43	
33 14 13 53-0059 EA 24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	458.64	
33 14 13 53-0060 EA 24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	523.22	
33 14 13 53-0061 Double Bale Bronze Service Saddles <small>(33 14 13 53)</small>		
33 14 13 53-0062 EA 4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	212.38	
33 14 13 53-0063 EA 4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	234.19	
33 14 13 53-0064 EA 6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	242.57	
33 14 13 53-0065 EA 6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	264.61	
33 14 13 53-0066 EA 8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	274.26	
33 14 13 53-0067 EA 8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	288.30	
33 14 13 53-0068 EA 10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	260.37	
33 14 13 53-0069 EA 10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	278.07	
33 14 13 53-0070 EA 12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	345.93	
33 14 13 53-0071 EA 12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	376.77	
33 14 13 53-0072 EA 14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	554.34	
33 14 13 53-0073 EA 14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	454.88	
33 14 13 53-0074 EA 16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	650.54	
33 14 13 53-0075 EA 16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	523.14	
33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle <small>(33 14 13 53)</small>		
Note: Taps are compression or NPT.		
33 14 13 53-0077 EA 4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	226.07	
33 14 13 53-0078 EA 4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	251.47	
33 14 13 53-0079 EA 6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	258.75	
33 14 13 53-0080 EA 6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	283.10	
33 14 13 53-0081 EA 8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	294.26	
33 14 13 53-0082 EA 8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	309.38	
33 14 13 53-0083 EA 10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	336.61	
33 14 13 53-0084 EA 10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	361.84	
33 14 13 53-0085 EA 12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	364.27	
33 14 13 53-0086 EA 12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	397.46	
33 14 13 53-0087 EA 14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	599.76	
33 14 13 53-0088 EA 14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	487.70	
33 14 13 53-0089 EA 16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	704.43	
33 14 13 53-0090 EA 16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	562.26	
33 14 13 53-0091 Ductile Iron Mechanical Joint Tapping Sleeve <small>(33 14 13 53)</small>		
33 14 13 53-0092 EA 4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,090.76	
33 14 13 53-0093 EA 6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,312.89	
33 14 13 53-0094 EA 8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,578.47	
33 14 13 53-0095 EA 8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,678.31	
33 14 13 53-0096 EA 10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,660.72	
33 14 13 53-0097 EA 10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,803.11	
33 14 13 53-0098 EA 10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,860.34	
33 14 13 53-0099 EA 12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,771.67	
33 14 13 53-0100 EA 12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,913.45	
33 14 13 53-0101 EA 12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,268.63	
33 14 13 53-0102 EA 12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,353.76	
33 14 13 53-0103 EA 14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,826.45	
33 14 13 53-0104 EA 14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,987.56	
33 14 13 53-0105 EA 14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,056.28	
33 14 13 53-0106 EA 14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,081.99	
33 14 13 53-0107 EA 14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,306.53	
33 14 13 53-0108 EA 16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,285.79	
33 14 13 53-0109 EA 16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,300.58	
33 14 13 53-0110 EA 16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,481.40	
33 14 13 53-0111 EA 16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,518.89	
33 14 13 53-0112 EA 16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,560.83	
33 14 13 53-0113 EA 16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,298.64	
33 14 13 53-0114 EA 16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,876.67	
33 14 13 53-0115 EA 18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,851.23	
33 14 13 53-0116 EA 18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,267.97	
33 14 13 53-0117 EA 18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,367.11	
33 14 13 53-0118 EA 18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,687.67	
33 14 13 53-0119 EA 20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,180.95	
33 14 13 53-0120 EA 20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,852.51	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 53-0121	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	8,007.29	
33 14 13 53-0122	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	8,063.64	
33 14 13 53-0123	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	8,371.12	
33 14 13 53-0124	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	11,522.15	
33 14 13 53-0125	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	11,731.14	
33 14 13 53-0126	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	9,930.14	
33 14 13 53-0127	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	10,062.75	
33 14 13 53-0128	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	10,097.90	
33 14 13 53-0129	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	14,234.82	
33 14 13 53-0130	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	14,413.46	
33 14 13 53-0131	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	14,443.04	
33 14 13 53-0132	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	14,845.23	
33 14 13 53-0133	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	15,029.21	

33 14 13 53-0134 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (33 14 13 53)

33 14 13 53-0135	EA	4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	902.12	
33 14 13 53-0136	EA	6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	940.64	
33 14 13 53-0137	EA	6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,037.99	
33 14 13 53-0138	EA	8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,053.75	
33 14 13 53-0139	EA	8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,098.79	
33 14 13 53-0140	EA	8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,286.64	
33 14 13 53-0141	EA	10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,142.01	
33 14 13 53-0142	EA	10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,185.68	
33 14 13 53-0143	EA	10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,349.97	
33 14 13 53-0144	EA	10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,951.77	
33 14 13 53-0145	EA	12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,272.48	
33 14 13 53-0146	EA	12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,339.77	
33 14 13 53-0147	EA	12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,501.34	
33 14 13 53-0148	EA	12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,039.73	
33 14 13 53-0149	EA	12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,244.06	
33 14 13 53-0150	EA	14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,718.36	
33 14 13 53-0151	EA	14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,772.83	
33 14 13 53-0152	EA	14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,127.49	
33 14 13 53-0153	EA	14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,568.86	
33 14 13 53-0154	EA	14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,853.44	
33 14 13 53-0155	EA	16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,059.08	
33 14 13 53-0156	EA	16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,115.54	
33 14 13 53-0157	EA	16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,347.97	
33 14 13 53-0158	EA	16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,982.24	
33 14 13 53-0159	EA	16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,126.83	
33 14 13 53-0160	EA	18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,150.52	
33 14 13 53-0161	EA	18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,258.47	
33 14 13 53-0162	EA	18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,411.16	
33 14 13 53-0163	EA	18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,158.76	
33 14 13 53-0164	EA	18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,303.18	
33 14 13 53-0165	EA	20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,626.26	
33 14 13 53-0166	EA	20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,682.58	
33 14 13 53-0167	EA	20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,033.89	
33 14 13 53-0168	EA	20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,632.74	
33 14 13 53-0169	EA	20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,882.84	
33 14 13 53-0170	EA	24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,816.87	
33 14 13 53-0171	EA	24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,948.61	
33 14 13 53-0172	EA	24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,128.97	
33 14 13 53-0173	EA	24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,981.86	
33 14 13 53-0174	EA	24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,132.73	

33 14 13 53-0175 Stainless Steel Flange, Stainless Steel Tapping Sleeve (33 14 13 53)

33 14 13 53-0176	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,066.71	
33 14 13 53-0177	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,148.52	
33 14 13 53-0178	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,219.13	
33 14 13 53-0179	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,227.63	
33 14 13 53-0180	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,310.03	
33 14 13 53-0181	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,570.03	
33 14 13 53-0182	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,411.21	
33 14 13 53-0183	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,503.34	
33 14 13 53-0184	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,735.65	
33 14 13 53-0185	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,413.88	
33 14 13 53-0186	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,602.96	
33 14 13 53-0187	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,731.07	
33 14 13 53-0188	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,040.21	
33 14 13 53-0189	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,445.08	
33 14 13 53-0190	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,752.97	

33 14 13 53-0191 Ductile Iron Body, Flanged Coupling Adapter (33 14 13 53)

33 14 13 53-0192	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	266.02	37.89
33 14 13 53-0193	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	333.03	47.76
33 14 13 53-0194	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	435.10	65.88
33 14 13 53-0195	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	571.17	77.41



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0196 EA 10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	928.29	87.30
33 14 13 53-0197 EA 12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	1,035.85	98.83
33 14 13 53-0198 Steel Body, Flanged Coupling Adapter (33 14 13 53)		
33 14 13 53-0199 EA 3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	404.08	37.89
33 14 13 53-0200 EA 4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	475.09	47.76
33 14 13 53-0201 EA 6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	632.42	65.88
33 14 13 53-0202 EA 8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	776.54	77.41
33 14 13 53-0203 EA 10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	954.64	87.30
33 14 13 53-0204 EA 12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,115.07	98.83
33 14 13 53-0205 Ductile Iron Body, Omni Coupling System (33 14 13 53)		
33 14 13 53-0206 EA 2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	111.89	26.35
33 14 13 53-0207 EA 2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	139.10	31.30
33 14 13 53-0208 EA 3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	172.99	37.89
33 14 13 53-0209 EA 4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	217.07	47.76
33 14 13 53-0210 EA 6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	287.65	65.88
33 14 13 53-0211 EA 8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	351.88	77.41
33 14 13 53-0212 EA 10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	448.16	87.30
33 14 13 53-0213 EA 12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	527.07	98.83
33 14 15 Water Service Connections (33 14)		
33 14 15 23 Water Service Hydrants (33 14 15)		
33 14 15 23-0001 Yard Hydrants (33 14 15 23)		
Note: With 3/4" hose thread outlet.		
33 14 15 23-0002 EA 2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	161.27	21.10
33 14 15 23-0003 EA 4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	171.25	21.10
33 14 15 23-0004 EA 6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	181.24	21.10
33 14 15 23-0005 EA 2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	206.97	26.73
33 14 15 23-0006 EA 4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	217.12	26.73
33 14 15 23-0007 EA 6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	227.26	26.73
33 14 15 23-0008 Sanitary Yard Hydrants (33 14 15 23)		
Note: With 3/4" hose thread outlet.		
33 14 15 23-0009 EA 2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	644.33	43.96
33 14 15 23-0010 EA 4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	675.52	43.96
33 14 15 23-0011 EA 6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	706.72	43.96
33 14 15 23-0012 Flushing Hydrants (33 14 15 23)		
33 14 15 23-0013 EA 2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth.....	447.38	27.26
33 14 19 Valves and Hydrants for Water Utility Service (33 14)		
Note: Flanged valves excludes bolt and gasket set. See CSI section 23 21 13 23-0540 for bolt and gasket sets.		
33 14 19 00-0001 Accessories For Valves (33 14 19)		
33 14 19 00-0002 EA 1' Valve Extension Stem.....	64.07	
For Each Additional LF, Add 4.55		
33 14 19 00-0003 EA Up to 80" Long Indicator Post Telescoping Barrel Assembly.....	845.84	64.76
Note: Excludes valve.		
33 14 19 00-0004 EA >80" To 114" Long Indicator Post Telescoping Barrel Assembly.....	958.81	71.24
Note: Excludes valve.		
33 14 19 00-0005 EA Adjust Water Valve Box To Grade.....	64.76	
33 14 19 00-0006 Roadway Or Curb Valve Boxes (33 14 19)		
33 14 19 00-0007 Round Head, Cast Iron Service, Roadway Or Valve Boxes (33 14 19 00-0006)		
33 14 19 00-0008 EA 36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	126.16	8.55
Note: Includes cover, top section and bottom section.		
33 14 19 00-0009 EA 36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	146.17	8.55
Note: Includes cover, top section and bottom section.		
33 14 19 00-0010 EA 42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	147.09	8.55
Note: Includes cover, top section and bottom section.		
33 14 19 00-0011 EA 9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	38.42	4.28
33 14 19 00-0012 EA 16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	43.71	4.28
33 14 19 00-0013 EA 24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	51.68	4.28
33 14 19 00-0014 EA 36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box.....	189.60	10.69
Note: Includes cover, top section and bottom section.		
33 14 19 00-0015 EA 45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	327.35	14.96
Note: Includes cover, top section, bottom section and #6 round base.		
33 14 19 00-0016 EA 45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	364.67	14.96
Note: Includes cover, top section, bottom section and #6 round base.		
33 14 19 00-0017 EA 24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	197.00	10.69
Note: Includes cover, top section and bottom section.		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0018 EA 36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	205.91	10.69
Note: Includes cover, top section and bottom section.		
33 14 19 00-0019 EA 24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	199.10	10.69
Note: Includes cover, top section and bottom section.		
33 14 19 00-0020 EA 12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	72.28	4.28
33 14 19 00-0021 EA 18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	122.92	17.59
33 14 19 00-0022 EA 22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	126.97	18.29
33 14 19 00-0023 EA 30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	141.29	19.00
33 14 19 00-0024 EA 36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box.....	192.59	20.05
33 14 19 00-0025 EA 48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	231.76	21.10
33 14 19 00-0026 EA 18" Cast Iron Service Box Extension Section.....	54.01	
33 14 19 00-0027 Plastic Roadway Grade Water Meter Box And Cover (33 14 19 00-0006)		
33 14 19 00-0028 EA 12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover.....	162.17	24.62
33 14 19 00-0029 EA 9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover.....	121.66	17.59
33 14 19 00-0030 EA Cast Iron Lid For Plastic Meter Box.....	35.72	
33 14 19 00-0031 Roadway Utility Box (33 14 19)		
33 14 19 00-0032 Utility Box (33 14 19 00-0031)		
Note: Christy Concrete Products.		
33 14 19 00-0033 B3 Utility Box, 9-3/8" x 15-1/2" (33 14 19 00-0032)		
33 14 19 00-0034 EA 9-3/8" x 15-1/2" Precast Concrete Utility Box.....	55.66	32.27
33 14 19 00-0035 EA Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box.....	45.93	3.58
33 14 19 00-0036 EA Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box.....	20.81	3.58
33 14 19 00-0037 EA Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box.....	97.02	3.58
33 14 19 00-0038 EA 12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box.....	31.18	7.17
33 14 19 00-0039 EA 3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box.....	42.28	7.17
33 14 19 00-0040 B9 Utility Box, 10-1/4" x 17-1/4" (33 14 19 00-0032)		
33 14 19 00-0041 EA 10-1/4" x 17-1/4" Precast Concrete Utility Box.....	69.08	43.03
33 14 19 00-0042 EA Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box.....	53.89	4.30
33 14 19 00-0043 EA Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box.....	23.35	4.30
33 14 19 00-0044 EA Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box.....	101.64	3.58
33 14 19 00-0045 EA 13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box.....	34.23	7.17
33 14 19 00-0046 EA 5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box.....	46.77	10.76
33 14 19 00-0047 EA 12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box.....	61.05	19.72
33 14 19 00-0048 B12 Utility Box, 12" x 20" (33 14 19 00-0032)		
33 14 19 00-0049 EA 12" x 20" Precast Concrete Utility Box.....	75.66	46.61
33 14 19 00-0050 EA Cast Iron Lid For 12" x 20" Utility Box.....	95.13	5.38
33 14 19 00-0051 EA Reinforced Concrete Lid For 12" x 20" Utility Box.....	32.45	7.17
33 14 19 00-0052 EA Steel Checkered Plate Cover For 12" x 20" Utility Box.....	138.60	7.17
33 14 19 00-0053 EA 12" High Reinforced Concrete Extension For 12" x 20" Utility Box.....	79.10	25.11
33 14 19 00-0054 B16 Utility Box, 12" x 22-1/4" (33 14 19 00-0032)		
33 14 19 00-0055 EA 12" x 22-1/4" Precast Concrete Utility Box.....	87.44	54.50
33 14 19 00-0056 EA Cast Iron Lid For 12" x 22-1/4" Utility Box.....	108.37	7.17
33 14 19 00-0057 EA Reinforced Concrete Lid For 12" x 22-1/4" Utility Box.....	38.74	7.17
33 14 19 00-0058 EA Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box.....	139.35	7.17
33 14 19 00-0059 EA 16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box.....	56.12	12.19
33 14 19 00-0060 EA 12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box.....	80.15	25.11
33 14 19 00-0061 B30 Utility Box, 13-1/4" x 24" (33 14 19 00-0032)		
33 14 19 00-0062 EA 13-1/4" x 24" Precast Concrete Utility Box.....	104.88	64.54
33 14 19 00-0063 EA Reinforced Concrete Lid For 13-1/4" x 24" Utility Box.....	53.65	11.47
33 14 19 00-0064 EA Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box.....	172.63	9.32
33 14 19 00-0065 EA 16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box.....	56.12	12.19
33 14 19 00-0066 EA 5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box.....	87.09	20.08
33 14 19 00-0067 EA 6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box.....	66.37	13.62
33 14 19 00-0068 EA 12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box.....	103.65	32.27
33 14 19 00-0069 B36 Utility Box, 17-1/4" x 30" (33 14 19 00-0032)		
33 14 19 00-0070 EA 17-1/4" x 30" Precast Concrete Utility Box.....	136.03	81.76
33 14 19 00-0071 EA Reinforced Concrete Lid For 17-1/4" x 30" Utility Box.....	88.24	19.72
33 14 19 00-0072 EA Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box.....	217.98	13.62
33 14 19 00-0073 EA 20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box.....	85.97	25.82
33 14 19 00-0074 EA 6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box.....	133.43	28.69
33 14 19 00-0075 EA 12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box.....	137.19	41.60
33 14 19 00-0076 B40 Utility Box, 24-1/2" x 36" (33 14 19 00-0032)		



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		Water Utilities	33 10
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0077 EA 24-1/2" x 36" Precast Concrete Utility Box.....	264.19	126.22
33 14 19 00-0078 EA Reinforced Concrete Lid For 24-1/2" x 36" Utility Box	236.13	47.33
33 14 19 00-0079 EA Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box	310.77	20.79
33 14 19 00-0080 EA 30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box.....	197.70	44.46
33 14 19 00-0081 EA 10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box.....	209.30	46.61
33 14 19 00-0082 B48 Utility Box, 30-1/4" x 48-1/4" (33 14 19 00-0032)		
33 14 19 00-0083 EA 30-1/4" x 48-1/4" Precast Concrete Utility Box.....	346.07	143.43
33 14 19 00-0084 EA 1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	335.88	78.17
33 14 19 00-0085 EA 2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	407.11	78.17
33 14 19 00-0086 EA 2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box.....	494.34	35.86
33 14 19 00-0087 EA 36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box.....	313.18	96.82
33 14 19 00-0088 EA 10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box.....	264.84	65.26
33 14 19 00-0089 Water Utility Distribution Valves (33 14 19)		
33 14 19 00-0090 Angle Valves (33 14 19 00-0089)		
Note: For connecting meters to water service.		
33 14 19 00-0091 Threaded, Class 150, Bronze Angle Valve (33 14 19 00-0090)		
Note: Nibco T-335Y		
33 14 19 00-0092 EA 1/2" Threaded, Class 150, Bronze Angle Valve	45.80	11.26
33 14 19 00-0093 EA 3/4" Threaded, Class 150, Bronze Angle Valve	61.76	15.13
33 14 19 00-0094 EA 1" Threaded, Class 150, Bronze Angle Valve.....	81.41	18.65
33 14 19 00-0095 EA 1-1/4" Threaded, Class 150, Bronze Angle Valve.....	104.48	23.42
33 14 19 00-0096 EA 1-1/2" Threaded, Class 150, Bronze Angle Valve.....	128.56	27.08
33 14 19 00-0097 EA 2" Threaded, Class 150, Bronze Angle Valve.....	184.61	31.66
33 14 19 00-0098 EA 2-1/2" Threaded, Class 150, Bronze Angle Valve.....	288.79	43.20
33 14 19 00-0099 EA 3" Threaded, Class 150, Bronze Angle Valve.....	424.94	49.87
33 14 19 00-0100 Butterfly Valves (33 14 19 00-0089)		
33 14 19 00-0101 Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valves (33 14 19 00-0100)		
33 14 19 00-0102 EA 3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 3,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8).....	1,078.68	119.59
33 14 19 00-0103 EA 3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 3,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8).....	1,235.68	119.59
33 14 19 00-0104 EA 4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 4,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8).....	1,176.30	185.03
33 14 19 00-0105 EA 4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 4,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8).....	1,333.30	185.03
33 14 19 00-0106 EA 6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 6,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8).....	1,389.00	220.81
33 14 19 00-0107 EA 6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 6,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8).....	1,546.00	220.81
33 14 19 00-0108 EA 8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 8,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8).....	1,599.49	282.15
33 14 19 00-0109 EA 8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 8,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8).....	1,757.49	282.15
33 14 19 00-0110 EA 10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 10,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD16).....	2,104.35	343.48
33 14 19 00-0111 EA 10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 10,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW20).....	2,504.35	343.48
33 14 19 00-0112 EA 12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 12,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD24).....	2,474.43	416.34
33 14 19 00-0113 EA 12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 12,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW20).....	2,801.43	416.34
33 14 19 00-0114 EA 14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 14,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD12).....	3,232.47	548.38
33 14 19 00-0115 EA 14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 14,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20).....	3,768.47	548.38
33 14 19 00-0116 EA 16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 16,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD16).....	3,857.02	603.22

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0117 EA 16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,Ci,NBRN-NBR,150B,Ci-S1*MS-7-CW20).....	4,199.02	603.22
33 14 19 00-0118 EA 18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,Ci,NBRN-NBR,150B,Ci-S1*MS-7-HD16).....	4,817.28	669.02
33 14 19 00-0119 EA 18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,Ci,NBRN-NBR,150B,Ci-S1*MS-7-CW20).....	5,159.28	669.02
33 14 19 00-0120 EA 20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,Ci,NBRN-NBR,150B,Ci-S1*MS-7-HD30).....	5,692.53	754.02
33 14 19 00-0121 EA 20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,Ci,NBRN-NBR,150B,Ci-S1*MS-7-CW20).....	5,908.53	754.02
33 14 19 00-0122 EA 24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MS-7-HD30).....	8,424.74	925.39
33 14 19 00-0123 EA 24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MS-7-CW20).....	8,640.74	925.39
33 14 19 00-0124 Check Valves (33 14 19 00-0089)		
33 14 19 00-0125 Flanged, Swing Type Gravity Operated Check Valves (33 14 19 00-0124)		
Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 14 19 00-0126 EA 2-1/2" Flanged, Swing Type Gravity Operated Check Valve.....	541.30	93.90
33 14 19 00-0127 EA 3" Flanged, Swing Type Gravity Operated Check Valve.....	561.35	110.10
33 14 19 00-0128 EA 4" Flanged, Swing Type Gravity Operated Check Valve.....	799.11	139.24
33 14 19 00-0129 EA 4" x 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,079.93	209.52
33 14 19 00-0130 EA 4" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,127.17	233.98
33 14 19 00-0131 EA 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,078.30	233.16
33 14 19 00-0132 EA 6" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,395.50	265.03
33 14 19 00-0133 EA 6" x 10" Flanged, Swing Type Gravity Operated Check Valve.....	1,462.92	297.92
33 14 19 00-0134 EA 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,520.28	297.92
33 14 19 00-0135 EA 10" Flanged, Swing Type Gravity Operated Check Valve.....	2,517.14	362.68
33 14 19 00-0136 EA 12" Flanged, Swing Type Gravity Operated Check Valve.....	3,774.57	272.01
33 14 19 00-0137 EA 14" Flanged, Swing Type Gravity Operated Check Valve.....	5,254.76	548.38
33 14 19 00-0138 EA 16" Flanged, Swing Type Gravity Operated Check Valve.....	6,946.88	603.22
33 14 19 00-0139 EA 18" Flanged, Swing Type Gravity Operated Check Valve.....	10,008.59	669.02
33 14 19 00-0140 EA 20" Flanged, Swing Type Gravity Operated Check Valve.....	11,644.24	754.02
33 14 19 00-0141 Combination Air Release Valves (33 14 19 00-0089)		
33 14 19 00-0142 EA 1" Combination Air Release Valve.....	416.88	13.60
33 14 19 00-0143 EA 2" Combination Air Release Valve.....	672.30	23.31
33 14 19 00-0144 Corporation Stop And Curb Valve (33 14 19 00-0089)		
Note: AWWA C800		
33 14 19 00-0145 Ball Corporation Valves (33 14 19 00-0144)		
Note: Mueller B-25000.		
33 14 19 00-0146 EA 3/4" Ball Corporation Valve.....	61.80	13.60
33 14 19 00-0147 EA 1" Ball Corporation Valve.....	77.91	16.84
33 14 19 00-0148 EA 1-1/2" Ball Corporation Valve.....	144.17	24.62
33 14 19 00-0149 EA 2" Ball Corporation Valve.....	223.64	29.14
33 14 19 00-0150 Gate Valve, AWWA C500 And C509 (33 14 19 00-0089)		
33 14 19 00-0151 Gate Valve, Flanged (33 14 19 00-0150)		
Note: Mueller A-2380-6.		
33 14 19 00-0152 EA 2" Gate Valve, Flanged.....	346.90	86.33
33 14 19 00-0153 EA 2-1/2" Gate Valve, Flanged.....	403.09	93.90
33 14 19 00-0154 EA 3" Gate Valve, Flanged.....	476.42	110.10
33 14 19 00-0155 EA 4" Gate Valve, Flanged.....	654.28	137.95
33 14 19 00-0156 EA 6" Gate Valve, Flanged.....	798.32	233.16
33 14 19 00-0157 EA 8" Gate Valve, Flanged.....	1,160.54	297.92
33 14 19 00-0158 EA 10" Gate Valve, Flanged.....	1,709.47	362.68
33 14 19 00-0159 EA 12" Gate Valve, Flanged.....	2,060.61	272.01
33 14 19 00-0160 EA 14" Gate Valve, Flanged.....	4,307.47	548.38
33 14 19 00-0161 EA 16" Gate Valve, Flanged.....	5,594.09	603.22
33 14 19 00-0162 EA 18" Gate Valve, Flanged.....	8,758.63	669.02
33 14 19 00-0163 EA 20" Gate Valve, Flanged.....	10,457.43	754.02
33 14 19 00-0164 Resilient Wedge Gate Valve, Flanged (33 14 19 00-0150)		
Note: Mueller A-2360-6.		
33 14 19 00-0165 EA 2" Resilient Wedge Gate Valve, Flanged.....	333.39	86.33
33 14 19 00-0166 EA 2-1/2" Resilient Wedge Gate Valve, Flanged.....	386.93	93.90
33 14 19 00-0167 EA 3" Resilient Wedge Gate Valve, Flanged.....	457.25	110.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0168 EA 4" Resilient Wedge Gate Valve, Flanged.....	632.86	137.95
33 14 19 00-0169 EA 6" Resilient Wedge Gate Valve, Flanged.....	769.68	233.16
33 14 19 00-0170 EA 8" Resilient Wedge Gate Valve, Flanged.....	1,115.80	297.92
33 14 19 00-0171 EA 10" Resilient Wedge Gate Valve, Flanged.....	1,638.38	362.68
33 14 19 00-0172 EA 12" Resilient Wedge Gate Valve, Flanged.....	1,974.77	272.01
33 14 19 00-0173 Gate Valve, Mechanical Joint (33 14 19 00-0150)		
Note: Mueller A-2380-20.		
33 14 19 00-0174 EA 2" Gate Valve, Mechanical Joint.....	410.58	68.98
33 14 19 00-0175 EA 2-1/2" Gate Valve, Mechanical Joint.....	452.76	86.46
33 14 19 00-0176 EA 3" Gate Valve, Mechanical Joint.....	566.15	104.59
33 14 19 00-0177 EA 4" Gate Valve, Mechanical Joint.....	684.19	137.95
33 14 19 00-0178 EA 6" Gate Valve, Mechanical Joint.....	852.35	161.91
33 14 19 00-0179 EA 8" Gate Valve, Mechanical Joint.....	1,210.83	194.29
33 14 19 00-0180 EA 10" Gate Valve, Mechanical Joint.....	1,731.17	226.67
33 14 19 00-0181 EA 12" Gate Valve, Mechanical Joint.....	2,159.13	272.01
33 14 19 00-0182 EA 14" Gate Valve, Mechanical Joint.....	4,562.47	335.88
33 14 19 00-0183 EA 16" Gate Valve, Mechanical Joint.....	5,869.35	377.02
33 14 19 00-0184 EA 18" Gate Valve, Mechanical Joint.....	9,251.59	418.14
33 14 19 00-0185 EA 20" Gate Valve, Mechanical Joint.....	10,989.42	471.26
33 14 19 00-0186 Resilient Wedge Gate Valve, Mechanical Joint (33 14 19 00-0150)		
Note: Mueller A-2360-20.		
33 14 19 00-0187 EA 2" Resilient Wedge Gate Valve, Mechanical Joint.....	395.15	68.98
33 14 19 00-0188 EA 3" Resilient Wedge Gate Valve, Mechanical Joint.....	545.94	104.59
33 14 19 00-0189 EA 4" Resilient Wedge Gate Valve, Mechanical Joint.....	661.08	137.95
33 14 19 00-0190 EA 6" Resilient Wedge Gate Valve, Mechanical Joint.....	822.44	161.91
33 14 19 00-0191 EA 8" Resilient Wedge Gate Valve, Mechanical Joint.....	1,164.29	194.29
33 14 19 00-0192 EA 10" Resilient Wedge Gate Valve, Mechanical Joint.....	1,658.84	226.67
33 14 19 00-0193 EA 12" Resilient Wedge Gate Valve, Mechanical Joint.....	2,067.69	272.01
33 14 19 00-0194 Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint (33 14 19 00-0150)		
Note: Mueller A-2361.		
33 14 19 00-0195 EA 14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	4,170.59	548.38
33 14 19 00-0196 EA 16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	4,535.15	603.22
33 14 19 00-0197 EA 18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	7,024.31	669.02
33 14 19 00-0198 EA 20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	8,376.20	754.02
33 14 19 00-0199 EA 24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	11,871.94	925.39
33 14 19 00-0200 Gate Valve, Threaded, WW-V-51 Class A, Type 1 (33 14 19 00-0150)		
Note: NIBCO T-113.		
33 14 19 00-0201 EA 1/4" Gate Valve, Bronze, Threaded.....	29.81	11.33
33 14 19 00-0202 EA 3/8" Gate Valve, Bronze, Threaded.....	30.88	11.33
33 14 19 00-0203 EA 1/2" Gate Valve, Bronze, Threaded.....	31.14	11.33
33 14 19 00-0204 EA 3/4" Gate Valve, Bronze, Threaded.....	40.64	15.30
33 14 19 00-0205 EA 1" Gate Valve, Bronze, Threaded.....	49.83	18.50
33 14 19 00-0206 EA 1-1/4" Gate Valve, Bronze, Threaded.....	66.34	23.42
33 14 19 00-0207 EA 1-1/2" Gate Valve, Bronze, Threaded.....	76.85	27.08
33 14 19 00-0208 EA 2" Gate Valve, Bronze, Threaded.....	92.56	31.66
33 14 19 00-0209 EA 2-1/2" Gate Valve, Bronze, Threaded.....	163.37	43.20
33 14 19 00-0210 EA 3" Gate Valve, Bronze, Threaded.....	194.26	49.54
33 14 19 00-0211 Globe Valve, AWWA (33 14 19 00-0089)		
33 14 19 00-0212 Globe Valve, Threaded, WW-V-51 Class B, Type 1 (33 14 19 00-0211)		
Note: NIBCO T-235.		
33 14 19 00-0213 EA 1/8" Globe Valve, Threaded.....	39.60	11.33
33 14 19 00-0214 EA 1/4" Globe Valve, Threaded.....	37.43	11.33
33 14 19 00-0215 EA 3/8" Globe Valve, Threaded.....	38.50	11.33
33 14 19 00-0216 EA 1/2" Globe Valve, Threaded.....	39.60	11.33
33 14 19 00-0217 EA 3/4" Globe Valve, Threaded.....	53.70	15.30
33 14 19 00-0218 EA 1" Globe Valve, Threaded.....	72.94	18.50
33 14 19 00-0219 EA 1-1/4" Globe Valve, Threaded.....	103.70	23.42
33 14 19 00-0220 EA 1-1/2" Globe Valve, Threaded.....	123.05	27.08
33 14 19 00-0221 EA 2" Globe Valve, Threaded.....	166.73	31.66
33 14 19 00-0222 EA 2-1/2" Globe Valve, Threaded.....	293.90	43.20
33 14 19 00-0223 EA 3" Globe Valve, Threaded.....	394.84	49.81
33 14 19 00-0224 Tapping Valve, AWWA C500 And C509 (33 14 19 00-0089)		
33 14 19 00-0225 Tapping Valve, AWWA C500 And C509 (33 14 19 00-0224)		
Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0226 EA 2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	475.74	86.33
33 14 19 00-0227 EA 3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	612.55	110.10
33 14 19 00-0228 EA 4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	785.78	137.95
33 14 19 00-0229 EA 6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	999.26	233.16

33	Utilities
33 10	Water Utilities
33 14	Water Utility Transmission and Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0230 EA 8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	1,418.25	297.92
33 14 19 00-0231 EA 10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	2,022.65	362.68
33 14 19 00-0232 EA 12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	2,942.46	272.01
33 14 19 00-0233 EA 14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	5,214.55	548.38
33 14 19 00-0234 EA 16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	6,554.60	603.22
33 14 19 00-0235 EA 18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	10,461.78	669.02
33 14 19 00-0236	Fire Hydrants <small>(33 14 19)</small>	
Note: Breakaway type.		
33 14 19 00-0237	Three Way, Standard (Traditional) Model Fire Hydrant <small>(33 14 19 00-0236)</small>	
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0238 EA 1-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,705.88	171.74
33 14 19 00-0239 EA 2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,736.98	171.74
33 14 19 00-0240 EA 2-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,768.16	171.74
33 14 19 00-0241 EA 3" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,811.46	184.01
33 14 19 00-0242 EA 3-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,842.59	184.01
33 14 19 00-0243 EA 4" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,889.08	199.34
33 14 19 00-0244 EA 4-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,920.16	199.34
33 14 19 00-0245 EA 5" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,966.67	214.68
33 14 19 00-0246 EA 5-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,997.80	214.68
33 14 19 00-0247 EA 6" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,044.21	230.01
33 14 19 00-0248 EA 6-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,090.67	245.35
33 14 19 00-0249 EA 7" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,152.40	276.01
33 14 19 00-0250 EA 1-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,734.26	171.74
33 14 19 00-0251 EA 2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,774.62	171.74
33 14 19 00-0252 EA 2-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,814.88	171.74
33 14 19 00-0253 EA 3" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,867.41	184.01
33 14 19 00-0254 EA 3-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,907.67	184.01
33 14 19 00-0255 EA 4" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,963.41	199.34
33 14 19 00-0256 EA 4-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,003.62	199.34
33 14 19 00-0257 EA 5" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,059.26	214.68
33 14 19 00-0258 EA 5-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,099.51	214.68
33 14 19 00-0259 EA 6" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,155.03	230.01
33 14 19 00-0260 EA 6-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,210.73	245.35
33 14 19 00-0261 EA 7" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,281.58	276.01
33 14 19 00-0262	Two Way, Standard (Traditional) Model Fire Hydrant <small>(33 14 19 00-0236)</small>	
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0263 EA 1-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,535.17	171.74
33 14 19 00-0264 EA 2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,566.16	171.74
33 14 19 00-0265 EA 2-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,597.33	171.74
33 14 19 00-0266 EA 3" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,640.76	184.01
33 14 19 00-0267 EA 3-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,671.79	184.01
33 14 19 00-0268 EA 4" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,718.21	199.34
33 14 19 00-0269 EA 4-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,749.34	199.34
33 14 19 00-0270 EA 5" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,795.88	214.68
33 14 19 00-0271 EA 5-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,826.94	214.68
33 14 19 00-0272 EA 6" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,873.52	230.01
33 14 19 00-0273 EA 6-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,919.78	245.35
33 14 19 00-0274 EA 7" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,981.58	276.01
33 14 19 00-0275 EA 1-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,579.01	171.74
33 14 19 00-0276 EA 2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,619.28	171.74
33 14 19 00-0277 EA 2-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,659.49	171.74
33 14 19 00-0278 EA 3" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,712.12	184.01
33 14 19 00-0279 EA 3-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,752.28	184.01
33 14 19 00-0280 EA 4" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,807.95	199.34
33 14 19 00-0281 EA 4-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,848.13	199.34
33 14 19 00-0282 EA 5" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,903.90	214.68
33 14 19 00-0283 EA 5-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,944.06	214.68
33 14 19 00-0284 EA 6" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,999.72	230.01
33 14 19 00-0285 EA 6-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,055.22	245.35
33 14 19 00-0286 EA 7" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,126.29	276.01
33 14 19 00-0287	Three Way, Modern Model Fire Hydrant <small>(33 14 19 00-0236)</small>	
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0288 EA 1-1/2" Burial Section, Three Way, Modern Type Fire Hydrant.....	1,778.46	171.74
33 14 19 00-0289 EA 2" Burial Section, Three Way, Modern Type Fire Hydrant.....	1,818.67	171.74
33 14 19 00-0290 EA 2-1/2" Burial Section, Three Way, Modern Type Fire Hydrant.....	1,859.00	171.74
33 14 19 00-0291 EA 3" Burial Section, Three Way, Modern Type Fire Hydrant.....	1,911.55	184.01
33 14 19 00-0292 EA 3-1/2" Burial Section, Three Way, Modern Type Fire Hydrant.....	1,951.79	184.01
33 14 19 00-0293 EA 4" Burial Section, Three Way, Modern Type Fire Hydrant.....	2,007.38	199.34
33 14 19 00-0294 EA 4-1/2" Burial Section, Three Way, Modern Type Fire Hydrant.....	2,047.67	199.34
33 14 19 00-0295 EA 5" Burial Section, Three Way, Modern Type Fire Hydrant.....	2,103.28	214.68
33 14 19 00-0296 EA 5-1/2" Burial Section, Three Way, Modern Type Fire Hydrant.....	2,143.53	214.68
33 14 19 00-0297 EA 6" Burial Section, Three Way, Modern Type Fire Hydrant.....	2,199.12	214.68
33 14 19 00-0298 EA 6-1/2" Burial Section, Three Way, Modern Type Fire Hydrant.....	2,254.84	245.35
33 14 19 00-0299 EA 7" Burial Section, Three Way, Modern Type Fire Hydrant.....	2,325.27	245.35



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 19 00-0300

Two Way, Modern Model Fire Hydrant (33 14 19 00-0236)

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 14 19 00-0301	EA	1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	1,274.27	171.74
33 14 19 00-0302	EA	2' Burial Section, Two Way, Modern Type Fire Hydrant	1,304.87	171.74
33 14 19 00-0303	EA	2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	1,335.81	171.74
33 14 19 00-0304	EA	3' Burial Section, Two Way, Modern Type Fire Hydrant	1,378.32	184.01
33 14 19 00-0305	EA	3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	1,408.91	184.01
33 14 19 00-0306	EA	4' Burial Section, Two Way, Modern Type Fire Hydrant	1,454.83	199.34
33 14 19 00-0307	EA	4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	1,485.41	199.34
33 14 19 00-0308	EA	5' Burial Section, Two Way, Modern Type Fire Hydrant	1,531.38	214.68
33 14 19 00-0309	EA	5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	1,561.88	214.68
33 14 19 00-0310	EA	6' Burial Section, Two Way, Modern Type Fire Hydrant	1,607.81	230.01
33 14 19 00-0311	EA	6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	1,653.78	245.35
33 14 19 00-0312	EA	7' Burial Section, Two Way, Modern Type Fire Hydrant	1,714.65	276.01

33 14 19 00-0313

Fire Hydrant Extension Kits (33 14 19 00-0236)

33 14 19 00-0314	EA	6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	270.44	15.34
33 14 19 00-0315	EA	12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	322.04	19.17
33 14 19 00-0316	EA	18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	352.81	23.00
33 14 19 00-0317	EA	24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	402.69	28.37
33 14 19 00-0318	EA	30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	598.16	29.52
33 14 19 00-0319	EA	36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	638.23	30.67
33 14 19 00-0320	EA	42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	648.73	32.21
33 14 19 00-0321	EA	48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	685.57	34.50
33 14 19 00-0322	EA	54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	758.32	41.40
33 14 19 00-0323	EA	60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	804.81	49.83
33 14 19 00-0324	EA	6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	300.71	17.17
33 14 19 00-0325	EA	12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	356.97	20.86
33 14 19 00-0326	EA	18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	410.38	25.15
33 14 19 00-0327	EA	24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	461.01	31.28
33 14 19 00-0328	EA	30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	623.55	32.51
33 14 19 00-0329	EA	36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	664.18	33.73
33 14 19 00-0330	EA	42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	692.77	35.58
33 14 19 00-0331	EA	48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	807.78	38.03
33 14 19 00-0332	EA	54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	888.16	45.39
33 14 19 00-0333	EA	60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	938.47	54.59

33 14 19 00-0334

Remove And Reinstall Standard Fire Hydrant (33 14 19 00-0236)

Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.

33 14 19 00-0335	EA	Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant	490.68	
33 14 19 00-0336	EA	>5' Burial Section, Removal And Reinstallation Of Fire Hydrant	715.59	
33 14 19 00-0337	EA	Reset Fire Hydrant Upper Barrel	631.10	

Note: Includes Safety Repair Kit

33 14 23 Enclosures for Water Utility Piping and Valves (33 14)

See CSI section 22 11 19 00-0469 for Enclosures.

33 16 Water Utility Storage Tanks (33 10)

33 16 23 Ground-Level Steel Water Storage Tanks (33 16)

See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.

33 19 Water Utility Metering Equipment (33 10)

33 19 11 Water Utility Metering (33 19)

33 19 11 00-0001 Bronze Disk Type Water Service Meters (33 19 11)

33 19 11 00-0002	EA	5/8" Diameter, 0 - 20 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	129.86	36.59
33 19 11 00-0003	EA	3/4" Diameter, 0 - 30 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	162.26	43.62
33 19 11 00-0004	EA	1" Diameter, 0 - 50 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	214.65	49.95
33 19 11 00-0005	EA	1-1/2" Diameter, 0 - 100 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	409.11	74.57
33 19 11 00-0006	EA	2" Diameter, 0 - 160 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	552.94	97.08

33 19 11 00-0007 Magnetic Driven, Positive Displacement Type Water Service Meters (33 19 11)

33 19 11 00-0008	EA	5/8" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	296.36	36.59
		<i>For Owner Furnished Material, Deduct</i>	-259.33	
33 19 11 00-0009	EA	3/4" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	338.14	43.62
		<i>For Owner Furnished Material, Deduct</i>	-294.18	
33 19 11 00-0010	EA	1" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	501.63	49.95
		<i>For Owner Furnished Material, Deduct</i>	-451.38	
33 19 11 00-0011	EA	1-1/2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	847.69	74.57
		<i>For Owner Furnished Material, Deduct</i>	-772.85	
33 19 11 00-0012	EA	2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	1,050.08	97.08
		<i>For Owner Furnished Material, Deduct</i>	-952.38	

33 Utilities**33 10 Water Utilities****33 19 Water Utility Metering Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 19 11 00-0013 EA Electronic Transmitter.....	238.59	17.59
Note: For use with transmitting meter valve. For Owner Furnished Material, Deduct	-221.00	
33 19 11 00-0014 Flanged Compound Type Water Service Meter (33 19 11)		
33 19 11 00-0015 EA 2" Diameter, 0 - 160 GPM Water Service Meter Compound Type, Flanged And Bronze	1,544.69	86.33
33 19 11 00-0016 EA 3" Diameter, 0 - 320 GPM Water Service Meter Compound Type, Flanged And Bronze	1,804.32	110.10
33 19 11 00-0017 EA 4" Diameter, 0 - 500 GPM Water Service Meter Compound Type, Flanged And Bronze	3,187.27	208.54
33 19 11 00-0018 EA 6" Diameter, 0 - 1,000 GPM Water Service Meter Compound Type, Flanged And Bronze	4,175.63	233.16
33 19 11 00-0019 EA 8" Diameter, 0 - 1,600 GPM Water Service Meter Compound Type, Flanged And Bronze	8,614.84	297.92
33 19 11 00-0020 EA 10" Diameter, 0 - 2,500 GPM Water Service Meter Compound Type, Flanged And Bronze	14,780.31	362.68
33 19 11 00-0021 Flanged Turbine Water Service Meter (33 19 11)		
33 19 11 00-0022 Vertical Turbine Meters (33 19 11 00-0021)		
33 19 11 00-0023 EA 1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged.....	393.38	68.01
33 19 11 00-0024 EA 2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged.....	547.21	86.33
33 19 11 00-0025 EA 3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged.....	914.97	110.10
33 19 11 00-0026 EA 4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged.....	1,568.00	256.60
33 19 11 00-0027 EA 6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged.....	2,590.20	233.16
33 19 11 00-0028 Horizontal Turbine Meters (33 19 11 00-0021)		
33 19 11 00-0029 EA 1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged	598.83	68.01
33 19 11 00-0030 EA 2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged.....	840.51	86.33
33 19 11 00-0031 EA 3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged.....	1,032.56	110.10
33 19 11 00-0032 EA 4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged.....	1,723.43	256.60
33 19 11 00-0033 EA 6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged.....	3,156.52	233.16
33 19 11 00-0034 EA 8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged.....	4,223.49	297.92
33 19 11 00-0035 EA 10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged.....	5,905.70	362.68
33 19 11 00-0036 EA 12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged.....	7,580.67	731.84
33 30 Sanitary Sewerage Utilities (33)		
33 31 Sanitary Sewerage Piping (33 30)		
33 31 11 Public Sanitary Sewerage Gravity Piping (33 31)		
Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 31 11 00-0001 Cast Iron Service Saddles With U Bolt (33 31 11)		
33 31 11 00-0002 EA 2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	73.87	
33 31 11 00-0003 EA 3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	74.30	
33 31 11 00-0004 EA 3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	81.69	
33 31 11 00-0005 EA 4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	79.20	
33 31 11 00-0006 EA 4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt.....	89.57	
33 31 11 00-0007 EA 4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	101.02	
33 31 11 00-0008 EA 4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	119.77	
33 31 11 00-0009 EA 6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	101.74	
33 31 11 00-0010 EA 6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt.....	108.68	
33 31 11 00-0011 EA 6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	128.17	
33 31 11 00-0012 EA 4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt	81.65	
33 31 11 00-0013 EA 4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	89.05	
33 31 11 00-0014 EA 4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt.....	106.74	
33 31 11 00-0015 EA 4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt.....	126.80	
33 31 11 00-0016 EA 6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt.....	136.92	
33 31 11 00-0017 Plastic Sewer And Drain Piping (33 31 11)		
33 31 11 00-0018 Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe (33 31 11 00-0017)		
33 31 11 00-0019 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	3.53	2.06
33 31 11 00-0020 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	4.30	2.50
33 31 11 00-0021 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	6.52	3.56
33 31 11 00-0022 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	7.50	3.88
33 31 11 00-0023 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	10.39	5.00
33 31 11 00-0024 LF 8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	14.53	6.69
33 31 11 00-0025 LF 10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	20.89	8.88
33 31 11 00-0026 Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe (33 31 11 00-0017)		
Note: D-2729 PVC pipe.		
33 31 11 00-0027 LF 3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	6.19	3.69
33 31 11 00-0028 LF 4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	7.75	4.66
33 31 11 00-0029 LF 6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	11.99	7.00
33 31 11 00-0030 Polyvinyl Chloride (PVC) Sewer And Drain Fittings (33 31 11 00-0017)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0031				1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0030)</small>		
			EA	1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	13.21	8.32
			EA	2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	17.03	10.76
			EA	3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	24.55	14.44
			EA	4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	31.07	16.70
			EA	6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	69.37	21.70
			EA	8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	106.80	29.21
			EA	10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	141.46	38.91
33 31 11 00-0039				1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0030)</small>		
			EA	1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	13.38	8.32
			EA	2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	17.01	10.76
			EA	3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	24.30	14.44
			EA	4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	29.84	16.70
			EA	6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	66.26	21.70
			EA	8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	99.56	29.21
			EA	10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	120.18	38.91
33 31 11 00-0047				Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0030)</small>		
			EA	1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	15.07	8.19
			EA	2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	18.19	10.76
			EA	3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	28.04	14.76
			EA	4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	38.53	18.02
			EA	6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	57.36	20.83
			EA	8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	84.71	23.77
			EA	10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	124.44	27.71
33 31 11 00-0055				1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0030)</small>		
			EA	1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	13.73	8.32
			EA	2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	17.37	10.76
			EA	3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	25.34	14.44
			EA	4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	31.77	16.70
			EA	6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	79.73	21.70
			EA	8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	121.87	29.21
			EA	10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	144.90	38.91
33 31 11 00-0063				Reducers, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0030)</small>		
			EA	2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	17.56	10.76
			EA	3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	26.80	14.76
			EA	3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	26.05	14.76
			EA	4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	32.66	16.70
			EA	4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	33.01	16.70
			EA	6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	65.00	21.70
			EA	8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	111.98	25.64
			EA	10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	94.47	46.35
			EA	10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	108.45	46.35
			EA	10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	102.92	46.35
33 31 11 00-0074				Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0030)</small>		
			EA	1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	20.13	12.58
			EA	2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	26.20	16.26
			EA	3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	37.13	21.46
			EA	4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	49.31	26.65
			EA	6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	98.35	29.21
			EA	8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	128.92	38.91
33 31 11 00-0081				Wyes, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0030)</small>		
			EA	1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	21.43	12.58
			EA	2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	26.95	16.26
			EA	3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	38.09	21.46
			EA	4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	50.88	26.65
			EA	6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	92.46	29.21
			EA	8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	117.73	38.91
			EA	10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	155.72	51.91
33 31 11 00-0089				Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0030)</small>		
			EA	2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	23.45	12.58
			EA	2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	28.92	16.26
			EA	3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	36.75	21.46
			EA	4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	48.73	26.65
			EA	4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	50.20	26.65

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0095			Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0030)		
33 31 11 00-0096	EA		1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	29.85	16.26
33 31 11 00-0097	EA		2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	39.28	21.46
33 31 11 00-0098	EA		3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	61.69	28.96
33 31 11 00-0099	EA		4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	89.60	35.03
33 31 11 00-0100	EA		2" x 2" x 1-1/2" x 1-1/2 Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	38.67	21.46
33 31 11 00-0101	EA		3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	57.02	28.96
33 31 11 00-0102	EA		4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	81.89	35.03
33 31 11 00-0103			Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0030)		
33 31 11 00-0104	EA		1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	23.04	12.58
33 31 11 00-0105	EA		2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	29.46	16.26
33 31 11 00-0106	EA		3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	45.65	21.46
33 31 11 00-0107	EA		4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	67.84	26.65
33 31 11 00-0108	EA		2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	34.94	16.26
33 31 11 00-0109	EA		3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	50.61	21.46
33 31 11 00-0110	EA		3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	43.71	21.46
33 31 11 00-0111	EA		4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	65.51	26.65
33 31 11 00-0112	EA		4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	67.64	26.65
33 31 11 00-0113			Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0030)		
33 31 11 00-0114	EA		1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	31.10	16.26
33 31 11 00-0115	EA		2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	39.42	21.46
33 31 11 00-0116	EA		3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	55.95	28.96
33 31 11 00-0117	EA		4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	118.60	35.03
33 31 11 00-0118	EA		6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	297.95	38.78
33 31 11 00-0119			Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0030)		
33 31 11 00-0120	EA		4" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain.....	141.05	66.77
33 31 11 00-0121	EA		6" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain.....	247.98	86.14
33 31 11 00-0122	EA		8" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain.....	330.02	121.39
33 31 11 00-0123	EA		10" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain.....	489.03	195.28
33 31 11 00-0124			Couplings, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0030)		
33 31 11 00-0125	EA		1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	13.14	8.32
33 31 11 00-0126	EA		2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	16.72	10.70
33 31 11 00-0127	EA		3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	23.33	14.32
33 31 11 00-0128	EA		4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	28.00	16.70
33 31 11 00-0129	EA		6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	49.01	21.70
33 31 11 00-0130	EA		8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	91.24	29.21
33 31 11 00-0131	EA		10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	131.93	38.91
33 31 11 00-0132			Adapters, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0030)		
33 31 11 00-0133	EA		4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting.....	72.39	45.47
33 31 11 00-0134	EA		2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting.....	53.25	34.59
33 31 11 00-0135	EA		2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting.....	53.86	34.59
33 31 11 00-0136	EA		3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting.....	55.50	34.59
33 31 11 00-0137	EA		4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	72.84	45.47
33 31 11 00-0138	EA		4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	71.53	45.47
33 31 11 00-0139	EA		4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	69.38	45.47
33 31 11 00-0140	EA		4" Drain Grate, Drain And Sewer Fitting.....	36.62	23.38
33 31 11 00-0141			Caps, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0030)		
33 31 11 00-0142	EA		3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting.....	17.18	8.94
33 31 11 00-0143	EA		4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting.....	25.17	11.14
33 31 11 00-0144	EA		6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting.....	41.88	14.38
33 31 11 00-0145			Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0030)		
33 31 11 00-0146	EA		1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	13.23	8.32
33 31 11 00-0147	EA		2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	17.14	10.76
33 31 11 00-0148	EA		3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	24.13	14.44
33 31 11 00-0149	EA		4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	29.69	16.70
33 31 11 00-0150	EA		6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	44.90	21.70
33 31 11 00-0151	EA		8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	123.12	29.21
33 31 11 00-0152			Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0017) Note: ASTM 3034.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0153 LF 4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	7.52	2.96
33 31 11 00-0154 LF 6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	10.29	3.19
33 31 11 00-0155 LF 8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	14.24	3.53
33 31 11 00-0156 LF 10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	19.44	4.16
33 31 11 00-0157 LF 12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	24.80	4.28
33 31 11 00-0158 LF 15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	38.26	7.06
33 31 11 00-0159 LF 18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	51.78	9.08
33 31 11 00-0160 LF 21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	68.18	10.59
33 31 11 00-0161 LF 24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	83.45	12.11
33 31 11 00-0162 LF 27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	102.51	13.62
33 31 11 00-0163 Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0017)		
Note: ASTM 3034.		
33 31 11 00-0164 LF 4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	6.43	2.96
33 31 11 00-0165 LF 6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	8.35	3.19
33 31 11 00-0166 LF 8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	11.09	3.53
33 31 11 00-0167 Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings (33 31 11 00-0017)		
Note: ASTM 3034.		
33 31 11 00-0168 1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0167)		
33 31 11 00-0169 EA 4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	44.48	15.28
33 31 11 00-0170 EA 6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	64.58	17.77
33 31 11 00-0171 EA 8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	130.47	20.15
33 31 11 00-0172 EA 10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	364.74	23.69
33 31 11 00-0173 EA 12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	471.22	30.21
33 31 11 00-0174 1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0167)		
33 31 11 00-0175 EA 4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	40.57	15.28
33 31 11 00-0176 EA 6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	60.28	17.77
33 31 11 00-0177 EA 8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	119.58	20.15
33 31 11 00-0178 EA 10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	262.19	23.69
33 31 11 00-0179 EA 12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	373.70	30.21
33 31 11 00-0180 EA 15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	795.13	42.66
33 31 11 00-0181 EA 18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,259.58	60.43
33 31 11 00-0182 EA 21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,095.94	79.98
33 31 11 00-0183 EA 24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,857.20	106.64
33 31 11 00-0184 Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0167)		
33 31 11 00-0185 EA 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	67.28	22.93
33 31 11 00-0186 EA 6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	105.27	25.41
33 31 11 00-0187 EA 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	117.80	26.66
33 31 11 00-0188 EA 8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	129.64	27.91
33 31 11 00-0189 EA 8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	147.71	29.15
33 31 11 00-0190 EA 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	276.22	30.40
33 31 11 00-0191 EA 10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	351.73	31.10
33 31 11 00-0192 EA 10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	397.94	32.59
33 31 11 00-0193 EA 10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	583.84	33.83
33 31 11 00-0194 EA 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	758.73	35.55
33 31 11 00-0195 EA 12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	432.67	37.86
33 31 11 00-0196 EA 12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	459.03	39.10
33 31 11 00-0197 EA 12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	650.93	40.34
33 31 11 00-0198 EA 12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	934.68	42.06
33 31 11 00-0199 EA 12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,052.78	45.33
33 31 11 00-0200 Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0167)		
33 31 11 00-0201 EA 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	64.25	22.93
33 31 11 00-0202 EA 6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	95.17	25.41
33 31 11 00-0203 EA 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	104.23	26.66
33 31 11 00-0204 EA 8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	125.31	27.91
33 31 11 00-0205 EA 8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	142.55	29.15
33 31 11 00-0206 EA 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	214.48	30.40
33 31 11 00-0207 EA 10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	322.48	31.34
33 31 11 00-0208 EA 10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	329.11	32.59
33 31 11 00-0209 EA 10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	491.17	33.83
33 31 11 00-0210 EA 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	543.02	35.55
33 31 11 00-0211 EA 12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	408.21	37.86
33 31 11 00-0212 EA 12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	421.04	39.10
33 31 11 00-0213 EA 12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	598.86	40.34
33 31 11 00-0214 EA 12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	719.89	42.06
33 31 11 00-0215 EA 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	752.02	45.33
33 31 11 00-0216 EA 15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	926.44	54.51
33 31 11 00-0217 EA 15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,027.11	57.76
33 31 11 00-0218 EA 15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,282.01	63.99

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0219 Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0167)</small>		
33 31 11 00-0220 EA 4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	44.13	15.28
33 31 11 00-0221 EA 6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	66.89	17.77
33 31 11 00-0222 EA 8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	97.07	20.26
33 31 11 00-0223 EA 10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	179.98	23.69
33 31 11 00-0224 EA 12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	254.47	30.21
33 31 11 00-0225 EA 15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	493.38	42.66
33 31 11 00-0226 EA 18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	922.77	60.43
33 31 11 00-0227 EA 21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,534.27	79.98
33 31 11 00-0228 EA 24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,218.64	106.64
33 31 11 00-0229 Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0167)</small>		
33 31 11 00-0230 EA 6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	81.11	16.53
33 31 11 00-0231 EA 8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	114.66	17.77
33 31 11 00-0232 EA 8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	121.00	19.01
33 31 11 00-0233 EA 10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	266.71	20.73
33 31 11 00-0234 EA 10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	306.04	21.98
33 31 11 00-0235 EA 12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	341.81	24.00
33 31 11 00-0236 EA 12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	391.69	25.24
33 31 11 00-0237 EA 12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	448.59	26.96
33 31 11 00-0238 EA 15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	674.30	36.44
33 31 11 00-0239 Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0167)</small>		
33 31 11 00-0240 EA 6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	68.20	
33 31 11 00-0241 EA 8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	89.52	
33 31 11 00-0242 EA 8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	91.39	
33 31 11 00-0243 EA 10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	148.51	
33 31 11 00-0244 EA 10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	156.35	
33 31 11 00-0245 EA 10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	291.11	
33 31 11 00-0246 EA 12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	169.65	
33 31 11 00-0247 EA 12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	184.33	
33 31 11 00-0248 EA 12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	401.90	
33 31 11 00-0249 EA 12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	472.61	
33 31 11 00-0250 EA 15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	196.79	
33 31 11 00-0251 EA 15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	209.61	
33 31 11 00-0252 Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0167)</small>		
33 31 11 00-0253 EA 6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	72.58	
33 31 11 00-0254 EA 8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	89.52	
33 31 11 00-0255 EA 8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	97.37	
33 31 11 00-0256 EA 10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	136.89	
33 31 11 00-0257 EA 10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	155.41	
33 31 11 00-0258 EA 10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	232.62	
33 31 11 00-0259 EA 12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	168.72	
33 31 11 00-0260 EA 12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	183.45	
33 31 11 00-0261 EA 12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	270.94	
33 31 11 00-0262 EA 12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	328.04	
33 31 11 00-0263 EA 15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	196.22	
33 31 11 00-0264 EA 15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	205.27	
33 31 11 00-0265 EA 15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	334.63	
33 31 11 00-0266 EA 15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	369.09	
33 31 11 00-0267 EA 15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	517.19	
33 31 11 00-0268 Couplings And Plug Fittings <small>(33 31 11)</small>		
33 31 11 00-0269 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings <small>(33 31 11 00-0268)</small>		
Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps. Femco 1056.		
33 31 11 00-0270 EA 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	12.28	4.30
33 31 11 00-0271 EA 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	13.42	5.02
33 31 11 00-0272 EA 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	15.55	5.74
33 31 11 00-0273 EA 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	17.66	6.09
33 31 11 00-0274 EA 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	21.71	6.45
33 31 11 00-0275 EA 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	25.81	7.17
33 31 11 00-0276 EA 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	33.01	7.89
33 31 11 00-0277 EA 10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	40.91	8.25
33 31 11 00-0278 EA 12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	80.87	8.60

33 32 Sanitary Sewerage Equipment (33 30)**33 32 16 Packaged Wastewater Grinder Pump Assemblies** (33 32)**33 32 16 00-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller** (33 32 16)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 32 16 00-0002 EA 2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	1,840.02	211.21
Note: Zoeller 840 series.		
33 32 16 00-0003 EA 2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	1,810.72	211.21
Note: Zoeller 840 series.		
33 32 16 00-0004 EA Simplex Control Panel With Auto Reversing Switch	901.67	70.38
Note: For Zoeller 840 series grinder pump.		
33 32 16 00-0005 EA Duplex Control Panel With Auto Reversing Switch.....	1,446.23	70.38
Note: For Zoeller 840 series grinder pump.		
33 32 16 00-0006 EA Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74).....	7,327.30	
33 32 16 00-0007 Submersible Grinder Pumps <small>(33 32 16)</small>		
Note: Includes 50' of cord with pumps unless otherwise noted.		
33 32 16 00-0008 EA 2 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof.....	3,165.19	432.15
33 32 16 00-0009 EA 3 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof.....	4,886.00	504.17
33 32 16 00-0010 EA 5 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof.....	5,949.52	648.22
33 40 Stormwater Utilities <small>(33)</small>		
33 41 Subdrainage <small>(33 40)</small>		
33 41 16 Subdrainage Piping <small>(33 41)</small>		
33 41 16 00-0001 Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 <small>(33 41 16)</small>		
Note: Includes fittings, couplings, elbows, etc.		
33 41 16 00-0002 LF 3" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	3.96	2.68
33 41 16 00-0003 LF 4" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	4.32	2.89
33 41 16 00-0004 LF 6" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	5.93	3.47
33 41 16 00-0005 LF 8" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	8.92	4.33
33 41 16 00-0006 LF 10" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	14.13	4.96
33 41 16 00-0007 LF 12" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	18.07	5.79
33 41 16 00-0008 LF 15" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	33.44	6.94
33 41 16 00-0009 Perforated Non Reinforced Concrete Drainage Piping, C444 <small>(33 41 16)</small>		
33 41 16 00-0010 LF 6" Perforated Non Reinforced Concrete Drainage Pipe.....	16.96	3.56
For Extra Strength, Add		
	1.11	
For >1,000, Deduct		
	-0.85	
33 41 16 00-0011 LF 8" Perforated Non Reinforced Concrete Drainage Pipe.....	19.86	4.15
For Extra Strength, Add		
	1.37	
For >1,000, Deduct		
	-0.99	
33 41 16 00-0012 LF 10" Perforated Non Reinforced Concrete Drainage Pipe.....	22.57	4.74
For Extra Strength, Add		
	1.60	
For >1,000, Deduct		
	-1.13	
33 41 16 00-0013 LF 12" Perforated Non Reinforced Concrete Drainage Pipe.....	27.03	5.93
For Extra Strength, Add		
	2.00	
For >1,000, Deduct		
	-1.35	
33 41 16 00-0014 Extra Strength Porous Non Reinforced Concrete Drainage Piping, C654 <small>(33 41 16)</small>		
Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 00-0015 LF 6" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	16.69	7.46
For >1,000, Deduct		
	-0.83	
33 41 16 00-0016 LF 8" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	18.46	8.30
For >1,000, Deduct		
	-0.92	
33 41 16 00-0017 LF 10" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	20.38	9.12
For >1,000, Deduct		
	-1.02	
33 41 16 00-0018 LF 12" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	23.25	9.47
For >1,000, Deduct		
	-1.16	
33 41 16 00-0019 LF 15" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	27.02	10.66
For >1,000, Deduct		
	-1.35	
33 41 16 00-0020 LF 18" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	33.44	13.62
For >1,000, Deduct		
	-1.67	
33 41 16 00-0021 LF 21" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	41.77	17.47
For >1,000, Deduct		
	-2.09	
33 41 16 00-0022 LF 24" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	50.92	21.32
For >1,000, Deduct		
	-2.55	
33 41 16 00-0023 Standard Strength Porous Non Reinforced Concrete Drainage Piping, C654 <small>(33 41 16)</small>		
33 41 16 00-0024 LF 6" Standard Strength Porous Non Reinforced Concrete Drainage Pipe.....	12.37	3.56
For >1,000, Deduct		
	-0.62	
33 41 16 00-0025 LF 8" Standard Strength Porous Non Reinforced Concrete Drainage Pipe.....	16.06	4.15
For >1,000, Deduct		
	-0.80	
33 41 16 00-0026 LF 10" Standard Strength Porous Non Reinforced Concrete Drainage Pipe.....	20.88	4.74
For >1,000, Deduct		
	-1.04	
33 41 16 00-0027 LF 12" Standard Strength Porous Non Reinforced Concrete Drainage Pipe.....	30.25	9.47
For >1,000, Deduct		
	-1.51	
33 41 16 00-0028 LF 15" Standard Strength Porous Non Reinforced Concrete Drainage Pipe.....	34.64	10.66
For >1,000, Deduct		
	-1.73	

33	Utilities
33 40	Stormwater Utilities
33 41	Subdrainage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 00-0029 LF 18" Standard Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	44.88 -2.24	13.62
33 41 16 00-0030 Perforated Vitrified Clay Drainage Piping, C700 (33 41 16)		
33 41 16 00-0031 LF 4" Perforated Vitrified Clay Drainage Pipe	10.68	4.74
33 41 16 00-0032 LF 6" Perforated Vitrified Clay Drainage Pipe	14.09	4.74
33 41 16 00-0033 LF 8" Perforated Vitrified Clay Drainage Pipe	16.77	4.74
33 41 16 00-0034 LF 10" Perforated Vitrified Clay Drainage Pipe	21.20	4.74
33 41 16 00-0035 LF 12" Perforated Vitrified Clay Drainage Pipe	25.80	4.74
33 41 16 00-0036 Geotextile Filter Fabric Sock (33 41 16)		
33 41 16 00-0037 LF 3" Geotextile Filter Fabric Sock.....	0.46	
33 41 16 00-0038 LF 4" Geotextile Filter Fabric Sock.....	0.60	
33 41 16 00-0039 LF 6" Geotextile Filter Fabric Sock.....	0.91	
33 41 16 00-0040 LF 8" Geotextile Filter Fabric Sock.....	1.22	
33 41 16 00-0041 LF 10" Geotextile Filter Fabric Sock.....	1.81	
33 41 16 00-0042 LF 12" Geotextile Filter Fabric Sock.....	2.47	
33 41 16 00-0043 LF 15" Geotextile Filter Fabric Sock.....	2.95	
33 41 16 00-0044 Prefabricated Composite Drains (33 41 16)		
33 41 16 00-0045 Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) (33 41 16 00-0044)		
Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.		
33 41 16 00-0046 LF 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)..... <i>For External Typar Geotextile Wrap, Add</i>	6.14 1.05	1.39
33 41 16 00-0047 EA Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	27.01	
33 41 16 00-0048 EA End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	27.01	
33 41 16 00-0049 EA Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	51.43	
33 41 16 00-0050 EA End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	51.43	
33 41 16 00-0051 LF 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)..... <i>For External Typar Geotextile Wrap, Add</i>	9.67 1.58	1.74
33 41 16 00-0052 EA Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	39.55	
33 41 16 00-0053 EA End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	39.55	
33 41 16 00-0054 EA Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	59.43	
33 41 16 00-0055 EA End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	59.43	
33 41 19 Underslab Drainage (33 41)		
33 41 19 00-0001 Capillary Water Barrier Underslab Drainage (33 41 19)		
Note: Consists of a layer of fine granular material overlying a coarse layer.		
33 41 19 00-0002 CY 2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	40.24	
33 41 19 00-0003 CY 4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	38.65	
33 41 19 00-0004 CY 6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	38.02	
33 41 19 00-0005 CY 8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	37.08	
33 42 Stormwater Conveyance (33 40)		
Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 42 11 Stormwater Gravity Piping (33 42)		
33 42 11 00-0001 Reinforced Concrete Piping (33 42 11)		
33 42 11 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets (33 42 11 00-0001)		
33 42 11 00-0003 LF 12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	30.13 -1.51 1.51 4.78	9.95
33 42 11 00-0004 LF 15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	36.19 -1.81 1.94 6.11	11.07
33 42 11 00-0005 LF 18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	41.16 -2.06 2.04 6.43	13.80
33 42 11 00-0006 LF 21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	52.74 -2.64 2.65 8.36	17.41
33 42 11 00-0007 LF 24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	61.73 -3.09 3.00 9.46	21.15
33 42 11 00-0008 HE-I Elliptical Reinforced Concrete Piping Without Gaskets (33 42 11 00-0001)		



	Utilities	33
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0009 LF 18" x 12" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size).....	46.66	15.90
For >1,000, Deduct	-2.33	
For Horizontal Elliptical - II (HE- II), Add	2.40	
For Horizontal Elliptical - III (HE- III), Add	5.27	
For Horizontal Elliptical - IV (HE- IV), Add	11.50	
33 42 11 00-0010 LF 23" x 14" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size).....	72.62	18.36
For >1,000, Deduct	-3.63	
For Horizontal Elliptical - II (HE- II), Add	4.64	
For Horizontal Elliptical - III (HE- III), Add	10.21	
For Horizontal Elliptical - IV (HE- IV), Add	22.27	
33 42 11 00-0011 LF 30" x 19" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size).....	100.86	28.12
For >1,000, Deduct	-5.04	
For Horizontal Elliptical - II (HE- II), Add	6.07	
For Horizontal Elliptical - III (HE- III), Add	13.35	
For Horizontal Elliptical - IV (HE- IV), Add	29.13	
33 42 11 00-0012 LF 34" x 22" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size).....	119.64	36.25
For >1,000, Deduct	-5.98	
For Horizontal Elliptical - II (HE- II), Add	6.79	
For Horizontal Elliptical - III (HE- III), Add	14.93	
For Horizontal Elliptical - IV (HE- IV), Add	32.57	
33 42 11 00-0013 LF 38" x 24" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size).....	133.61	37.88
For >1,000, Deduct	-6.68	
For Horizontal Elliptical - II (HE- II), Add	7.95	
For Horizontal Elliptical - III (HE- III), Add	17.49	
For Horizontal Elliptical - IV (HE- IV), Add	38.16	
33 42 11 00-0014 LF 42" x 27" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size).....	153.80	39.99
For >1,000, Deduct	-7.69	
For Horizontal Elliptical - II (HE- II), Add	9.67	
For Horizontal Elliptical - III (HE- III), Add	21.27	
For Horizontal Elliptical - IV (HE- IV), Add	46.40	
33 42 11 00-0015 LF 45" x 29" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size).....	174.00	42.10
For >1,000, Deduct	-8.70	
For Horizontal Elliptical - II (HE- II), Add	11.39	
For Horizontal Elliptical - III (HE- III), Add	25.05	
For Horizontal Elliptical - IV (HE- IV), Add	54.65	
33 42 11 00-0016 LF 53" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size).....	212.65	46.33
For >1,000, Deduct	-10.63	
For Horizontal Elliptical - II (HE- II), Add	14.65	
For Horizontal Elliptical - III (HE- III), Add	32.22	
For Horizontal Elliptical - IV (HE- IV), Add	70.30	
33 42 11 00-0017 LF 60" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size).....	256.67	52.11
For >1,000, Deduct	-12.83	
For Horizontal Elliptical - II (HE- II), Add	18.22	
For Horizontal Elliptical - III (HE- III), Add	40.09	
For Horizontal Elliptical - IV (HE- IV), Add	87.47	
33 42 11 00-0018 LF 68" x 43" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size).....	312.85	59.55
For >1,000, Deduct	-15.64	
For Horizontal Elliptical - II (HE- II), Add	22.78	
For Horizontal Elliptical - III (HE- III), Add	50.11	
For Horizontal Elliptical - IV (HE- IV), Add	109.33	
33 42 11 00-0019 LF 76" x 48" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size).....	388.73	69.09
For >1,000, Deduct	-19.44	
For Horizontal Elliptical - II (HE- II), Add	29.00	
For Horizontal Elliptical - III (HE- III), Add	63.81	
For Horizontal Elliptical - IV (HE- IV), Add	139.21	
33 42 11 00-0020 Concrete Reducing Wye Without Gaskets (33 42 11 00-0001)		
33 42 11 00-0021 EA 12" Concrete Reducing Wye Without Gaskets	368.73	37.90
33 42 11 00-0022 EA 15" Concrete Reducing Wye Without Gaskets	442.17	46.19
33 42 11 00-0023 EA 18" Concrete Reducing Wye Without Gaskets	546.54	50.93
33 42 11 00-0024 EA 21" Concrete Reducing Wye Without Gaskets	627.15	62.78
33 42 11 00-0025 EA 24" Concrete Reducing Wye Without Gaskets	708.67	75.81
33 42 11 00-0026 Concrete Pipe Joint Gaskets (33 42 11 00-0001)		
33 42 11 00-0027 EA 12" Diameter Concrete Pipe Joint Gasket	3.53	
33 42 11 00-0028 EA 15" Diameter Concrete Pipe Joint Gasket	4.18	
33 42 11 00-0029 EA 18" Diameter Concrete Pipe Joint Gasket	4.84	
33 42 11 00-0030 EA 21" Diameter Concrete Pipe Joint Gasket	5.85	
33 42 11 00-0031 EA 24" Diameter Concrete Pipe Joint Gasket	6.85	
33 42 11 00-0032 Precast Concrete Cut Off Wall (33 42 11 00-0001)		
33 42 11 00-0033 EA 12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	165.88	112.59
33 42 11 00-0034 EA 15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	204.57	139.45
33 42 11 00-0035 EA 18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	253.52	176.57
33 42 11 00-0036 EA 21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	299.89	211.11
33 42 11 00-0037 EA 24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	344.92	244.31
33 42 11 00-0038 EA 27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	424.61	312.18
33 42 11 00-0039 EA 30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	554.26	429.89
33 42 11 00-0040 EA 36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	690.62	542.48
33 42 11 00-0041 EA 42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	852.23	680.54
33 42 11 00-0042 EA 48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	953.52	767.02

33	Utilities
33 40	Stormwater Utilities
33 42	Stormwater Conveyance



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0043 EA 54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,064.40	859.78
33 42 11 00-0044 EA 60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,176.77	955.10
33 42 11 00-0045 EA 66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,222.83	991.57
33 42 11 00-0046 EA 72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,263.34	1,023.55
33 42 11 00-0047 EA 78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,303.86	1,055.54
33 42 11 00-0048 EA 84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,345.44	1,087.53
33 42 11 00-0049 Strap Assembly (33 42 11 00-0001) Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap.		
33 42 11 00-0050 EA Up To 24" Diameter Pipe, 12' Strap Assembly.....	138.33	
33 42 11 00-0051 EA >24" Diameter Pipe, 12' Strap Assembly.....	194.42	
33 42 11 00-0052 Prestressed Concrete Cylinder Piping (33 42 11)		
33 42 11 00-0053 150 PSI Prestressed Concrete Cylinder Pipe And Fittings (33 42 11 00-0052)		
33 42 11 00-0054 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets (33 42 11 00-0053) Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 42 11 00-0055 LF 12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	82.79	9.95
For >1,000, Deduct	-4.14	
For 100 PSI, Deduct	-17.15	
33 42 11 00-0056 LF 15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	88.36	11.07
For >1,000, Deduct	-4.42	
For 100 PSI, Deduct	-18.14	
33 42 11 00-0057 LF 18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	96.24	13.80
For >1,000, Deduct	-4.81	
For 100 PSI, Deduct	-19.13	
33 42 11 00-0058 LF 21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	105.37	17.41
For >1,000, Deduct	-5.27	
For 100 PSI, Deduct	-20.12	
33 42 11 00-0059 LF 24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	114.66	21.15
For >1,000, Deduct	-5.73	
For 100 PSI, Deduct	-21.12	
33 42 11 00-0060 150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets (33 42 11 00-0053)		
33 42 11 00-0061 EA 12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	278.59	93.28
33 42 11 00-0062 EA 15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	385.61	133.25
33 42 11 00-0063 EA 18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	496.11	177.66
33 42 11 00-0064 EA 21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	606.59	222.09
33 42 11 00-0065 EA 24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	736.62	275.98
33 42 11 00-0066 EA 30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	943.19	370.14
33 42 11 00-0067 EA 42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,379.17	522.65
33 42 11 00-0068 EA 54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,911.50	745.27
33 42 11 00-0069 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets (33 42 11 00-0053)		
33 42 11 00-0070 EA 12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	260.18	93.28
33 42 11 00-0071 EA 15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	361.79	133.25
33 42 11 00-0072 EA 18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	467.95	177.66
33 42 11 00-0073 EA 21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	574.11	222.09
33 42 11 00-0074 EA 24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	699.80	275.98
33 42 11 00-0075 EA 30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	892.66	345.27
33 42 11 00-0076 EA 42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,312.40	522.65
33 42 11 00-0077 EA 54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,808.12	745.27
33 42 11 00-0078 Vitrified Clay Piping (33 42 11)		
33 42 11 00-0079 Extra Strength Vitrified Clay Piping (33 42 11 00-0078)		
33 42 11 00-0080 Plain Joint, Extra Strength, Vitrified Clay Piping (33 42 11 00-0079) Note: ASTM C700.		
33 42 11 00-0081 LF 4" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	12.74	
For 3' Lengths, Add	1.08	
For 2' Lengths, Add	1.44	
For Standard Strength, Deduct	-0.36	
For >1,000, Deduct	-0.64	
33 42 11 00-0082 LF 6" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	16.62	
For 3' Lengths, Add	1.68	
For 2' Lengths, Add	2.24	
For Standard Strength, Deduct	-0.56	
For >1,000, Deduct	-0.83	
33 42 11 00-0083 LF 8" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	20.89	
For 3' Lengths, Add	2.40	
For 2' Lengths, Add	3.20	
For Standard Strength, Deduct	-0.80	
For >1,000, Deduct	-1.04	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0084 LF 10" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	26.20	
For 3' Lengths, Add	3.68	
For 2' Lengths, Add	4.90	
For Standard Strength, Deduct	-1.23	
For >1,000, Deduct	-1.31	
33 42 11 00-0085 LF 12" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	33.00	
For 3' Lengths, Add	5.19	
For 2' Lengths, Add	6.92	
For Standard Strength, Deduct	-1.73	
For >1,000, Deduct	-1.65	
33 42 11 00-0086 Compression Joint, Extra Strength, Vitrified Clay Piping (33 42 11 00-0079)		
Note: ASTM C425.		
33 42 11 00-0087 LF 4" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	15.22	
For 3' Lengths, Add	1.28	
For 2' Lengths, Add	1.70	
For Standard Strength, Deduct	-0.43	
For >1,000, Deduct	-0.76	
33 42 11 00-0088 LF 6" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	20.16	
For 3' Lengths, Add	2.08	
For 2' Lengths, Add	2.78	
For Standard Strength, Deduct	-0.69	
For >1,000, Deduct	-1.01	
33 42 11 00-0089 LF 8" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	25.26	
For 3' Lengths, Add	2.94	
For 2' Lengths, Add	3.92	
For Standard Strength, Deduct	-0.98	
For >1,000, Deduct	-1.26	
33 42 11 00-0090 LF 10" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	32.83	
For 3' Lengths, Add	4.83	
For 2' Lengths, Add	6.44	
For Standard Strength, Deduct	-1.61	
For >1,000, Deduct	-1.64	
33 42 11 00-0091 LF 12" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	40.00	
For 3' Lengths, Add	6.35	
For 2' Lengths, Add	8.46	
For Standard Strength, Deduct	-2.12	
For >1,000, Deduct	-2.00	
33 42 11 00-0092 Extra Strength, Vitrified Clay Pipe Fittings (33 42 11 00-0078)		
33 42 11 00-0093 1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0092)		
33 42 11 00-0094 Plain End 1/8 Bend, Extra Strength, Vitrified Clay (33 42 11 00-0093)		
33 42 11 00-0095 EA 4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	53.16	
33 42 11 00-0096 EA 6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	71.72	
33 42 11 00-0097 EA 8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	102.35	
33 42 11 00-0098 EA 10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	140.35	
33 42 11 00-0099 EA 12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	185.31	
33 42 11 00-0100 Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0093)		
33 42 11 00-0101 EA 4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	60.13	
33 42 11 00-0102 EA 6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	85.37	
33 42 11 00-0103 EA 8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	115.53	
33 42 11 00-0104 EA 10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	154.45	
33 42 11 00-0105 EA 12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	195.94	
33 42 11 00-0106 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0092)		
33 42 11 00-0107 Plain End 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0106)		
33 42 11 00-0108 EA 4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	62.31	
33 42 11 00-0109 EA 6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	82.74	
33 42 11 00-0110 EA 8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	115.23	
33 42 11 00-0111 EA 10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	154.28	
33 42 11 00-0112 EA 12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	201.02	
33 42 11 00-0113 Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0106)		
33 42 11 00-0114 EA 4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	71.10	
33 42 11 00-0115 EA 6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	98.59	
33 42 11 00-0116 EA 8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	130.99	
33 42 11 00-0117 EA 10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	171.17	
33 42 11 00-0118 EA 12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	214.79	
33 42 11 00-0119 Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0092)		
33 42 11 00-0120 Plain End Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0119)		
33 42 11 00-0121 EA 4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	68.59	

33	Utilities
33 40	Stormwater Utilities
33 42	Stormwater Conveyance



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 11 00-0122	EA	6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	89.43
33 42 11 00-0123	EA	8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	121.29
33 42 11 00-0124	EA	10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	159.75
33 42 11 00-0125	EA	12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	201.76

33 42 11 00-0126 **Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay** (33 42 11 00-0119)

33 42 11 00-0127	EA	4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	83.77
33 42 11 00-0128	EA	6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	114.67
33 42 11 00-0129	EA	8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	150.77
33 42 11 00-0130	EA	10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	194.42
33 42 11 00-0131	EA	12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	242.35

33 42 13 **Stormwater Culverts** (33 42)

33 42 13 13 **Precast Concrete Stormwater Culverts** (33 42 13)

33 42 13 13-0001 **Precast Reinforced Concrete Box Culvert** (33 42 13 13)

Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes excavation and backfill. Minimum length 6'-0".

33 42 13 13-0002	LF	4' x 2' Precast Reinforced Concrete Box Culvert	189.30	31.99
		<i>For Each LF Of Cut-Off Section, Add</i>	7.57	
33 42 13 13-0003	LF	4' x 3' Precast Reinforced Concrete Box Culvert	206.44	31.99
		<i>For Each LF Of Cut-Off Section, Add</i>	8.26	
33 42 13 13-0004	LF	5' x 3' Precast Reinforced Concrete Box Culvert	271.61	39.98
		<i>For Each LF Of Cut-Off Section, Add</i>	10.86	
33 42 13 13-0005	LF	5' x 4' Precast Reinforced Concrete Box Culvert	292.28	39.98
		<i>For Each LF Of Cut-Off Section, Add</i>	11.69	
33 42 13 13-0006	LF	5' x 5' Precast Reinforced Concrete Box Culvert	312.94	39.98
		<i>For Each LF Of Cut-Off Section, Add</i>	12.52	
33 42 13 13-0007	LF	6' x 3' Precast Reinforced Concrete Box Culvert	331.14	41.59
		<i>For Each LF Of Cut-Off Section, Add</i>	13.25	
33 42 13 13-0008	LF	6' x 4' Precast Reinforced Concrete Box Culvert	355.30	41.59
		<i>For Each LF Of Cut-Off Section, Add</i>	14.21	
33 42 13 13-0009	LF	6' x 6' Precast Reinforced Concrete Box Culvert	403.44	41.59
		<i>For Each LF Of Cut-Off Section, Add</i>	16.14	
33 42 13 13-0010	LF	7' x 4' Precast Reinforced Concrete Box Culvert	434.23	47.98
		<i>For Each LF Of Cut-Off Section, Add</i>	17.37	
33 42 13 13-0011	LF	7' x 6' Precast Reinforced Concrete Box Culvert	523.46	65.25
		<i>For Each LF Of Cut-Off Section, Add</i>	20.94	
33 42 13 13-0012	LF	8' x 2' Precast Reinforced Concrete Box Culvert	394.15	41.59
		<i>For Each LF Of Cut-Off Section, Add</i>	15.77	
33 42 13 13-0013	LF	8' x 3' Precast Reinforced Concrete Box Culvert	429.85	47.98
		<i>For Each LF Of Cut-Off Section, Add</i>	17.19	
33 42 13 13-0014	LF	8' x 4' Precast Reinforced Concrete Box Culvert	461.72	47.98
		<i>For Each LF Of Cut-Off Section, Add</i>	18.47	
33 42 13 13-0015	LF	8' x 5' Precast Reinforced Concrete Box Culvert	520.96	63.97
		<i>For Each LF Of Cut-Off Section, Add</i>	20.84	
33 42 13 13-0016	LF	8' x 6' Precast Reinforced Concrete Box Culvert	548.43	63.97
		<i>For Each LF Of Cut-Off Section, Add</i>	21.94	
33 42 13 13-0017	LF	8' x 8' Precast Reinforced Concrete Box Culvert	635.13	79.97
		<i>For Each LF Of Cut-Off Section, Add</i>	25.41	
33 42 13 13-0018	LF	9' x 4' Precast Reinforced Concrete Box Culvert	570.33	63.97
		<i>For Each LF Of Cut-Off Section, Add</i>	22.81	
33 42 13 13-0019	LF	9' x 6' Precast Reinforced Concrete Box Culvert	663.84	79.97
		<i>For Each LF Of Cut-Off Section, Add</i>	26.55	
33 42 13 13-0020	LF	10' x 3' Precast Reinforced Concrete Box Culvert	651.24	79.97
		<i>For Each LF Of Cut-Off Section, Add</i>	26.05	
33 42 13 13-0021	LF	10' x 4' Precast Reinforced Concrete Box Culvert	684.37	79.97
		<i>For Each LF Of Cut-Off Section, Add</i>	27.37	
33 42 13 13-0022	LF	10' x 5' Precast Reinforced Concrete Box Culvert	751.57	95.96
		<i>For Each LF Of Cut-Off Section, Add</i>	30.06	
33 42 13 13-0023	LF	10' x 6' Precast Reinforced Concrete Box Culvert	786.07	95.96
		<i>For Each LF Of Cut-Off Section, Add</i>	31.44	
33 42 13 13-0024	LF	10' x 7' Precast Reinforced Concrete Box Culvert	820.57	95.96
		<i>For Each LF Of Cut-Off Section, Add</i>	32.82	
33 42 13 13-0025	LF	10' x 8' Precast Reinforced Concrete Box Culvert	854.85	95.96
		<i>For Each LF Of Cut-Off Section, Add</i>	34.19	
33 42 13 13-0026	LF	12' x 3' Precast Reinforced Concrete Box Culvert	727.95	111.95
		<i>For Each LF Of Cut-Off Section, Add</i>	29.12	
33 42 13 13-0027	LF	12' x 4' Precast Reinforced Concrete Box Culvert	937.01	111.95
		<i>For Each LF Of Cut-Off Section, Add</i>	37.48	
33 42 13 13-0028	LF	12' x 6' Precast Reinforced Concrete Box Culvert	1,019.65	111.95
		<i>For Each LF Of Cut-Off Section, Add</i>	40.79	
33 42 13 13-0029	LF	12' x 8' Precast Reinforced Concrete Box Culvert	1,102.27	111.95
		<i>For Each LF Of Cut-Off Section, Add</i>	44.09	
33 42 13 13-0030	LF	16' x 10' Precast Reinforced Concrete Box Culvert	1,381.70	127.95
		<i>For Each LF Of Cut-Off Section, Add</i>	55.27	
33 42 13 13-0031	LF	24' x 10' Precast Reinforced Concrete Box Culvert	1,712.22	127.95
		<i>For Each LF Of Cut-Off Section, Add</i>	68.49	



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 13 13-0032	Precast Reinforced Concrete Box Culvert For Roadways <small>(33 42 13 13)</small>		
	Note: AASHTO H/20, H/25 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes excavation and backfill. Minimum length 6'-0".		
33 42 13 13-0033	LF 4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	553.40	31.99
	<i>For Each LF Of Cut-Off Section, Add</i>	22.14	
33 42 13 13-0034	LF 4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	620.14	31.99
	<i>For Each LF Of Cut-Off Section, Add</i>	24.81	
33 42 13 13-0035	LF 5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	702.87	39.98
	<i>For Each LF Of Cut-Off Section, Add</i>	28.11	
33 42 13 13-0036	LF 5' x 4' Precast Reinforced Concrete Box Culvert For Roadways	769.61	39.98
	<i>For Each LF Of Cut-Off Section, Add</i>	30.78	
33 42 13 13-0037	LF 5' x 5' Precast Reinforced Concrete Box Culvert For Roadways	836.35	39.98
	<i>For Each LF Of Cut-Off Section, Add</i>	33.45	
33 42 13 13-0038	LF 6' x 3' Precast Reinforced Concrete Box Culvert For Roadways	772.80	41.59
	<i>For Each LF Of Cut-Off Section, Add</i>	30.91	
33 42 13 13-0039	LF 6' x 4' Precast Reinforced Concrete Box Culvert For Roadways	839.54	41.59
	<i>For Each LF Of Cut-Off Section, Add</i>	33.58	
33 42 13 13-0040	LF 6' x 6' Precast Reinforced Concrete Box Culvert For Roadways	973.03	41.59
	<i>For Each LF Of Cut-Off Section, Add</i>	38.92	
33 42 13 13-0041	LF 7' x 4' Precast Reinforced Concrete Box Culvert For Roadways	919.08	47.98
	<i>For Each LF Of Cut-Off Section, Add</i>	36.76	
33 42 13 13-0042	LF 7' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,087.09	65.25
	<i>For Each LF Of Cut-Off Section, Add</i>	43.48	
33 42 13 13-0043	LF 8' x 2' Precast Reinforced Concrete Box Culvert For Roadways	839.54	41.59
	<i>For Each LF Of Cut-Off Section, Add</i>	33.58	
33 42 13 13-0044	LF 8' x 3' Precast Reinforced Concrete Box Culvert For Roadways	919.08	47.98
	<i>For Each LF Of Cut-Off Section, Add</i>	36.76	
33 42 13 13-0045	LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	985.83	47.98
	<i>For Each LF Of Cut-Off Section, Add</i>	39.43	
33 42 13 13-0046	LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,084.54	63.97
	<i>For Each LF Of Cut-Off Section, Add</i>	43.38	
33 42 13 13-0047	LF 8' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,151.29	63.97
	<i>For Each LF Of Cut-Off Section, Add</i>	46.05	
33 42 13 13-0048	LF 8' x 8' Precast Reinforced Concrete Box Culvert For Roadways	1,316.75	79.97
	<i>For Each LF Of Cut-Off Section, Add</i>	52.67	
33 42 13 13-0049	LF 9' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,162.21	63.97
	<i>For Each LF Of Cut-Off Section, Add</i>	46.49	
33 42 13 13-0050	LF 9' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,336.84	79.97
	<i>For Each LF Of Cut-Off Section, Add</i>	53.47	
33 42 13 13-0051	LF 10' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,322.32	79.97
	<i>For Each LF Of Cut-Off Section, Add</i>	52.89	
33 42 13 13-0052	LF 10' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,401.57	79.97
	<i>For Each LF Of Cut-Off Section, Add</i>	56.06	
33 42 13 13-0053	LF 10' x 5' Precast Reinforced Concrete Box Culvert For Roadways	1,512.81	95.96
	<i>For Each LF Of Cut-Off Section, Add</i>	60.51	
33 42 13 13-0054	LF 10' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,592.06	95.96
	<i>For Each LF Of Cut-Off Section, Add</i>	63.68	
33 42 13 13-0055	LF 10' x 7' Precast Reinforced Concrete Box Culvert For Roadways	1,671.32	95.96
	<i>For Each LF Of Cut-Off Section, Add</i>	66.85	
33 42 13 13-0056	LF 10' x 8' Precast Reinforced Concrete Box Culvert For Roadways	1,750.57	95.96
	<i>For Each LF Of Cut-Off Section, Add</i>	70.02	
33 42 13 13-0057	LF 12' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,755.59	111.95
	<i>For Each LF Of Cut-Off Section, Add</i>	70.22	
33 42 13 13-0058	LF 12' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,845.68	111.95
	<i>For Each LF Of Cut-Off Section, Add</i>	73.83	
33 42 13 13-0059	LF 12' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,025.88	111.95
	<i>For Each LF Of Cut-Off Section, Add</i>	81.04	
33 42 13 13-0060	LF 12' x 8' Precast Reinforced Concrete Box Culvert For Roadways	2,206.08	111.95
	<i>For Each LF Of Cut-Off Section, Add</i>	88.24	
33 42 13 13-0061	LF 16' x 10' Precast Reinforced Concrete Box Culvert For Roadways	2,638.48	127.95
	<i>For Each LF Of Cut-Off Section, Add</i>	105.54	
33 42 13 13-0062	LF 24' x 10' Precast Reinforced Concrete Box Culvert For Roadways	3,319.23	127.95
	<i>For Each LF Of Cut-Off Section, Add</i>	132.77	

33 42 23 Headwalls and Endwalls for Stormwater Piping (33 42)

33 42 23 00-0001	Headwalls <small>(33 42 23)</small>		
	Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.		
33 42 23 00-0002	Cast In Place Concrete Headwalls <small>(33 42 23 00-0001)</small>		
33 42 23 00-0003	Skewed Wingwall, Cast In Place Concrete Headwall <small>(33 42 23 00-0002)</small>		
	Note: Sized by pipe diameter.		
33 42 23 00-0004	EA 12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	778.22	381.27
33 42 23 00-0005	Precast Concrete Headwalls <small>(33 42 23 00-0001)</small>		
33 42 23 00-0006	EA 12" Pipe, Precast Concrete Headwall	408.22	106.60
33 42 23 00-0007	Precast Concrete Wingwalls <small>(33 42 23 00-0001)</small>		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 23 00-0008 EA 18" ID Pipe (26" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	2,652.36	1,139.98
33 42 23 00-0009 EA 24" ID Pipe (32" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	2,844.28	1,266.64
33 42 26 End Sections for Stormwater Piping (33 42)		
33 42 26 23 Concrete End Sections for Stormwater Piping (33 42 26)		
33 42 26 23-0001 Precast Concrete End Sections (33 42 26 23)		
33 42 26 23-0002 Precast Concrete End Sections (33 42 26 23-0001)		
33 42 26 23-0003 EA 12" Diameter Pipe, Precast Concrete End Section.....	559.42	69.46
33 42 26 23-0004 EA 15" Diameter Pipe, Precast Concrete End Section.....	756.04	85.99
33 42 26 23-0005 EA 18" Diameter Pipe, Precast Concrete End Section.....	934.41	108.85
33 42 26 23-0006 EA 21" Diameter Pipe, Precast Concrete End Section.....	1,068.63	130.17
33 42 26 23-0007 EA 24" Diameter Pipe, Precast Concrete End Section.....	1,127.09	150.66
33 42 26 23-0008 Flared Precast Concrete End Sections (33 42 26 23-0001)		
33 42 26 23-0009 EA 12" Diameter Pipe, Flared Precast Concrete End Section.....	714.15	74.53
33 42 26 23-0010 EA 15" Diameter Pipe, Flared Precast Concrete End Section.....	858.27	92.89
33 42 26 23-0011 EA 18" Diameter Pipe, Flared Precast Concrete End Section.....	1,038.74	117.58
33 42 26 23-0012 EA 21" Diameter Pipe, Flared Precast Concrete End Section.....	1,182.75	140.61
33 42 26 23-0013 EA 24" Diameter Pipe, Flared Precast Concrete End Section.....	1,449.13	162.75
33 42 26 23-0014 Elliptical Precast Concrete End Sections (33 42 26 23-0001)		
33 42 26 23-0015 EA 18" x 12" Elliptical Precast Concrete End Section.....	1,037.97	92.89
33 42 26 23-0016 EA 23" x 14" Elliptical Precast Concrete End Section.....	1,254.28	117.58
33 42 26 23-0017 EA 24" x 18" Elliptical Precast Concrete End Section.....	1,425.66	140.61
33 42 26 23-0018 EA 30" x 19" Elliptical Precast Concrete End Section.....	1,750.32	162.75
33 42 26 23-0019 EA 34" x 22" Elliptical Precast Concrete End Section.....	2,033.57	259.92
33 42 26 23-0020 EA 38" x 24" Elliptical Precast Concrete End Section.....	2,009.52	357.85
33 42 26 23-0021 EA 42" x 27" Elliptical Precast Concrete End Section.....	2,381.72	404.94
33 42 26 23-0022 EA 45" x 29" Elliptical Precast Concrete End Section.....	2,753.90	451.64
33 42 26 23-0023 EA 53" x 34" Elliptical Precast Concrete End Section.....	3,274.72	566.67
33 42 26 23-0024 EA 60" x 38" Elliptical Precast Concrete End Section.....	3,511.85	639.08
33 42 26 23-0025 EA 68" x 43" Elliptical Precast Concrete End Section.....	3,926.89	715.78
33 42 26 23-0026 EA 76" x 48" Elliptical Precast Concrete End Section.....	4,347.98	795.05
33 42 31 Stormwater Area Drains and Inlets (33 42)		
33 42 31 00-0001 Storm Drains (33 42 31)		
33 42 31 00-0002 Catch Basins And Inlet Basins (33 42 31 00-0001) Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.		
33 42 31 00-0003 Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0002) Note: Inside dimensions.		
33 42 31 00-0004 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0005 EA 2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,028.77	187.54
33 42 31 00-0006 EA 3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,229.86	219.73
33 42 31 00-0007 EA 4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,430.94	251.87
33 42 31 00-0008 EA 5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,632.02	284.07
33 42 31 00-0009 EA 6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,833.11	316.21
33 42 31 00-0010 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0011 EA 2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,335.48	186.40
33 42 31 00-0012 EA 3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,649.52	248.54
33 42 31 00-0013 EA 4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	2,100.87	338.91
33 42 31 00-0014 EA 5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	2,562.89	395.39
33 42 31 00-0015 EA 6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	2,921.86	451.88
33 42 31 00-0016 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0017 EA 2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,436.22	203.34
33 42 31 00-0018 EA 3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,990.16	282.42
33 42 31 00-0019 EA 4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	2,425.58	367.16
33 42 31 00-0020 EA 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	2,800.86	423.64
33 42 31 00-0021 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	3,551.22	542.26
33 42 31 00-0022 Cast In Place, Catch Basin (33 42 31 00-0002) Note: Inside span, overall depth.		
33 42 31 00-0023 3' x 3', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0024 EA 3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin.....	1,286.28	226.73
33 42 31 00-0025 EA 3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin.....	1,364.51	241.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0026 EA 4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,491.30	258.93
33 42 31 00-0027 EA 4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	1,679.16	286.60
33 42 31 00-0028 EA 5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	1,811.41	305.08
33 42 31 00-0029 EA 5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	1,897.35	319.93
33 42 31 00-0030 EA 6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,029.71	338.41
33 42 31 00-0031 EA 6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,113.45	353.31
33 42 31 00-0032 EA 7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,246.87	371.73
33 42 31 00-0033 EA 7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,331.74	386.64
33 42 31 00-0034 EA 8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,464.04	405.11
33 42 31 00-0035 VLF >8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	308.02	50.61
33 42 31 00-0036 3'-6" x 3'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0037 EA 3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	1,480.91	262.09
33 42 31 00-0038 EA 3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	1,579.84	280.51
33 42 31 00-0039 EA 4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	1,712.14	298.97
33 42 31 00-0040 EA 4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,931.77	331.11
33 42 31 00-0041 EA 5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,077.08	352.01
33 42 31 00-0042 EA 5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,175.99	369.36
33 42 31 00-0043 EA 6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,323.38	390.26
33 42 31 00-0044 EA 6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,422.28	407.60
33 42 31 00-0045 EA 7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,568.62	428.50
33 42 31 00-0046 EA 7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,667.52	445.84
33 42 31 00-0047 EA 8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,813.90	466.73
33 42 31 00-0048 VLF >8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	351.75	58.35
33 42 31 00-0049 4' x 4', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0050 EA 3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	1,689.35	299.82
33 42 31 00-0051 EA 3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	1,793.80	318.86
33 42 31 00-0052 EA 4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	1,945.71	341.40
33 42 31 00-0053 EA 4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	2,197.44	378.05
33 42 31 00-0054 EA 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	2,357.86	401.39
33 42 31 00-0055 EA 5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	2,470.75	421.21
33 42 31 00-0056 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	2,631.15	444.54
33 42 31 00-0057 EA 6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	2,744.05	464.36
33 42 31 00-0058 EA 7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	2,904.46	487.69
33 42 31 00-0059 EA 7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,017.35	507.52
33 42 31 00-0060 EA 8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,177.76	530.90
33 42 31 00-0061 VLF >8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	397.19	66.37
33 42 31 00-0062 4'-6" x 4'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0063 EA 3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	1,955.82	347.67
33 42 31 00-0064 EA 3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,078.08	367.32
33 42 31 00-0065 EA 4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,246.81	392.74
33 42 31 00-0066 EA 4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,533.96	434.43
33 42 31 00-0067 EA 5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,712.57	460.75
33 42 31 00-0068 EA 5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,843.73	483.51
33 42 31 00-0069 EA 6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,022.35	509.83
33 42 31 00-0070 EA 6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,153.50	532.66
33 42 31 00-0071 EA 7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,332.12	558.98
33 42 31 00-0072 EA 7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,462.21	581.74
33 42 31 00-0073 EA 8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,641.90	608.06
33 42 31 00-0074 VLF >8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	455.26	76.03
33 42 31 00-0075 5' x 5', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0076 EA 4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin	2,516.35	440.98
33 42 31 00-0077 EA 4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	2,836.21	487.30
33 42 31 00-0078 EA 5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,030.16	516.16
33 42 31 00-0079 EA 5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,175.56	541.47
33 42 31 00-0080 EA 6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,367.38	570.28
33 42 31 00-0081 EA 6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,513.86	595.58
33 42 31 00-0082 EA 7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,706.74	624.44
33 42 31 00-0083 EA 7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,851.08	649.75
33 42 31 00-0084 EA 8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,045.03	678.56
33 42 31 00-0085 VLF >8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	709.91	84.85
33 42 31 00-0086 5'-6" x 5'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0087 EA 4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,798.91	491.76
33 42 31 00-0088 EA 4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,265.37	556.67
33 42 31 00-0089 EA 5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,480.57	588.74
33 42 31 00-0090 EA 5'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,647.25	617.49
33 42 31 00-0091 EA 6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,863.52	649.81
33 42 31 00-0092 EA 6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,031.24	678.56
33 42 31 00-0093 EA 7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,246.46	710.87
33 42 31 00-0094 EA 7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,413.11	739.61
33 42 31 00-0095 EA 8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,628.33	771.93



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 31 00-0096	VLF	>8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	578.55	96.48
33 42 31 00-0097		6' x 6', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0098	EA	4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin	3,096.60	544.91
33 42 31 00-0099	EA	4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	3,610.70	616.14
33 42 31 00-0100	EA	5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	3,841.58	651.04
33 42 31 00-0101	EA	5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,023.90	682.39
33 42 31 00-0102	EA	6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,253.71	717.30
33 42 31 00-0103	EA	6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,437.12	748.65
33 42 31 00-0104	EA	7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,666.92	783.56
33 42 31 00-0105	EA	7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,849.26	814.91
33 42 31 00-0106	EA	8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,080.14	849.82
33 42 31 00-0107	VLF	>8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	635.05	106.25
33 42 31 00-0108		6'-6" x 6'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0109	EA	4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,407.23	600.61
33 42 31 00-0110	EA	4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,114.00	695.85
33 42 31 00-0111	EA	5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,368.28	734.48
33 42 31 00-0112	EA	5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,575.03	769.55
33 42 31 00-0113	EA	6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,829.29	808.13
33 42 31 00-0114	EA	6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,036.04	843.27
33 42 31 00-0115	EA	7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,290.32	881.85
33 42 31 00-0116	EA	7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,497.06	916.92
33 42 31 00-0117	EA	8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,752.39	955.57
33 42 31 00-0118	VLF	>8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	719.02	119.47
33 42 31 00-0119		7' x 7', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0120	EA	4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin	3,732.01	658.73
33 42 31 00-0121	EA	4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	4,505.91	762.66
33 42 31 00-0122	EA	5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	4,776.18	804.02
33 42 31 00-0123	EA	5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	4,997.93	841.75
33 42 31 00-0124	EA	6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	5,269.21	883.04
33 42 31 00-0125	EA	6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	5,490.96	920.82
33 42 31 00-0126	EA	7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	5,761.24	962.11
33 42 31 00-0127	EA	7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	5,984.04	999.90
33 42 31 00-0128	EA	8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,254.27	1,041.19
33 42 31 00-0129	VLF	>8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	781.82	130.14
33 42 31 00-0130		7'-6" x 7'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0131	EA	4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,234.29	739.34
33 42 31 00-0132	EA	4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,913.87	832.20
33 42 31 00-0133	EA	5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,199.09	876.20
33 42 31 00-0134	EA	5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,437.90	916.64
33 42 31 00-0135	EA	6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,724.13	960.65
33 42 31 00-0136	EA	6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,962.95	1,001.09
33 42 31 00-0137	EA	7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,248.16	1,045.09
33 42 31 00-0138	EA	7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,486.98	1,085.54
33 42 31 00-0139	EA	8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,773.27	1,129.54
33 42 31 00-0140	VLF	>8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	846.64	141.21
33 42 31 00-0141		8' x 8', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0142	EA	4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin	4,602.71	804.41
33 42 31 00-0143	EA	4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	5,336.70	904.44
33 42 31 00-0144	EA	5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	5,637.99	951.10
33 42 31 00-0145	EA	5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	5,892.81	994.25
33 42 31 00-0146	EA	6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	6,194.03	1,040.91
33 42 31 00-0147	EA	6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	6,446.71	1,084.07
33 42 31 00-0148	EA	7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	6,750.09	1,130.72
33 42 31 00-0149	EA	7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,004.91	1,173.87
33 42 31 00-0150	EA	8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,301.12	1,220.53
33 42 31 00-0151	VLF	>8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	913.27	152.57
33 42 31 00-0152		Precast Concrete Catch Basins (33 42 31 00-0002)		
		Note: Inside dimensions.		
33 42 31 00-0153		1'-6" Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0154	EA	4' Deep, 1'-6" Diameter Precast Catch Basins	422.39	129.87
33 42 31 00-0155	EA	6' Deep, 1'-6" Diameter Precast Catch Basins	587.11	194.80
33 42 31 00-0156	EA	8' Deep, 1'-6" Diameter Precast Catch Basins	743.62	253.24
33 42 31 00-0157	EA	10' Deep, 1'-6" Diameter Precast Catch Basins	890.80	299.35
33 42 31 00-0158	EA	12' Deep, 1'-6" Diameter Precast Catch Basins	1,096.61	379.86
33 42 31 00-0159	EA	14' Deep, 1'-6" Diameter Precast Catch Basins	1,254.37	438.31
33 42 31 00-0160	VLF	Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins	87.32	29.22



	Utilities	33
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0161 2' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0162 EA 4' Deep, 2' Diameter Precast Catch Basin.....	481.44	144.47
33 42 31 00-0163 EA 6' Deep, 2' Diameter Precast Catch Basin.....	665.47	214.29
33 42 31 00-0164 EA 8' Deep, 2' Diameter Precast Catch Basin.....	839.58	282.46
33 42 31 00-0165 EA 10' Deep, 2' Diameter Precast Catch Basin.....	1,002.58	329.54
33 42 31 00-0166 EA 12' Deep, 2' Diameter Precast Catch Basin.....	1,241.60	422.07
33 42 31 00-0167 EA 14' Deep, 2' Diameter Precast Catch Basin.....	1,418.45	487.01
33 42 31 00-0168 VLF Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin.....	98.77	35.07
33 42 31 00-0169 3' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0170 EA 4' Deep, 3' Diameter Precast Catch Basin.....	636.23	170.45
33 42 31 00-0171 EA 6' Deep, 3' Diameter Precast Catch Basin.....	867.57	251.95
33 42 31 00-0172 EA 8' Deep, 3' Diameter Precast Catch Basin.....	1,089.29	332.79
33 42 31 00-0173 EA 10' Deep, 3' Diameter Precast Catch Basin.....	1,356.63	415.58
33 42 31 00-0174 EA 12' Deep, 3' Diameter Precast Catch Basin.....	1,602.25	495.44
33 42 31 00-0175 EA 14' Deep, 3' Diameter Precast Catch Basin.....	1,839.25	576.62
33 42 31 00-0176 VLF Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin.....	126.47	41.19
33 42 31 00-0177 4' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0178 EA 4' Deep, 4' Diameter Precast Catch Basin.....	770.33	189.60
33 42 31 00-0179 EA 6' Deep, 4' Diameter Precast Catch Basin.....	1,001.34	259.73
33 42 31 00-0180 EA 8' Deep, 4' Diameter Precast Catch Basin.....	1,339.22	389.61
33 42 31 00-0181 EA 10' Deep, 4' Diameter Precast Catch Basin.....	1,671.15	487.01
33 42 31 00-0182 EA 12' Deep, 4' Diameter Precast Catch Basin.....	1,975.09	584.41
33 42 31 00-0183 EA 14' Deep, 4' Diameter Precast Catch Basin.....	2,269.35	681.80
33 42 31 00-0184 VLF Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin.....	155.66	48.70
33 42 31 00-0185 5' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0186 EA 4' Deep, 5' Diameter Precast Catch Basin.....	1,036.86	259.73
33 42 31 00-0187 EA 6' Deep, 5' Diameter Precast Catch Basin.....	1,418.17	389.61
33 42 31 00-0188 EA 8' Deep, 5' Diameter Precast Catch Basin.....	1,801.38	519.47
33 42 31 00-0189 EA 10' Deep, 5' Diameter Precast Catch Basin.....	2,202.54	649.34
33 42 31 00-0190 EA 12' Deep, 5' Diameter Precast Catch Basin.....	2,597.72	779.20
33 42 31 00-0191 EA 14' Deep, 5' Diameter Precast Catch Basin.....	3,023.15	909.08
33 42 31 00-0192 VLF Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin.....	207.10	64.94
33 42 31 00-0193 6' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0194 EA 4' Deep, 6' Diameter Precast Catch Basin.....	1,516.84	389.61
33 42 31 00-0195 EA 6' Deep, 6' Diameter Precast Catch Basin.....	2,054.04	584.41
33 42 31 00-0196 EA 8' Deep, 6' Diameter Precast Catch Basin.....	2,628.95	779.20
33 42 31 00-0197 EA 10' Deep, 6' Diameter Precast Catch Basin.....	3,276.32	974.00
33 42 31 00-0198 EA 12' Deep, 6' Diameter Precast Catch Basin.....	3,903.95	1,168.81
33 42 31 00-0199 EA 14' Deep, 6' Diameter Precast Catch Basin.....	4,516.92	1,363.61
33 42 31 00-0200 VLF Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin.....	308.68	97.40
33 42 31 00-0201 Precast Catch Basins Accessories (33 42 31 00-0152)		
33 42 31 00-0202 EA Single Or Double Wing Slab Top With Throat.....	907.58	422.07
33 42 31 00-0203 EA 4' x 4' Weir Box, Precast Catch Basin.....	422.70	51.95
33 42 31 00-0204 EA 4' Diameter Inlet Round To Square Adapter, Precast Catch Basin.....	236.60	55.19
33 42 31 00-0205 EA 3' Diameter, Up To 6" High, Precast Extension Ring.....	294.59	81.16
For Each Additional Inch In Height, Add	35.56	
33 42 31 00-0206 EA 4' Diameter, Up To 6" High, Precast Extension Ring.....	347.43	97.40
For Each Additional Inch In Height, Add	41.66	
33 42 31 00-0207 EA 5' Diameter, Up To 6" High, Precast Extension Ring.....	405.26	113.64
For Each Additional Inch In Height, Add	48.63	
33 42 31 00-0208 EA 6' Diameter, Up To 6" High, Precast Extension Ring.....	506.52	162.34
For Each Additional Inch In Height, Add	57.39	
33 42 31 00-0209 EA Adjust Existing Catch Basin Inlet Grate To Match Grade.....	389.58	
33 42 31 00-0210 Catch Basin Risers (33 42 31 00-0152)		
33 42 31 00-0211 EA Up To 860 Square Inch, Up To 2" Rise, Catch Basin Riser.....	264.36	
33 42 31 00-0212 EA >860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	296.81	
33 42 31 00-0213 EA >1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	335.43	
33 42 31 00-0214 EA Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	284.82	
33 42 31 00-0215 EA >860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	319.45	
33 42 31 00-0216 EA >1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	362.27	
33 42 31 00-0217 EA Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	315.84	
33 42 31 00-0218 EA >860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	346.53	
33 42 31 00-0219 EA >1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	389.49	
33 42 31 00-0220 Precast Concrete Inlet Boxes (33 42 31 00-0002)		
Note: Inside dimensions.		

33	Utilities
33 40	Stormwater Utilities
33 42	Stormwater Conveyance



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0221	Precast Concrete Inlet Boxes (33 42 31 00-0220)	
33 42 31 00-0222	24" x 24" ID, Precast Concrete Inlet Boxes (33 42 31 00-0221) Note: Yard inlet.	
33 42 31 00-0223	24" x 24" ID, Precast Concrete Inlet Boxes (33 42 31 00-0222)	
33 42 31 00-0224 EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	467.63 45.46
33 42 31 00-0225 EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	549.88 55.19
33 42 31 00-0226 EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	632.16 64.94
33 42 31 00-0227 EA	42" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	715.24 75.08
33 42 31 00-0228	24" x 24" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0222)	
33 42 31 00-0229 EA	6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	117.98
33 42 31 00-0230 EA	12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	190.51
33 42 31 00-0231 EA	18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	269.52
33 42 31 00-0232 EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	348.55
33 42 31 00-0233 EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	427.57
33 42 31 00-0234 EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	506.59
33 42 31 00-0235	22" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0221)	
33 42 31 00-0236	22" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0235)	
33 42 31 00-0237 EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	954.28 127.95
33 42 31 00-0238 EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,074.73 147.93
33 42 31 00-0239 EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,195.16 167.93
33 42 31 00-0240 EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,315.70 187.96
33 42 31 00-0241 EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,436.24 208.00
33 42 31 00-0242 EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,556.77 228.05
33 42 31 00-0243 EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,677.30 248.09
33 42 31 00-0244	22" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0235)	
33 42 31 00-0245 EA	6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	231.20
33 42 31 00-0246 EA	12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	371.52
33 42 31 00-0247 EA	18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	403.71
33 42 31 00-0248 EA	24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	516.62
33 42 31 00-0249 EA	30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	629.55
33 42 31 00-0250 EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	738.61
33 42 31 00-0251 EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	859.06
33 42 31 00-0252 EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	979.49
33 42 31 00-0253 EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,100.03
33 42 31 00-0254 EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,220.56
33 42 31 00-0255 EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,341.10
33 42 31 00-0256 EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,461.63
33 42 31 00-0257	30" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0221)	
33 42 31 00-0258	30" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0257)	
33 42 31 00-0259 EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	928.66 140.73
33 42 31 00-0260 EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,049.43 162.73
33 42 31 00-0261 EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,170.22 184.72
33 42 31 00-0262 EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,291.10 206.76
33 42 31 00-0263 EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,411.98 228.81
33 42 31 00-0264 EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,532.86 250.85
33 42 31 00-0265 EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,653.75 272.90
33 42 31 00-0266	30" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0257)	
33 42 31 00-0267 EA	6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	229.70
33 42 31 00-0268 EA	12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	364.72
33 42 31 00-0269 EA	18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	398.00
33 42 31 00-0270 EA	24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	508.70
33 42 31 00-0271 EA	30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	619.40
33 42 31 00-0272 EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	729.47
33 42 31 00-0273 EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	848.50
33 42 31 00-0274 EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	966.87
33 42 31 00-0275 EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,085.89
33 42 31 00-0276 EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,204.26
33 42 31 00-0277 EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,323.29
33 42 31 00-0278 EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,442.31
33 42 31 00-0279	42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0221)	
33 42 31 00-0280	42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0279)	
33 42 31 00-0281 EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,103.65 153.53
33 42 31 00-0282 EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,245.48 178.48
33 42 31 00-0283 EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,387.29 204.07



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0284 EA 54" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,528.46	229.02
33 42 31 00-0285 EA 60" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,670.28	254.60
33 42 31 00-0286 EA 66" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,812.10	279.56
33 42 31 00-0287 EA 72" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,953.27	304.50
33 42 31 00-0288 42" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0279)		
33 42 31 00-0289 EA 6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	253.34	
33 42 31 00-0290 EA 12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	410.73	
33 42 31 00-0291 EA 18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	444.97	
33 42 31 00-0292 EA 24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	570.47	
33 42 31 00-0293 EA 30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	695.98	
33 42 31 00-0294 EA 36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	821.48	
33 42 31 00-0295 EA 42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	955.62	
33 42 31 00-0296 EA 48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,089.77	
33 42 31 00-0297 EA 54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,223.90	
33 42 31 00-0298 EA 60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,358.05	
33 42 31 00-0299 EA 66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,492.18	
33 42 31 00-0300 EA 72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,626.33	
33 42 31 00-0301 42" x 48" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0279)		
33 42 31 00-0302 EA 42" x 48" ID, Precast Concrete Inlet Box Top Slab.....	626.66	95.96
33 42 31 00-0303 48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0221)		
33 42 31 00-0304 48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0303)		
33 42 31 00-0305 EA 36" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	1,535.93	170.59
33 42 31 00-0306 EA 42" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	1,720.62	198.63
33 42 31 00-0307 EA 48" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	1,905.30	226.67
33 42 31 00-0308 EA 54" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,089.78	254.60
33 42 31 00-0309 EA 60" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,274.27	282.55
33 42 31 00-0310 EA 66" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,458.75	310.49
33 42 31 00-0311 EA 72" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,643.24	338.43
33 42 31 00-0312 48" x 54" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0303)		
33 42 31 00-0313 EA 6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	250.15	
33 42 31 00-0314 EA 12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	395.81	
33 42 31 00-0315 EA 18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	577.74	
33 42 31 00-0316 EA 24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	759.66	
33 42 31 00-0317 EA 30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	930.91	
33 42 31 00-0318 EA 36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,112.83	
33 42 31 00-0319 EA 42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,297.52	
33 42 31 00-0320 EA 48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,482.20	
33 42 31 00-0321 EA 54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,666.69	
33 42 31 00-0322 EA 60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,851.17	
33 42 31 00-0323 EA 66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,035.65	
33 42 31 00-0324 EA 72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,220.14	
33 42 31 00-0325 48" x 54" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0303)		
33 42 31 00-0326 EA 48" x 54" ID, Precast Concrete Inlet Box Top Slab.....	680.80	103.96
33 42 31 00-0327 48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0221)		
33 42 31 00-0328 48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0327)		
33 42 31 00-0329 EA 36" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	1,730.59	214.95
33 42 31 00-0330 EA 42" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	1,934.31	250.86
33 42 31 00-0331 EA 48" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,138.01	286.77
33 42 31 00-0332 EA 54" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,341.33	322.48
33 42 31 00-0333 EA 60" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,544.63	358.20
33 42 31 00-0334 EA 66" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,747.95	393.91
33 42 31 00-0335 EA 72" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,951.27	429.62
33 42 31 00-0336 48" x 66" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0327)		
33 42 31 00-0337 EA 6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	275.18	
33 42 31 00-0338 EA 12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	424.98	
33 42 31 00-0339 EA 18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	628.51	
33 42 31 00-0340 EA 24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	832.04	
33 42 31 00-0341 EA 30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,017.67	
33 42 31 00-0342 EA 36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,221.20	
33 42 31 00-0343 EA 42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,424.91	
33 42 31 00-0344 EA 48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,628.62	
33 42 31 00-0345 EA 54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,831.93	
33 42 31 00-0346 EA 60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,035.24	
33 42 31 00-0347 EA 66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,238.55	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0348 EA 72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	2,441.88	
33 42 31 00-0349 48" x 66" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0327)		
33 42 31 00-0350 EA 48" x 66" ID, Precast Concrete Inlet Box Top Slab	757.23	116.43
33 42 31 00-0351 42" x 102" ID, Precast Concrete Inlet Boxes (33 42 31 00-0221)		
33 42 31 00-0352 42" x 102" ID, Precast Concrete Inlet Boxes (33 42 31 00-0351)		
33 42 31 00-0353 EA 36" Height, 42" x 102" ID, Precast Concrete Inlet Box	2,259.24	289.79
33 42 31 00-0354 EA 42" Height, 42" x 102" ID, Precast Concrete Inlet Box	2,522.99	337.77
33 42 31 00-0355 EA 48" Height, 42" x 102" ID, Precast Concrete Inlet Box	2,786.72	385.11
33 42 31 00-0356 EA 54" Height, 42" x 102" ID, Precast Concrete Inlet Box	3,049.82	433.09
33 42 31 00-0357 EA 60" Height, 42" x 102" ID, Precast Concrete Inlet Box	3,313.56	480.43
33 42 31 00-0358 EA 66" Height, 42" x 102" ID, Precast Concrete Inlet Box	3,576.66	527.77
33 42 31 00-0359 EA 72" Height, 42" x 102" ID, Precast Concrete Inlet Box	3,841.03	575.75
33 42 31 00-0360 42" x 102" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0351)		
33 42 31 00-0361 EA 6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	375.04	
33 42 31 00-0362 EA 12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	572.25	
33 42 31 00-0363 EA 18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	831.52	
33 42 31 00-0364 EA 24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	1,090.77	
33 42 31 00-0365 EA 30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	1,331.49	
33 42 31 00-0366 EA 36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	1,590.75	
33 42 31 00-0367 EA 42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	1,854.50	
33 42 31 00-0368 EA 48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	2,118.23	
33 42 31 00-0369 EA 54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	2,381.33	
33 42 31 00-0370 EA 60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	2,645.07	
33 42 31 00-0371 EA 66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	2,908.17	
33 42 31 00-0372 EA 72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	3,171.90	
33 42 31 00-0373 42" x 102" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0351)		
33 42 31 00-0374 EA 42" x 102" ID, Precast Concrete Inlet Box Top Slab	1,030.81	127.95
33 42 31 00-0375 Frames And Grates For Inlets (33 42 31 00-0220)		
33 42 31 00-0376 Inlet Frames And Grates (33 42 31 00-0375)		
33 42 31 00-0377 EA 24" x 24", Heavy Duty Inlet Grate	214.72	29.61
Note: For type A, B, D, or E inlets.		
33 42 31 00-0378 EA 47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT)	264.72	29.61
Note: For type A, B, D, or E inlets.		
33 42 31 00-0379 EA 47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT)	264.72	29.61
Note: Includes legend: Dump No Waste "Drains To Waterways".		
33 42 31 00-0380 EA Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT)	264.72	29.61
Note: Legend: Dump No Waste "Drains to Waterways"		
33 42 31 00-0381 EA Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362)	291.97	29.61
33 42 31 00-0382 EA Type B Inlet Dirt Plate (US Foundry 5217 BK)	229.10	59.23
33 42 31 00-0383 EA Back Plate For Type B Inlets (Campbell Foundry 2548-1942)	284.69	59.23
33 42 31 00-0384 EA Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4)	340.90	74.03
Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains to Waterways".		
33 42 31 00-0385 EA 1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	295.59	74.03
33 42 31 00-0386 EA 2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	300.86	74.03
33 42 31 00-0387 EA 2-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	306.13	74.03
33 42 31 00-0388 EA 3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	311.40	74.03
33 42 31 00-0389 EA 2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	311.40	74.03
33 42 31 00-0390 EA 2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	316.66	74.03
33 42 31 00-0391 EA 3" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	321.93	74.03
33 42 31 00-0392 EA 2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	474.73	74.03
33 42 31 00-0393 EA 2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	485.27	74.03
33 42 31 00-0394 EA 3" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	495.81	74.03
33 42 31 00-0395 EA 2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701)	319.84	74.03
33 42 31 00-0396 EA 6" Type J Curb Back Piece For Type B And D Inlets (US Foundry 3004J6)	311.40	74.03
33 42 31 00-0397 EA 8" Type J Curb Back Piece For Type B And D Inlets (US Foundry 3004J8)	311.40	74.03
33 42 31 00-0398 EA 6" Type P Curb Back Piece For Type B And D Inlets (US Foundry 3005P6)	306.13	74.03
33 42 31 00-0399 EA 8" Type P Curb Back Piece For Type B And D Inlets (US Foundry 3005P8)	311.40	74.03
33 42 31 00-0400 EA 6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6)	295.59	74.03
33 42 31 00-0401 EA 8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8)	295.59	74.03
33 42 31 00-0402 EA 8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6)	624.62	74.03
33 42 31 00-0403 EA 8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8)	624.62	74.03
33 42 31 00-0404 EA Safety Bars For Type B And D Inlets (General Foundries 5218 SB)	294.58	81.44
33 42 31 00-0405 EA 6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648)	355.70	81.44
Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0406 EA 10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848)	355.70	81.44
Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0407 EA 10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048)	367.29	81.44
Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		



	Utilities	33
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0408 EA Type B Inlet Frame (US Foundry 5216 FRM)	424.20	81.44
33 42 31 00-0409 EA Type D Inlet Frame (US Foundry 2999 FRM)	389.42	81.44
33 42 31 00-0410 EA Type B Inlet Frame (Campbell Foundry 2618-0202)	439.93	81.44
33 42 31 00-0411 EA Type D Inlet Frame (Campbell Foundry 2617-0002)	417.76	81.44
33 42 31 00-0412 EA Type A Inlet, Single Frame And Grate (US Foundry 52340)	620.47	118.45
33 42 31 00-0413 EA Type E Inlet, Single Frame And Grate (US Foundry 52342)	969.27	118.45
33 42 31 00-0414 EA Type A Inlet, Single Frame And Grate (General Foundries 52340)	624.79	118.45
33 42 31 00-0415 EA Type E Inlet, Double Frame And Grate (General Foundries 52342)	997.17	118.45
33 42 31 00-0416 EA Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340)	1,050.83	177.66
33 42 31 00-0417 EA Heavy Duty Rectangular Frame And Grate (Campbell Foundry 3084)	1,083.33	236.89
33 42 31 00-0418 EA 6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186)	1,153.47	236.89
33 42 31 00-0419 EA 8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198)	1,153.47	236.89
33 42 31 00-0420 EA 6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266)	1,013.32	236.89
33 42 31 00-0421 EA 8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268)	1,013.32	236.89
33 42 31 00-0422 EA Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198)	1,207.46	236.89
33 42 31 00-0423 Concrete Drainage Inlet Structures (CALTRANS) (33 42 31 00-0001)		
33 42 31 00-0424 Type OS Concrete Drainage Inlet Structure (33 42 31 00-0423)		
33 42 31 00-0425 EA 3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	1,650.40	
33 42 31 00-0426 EA 4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	1,918.02	
33 42 31 00-0427 EA 5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,166.75	
33 42 31 00-0428 EA 6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,396.58	
33 42 31 00-0429 EA 7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,607.51	
33 42 31 00-0430 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,799.54	
33 42 31 00-0431 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	3,809.37	
33 42 31 00-0432 EA 10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	4,441.77	
33 42 31 00-0433 EA 12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	5,025.84	
33 42 31 00-0434 EA 14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	5,562.91	
33 42 31 00-0435 EA 16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	6,080.86	
33 42 31 00-0436 EA 18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	6,557.68	
33 42 31 00-0437 EA 20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	6,993.38	
33 42 31 00-0438 Type OL-7 Concrete Drainage Inlet Structure (33 42 31 00-0423)		
33 42 31 00-0439 EA 3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,247.35	
33 42 31 00-0440 EA 4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,497.71	
33 42 31 00-0441 EA 5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,729.16	
33 42 31 00-0442 EA 6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,941.70	
33 42 31 00-0443 EA 7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,134.71	
33 42 31 00-0444 EA 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,309.45	
33 42 31 00-0445 EA 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,289.30	
33 42 31 00-0446 EA 10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,906.99	
33 42 31 00-0447 EA 12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,476.37	
33 42 31 00-0448 EA 14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,998.10	
33 42 31 00-0449 EA 16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,503.37	
33 42 31 00-0450 EA 18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,967.53	
33 42 31 00-0451 EA 20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,390.57	
33 42 31 00-0452 Type OL-10 Concrete Drainage Inlet Structure (33 42 31 00-0423)		
33 42 31 00-0453 EA 3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,797.49	
33 42 31 00-0454 EA 4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,032.05	
33 42 31 00-0455 EA 5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,247.07	
33 42 31 00-0456 EA 6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,443.84	
33 42 31 00-0457 EA 7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,621.05	
33 42 31 00-0458 EA 8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,779.38	
33 42 31 00-0459 EA 8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,769.21	
33 42 31 00-0460 EA 10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,371.57	
33 42 31 00-0461 EA 12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,926.91	
33 42 31 00-0462 EA 14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,433.92	
33 42 31 00-0463 EA 16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,925.89	
33 42 31 00-0464 EA 18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,377.39	
33 42 31 00-0465 EA 20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,787.12	
33 42 31 00-0466 Type OL-14 Concrete Drainage Inlet Structure (33 42 31 00-0423)		
33 42 31 00-0467 EA 3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,581.73	
33 42 31 00-0468 EA 4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,793.03	
33 42 31 00-0469 EA 5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,985.44	
33 42 31 00-0470 EA 6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,158.94	
33 42 31 00-0471 EA 7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,313.56	
33 42 31 00-0472 EA 8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,449.28	
33 42 31 00-0473 EA 8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,449.11	
33 42 31 00-0474 EA 10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,030.58	
33 42 31 00-0475 EA 12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,564.40	
33 42 31 00-0476 EA 14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,050.54	
33 42 31 00-0477 EA 16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,525.17	
33 42 31 00-0478 EA 18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,958.01	
33 42 31 00-0479 EA 20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,349.75	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0480			Type OL-21 Concrete Drainage Inlet Structure (33 42 31 00-0423)		
	33 42 31 00-0481	EA	3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,173.60	
	33 42 31 00-0482	EA	4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,338.62	
	33 42 31 00-0483	EA	5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,484.73	
	33 42 31 00-0484	EA	6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,611.95	
	33 42 31 00-0485	EA	7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,719.62	
	33 42 31 00-0486	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,809.04	
	33 42 31 00-0487	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,778.89	
	33 42 31 00-0488	EA	10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,319.25	
	33 42 31 00-0489	EA	12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,811.96	
	33 42 31 00-0490	EA	14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,257.00	
	33 42 31 00-0491	EA	16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,696.12	
	33 42 31 00-0492	EA	18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,093.49	
	33 42 31 00-0493	EA	20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,449.73	
33 42 31 00-0494			Type GOL-7 Concrete Drainage Inlet Structure (33 42 31 00-0423)		
	33 42 31 00-0495	EA	3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,727.25	
	33 42 31 00-0496	EA	4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,003.65	
	33 42 31 00-0497	EA	5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,258.36	
	33 42 31 00-0498	EA	6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,491.39	
	33 42 31 00-0499	EA	7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,703.39	
	33 42 31 00-0500	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,894.36	
	33 42 31 00-0501	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,959.18	
	33 42 31 00-0502	EA	10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,647.18	
	33 42 31 00-0503	EA	12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,281.59	
	33 42 31 00-0504	EA	14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,861.75	
	33 42 31 00-0505	EA	16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,424.63	
	33 42 31 00-0506	EA	18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,941.26	
	33 42 31 00-0507	EA	20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,411.00	
33 42 31 00-0508			Type GOL-10 Concrete Drainage Inlet Structure (33 42 31 00-0423)		
	33 42 31 00-0509	EA	3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,324.21	
	33 42 31 00-0510	EA	4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,582.68	
	33 42 31 00-0511	EA	5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,820.11	
	33 42 31 00-0512	EA	6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,036.51	
	33 42 31 00-0513	EA	7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,231.23	
	33 42 31 00-0514	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,404.28	
	33 42 31 00-0515	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,469.10	
	33 42 31 00-0516	EA	10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,141.12	
	33 42 31 00-0517	EA	12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,759.55	
	33 42 31 00-0518	EA	14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,324.38	
	33 42 31 00-0519	EA	16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,873.44	
	33 42 31 00-0520	EA	18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,376.25	
	33 42 31 00-0521	EA	20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,832.81	
33 42 31 00-0522			Type G-1 Concrete Drainage Inlet Structure (33 42 31 00-0423)		
	33 42 31 00-0523	EA	3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,111.97	
	33 42 31 00-0524	EA	4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,329.80	
	33 42 31 00-0525	EA	5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,531.85	
	33 42 31 00-0526	EA	6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,719.38	
	33 42 31 00-0527	EA	7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,892.42	
	33 42 31 00-0528	EA	8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,049.66	
33 42 31 00-0529			Type G-2 Concrete Drainage Inlet Structure (33 42 31 00-0423)		
	33 42 31 00-0530	EA	3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,533.35	
	33 42 31 00-0531	EA	4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,778.28	
	33 42 31 00-0532	EA	5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,005.93	
	33 42 31 00-0533	EA	6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,216.30	
	33 42 31 00-0534	EA	7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,409.40	
	33 42 31 00-0535	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,584.57	
	33 42 31 00-0536	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	3,499.43	
	33 42 31 00-0537	EA	10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,082.90	
	33 42 31 00-0538	EA	12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,622.54	
	33 42 31 00-0539	EA	14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,118.36	
	33 42 31 00-0540	EA	16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,596.57	
	33 42 31 00-0541	EA	18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,036.98	
	33 42 31 00-0542	EA	20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,438.97	
33 42 31 00-0543			Type G-3 Concrete Drainage Inlet Structure (33 42 31 00-0423)		
	33 42 31 00-0544	EA	3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,205.60	
	33 42 31 00-0545	EA	4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,420.46	
	33 42 31 00-0546	EA	5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,620.15	
	33 42 31 00-0547	EA	6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,805.35	



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	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0548 EA 7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,974.75	
33 42 31 00-0549 EA 8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,129.65	
33 42 31 00-0550 Type G-4_24 Concrete Drainage Inlet Structure (33 42 31 00-0423)		
33 42 31 00-0551 EA 3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,486.53	
33 42 31 00-0552 EA 4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,732.96	
33 42 31 00-0553 EA 5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,962.11	
33 42 31 00-0554 EA 6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,173.32	
33 42 31 00-0555 EA 7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,367.92	
33 42 31 00-0556 EA 8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,544.58	
33 42 31 00-0557 EA 8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	3,479.43	
33 42 31 00-0558 EA 10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,063.97	
33 42 31 00-0559 EA 12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,604.03	
33 42 31 00-0560 EA 14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,100.28	
33 42 31 00-0561 EA 16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,578.83	
33 42 31 00-0562 EA 18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,019.59	
33 42 31 00-0563 EA 20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,422.55	
33 42 31 00-0564 Type G-4_18 Concrete Drainage Inlet Structure (33 42 31 00-0423)		
33 42 31 00-0565 EA 3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,533.35	
33 42 31 00-0566 EA 4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,778.28	
33 42 31 00-0567 EA 5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,005.93	
33 42 31 00-0568 EA 6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,216.30	
33 42 31 00-0569 EA 7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,409.40	
33 42 31 00-0570 EA 8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,584.57	
33 42 31 00-0571 EA 8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	3,499.43	
33 42 31 00-0572 EA 10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,082.90	
33 42 31 00-0573 EA 12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,622.54	
33 42 31 00-0574 EA 14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,118.36	
33 42 31 00-0575 EA 16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,596.57	
33 42 31 00-0576 EA 18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,036.98	
33 42 31 00-0577 EA 20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,438.97	
33 42 31 00-0578 Type G-5 Concrete Drainage Inlet Structure (33 42 31 00-0423)		
33 42 31 00-0579 EA 3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,193.91	
33 42 31 00-0580 EA 4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,408.97	
33 42 31 00-0581 EA 5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,609.51	
33 42 31 00-0582 EA 6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,794.29	
33 42 31 00-0583 EA 7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,964.54	
33 42 31 00-0584 EA 8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,119.65	
33 42 31 00-0585 Type G-6 Concrete Drainage Inlet Structure (33 42 31 00-0423)		
33 42 31 00-0586 EA 3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,217.32	
33 42 31 00-0587 EA 4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,431.95	
33 42 31 00-0588 EA 5' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,631.44	
33 42 31 00-0589 EA 6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,815.77	
33 42 31 00-0590 EA 7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,984.96	
33 42 31 00-0591 EA 8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,139.64	
33 42 31 00-0592 Type GT1 Concrete Drainage Inlet Structure (33 42 31 00-0423)		
33 42 31 00-0593 EA 3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,036.67	
33 42 31 00-0594 EA 4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,372.58	
33 42 31 00-0595 EA 5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,708.16	
33 42 31 00-0596 EA 6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,973.62	
33 42 31 00-0597 EA 7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,238.09	
33 42 31 00-0598 EA 8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,479.43	
33 42 31 00-0599 Type GT2 Concrete Drainage Inlet Structure (33 42 31 00-0423)		
33 42 31 00-0600 EA 3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,469.76	
33 42 31 00-0601 EA 4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,835.49	
33 42 31 00-0602 EA 5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,174.57	
33 42 31 00-0603 EA 6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,487.61	
33 42 31 00-0604 EA 7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,773.98	
33 42 31 00-0605 EA 8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,034.33	
33 42 31 00-0606 EA 8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,399.10	
33 42 31 00-0607 EA 10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,259.35	
33 42 31 00-0608 EA 12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,053.97	
33 42 31 00-0609 EA 14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,783.65	
33 42 31 00-0610 EA 16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,488.48	
33 42 31 00-0611 EA 18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,136.67	
33 42 31 00-0612 EA 20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,728.22	
33 42 31 00-0613 Type GT3 Concrete Drainage Inlet Structure (33 42 31 00-0423)		

33	Utilities
33 40	Stormwater Utilities
33 42	Stormwater Conveyance



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CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 31 00-0614	EA	3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,024.96	
33 42 31 00-0615	EA	4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,361.08	
33 42 31 00-0616	EA	5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,674.04	
33 42 31 00-0617	EA	6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,963.19	
33 42 31 00-0618	EA	7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,227.89	
33 42 31 00-0619	EA	8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,469.43	

33 42 31 00-0620 Type GT4 Concrete Drainage Inlet Structure (33 42 31 00-0423)

33 42 31 00-0621	EA	3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,551.69	
33 42 31 00-0622	EA	4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,914.64	
33 42 31 00-0623	EA	5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,251.58	
33 42 31 00-0624	EA	6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,561.86	
33 42 31 00-0625	EA	7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,846.09	
33 42 31 00-0626	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,104.33	
33 42 31 00-0627	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,409.11	
33 42 31 00-0628	EA	10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,269.13	
33 42 31 00-0629	EA	12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,063.56	
33 42 31 00-0630	EA	14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,792.36	
33 42 31 00-0631	EA	16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,497.03	
33 42 31 00-0632	EA	18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,145.06	
33 42 31 00-0633	EA	20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,736.44	

33 42 31 00-0634 Type GO Concrete Drainage Inlet Structure (33 42 31 00-0423)

33 42 31 00-0635	EA	3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	1,451.42	
33 42 31 00-0636	EA	4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	1,687.63	
33 42 31 00-0637	EA	5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	1,907.00	
33 42 31 00-0638	EA	6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,109.49	
33 42 31 00-0639	EA	7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,295.15	
33 42 31 00-0640	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,464.60	
33 42 31 00-0641	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	3,389.44	
33 42 31 00-0642	EA	10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	3,955.53	
33 42 31 00-0643	EA	12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	4,478.07	
33 42 31 00-0644	EA	14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	4,958.36	
33 42 31 00-0645	EA	16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,422.43	
33 42 31 00-0646	EA	18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,848.81	
33 42 31 00-0647	EA	20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,238.80	

33 42 31 00-0648 Type GDO Concrete Drainage Inlet Structure (33 42 31 00-0423)

33 42 31 00-0649	EA	3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	1,896.20	
33 42 31 00-0650	EA	4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,206.71	
33 42 31 00-0651	EA	5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,495.17	
33 42 31 00-0652	EA	6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,762.20	
33 42 31 00-0653	EA	7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,006.54	
33 42 31 00-0654	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,229.46	
33 42 31 00-0655	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	4,359.29	
33 42 31 00-0656	EA	10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,088.91	
33 42 31 00-0657	EA	12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,763.29	
33 42 31 00-0658	EA	14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,383.05	
33 42 31 00-0659	EA	16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,981.08	
33 42 31 00-0660	EA	18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,531.41	
33 42 31 00-0661	EA	20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,034.03	

33 42 31 00-0662 Catch Basin Frames And Covers (33 42 31 00-0001)

33 42 31 00-0663 Cast Iron Frames And Covers (33 42 31 00-0662)

33 42 31 00-0664	EA	18" Diameter Cast Iron Catch Basin Frame And Cover	244.13	64.94
33 42 31 00-0665	EA	22" Diameter Cast Iron Catch Basin Frame And Cover	298.36	73.37
33 42 31 00-0666	EA	24" Diameter Cast Iron Catch Basin Frame And Cover	328.78	75.98
33 42 31 00-0667	EA	26" Diameter Cast Iron Catch Basin Frame And Cover	366.98	88.31
33 42 31 00-0668	EA	28" Diameter Cast Iron Catch Basin Frame And Cover	418.54	100.65
33 42 31 00-0669	EA	32" Diameter Cast Iron Catch Basin Frame And Cover	624.80	105.19
33 42 31 00-0670	EA	16" x 16" Cast Iron Catch Basin Frame And Cover	354.87	79.87
33 42 31 00-0671	EA	18" x 24" Cast Iron Catch Basin Frame And Cover	449.35	92.20
33 42 31 00-0672	EA	20" x 27" Cast Iron Catch Basin Frame And Cover	499.42	96.10
33 42 31 00-0673	EA	23" x 23" Cast Iron Catch Basin Frame And Cover	477.62	96.10
33 42 31 00-0674	EA	24" x 24" Cast Iron Catch Basin Frame And Cover	494.50	100.00
33 42 31 00-0675	EA	26" x 26" Cast Iron Catch Basin Frame And Cover	527.35	103.89
33 42 31 00-0676	EA	24" x 36" Cast Iron Catch Basin Frame And Cover	619.84	111.69

33 42 31 00-0677 Area Yard Drain (33 42 31 00-0001)

33 42 31 00-0678 Ductile Iron Grates (33 42 31 00-0677)

Note: Not for traffic loading.

33 42 31 00-0679	EA	8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe	86.92	22.22
33 42 31 00-0680	EA	10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe	105.52	23.69
33 42 31 00-0681	EA	12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	238.04	29.62



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Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0682 EA 15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe.....	284.46	35.55
33 42 33 Stormwater Curbside Drains and Inlets (33 42)		
33 42 33 00-0001 Curb Inlet Frames And Covers (33 42 33)		
33 42 33 00-0002 Cast Iron Curb Inlet Frames And Covers (33 42 33 00-0001)		
33 42 33 00-0003 EA 20" x 22" Cast Iron Curb Inlet Frame And Cover	428.70	75.98
33 42 33 00-0004 EA 22" x 24" Cast Iron Curb Inlet Frame And Cover	460.42	88.31
33 42 33 00-0005 EA 24" x 24" Cast Iron Curb Inlet Frame And Cover	474.70	88.31
33 42 33 00-0006 EA 27" x 27" Cast Iron Curb Inlet Frame And Cover	520.34	103.89
33 42 33 00-0007 EA 36" x 24" Cast Iron Curb Inlet Frame And Cover	520.29	111.03
33 42 36 Stormwater Trench Drains (33 42)		
33 42 36 00-0001 Modular Trench Drains (33 42 36) See CSI section 03 31 13 00-0011 for concrete.		
33 42 36 00-0002 Modular Trench Drains (33 42 36 00-0001) Note: Excludes grates. See CSI section 33 42 36 00-0110 for grates.		
33 42 36 00-0003 6" Wide, Modular Trench Drains (33 42 36 00-0002)		
33 42 36 00-0004 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0003)		
33 42 36 00-0005 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0004)		
33 42 36 00-0006 LF 6" Wide, High Density Polyethylene, Modular Trench Drain	71.83	10.39
For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	29.64	
For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	59.29	
For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	94.86	
For Type 304 Stainless Steel Top Veneer Frame, Add	23.72	
For Aluminum Veneer Bronze Anodized Frame, Add	11.86	
33 42 36 00-0007 Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0004)		
33 42 36 00-0008 EA Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	34.33	
33 42 36 00-0009 EA No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	40.82	
33 42 36 00-0010 EA No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	40.82	
33 42 36 00-0011 Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0004)		
33 42 36 00-0012 EA Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	58.36	
33 42 36 00-0013 EA Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	58.36	
33 42 36 00-0014 EA 90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	269.62	
33 42 36 00-0015 EA Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	506.78	
33 42 36 00-0016 EA Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	59.29	
33 42 36 00-0017 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0003)		
33 42 36 00-0018 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0017)		
33 42 36 00-0019 LF 6" Wide, Fiber Reinforced Polyester, Modular Trench Drain	99.69	10.39
For Black Acid Resistant Coated Frame, Add	22.53	
For Galvanized Top Frame Assembly, Add	22.53	
For Type 304 Stainless Steel Top Frame Assembly, Add	83.01	
33 42 36 00-0020 Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0017)		
33 42 36 00-0021 EA Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	36.71	
33 42 36 00-0022 EA No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	43.20	
33 42 36 00-0023 EA No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	43.20	
33 42 36 00-0024 Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0017)		
33 42 36 00-0025 EA Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	58.36	
33 42 36 00-0026 EA Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	58.36	
33 42 36 00-0027 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	269.62	
33 42 36 00-0028 EA Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	506.78	
33 42 36 00-0029 EA Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	59.29	
33 42 36 00-0030 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0003)		
33 42 36 00-0031 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0030)		

33	Utilities
33 40	Stormwater Utilities
33 42	Stormwater Conveyance



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0032 LF 6" Wide, Vinylester Fiberglass, Modular Trench Drain..... <i>For Black Acid Resistant Coated Frame, Add</i> <i>For Galvanized Top Frame Assembly, Add</i> <i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	125.78 22.53 22.53 83.01	10.39
33 42 36 00-0033 Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains <i>(33 42 36 00-0033)</i>		
33 42 36 00-0034 EA Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	55.68	
33 42 36 00-0035 EA No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	62.17	
33 42 36 00-0036 EA No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	62.17	
33 42 36 00-0037 Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains <i>(33 42 36 00-0037)</i>		
33 42 36 00-0038 EA Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	58.36	
33 42 36 00-0039 EA Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	58.36	
33 42 36 00-0040 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	269.62	
33 42 36 00-0041 EA Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	506.78	
33 42 36 00-0042 EA Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	59.29	
33 42 36 00-0043 6" Wide, Polymer Concrete, Modular Trench Drains <i>(33 42 36 00-0043)</i>		
33 42 36 00-0044 6" Wide, Polymer Concrete, Modular Trench Drains <i>(33 42 36 00-0044)</i>		
33 42 36 00-0045 LF 6" Wide, Polymer Concrete, Modular Trench Drain	242.74	
33 42 36 00-0046 Outlet Adapters For 6" Wide, Polymer Concrete, Modular Trench Drains <i>(33 42 36 00-0046)</i>		
33 42 36 00-0047 EA Closed End Cap For 6" Wide, Polymer Concrete, Modular Trench Drain	96.85	
33 42 36 00-0048 EA No-Hub End Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain.....	118.48	
33 42 36 00-0049 EA No-Hub Bottom Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain.....	39.28	
33 42 36 00-0050 12" Wide, Modular Trench Drains <i>(33 42 36 00-0050)</i>		
33 42 36 00-0051 12" Wide, High Density Polyethylene, Modular Trench Drains <i>(33 42 36 00-0051)</i>		
33 42 36 00-0052 12" Wide, High Density Polyethylene, Modular Trench Drains <i>(33 42 36 00-0052)</i>		
33 42 36 00-0053 LF 12" Wide, High Density Polyethylene, Modular Trench Drain	129.36 30.83 32.31 184.98	14.28
<i>For Acid Resistant Coated Top Frame, Add</i> <i>For Galvanized Welded Frame Assembly, Add</i> <i>For Type 304 Stainless Steel Top Frame, Add</i>		
33 42 36 00-0054 Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains <i>(33 42 36 00-0054)</i>		
33 42 36 00-0055 EA End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	65.94	
33 42 36 00-0056 EA No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	74.59	
33 42 36 00-0057 EA No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	74.59	
33 42 36 00-0058 Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains <i>(33 42 36 00-0058)</i>		
33 42 36 00-0059 EA Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	102.26	
33 42 36 00-0060 EA Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains	131.90	
33 42 36 00-0061 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	524.27	
33 42 36 00-0062 EA Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	998.59	
33 42 36 00-0063 EA Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains	118.58	
33 42 36 00-0064 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <i>(33 42 36 00-0064)</i>		
33 42 36 00-0065 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <i>(33 42 36 00-0065)</i>		
33 42 36 00-0066 LF 12" Wide, Fiber Reinforced Polyester, Modular Trench Drain.....	159.01 30.83 32.31 184.98	14.28
<i>For Acid Resistant Coated Top Frame, Add</i> <i>For Galvanized Welded Frame Assembly, Add</i> <i>For Type 304 Stainless Steel Top Frame, Add</i>		
33 42 36 00-0067 Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <i>(33 42 36 00-0067)</i>		
33 42 36 00-0068 EA End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	68.31	
33 42 36 00-0069 EA No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	76.96	
33 42 36 00-0070 EA No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	76.96	
33 42 36 00-0071 Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <i>(33 42 36 00-0071)</i>		
33 42 36 00-0072 EA Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	102.26	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0073 EA Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	131.90	
33 42 36 00-0074 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	524.27	
33 42 36 00-0075 EA Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	998.59	
33 42 36 00-0076 EA Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	118.58	
33 42 36 00-0077 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0050)		
33 42 36 00-0078 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0077)		
33 42 36 00-0079 LF 12" Wide, Vinylester Fiberglass, Modular Trench Drain.....	218.30	14.28
<i>For Acid Resistant Coated Top Frame, Add</i>	30.83	
<i>For Galvanized Welded Frame Assembly, Add</i>	32.31	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	184.98	
33 42 36 00-0080 Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0077)		
33 42 36 00-0081 EA End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	157.24	
33 42 36 00-0082 EA No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	165.89	
33 42 36 00-0083 EA No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	165.89	
33 42 36 00-0084 Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0077)		
33 42 36 00-0085 EA Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	102.26	
33 42 36 00-0086 EA Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	131.90	
33 42 36 00-0087 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	524.27	
33 42 36 00-0088 EA Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	998.59	
33 42 36 00-0089 EA Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	118.58	
33 42 36 00-0090 12" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0050)		
33 42 36 00-0091 12" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0090)		
33 42 36 00-0092 LF 12" Wide, Polymer Concrete, Modular Trench Drain	325.56	
33 42 36 00-0093 Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0090)		
33 42 36 00-0094 EA Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain.....	164.10	
33 42 36 00-0095 EA No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain.....	282.22	
33 42 36 00-0096 EA No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain.....	67.85	
33 42 36 00-0097 23" Wide, Modular Trench Drains (33 42 36 00-0002)		
33 42 36 00-0098 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0097)		
33 42 36 00-0099 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0098)		
33 42 36 00-0100 LF 23" Wide, High Density Polyethylene, Modular Trench Drain	180.39	19.48
<i>For Acid Resistant Coated Frame, Add</i>	46.25	
<i>For Galvanized Frame Assembly, Add</i>	46.25	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	284.59	
33 42 36 00-0101 Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0098)		
33 42 36 00-0102 EA End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains	193.85	
33 42 36 00-0103 EA No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	294.88	
33 42 36 00-0104 EA No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	294.88	
33 42 36 00-0105 Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0098)		
33 42 36 00-0106 EA Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	227.00	
33 42 36 00-0107 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	1,029.79	
33 42 36 00-0108 EA Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	1,978.43	
33 42 36 00-0109 EA Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains	237.16	
33 42 36 00-0110 Modular Trench Drain Grates (33 42 36 00-0001)		
33 42 36 00-0111 6" Wide, Modular Trench Drain Grates (33 42 36 00-0110)		
33 42 36 00-0112 LF 6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	60.17	1.94
33 42 36 00-0113 LF 6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	51.22	1.94
33 42 36 00-0114 LF 6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	53.71	1.94
33 42 36 00-0115 LF 6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	47.12	1.94
33 42 36 00-0116 LF 6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	50.68	1.94
33 42 36 00-0117 LF 6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate.....	51.27	1.94
33 42 36 00-0118 LF 6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate	51.27	1.94
33 42 36 00-0119 LF 6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate	50.68	1.94
33 42 36 00-0120 LF 6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate.....	44.75	1.94

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0121 LF 6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	44.75	1.94
33 42 36 00-0122 LF 6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate.....	47.48	1.94
33 42 36 00-0123 LF 6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate.....	47.48	1.94
33 42 36 00-0124 LF 6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	61.35	1.94
33 42 36 00-0125 LF 6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate.....	61.35	1.94
33 42 36 00-0126 LF 6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	111.16	1.94
33 42 36 00-0127 LF 6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	111.16	1.94
33 42 36 00-0128 LF 6" Wide, Stainless Steel Bar, Modular Trench Drain Grate.....	306.81	1.94
33 42 36 00-0129 LF 6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate.....	42.38	1.94
33 42 36 00-0130 LF 6" Wide, Fiberglass, Modular Trench Drain Grate	89.81	1.94
33 42 36 00-0131 12" Wide, Modular Trench Drain Grates (33 42 36 00-0110)		
33 42 36 00-0132 LF 12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate.....	163.65	2.11
33 42 36 00-0133 LF 12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	156.54	2.11
33 42 36 00-0134 LF 12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	136.38	2.11
33 42 36 00-0135 LF 12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate.....	143.20	2.11
33 42 36 00-0136 LF 12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	123.93	2.11
33 42 36 00-0137 LF 12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate.....	241.03	2.11
33 42 36 00-0138 LF 12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	241.03	2.11
33 42 36 00-0139 LF 12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	307.13	2.11
33 42 36 00-0140 LF 12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate.....	307.13	2.11
33 42 36 00-0141 LF 12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	391.62	2.11
33 42 36 00-0142 LF 12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	391.62	2.11
33 42 36 00-0143 LF 12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate	371.76	2.11
33 42 36 00-0144 LF 12" Wide, Fiberglass, Modular Trench Drain Grate	176.40	2.11
33 42 36 00-0145 23" Wide, Modular Trench Drain Grates (33 42 36 00-0110)		
33 42 36 00-0146 LF 23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	257.66	2.27
33 42 36 00-0147 LF 23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	217.34	2.27
33 42 36 00-0148 LF 23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	335.92	2.27
33 42 36 00-0149 LF 23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate.....	249.36	2.27
33 44 Storm Utility Water Drains (33 40)		
33 44 36 Oil and Stormwater Separators (33 44)		
33 44 36 00-0001 Oil/Water Separator (33 44 36)		
Note: Complete with internal sensors and detectors.		
33 44 36 00-0002 Coalescing Oil Water Separator (33 44 36 00-0001)		
Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.		
33 44 36 00-0003 Single Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)		
33 44 36 00-0004 EA 550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	10,870.29	
Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.		
For Interior Polyurethane Coating, Add	711.00	
33 44 36 00-0005 EA 1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	12,952.79	
Note: HTC-G 1000. 4' diameter x 14' long tank.		
For Interior Polyurethane Coating, Add	893.70	
33 44 36 00-0006 EA 2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	15,194.72	
Note: HTC-G 2000. 5'-4" diameter x 15' long tank.		
For Interior Polyurethane Coating, Add	1,340.10	
33 44 36 00-0007 Double Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)		
33 44 36 00-0008 EA 550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways.....	16,023.49	
Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.		
For Interior Polyurethane Coating, Add	711.00	
33 44 36 00-0009 EA 1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways.....	18,191.60	
Note: HTC-G 1000. 4' diameter x 14' long tank.		
For Interior Polyurethane Coating, Add	893.70	
33 44 36 00-0010 EA 2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways.....	21,883.10	
Note: HTC-G 2000. 5'-4" diameter x 15' long tank.		
For Interior Polyurethane Coating, Add	1,340.10	
33 44 36 00-0011 EA 3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways.....	25,225.21	
Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.		
For Interior Polyurethane Coating, Add	1,550.70	
33 44 36 00-0012 EA 5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways.....	32,826.59	
Note: HTC-G 5000. 6' diameter x 28'-8" long tank.		
For Interior Polyurethane Coating, Add	2,057.80	
33 44 36 00-0013 Accessories For Coalescing Oil Water Separators (33 44 36 00-0002)		
33 44 36 00-0014 EA Single Channel Alarm Panel For Coalescing Oil Water Separator.....	608.23	
Note: HTAP1.		
33 44 36 00-0015 EA Two Channel Alarm Panel For Coalescing Oil Water Separator.....	825.27	
Note: HTAP2.		



Utilities	33	CS
Stormwater Utilities	33 40	
Storm Utility Water Drains	33 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 36 00-0016 EA Float Interface Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	486.09	
33 44 36 00-0017 EA 1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	361.31	
33 44 36 00-0018 EA Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	127.34	
33 44 36 00-0019 EA 550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	2,050.54	
33 44 36 00-0020 EA 3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	4,101.08	
33 44 36 00-0021 EA 5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	6,151.68	
33 44 36 00-0022 EA 550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	376.41	
33 44 36 00-0023 EA 2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	442.97	
33 44 36 00-0024 EA 3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	885.94	
33 44 36 00-0025 EA 5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	1,952.82	
33 44 36 00-0026 EA 30" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	532.39	
33 44 36 00-0027 EA 36" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	692.27	
33 44 36 00-0028 EA 48" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	956.14	
33 44 36 00-0029 EA 54" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,733.96	
33 44 36 00-0030 EA 66" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	2,226.85	
33 44 36 00-0031 EA 66" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	2,792.53	
33 44 36 00-0032 EA 78" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	3,518.36	
33 44 36 00-0033 EA 550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	693.59	
33 44 36 00-0034 EA 1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	845.41	
33 44 36 00-0035 EA 2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,327.90	
33 44 36 00-0036 EA 550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	661.35	
33 44 36 00-0037 EA 1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	802.77	
33 44 36 00-0038 EA 2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	952.51	
33 44 36 00-0039 EA 18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	56.15	
33 44 36 00-0040 EA 24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	63.43	
33 44 36 00-0041 Oil Skimmers (33 44 36)		
33 44 36 00-0042 Oil Skimmers, 12" And 24" Models (33 44 36 00-0041)		
33 44 36 00-0043 EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	4,451.54	388.65
33 44 36 00-0044 EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	4,676.62	388.65
33 44 36 00-0045 EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	4,472.38	388.65
33 44 36 00-0046 EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	4,761.02	388.65
33 44 36 00-0047 EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	4,708.92	388.65
33 44 36 00-0048 EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	4,899.61	388.65
33 44 36 00-0049 EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	4,757.90	388.65
33 44 36 00-0050 EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	5,045.50	388.65
33 44 36 00-0051 EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	4,952.55	518.30
33 44 36 00-0052 EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	5,193.26	518.30
33 44 36 00-0053 EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	5,016.11	518.30
33 44 36 00-0054 EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	5,362.07	518.30
33 44 36 00-0055 EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	5,561.10	518.30
33 44 36 00-0056 EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	5,801.81	518.30
33 44 36 00-0057 EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	5,612.16	518.30
33 44 36 00-0058 EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	5,959.16	518.30
33 44 36 00-0059 Oil Skimmers, Add-Ons (33 44 36 00-0041)		
33 44 36 00-0060 LF Add For Belt Projection, 12" Width.....	15.63	
33 44 36 00-0061 LF Add For Belt Projection, 24" Width.....	29.18	
33 44 36 00-0062 LF Add For Spacer Stands, 12" Models.....	218.98	
33 44 36 00-0063 LF Add For Spacer Stands, 24" Models.....	264.83	
33 46 Stormwater Management (33 40)		
33 46 51 Stormwater Leaching Pits (33 46)		
33 46 51 00-0001 Drainage Wells (33 46 51)		
33 46 51 00-0002 LF 12" Diameter Drainage Well With Corrugated Metal Liner.....	18.44	
33 46 51 00-0003 LF 18" Diameter Drainage Well With Corrugated Metal Liner.....	22.44	
33 46 51 00-0004 LF 24" Diameter Drainage Well With Corrugated Metal Liner.....	29.87	
33 50 Hydrocarbon Utilities (33)		

33 Utilities**33 50 Hydrocarbon Utilities****33 52 Hydrocarbon Transmission and Distribution**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 52 Hydrocarbon Transmission and Distribution (33 50)**33 52 16 Gas Hydrocarbon Piping (33 52)****33 52 16 13 Steel Natural Gas Piping (33 52 16)**

See CSI section 23 05 23 00-0000 for gas valves.

33 52 16 13-0001	EA	Gas Distribution Lines (33 52 16 13) Note: Excludes excavation and backfill.	
33 52 16 13-0002	EA	Gas Line Taps (33 52 16 13-0001) Note: Includes material to tap into main and gas valve.	
33 52 16 13-0003	EA	Polyethylene, 60 PSI (33 52 16 13-0002)	
33 52 16 13-0004	EA	2" Polyethylene Hot Tap, With Valve	948.52
33 52 16 13-0005	EA	2-1/2" Polyethylene Hot Tap, With Valve	1,094.16
33 52 16 13-0006	EA	3" Polyethylene Hot Tap, With Valve	1,156.55
33 52 16 13-0007	EA	4" Polyethylene Hot Tap, With Valve	1,679.01
33 52 16 13-0008	EA	6" Polyethylene Hot Tap, With Valve	2,572.01

33 52 16 13-0009 Steel, Schedule 40 (33 52 16 13-0002)

Note: For punch steel service tee.

33 52 16 13-0010	EA	1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,485.22
33 52 16 13-0011	EA	3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,510.37
33 52 16 13-0012	EA	3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,545.71
33 52 16 13-0013	EA	3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,579.88
33 52 16 13-0014	EA	1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,604.95
33 52 16 13-0015	EA	1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,746.18
33 52 16 13-0016	EA	1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,790.88

33 52 16 13-0017 Protective Pipe And Fitting Wrap (33 52 16 13-0001)

Note: Includes cleaning and priming pipe.

33 52 16 13-0018 Corrosion Protection Pipe Wrap For Pipe (33 52 16 13-0017)

Note: Field applied.

33 52 16 13-0019	LF	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	2.36
33 52 16 13-0020	LF	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	2.47
33 52 16 13-0021	LF	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	2.61
33 52 16 13-0022	LF	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	2.93
33 52 16 13-0023	LF	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.14
33 52 16 13-0024	LF	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.62
33 52 16 13-0025	LF	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.43
33 52 16 13-0026	LF	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.55
33 52 16 13-0027	LF	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	7.03
33 52 16 13-0028	LF	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	9.39

33 52 16 13-0029 Corrosion Resistance Wrap And Coat - Fittings (33 52 16 13-0017)

Note: Field applied.

33 52 16 13-0030	EA	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	12.22
33 52 16 13-0031	EA	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	12.22
33 52 16 13-0032	EA	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	15.03
33 52 16 13-0033	EA	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	17.05
33 52 16 13-0034	EA	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	17.05
33 52 16 13-0035	EA	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	20.18
33 52 16 13-0036	EA	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	26.88
33 52 16 13-0037	EA	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	37.55
33 52 16 13-0038	EA	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	38.09
33 52 16 13-0039	EA	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	43.96

33 52 16 13-0040 Service Fittings (33 52 16 13-0001)**33 52 16 13-0041 Brass Fittings (33 52 16 13-0040)**

33 52 16 13-0042	EA	1/2" X 2" Long Nipples, Threaded Both Ends, Brass	21.88
33 52 16 13-0043	EA	3/4" X 2" Long Nipples, Threaded Both Ends, Brass	25.35
33 52 16 13-0044	EA	1" X 2" Long Nipples, Threaded Both Ends, Brass	32.03
33 52 16 13-0045	EA	1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass	39.59
33 52 16 13-0046	EA	1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass	44.34
33 52 16 13-0047	EA	2" X 2" Long Nipples, Threaded Both Ends, Brass	57.34
33 52 16 13-0048	EA	1/2" 90 Degree Elbow, Brass	18.81
33 52 16 13-0049	EA	3/4" 90 Degree Elbow, Brass	21.51
33 52 16 13-0050	EA	1" 90 Degree Elbow, Brass	27.63
33 52 16 13-0051	EA	1-1/4" 90 Degree Elbow, Brass	35.29
33 52 16 13-0052	EA	1-1/2" 90 Degree Elbow, Brass	40.14



	Utilities	33
	Hydrocarbon Utilities	33 50
	Hydrocarbon Transmission and Distribution	33 52

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0053 EA 2" 90 Degree Elbow, Brass.....	52.88	
33 52 16 13-0054 EA 1/2" Diameter Chrome Plated Nipple.....	15.34	
33 52 16 13-0055 EA 3/4" Diameter Chrome Plated Nipple.....	19.71	
33 52 16 13-0056 EA 1" Diameter Chrome Plated Nipple.....	25.66	
33 52 16 13-0057 EA 1-1/4" Diameter Chrome Plated Nipple.....	36.44	
33 52 16 13-0058 EA 1-1/2" Diameter Chrome Plated Nipple.....	43.98	
33 52 16 13-0059 EA 2" Diameter Chrome Plated Nipple.....	58.82	
33 52 16 13-0060 Anodless Gas Riser (33 52 16 13-0040)		
33 52 16 13-0061 EA 3/4" Anodless Gas Riser.....	55.40	
33 52 16 13-0062 EA 1" Anodless Gas Riser.....	68.36	
33 52 16 13-0063 EA 1-1/4" Anodless Gas Riser.....	79.85	
33 52 16 13-0064 EA 1-1/2" Anodless Gas Riser.....	99.18	
33 52 16 13-0065 EA 2" Anodless Gas Riser.....	113.55	
33 52 16 13-0066 Brass Service Adapter (33 52 16 13-0040)		
33 52 16 13-0067 EA 1/2" Brass Service Adapter.....	37.52	
33 52 16 13-0068 EA 3/4" Brass Service Adapter.....	41.29	
33 52 16 13-0069 EA 1" Brass Service Adapter.....	49.24	
33 52 16 13-0070 EA 1-1/4" Brass Service Adapter.....	57.05	
33 52 16 13-0071 EA 1-1/2" Brass Service Adapter.....	65.75	
33 52 16 13-0072 EA 2" Brass Service Adapter.....	75.96	
33 52 16 13-0073 EA 2-1/2" Brass Service Adapter.....	118.31	
33 52 16 13-0074 EA 3" Brass Service Adapter.....	143.88	
33 52 16 13-0075 EA 4" Brass Service Adapter.....	203.34	
33 52 16 23 Medium Density Polyethylene Piping for Natural Gas (33 52 16)		
33 52 16 23-0001 Medium Density Polyethylene (MDPE) Gas Distribution Piping (33 52 16 23)		
Note: 60 PSI, PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.		
33 52 16 23-0002 LF 1/2" DR 9 (200 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	2.37	1.09
For Colors, Add	0.03	
33 52 16 23-0003 LF 3/4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	2.61	1.17
For Colors, Add	0.03	
33 52 16 23-0004 LF 1" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	2.86	1.24
For Colors, Add	0.04	
33 52 16 23-0005 LF 1-1/4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	3.12	1.33
For Colors, Add	0.05	
33 52 16 23-0006 LF 1-1/2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	3.54	1.59
For Colors, Add	0.07	
33 52 16 23-0007 LF 2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	3.96	1.73
For Colors, Add	0.09	
33 52 16 23-0008 LF 2-1/2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	4.86	2.03
For Colors, Add	0.15	
33 52 16 23-0009 LF 3" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	5.85	2.42
For Colors, Add	0.20	
33 52 16 23-0010 LF 4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	9.27	2.77
For Colors, Add	0.38	
33 52 16 23-0011 LF 5" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	15.85	2.77
For DR 13.5 (128 PSI), Deduct	-0.81	
For DR 15.5 (110 PSI), Deduct	-1.49	
For Colors, Add	0.52	
33 52 16 23-0012 LF 6" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	13.89	2.77
For Colors, Add	0.67	
33 52 16 23-0013 LF 8" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	20.14	3.47
For Colors, Add	1.11	
33 56 Hydrocarbon Storage (33 50)		
33 56 13 Aboveground Hydrocarbon Storage Tanks (33 56)		
See CSI section 23 13 23 00-0000 for aboveground storage tanks.		
33 56 33 Underground Hydrocarbon Storage (33 56)		
See CSI section 23 13 13 00-0000 for underground storage tanks.		
33 60 Hydronic And Steam Energy Utilities (33)		
33 61 Hydronic Energy Distribution (33 60)		
33 61 13 Buried Hydronic Energy Distribution (33 61)		
33 61 13 00-0001 Preinsulated Pipe (33 61 13)		
Note: Includes coupling per full length of pipe. Excludes excavation and backfill. See CSI section 23 01 20 91-0025 for purging of existing system.		
33 61 13 00-0002 Preinsulated Schedule 40 Black Steel Pipe (33 61 13 00-0001)		
Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0003 Standard Black Steel Carrier Pipe (33 61 13 00-0002)		
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0004	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	36.29	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.41	
		<i>For Schedule 80 Pipe, Add</i>	4.13	
33 61 13 00-0005	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	39.59	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.45	
		<i>For Schedule 80 Pipe, Add</i>	4.55	
33 61 13 00-0006	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	43.51	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.51	
		<i>For Schedule 80 Pipe, Add</i>	5.12	
33 61 13 00-0007	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	46.39	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.55	
		<i>For Schedule 80 Pipe, Add</i>	5.49	
33 61 13 00-0008	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	48.80	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.57	
		<i>For Schedule 80 Pipe, Add</i>	5.74	
33 61 13 00-0009	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	56.04	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.62	
		<i>For Schedule 80 Pipe, Add</i>	6.24	
33 61 13 00-0010	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	64.02	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.67	
		<i>For Schedule 80 Pipe, Add</i>	6.74	
33 61 13 00-0011	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	81.05	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.85	
		<i>For Schedule 80 Pipe, Add</i>	8.49	
33 61 13 00-0012	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	101.58	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.09	
		<i>For Schedule 80 Pipe, Add</i>	10.86	
33 61 13 00-0013	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	118.42	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.26	
		<i>For Schedule 80 Pipe, Add</i>	12.61	
33 61 13 00-0014	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	158.67	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.84	
		<i>For Schedule 80 Pipe, Add</i>	18.36	
33 61 13 00-0015	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	200.73	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.42	
		<i>For Schedule 80 Pipe, Add</i>	24.22	
33 61 13 00-0016	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	249.06	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.02	
		<i>For Schedule 80 Pipe, Add</i>	30.22	
33 61 13 00-0017		Standard Black Steel Carrier Pipe <small>(33 61 13 00-0002)</small>		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0018	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	38.35	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.45	
		<i>For Schedule 80 Pipe, Add</i>	4.55	
33 61 13 00-0019	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	41.86	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.50	
		<i>For Schedule 80 Pipe, Add</i>	5.00	
33 61 13 00-0020	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	46.07	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.56	
		<i>For Schedule 80 Pipe, Add</i>	5.63	
33 61 13 00-0021	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	49.14	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.60	
		<i>For Schedule 80 Pipe, Add</i>	6.04	
33 61 13 00-0022	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	51.67	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.63	
		<i>For Schedule 80 Pipe, Add</i>	6.32	
33 61 13 00-0023	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pip With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	59.16	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.69	
		<i>For Schedule 80 Pipe, Add</i>	6.87	
33 61 13 00-0024	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	67.39	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.74	
		<i>For Schedule 80 Pipe, Add</i>	7.42	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0025	LF		4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 85.29 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.93 <i>For Schedule 80 Pipe, Add</i> 9.34		
33 61	13 00-0026	LF		5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 107.01 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 1.20 <i>For Schedule 80 Pipe, Add</i> 11.95		
33 61	13 00-0027	LF		6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 124.73 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 1.39 <i>For Schedule 80 Pipe, Add</i> 13.87		
33 61	13 00-0028	LF		8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 167.85 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 2.02 <i>For Schedule 80 Pipe, Add</i> 20.19		
33 61	13 00-0029	LF		10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 212.85 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 2.66 <i>For Schedule 80 Pipe, Add</i> 26.65		
33 61	13 00-0030	LF		12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 264.17 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 3.32 <i>For Schedule 80 Pipe, Add</i> 33.24		
33 61	13 00-0031			Standard Black Steel Carrier Pipe <small>(33 61 13 00-0002)</small> Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0032	LF		3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 39.39 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.48 <i>For Schedule 80 Pipe, Add</i> 4.75		
33 61	13 00-0033	LF		1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 43.00 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.52 <i>For Schedule 80 Pipe, Add</i> 5.23		
33 61	13 00-0034	LF		1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 47.35 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.59 <i>For Schedule 80 Pipe, Add</i> 5.89		
33 61	13 00-0035	LF		1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 50.51 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.63 <i>For Schedule 80 Pipe, Add</i> 6.32		
33 61	13 00-0036	LF		2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 53.11 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.66 <i>For Schedule 80 Pipe, Add</i> 6.61		
33 61	13 00-0037	LF		2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 60.72 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.72 <i>For Schedule 80 Pipe, Add</i> 7.18		
33 61	13 00-0038	LF		3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 69.07 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.78 <i>For Schedule 80 Pipe, Add</i> 7.75		
33 61	13 00-0039	LF		4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 87.41 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.98 <i>For Schedule 80 Pipe, Add</i> 9.76		
33 61	13 00-0040	LF		5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 109.73 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 1.25 <i>For Schedule 80 Pipe, Add</i> 12.49		
33 61	13 00-0041	LF		6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 127.88 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 1.45 <i>For Schedule 80 Pipe, Add</i> 14.50		
33 61	13 00-0042	LF		8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 172.44 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 2.11 <i>For Schedule 80 Pipe, Add</i> 21.11		
33 61	13 00-0043	LF		10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 218.90 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 2.79 <i>For Schedule 80 Pipe, Add</i> 27.86		
33 61	13 00-0044	LF		12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket 271.73 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 3.48 <i>For Schedule 80 Pipe, Add</i> 34.75		
33 61	13 00-0045			Standard Black Steel Carrier Pipe <small>(33 61 13 00-0002)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0046	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	40.94	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.51	
			<i>For Schedule 80 Pipe, Add</i>	5.06	
33 61	13 00-0047	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	44.70	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.56	
			<i>For Schedule 80 Pipe, Add</i>	5.57	
33 61	13 00-0048	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	49.27	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.63	
			<i>For Schedule 80 Pipe, Add</i>	6.27	
33 61	13 00-0049	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	52.57	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.67	
			<i>For Schedule 80 Pipe, Add</i>	6.73	
33 61	13 00-0050	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	55.26	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.70	
			<i>For Schedule 80 Pipe, Add</i>	7.04	
33 61	13 00-0051	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	63.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.76	
			<i>For Schedule 80 Pipe, Add</i>	7.65	
33 61	13 00-0052	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	71.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.83	
			<i>For Schedule 80 Pipe, Add</i>	8.26	
33 61	13 00-0053	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	90.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.04	
			<i>For Schedule 80 Pipe, Add</i>	10.40	
33 61	13 00-0054	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	113.80	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.33	
			<i>For Schedule 80 Pipe, Add</i>	13.31	
33 61	13 00-0055	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	132.61	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.55	
			<i>For Schedule 80 Pipe, Add</i>	15.45	
33 61	13 00-0056	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	179.32	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.25	
			<i>For Schedule 80 Pipe, Add</i>	22.49	
33 61	13 00-0057	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	227.99	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.97	
			<i>For Schedule 80 Pipe, Add</i>	29.68	
33 61	13 00-0058	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	283.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.70	
			<i>For Schedule 80 Pipe, Add</i>	37.02	
33 61	13 00-0059		Preinsulated Black Steel Fittings (33 61 13 00-0001) Note: No excavation or backfill.		
33 61	13 00-0060		Elbows (33 61 13 00-0059)		
33 61	13 00-0061		Elbows (33 61 13 00-0060) Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0062	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	283.51	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.25	
33 61	13 00-0063	EA	1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	294.02	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.35	
33 61	13 00-0064	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	337.93	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.94	
33 61	13 00-0065	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	380.56	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.39	
33 61	13 00-0066	EA	2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	447.22	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.62	
33 61	13 00-0067	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	535.30	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.84	
33 61	13 00-0068	EA	3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	621.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.74	
33 61	13 00-0069	EA	4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	725.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0070 EA 5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	861.62	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.11	
33 61 13 00-0071 EA 6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	948.03	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.49	
33 61 13 00-0072 EA 8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,329.17	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.61	
33 61 13 00-0073 EA 10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,816.41	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.23	
33 61 13 00-0074 EA 12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,311.24	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.10	
33 61 13 00-0075 Elbows <small>(33 61 13 00-0060)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0076 EA 3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	299.43	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.56	
33 61 13 00-0077 EA 1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	310.31	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.67	
33 61 13 00-0078 EA 1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	356.48	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.32	
33 61 13 00-0079 EA 1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	400.79	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.80	
33 61 13 00-0080 EA 2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	468.29	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.04	
33 61 13 00-0081 EA 2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	557.21	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.28	
33 61 13 00-0082 EA 3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	647.26	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.25	
33 61 13 00-0083 EA 4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	755.36	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.46	
33 61 13 00-0084 EA 5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	899.55	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.87	
33 61 13 00-0085 EA 6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	991.11	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.35	
33 61 13 00-0086 EA 8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,391.45	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.85	
33 61 13 00-0087 EA 10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,896.02	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.82	
33 61 13 00-0088 EA 12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,416.60	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.20	
33 61 13 00-0089 Elbows <small>(33 61 13 00-0060)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0090 EA 3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	315.35	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.88	
33 61 13 00-0091 EA 1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	326.61	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.00	
33 61 13 00-0092 EA 1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	375.02	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.69	
33 61 13 00-0093 EA 1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	421.02	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.20	
33 61 13 00-0094 EA 2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	489.36	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.46	
33 61 13 00-0095 EA 2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	579.13	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.72	
33 61 13 00-0096 EA 3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	672.54	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.75	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0097	EA	4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	784.87	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.05	
33 61 13 00-0098	EA	5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	937.48	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.63	
33 61 13 00-0099	EA	6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,034.19	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.21	
33 61 13 00-0100	EA	8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,453.73	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.10	
33 61 13 00-0101	EA	10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,975.62	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.41	
33 61 13 00-0102	EA	12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,521.96	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.31	
33 61 13 00-0103		Elbows <small>(33 61 13 00-0060)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0104	EA	3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	331.27	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.20	
33 61 13 00-0105	EA	1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	342.90	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.32	
33 61 13 00-0106	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	393.56	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.06	
33 61 13 00-0107	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	441.25	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.61	
33 61 13 00-0108	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	510.44	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.88	
33 61 13 00-0109	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	601.04	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.16	
33 61 13 00-0110	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	697.83	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.26	
33 61 13 00-0111	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	814.37	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.64	
33 61 13 00-0112	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	975.41	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.39	
33 61 13 00-0113	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,077.27	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.07	
33 61 13 00-0114	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,516.01	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.34	
33 61 13 00-0115	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,055.23	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.00	
33 61 13 00-0116	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,627.32	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.42	
33 61 13 00-0117		Tees <small>(33 61 13 00-0059)</small>		
33 61 13 00-0118		Tees <small>(33 61 13 00-0117)</small>		
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0119	EA	3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	422.05	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.30	
33 61 13 00-0120	EA	1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	437.64	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.45	
33 61 13 00-0121	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	503.07	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.34	
33 61 13 00-0122	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	566.66	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.01	
33 61 13 00-0123	EA	2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	666.31	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.34	
33 61 13 00-0124	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	798.13	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.68	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
33 61	13 00-0125	EA		3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	927.89		
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	<i>10.01</i>		
33 61	13 00-0126	EA		4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,082.90		
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	<i>11.68</i>		
33 61	13 00-0127	EA		5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,286.74		
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	<i>15.02</i>		
33 61	13 00-0128	EA		6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,413.95		
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	<i>17.06</i>		
33 61	13 00-0129	EA		8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,980.38		
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	<i>24.66</i>		
33 61	13 00-0130	EA		10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,710.04		
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	<i>31.52</i>		
33 61	13 00-0131	EA		12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,445.79		
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	<i>41.72</i>		
33 61	13 00-0132	Tees <small>(33 61 13 00-0117)</small>					
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.							
33 61	13 00-0133	EA		3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	445.69		
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	<i>6.78</i>		
33 61	13 00-0134	EA		1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	461.84		
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	<i>6.94</i>		
33 61	13 00-0135	EA		1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	530.61		
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	<i>7.89</i>		
33 61	13 00-0136	EA		1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	596.70		
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	<i>8.61</i>		
33 61	13 00-0137	EA		2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	697.60		
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	<i>8.97</i>		
33 61	13 00-0138	EA		2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	830.68		
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	<i>9.33</i>		
33 61	13 00-0139	EA		3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	965.44		
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	<i>10.76</i>		
33 61	13 00-0140	EA		4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,126.70		
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	<i>12.56</i>		
33 61	13 00-0141	EA		5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,343.06		
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	<i>16.15</i>		
33 61	13 00-0142	EA		6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,477.93		
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	<i>18.34</i>		
33 61	13 00-0143	EA		8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,072.87		
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	<i>26.51</i>		
33 61	13 00-0144	EA		10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,828.26		
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	<i>33.89</i>		
33 61	13 00-0145	EA		12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,602.25		
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	<i>44.85</i>		
33 61	13 00-0146	Tees <small>(33 61 13 00-0117)</small>					
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.							
33 61	13 00-0147	EA		3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	469.33		
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	<i>7.25</i>		
33 61	13 00-0148	EA		1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	486.04		
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	<i>7.42</i>		
33 61	13 00-0149	EA		1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	558.14		
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	<i>8.44</i>		
33 61	13 00-0150	EA		1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	626.74		
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	<i>9.21</i>		
33 61	13 00-0151	EA		2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	728.89		
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	<i>9.60</i>		

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0152 EA 2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	863.22	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.98	
33 61 13 00-0153 EA 3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,002.99	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.52	
33 61 13 00-0154 EA 4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,170.51	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.43	
33 61 13 00-0155 EA 5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,399.39	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.27	
33 61 13 00-0156 EA 6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,541.90	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.62	
33 61 13 00-0157 EA 8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,165.35	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.36	
33 61 13 00-0158 EA 10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,946.47	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.25	
33 61 13 00-0159 EA 12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,758.71	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	47.98	
33 61 13 00-0160 Tees <small>(33 61 13 00-0117)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0161 EA 3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	492.98	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.72	
33 61 13 00-0162 EA 1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	510.24	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.91	
33 61 13 00-0163 EA 1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	585.68	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.00	
33 61 13 00-0164 EA 1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	656.78	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.81	
33 61 13 00-0165 EA 2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	760.18	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.22	
33 61 13 00-0166 EA 2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	895.77	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.63	
33 61 13 00-0167 EA 3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,040.54	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.27	
33 61 13 00-0168 EA 4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,214.32	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.31	
33 61 13 00-0169 EA 5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,455.71	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.40	
33 61 13 00-0170 EA 6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,605.88	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.90	
33 61 13 00-0171 EA 8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,257.84	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.21	
33 61 13 00-0172 EA 10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,064.69	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	38.62	
33 61 13 00-0173 EA 12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,915.17	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	51.11	
33 61 13 00-0174 Reducers <small>(33 61 13 00-0059)</small>		
33 61 13 00-0175 Reducers <small>(33 61 13 00-0174)</small>		
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0176 EA 3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	240.32	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.52	
33 61 13 00-0177 EA 1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	249.39	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.61	
33 61 13 00-0178 EA 1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	286.83	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.10	
33 61 13 00-0179 EA 1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	323.58	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0180 EA 2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	382.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.66	
33 61 13 00-0181 EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	466.78	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.85	
33 61 13 00-0182 EA 3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	538.47	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.60	
33 61 13 00-0183 EA 4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	625.60	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.53	
33 61 13 00-0184 EA 5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	740.17	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.40	
33 61 13 00-0185 EA 6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	813.15	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.54	
33 61 13 00-0186 EA 8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,138.24	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.78	
33 61 13 00-0187 EA 10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,560.81	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.62	
33 61 13 00-0188 EA 12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,980.40	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.32	
33 61 13 00-0189 Reducers <small>(33 61 13 00-0174)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0190 EA 3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	253.54	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.79	
33 61 13 00-0191 EA 1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	262.91	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.88	
33 61 13 00-0192 EA 1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	302.22	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.41	
33 61 13 00-0193 EA 1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	340.37	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.81	
33 61 13 00-0194 EA 2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	400.25	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.01	
33 61 13 00-0195 EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	484.97	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.21	
33 61 13 00-0196 EA 3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	559.45	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.02	
33 61 13 00-0197 EA 4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	650.08	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.02	
33 61 13 00-0198 EA 5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	771.66	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.02	
33 61 13 00-0199 EA 6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	848.90	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.25	
33 61 13 00-0200 EA 8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,189.93	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.82	
33 61 13 00-0201 EA 10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,626.88	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.94	
33 61 13 00-0202 EA 12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,067.85	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.07	
33 61 13 00-0203 Reducers <small>(33 61 13 00-0174)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0204 EA 3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	266.75	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.05	
33 61 13 00-0205 EA 1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	276.44	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.15	
33 61 13 00-0206 EA 1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	317.62	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.72	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0207 EA 1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	357.16	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.15	
33 61 13 00-0208 EA 2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	417.74	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.36	
33 61 13 00-0209 EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	503.16	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.58	
33 61 13 00-0210 EA 3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	580.44	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.44	
33 61 13 00-0211 EA 4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	674.57	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.51	
33 61 13 00-0212 EA 5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	803.14	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.65	
33 61 13 00-0213 EA 6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	884.66	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.97	
33 61 13 00-0214 EA 8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,241.62	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.85	
33 61 13 00-0215 EA 10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,692.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.26	
33 61 13 00-0216 EA 12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,155.30	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.82	
33 61 13 00-0217 Reducers <small>(33 61 13 00-0174)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0218 EA 3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	279.97	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.32	
33 61 13 00-0219 EA 1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	289.97	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.42	
33 61 13 00-0220 EA 1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	333.01	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.03	
33 61 13 00-0221 EA 1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	373.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.48	
33 61 13 00-0222 EA 2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	435.23	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.71	
33 61 13 00-0223 EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	521.35	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.94	
33 61 13 00-0224 EA 3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	601.43	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.86	
33 61 13 00-0225 EA 4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	699.05	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.00	
33 61 13 00-0226 EA 5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	834.62	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.28	
33 61 13 00-0227 EA 6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	920.42	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.68	
33 61 13 00-0228 EA 8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,293.31	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.89	
33 61 13 00-0229 EA 10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,759.02	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.58	
33 61 13 00-0230 EA 12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,242.75	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.57	
33 61 13 00-0231 Preinsulated Type K Copper Pipe <small>(33 61 13 00-0001)</small>		
Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0232 Type K Copper Carrier Pipe <small>(33 61 13 00-0231)</small>		
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0233 LF 3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	41.62	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.51	
33 61 13 00-0234 LF 1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	45.46	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0235 LF 1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	50.08	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.63	
33 61 13 00-0236 LF 1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	53.42	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.68	
33 61 13 00-0237 LF 2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	56.17	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.71	
33 61 13 00-0238 LF 2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	64.15	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.77	
33 61 13 00-0239 LF 3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	72.85	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.83	
33 61 13 00-0240 LF 4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	92.19	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.05	
33 61 13 00-0241 LF 5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	115.77	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.34	
33 61 13 00-0242 LF 6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	134.92	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.56	
33 61 13 00-0243 LF 8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	182.29	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.27	
33 61 13 00-0244 LF 10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	231.65	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.00	
33 61 13 00-0245 LF 12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	287.59	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.74	
33 61 13 00-0246 Type K Copper Carrier Pipe <small>(33 61 13 00-0231)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0247 LF 3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	44.18	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.56	
33 61 13 00-0248 LF 1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	48.27	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.62	
33 61 13 00-0249 LF 1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	53.24	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.70	
33 61 13 00-0250 LF 1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	56.82	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.75	
33 61 13 00-0251 LF 2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	59.72	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.78	
33 61 13 00-0252 LF 2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	68.01	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.85	
33 61 13 00-0253 LF 3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	77.02	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.92	
33 61 13 00-0254 LF 4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	97.44	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.15	
33 61 13 00-0255 LF 5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	122.48	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.48	
33 61 13 00-0256 LF 6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	142.72	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.72	
33 61 13 00-0257 LF 8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	193.64	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.50	
33 61 13 00-0258 LF 10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	246.63	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.29	
33 61 13 00-0259 LF 12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	306.27	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.11	
33 61 13 00-0260 Type K Copper Carrier Pipe <small>(33 61 13 00-0231)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0261 LF 3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	45.45	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.59	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0262	LF	1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	49.67	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.65	
33 61 13 00-0263	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	54.83	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.73	
33 61 13 00-0264	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	58.52	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.78	
33 61 13 00-0265	LF	2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	61.49	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.82	
33 61 13 00-0266	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	69.94	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.89	
33 61 13 00-0267	LF	3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	79.11	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.96	
33 61 13 00-0268	LF	4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	100.06	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.21	
33 61 13 00-0269	LF	5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	125.84	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.54	
33 61 13 00-0270	LF	6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	146.62	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.79	
33 61 13 00-0271	LF	8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	199.31	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.61	
33 61 13 00-0272	LF	10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	254.11	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.44	
33 61 13 00-0273	LF	12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	315.61	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.30	
33 61 13 00-0274		Type K Copper Carrier Pipe <small>(33 61 13 00-0231)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0275	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	47.37	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.63	
33 61 13 00-0276	LF	1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	51.78	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.69	
33 61 13 00-0277	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	57.20	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.78	
33 61 13 00-0278	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	61.07	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.83	
33 61 13 00-0279	LF	2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	64.16	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.87	
33 61 13 00-0280	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	72.83	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.95	
33 61 13 00-0281	LF	3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	82.23	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.02	
33 61 13 00-0282	LF	4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	104.00	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.29	
33 61 13 00-0283	LF	5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	130.88	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.65	
33 61 13 00-0284	LF	6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	152.47	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.91	
33 61 13 00-0285	LF	8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	207.82	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.78	
33 61 13 00-0286	LF	10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	265.35	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.67	
33 61 13 00-0287	LF	12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	329.63	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.58	
33 61 13 00-0288		Preinsulated Copper Fittings <small>(33 61 13 00-0288)</small>		
33 61 13 00-0289		Elbows <small>(33 61 13 00-0288)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0290				Elbows <small>(33 61 13 00-0289)</small>		
				Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0291	EA			3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	353.17	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.82	
33 61 13 00-0292	EA			1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	364.80	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.96	
33 61 13 00-0293	EA			1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	418.05	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.78	
33 61 13 00-0294	EA			1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	466.41	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.40	
33 61 13 00-0295	EA			2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	530.02	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.71	
33 61 13 00-0296	EA			2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	612.24	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.02	
33 61 13 00-0297	EA			3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	710.18	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.25	
33 61 13 00-0298	EA			4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	828.75	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.79	
33 61 13 00-0299	EA			5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,003.25	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.88	
33 61 13 00-0300	EA			6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,112.92	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.76	
33 61 13 00-0301	EA			8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,572.92	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.78	
33 61 13 00-0302	EA			10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,112.60	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.12	
33 61 13 00-0303	EA			12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,715.44	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	38.54	
33 61 13 00-0304				Elbows <small>(33 61 13 00-0289)</small>		
				Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0305	EA			3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	375.01	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.26	
33 61 13 00-0306	EA			1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	387.15	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.41	
33 61 13 00-0307	EA			1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	443.49	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.29	
33 61 13 00-0308	EA			1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	494.16	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.96	
33 61 13 00-0309	EA			2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	558.92	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.29	
33 61 13 00-0310	EA			2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	642.31	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.62	
33 61 13 00-0311	EA			3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	744.87	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.94	
33 61 13 00-0312	EA			4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	869.22	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.60	
33 61 13 00-0313	EA			5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,055.29	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.92	
33 61 13 00-0314	EA			6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,172.02	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.94	
33 61 13 00-0315	EA			8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,658.37	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.49	
33 61 13 00-0316	EA			10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,221.81	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.31	
33 61 13 00-0317	EA			12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,859.98	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	41.44	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**33 61 13 00-0318****Elbows**

(33 61 13 00-0289)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0319	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	396.85
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.70
33 61 13 00-0320	EA	1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	409.51
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.86
33 61 13 00-0321	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	468.93
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.80
33 61 13 00-0322	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	521.91
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.51
33 61 13 00-0323	EA	2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	587.83
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.87
33 61 13 00-0324	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	672.37
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.22
33 61 13 00-0325	EA	3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	779.56
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.64
33 61 13 00-0326	EA	4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	909.70
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.41
33 61 13 00-0327	EA	5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,107.32
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.96
33 61 13 00-0328	EA	6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,231.28
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.12
33 61 13 00-0329	EA	8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,743.72
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.20
33 61 13 00-0330	EA	10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,330.73
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.49
33 61 13 00-0331	EA	12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,004.71
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	44.33

33 61 13 00-0332**Elbows**

(33 61 13 00-0289)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0333	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	418.69
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.14
33 61 13 00-0334	EA	1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	431.86
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.30
33 61 13 00-0335	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	494.37
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.31
33 61 13 00-0336	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	549.66
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.07
33 61 13 00-0337	EA	2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	616.74
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.44
33 61 13 00-0338	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	702.44
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.82
33 61 13 00-0339	EA	3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	814.25
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.33
33 61 13 00-0340	EA	4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	950.17
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.22
33 61 13 00-0341	EA	5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,159.36
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.00
33 61 13 00-0342	EA	6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,290.38
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.31
33 61 13 00-0343	EA	8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,829.16
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.91
33 61 13 00-0344	EA	10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,439.94
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.68



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 61	13 00-0345	EA	12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,149.25 47.22	
33 61	13 00-0346			Tees <small>(33 61 13 00-0288)</small>		
33 61	13 00-0347			Tees <small>(33 61 13 00-0346)</small> Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61	13 00-0348	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	525.34 8.65	
	33 61	13 00-0349	EA	1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	542.64 8.85	
	33 61	13 00-0350	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	621.88 10.07	
	33 61	13 00-0351	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	693.94 10.99	
	33 61	13 00-0352	EA	2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	788.97 11.45	
	33 61	13 00-0353	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	911.99 11.91	
	33 61	13 00-0354	EA	3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,058.36 13.74	
	33 61	13 00-0355	EA	4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,235.06 16.03	
	33 61	13 00-0356	EA	5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,496.14 20.61	
	33 61	13 00-0357	EA	6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,657.94 23.40	
	33 61	13 00-0358	EA	8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,341.40 33.83	
	33 61	13 00-0359	EA	10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,148.16 43.25	
	33 61	13 00-0360	EA	12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4,044.25 57.24	
33 61	13 00-0361			Tees <small>(33 61 13 00-0346)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61	13 00-0362	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	557.77 9.30	
	33 61	13 00-0363	EA	1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	575.83 9.52	
	33 61	13 00-0364	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	659.66 10.83	
	33 61	13 00-0365	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	735.15 11.81	
	33 61	13 00-0366	EA	2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	831.90 12.31	
	33 61	13 00-0367	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	956.64 12.80	
	33 61	13 00-0368	EA	3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,109.88 14.77	
	33 61	13 00-0369	EA	4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,295.16 17.23	
	33 61	13 00-0370	EA	5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,573.42 22.15	
	33 61	13 00-0371	EA	6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,745.71 25.16	
	33 61	13 00-0372	EA	8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,468.28 36.37	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0373 EA 10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,310.33	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	46.49	
33 61 13 00-0374 EA 12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,258.90	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	61.53	
33 61 13 00-0375 Tees <small>(33 61 13 00-0346)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0376 EA 3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	590.21	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.95	
33 61 13 00-0377 EA 1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	609.03	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.18	
33 61 13 00-0378 EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	697.43	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.59	
33 61 13 00-0379 EA 1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	776.36	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.64	
33 61 13 00-0380 EA 2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	874.82	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.16	
33 61 13 00-0381 EA 2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,001.28	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.69	
33 61 13 00-0382 EA 3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,161.39	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.80	
33 61 13 00-0383 EA 4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,355.26	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.43	
33 61 13 00-0384 EA 5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,650.69	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.70	
33 61 13 00-0385 EA 6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,833.71	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.91	
33 61 13 00-0386 EA 8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,594.53	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	38.91	
33 61 13 00-0387 EA 10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,471.00	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	49.73	
33 61 13 00-0388 EA 12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,475.29	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	65.82	
33 61 13 00-0389 Tees <small>(33 61 13 00-0346)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0390 EA 3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	622.65	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.60	
33 61 13 00-0391 EA 1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	642.23	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.84	
33 61 13 00-0392 EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	735.21	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.34	
33 61 13 00-0393 EA 1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	817.58	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.46	
33 61 13 00-0394 EA 2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	917.75	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.02	
33 61 13 00-0395 EA 2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,045.93	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.58	
33 61 13 00-0396 EA 3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,212.91	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.83	
33 61 13 00-0397 EA 4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,415.36	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.63	
33 61 13 00-0398 EA 5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,727.96	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.24	
33 61 13 00-0399 EA 6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,921.48	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.67	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 61	13 00-0400	EA	8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,721.41	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	41.45	
	33 61	13 00-0401	EA	10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,633.18	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	52.98	
	33 61	13 00-0402	EA	12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,689.94	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	70.12	
	33 61	13 00-0403	Reducers <small>(33 61 13 00-0288)</small>			
	33 61	13 00-0404	Reducers <small>(33 61 13 00-0403)</small>			
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.			
	33 61	13 00-0405	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	297.48	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.83	
	33 61	13 00-0406	EA	1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	307.44	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.95	
	33 61	13 00-0407	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	352.51	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.63	
	33 61	13 00-0408	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	393.82	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.14	
	33 61	13 00-0409	EA	2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	449.97	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.40	
	33 61	13 00-0410	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	527.72	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.65	
	33 61	13 00-0411	EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	608.78	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.68	
	33 61	13 00-0412	EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	707.98	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.96	
	33 61	13 00-0413	EA	5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	854.48	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.52	
	33 61	13 00-0414	EA	6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	946.57	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.08	
	33 61	13 00-0415	EA	8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,335.94	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.91	
	33 61	13 00-0416	EA	10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,799.74	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.17	
	33 61	13 00-0417	EA	12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,307.79	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.99	
	33 61	13 00-0418	Reducers <small>(33 61 13 00-0403)</small>			
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.			
	33 61	13 00-0419	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	315.61	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.20	
	33 61	13 00-0420	EA	1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	326.00	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.32	
	33 61	13 00-0421	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	373.62	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.05	
	33 61	13 00-0422	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	416.86	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.60	
	33 61	13 00-0423	EA	2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	473.96	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.88	
	33 61	13 00-0424	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	552.67	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.15	
	33 61	13 00-0425	EA	3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	637.58	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.25	
	33 61	13 00-0426	EA	4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	741.57	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.63	
	33 61	13 00-0427	EA	5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	897.66	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.38	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0428 EA 6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	995.62	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.06	
33 61 13 00-0429 EA 8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,406.86	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.33	
33 61 13 00-0430 EA 10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,890.39	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.98	
33 61 13 00-0431 EA 12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,427.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.39	
33 61 13 00-0432 Reducers <small>(33 61 13 00-0403)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0433 EA 3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	333.73	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.56	
33 61 13 00-0434 EA 1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	344.56	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.69	
33 61 13 00-0435 EA 1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	394.74	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.48	
33 61 13 00-0436 EA 1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	439.89	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.06	
33 61 13 00-0437 EA 2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	497.96	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.36	
33 61 13 00-0438 EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	577.62	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.65	
33 61 13 00-0439 EA 3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	666.37	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.83	
33 61 13 00-0440 EA 4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	775.16	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.30	
33 61 13 00-0441 EA 5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	940.85	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.24	
33 61 13 00-0442 EA 6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,044.80	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.04	
33 61 13 00-0443 EA 8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,477.56	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.75	
33 61 13 00-0444 EA 10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,980.82	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.80	
33 61 13 00-0445 EA 12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,547.89	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.79	
33 61 13 00-0446 Reducers <small>(33 61 13 00-0403)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0447 EA 3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	351.86	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.92	
33 61 13 00-0448 EA 1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	363.11	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.06	
33 61 13 00-0449 EA 1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	415.85	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.90	
33 61 13 00-0450 EA 1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	462.93	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.52	
33 61 13 00-0451 EA 2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	521.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.84	
33 61 13 00-0452 EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	602.58	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.15	
33 61 13 00-0453 EA 3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	695.16	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.41	
33 61 13 00-0454 EA 4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	808.75	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0455 EA 5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	984.04	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.11	
33 61 13 00-0456 EA 6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,093.85	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.02	
33 61 13 00-0457 EA 8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,548.47	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.17	
33 61 13 00-0458 EA 10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,071.47	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.61	
33 61 13 00-0459 EA 12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,667.86	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.19	
33 61 13 00-0460 Preinsulated Ductile Iron Carrier Pipe <small>(33 61 13 00-0001)</small>		
<i>Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.</i>		
33 61 13 00-0461 Ductile Iron Carrier Pipe <small>(33 61 13 00-0460)</small>		
<i>Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0462 LF 4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	90.87	
33 61 13 00-0463 LF 6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	132.67	
33 61 13 00-0464 LF 8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	176.90	
33 61 13 00-0465 LF 10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	223.20	
33 61 13 00-0466 LF 12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	276.85	
33 61 13 00-0467 Ductile Iron Carrier Pipe <small>(33 61 13 00-0460)</small>		
<i>Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0468 LF 4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	96.01	
33 61 13 00-0469 LF 6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	140.31	
33 61 13 00-0470 LF 8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	188.01	
33 61 13 00-0471 LF 10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	237.86	
33 61 13 00-0472 LF 12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	295.13	
33 61 13 00-0473 LF 14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	322.18	
33 61 13 00-0474 LF 16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	361.38	
33 61 13 00-0475 LF 18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	404.88	
33 61 13 00-0476 LF 20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	444.31	
33 61 13 00-0477 LF 24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	522.68	
33 61 13 00-0478 Preinsulated Ductile Iron Fittings <small>(33 61 13 00-0001)</small>		
33 61 13 00-0479 Elbows <small>(33 61 13 00-0478)</small>		
33 61 13 00-0480 Elbows <small>(33 61 13 00-0479)</small>		
<i>Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0481 EA 4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	787.43	
33 61 13 00-0482 EA 6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,037.94	
33 61 13 00-0483 EA 8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,459.15	
33 61 13 00-0484 EA 10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,982.55	
33 61 13 00-0485 EA 12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,531.13	
33 61 13 00-0486 Elbows <small>(33 61 13 00-0479)</small>		
<i>Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0487 EA 4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	850.91	
33 61 13 00-0488 EA 6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,130.63	
33 61 13 00-0489 EA 8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,593.16	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0490 EA 10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,153.84	
33 61 13 00-0491 EA 12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,757.83	
33 61 13 00-0492 EA 14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,349.72	
33 61 13 00-0493 EA 16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,949.72	
33 61 13 00-0494 EA 18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,926.75	
33 61 13 00-0495 EA 20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	6,257.49	
33 61 13 00-0496 EA 24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	8,145.55	
33 61 13 00-0497 Tees <small>(33 61 13 00-0478)</small>		
33 61 13 00-0498 Tees <small>(33 61 13 00-0497)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0499 EA 4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,174.32	
33 61 13 00-0500 EA 6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,547.47	
33 61 13 00-0501 EA 8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,173.40	
33 61 13 00-0502 EA 10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,956.76	
33 61 13 00-0503 EA 12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,772.32	
33 61 13 00-0504 Tees <small>(33 61 13 00-0497)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0505 EA 4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,268.59	
33 61 13 00-0506 EA 6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,685.12	
33 61 13 00-0507 EA 8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,372.40	
33 61 13 00-0508 EA 10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,211.12	
33 61 13 00-0509 EA 12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,108.97	
33 61 13 00-0510 EA 14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,885.14	
33 61 13 00-0511 EA 16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	5,761.99	
33 61 13 00-0512 EA 18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	7,188.43	
33 61 13 00-0513 EA 20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	9,135.36	
33 61 13 00-0514 EA 24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	11,890.10	
33 61 13 00-0515 Reducers <small>(33 61 13 00-0478)</small>		
33 61 13 00-0516 Reducers <small>(33 61 13 00-0515)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0517 EA 4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	676.70	
33 61 13 00-0518 EA 6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	887.77	
33 61 13 00-0519 EA 8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,246.12	
33 61 13 00-0520 EA 10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,698.70	
33 61 13 00-0521 EA 12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,162.91	
33 61 13 00-0522 Reducers <small>(33 61 13 00-0515)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0523 EA 4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	729.38	
33 61 13 00-0524 EA 6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	964.71	
33 61 13 00-0525 EA 8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,357.34	
33 61 13 00-0526 EA 10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,840.86	
33 61 13 00-0527 EA 12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,351.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0528 EA 14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,792.05	
33 61 13 00-0529 EA 16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,288.61	
33 61 13 00-0530 EA 18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,074.25	
33 61 13 00-0531 EA 20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	5,213.97	
33 61 13 00-0532 EA 24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	6,804.93	
33 61 13 00-0533 Tempered Water Piping Pre-Insulated <small>(33 61 13 00-0001)</small>		
33 61 13 00-0534 Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0533)</small>		
33 61 13 00-0535 LF 4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	43.47	13.87
33 61 13 00-0536 LF 6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	53.15	15.49
33 61 13 00-0537 LF 8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	71.25	17.13
33 61 13 00-0538 LF 10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	95.22	21.41
33 61 13 00-0539 LF 12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	121.29	26.41
33 61 13 00-0540 Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0533)</small>		
33 61 13 00-0541 LF 4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	29.80	15.49
33 61 13 00-0542 LF 6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	31.94	15.49
33 61 13 00-0543 LF 8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	33.94	15.49
33 61 13 00-0544 LF 10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	40.79	18.30
33 61 13 00-0545 LF 12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	49.84	23.22
33 61 13 00-0546 Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0533)</small>		
33 61 13 00-0547 LF 4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	29.80	15.49
33 61 13 00-0548 LF 6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	31.94	15.49
33 61 13 00-0549 LF 8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	33.94	15.49
33 61 13 00-0550 LF 10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	40.79	18.30
33 61 13 00-0551 LF 12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	49.84	23.22
33 70 Electrical Utilities <small>(33)</small>		
33 71 Electrical Utility Transmission And Distribution <small>(33 70)</small>		
33 71 19 Electrical Underground Ducts, Ductbanks and Manholes <small>(33 71)</small>		
<i>Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.</i>		
33 71 19 00-0001 Electrical Handholes And Pull Boxes <small>(33 71 19)</small>		
33 71 19 00-0002 Electrical Pull Boxes <small>(33 71 19 00-0001)</small>		
<i>See CSI section 33 05 63 00-0427 for handholes.</i>		
33 71 19 00-0003 EA 24" x 36" x 24", Electric Pull Boxes, Precast Concrete	1,127.07	
33 71 19 00-0004 EA 24" x 36" x 36", Electric Pull Boxes, Precast Concrete	1,344.88	
33 71 19 00-0005 EA 30" x 48" x 36", Electric Pull Boxes, Precast Concrete	1,552.56	
33 71 19 00-0006 EA 36" x 72" x 24", Electric Pull Boxes, Precast Concrete	2,390.07	
33 71 19 00-0007 EA 36" x 60" x 36", Electric Pull Boxes, Precast Concrete	2,544.01	
33 71 19 00-0008 EA 48" x 48" x 36", Electric Pull Boxes, Precast Concrete	2,733.35	
33 71 19 00-0009 EA 48" x 60" x 48", Electric Pull Boxes, Precast Concrete	3,142.87	
33 71 19 00-0010 Electrical Pull Boxes (CALTRANS) <small>(33 71 19 00-0001)</small>		
33 71 19 00-0011 EA Body, CALTRANS 3-1/2 Precast Concrete Pull Box	75.20	
33 71 19 00-0012 EA Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	28.08	
33 71 19 00-0013 EA Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	44.05	
33 71 19 00-0014 EA Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	88.87	
33 71 19 00-0015 EA Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	135.35	
<i>For Galvanized Steel Cover, Add</i>		
	22.50	
33 71 19 00-0016 EA 12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box	36.90	
33 71 19 00-0017 EA Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box	36.90	
33 71 19 00-0018 EA Body, CALTRANS 5 Precast Concrete Pull Box	108.28	
33 71 19 00-0019 EA Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	36.88	
33 71 19 00-0020 EA Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	52.85	
33 71 19 00-0021 EA Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box	178.25	
<i>For Galvanized Steel Cover, Add</i>		
	41.25	
33 71 19 00-0022 EA 12" Extension, CALTRANS 5 Precast Concrete Pull Box	50.65	
33 71 19 00-0023 EA Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box	47.63	

33 Utilities**33 70 Electrical Utilities****33 71 Electrical Utility Transmission And Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 00-0024 EA Body, CALTRANS 6 Precast Concrete Pull Box.....	117.08	
33 71 19 00-0025 EA Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	48.70	
33 71 19 00-0026 EA Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	64.67	
33 71 19 00-0027 EA Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box.....	243.15	
<i>For Galvanized Steel Cover, Add</i>	<i>57.75</i>	
33 71 19 00-0028 EA 12" Extension, CALTRANS 6 Precast Concrete Pull Box.....	59.45	
33 71 19 00-0029 EA Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	56.15	
33 71 19 00-0030 EA 6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	75.95	
33 71 19 00-0031 EA Body, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	155.78	
33 71 19 00-0032 EA Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	213.45	
33 71 19 00-0033 EA 12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	70.45	
33 71 19 00-0034 EA Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	64.95	
33 71 19 00-0035 EA Body, CALTRANS 5-T Precast Concrete Pull Box.....	205.08	
33 71 19 00-0036 EA Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box.....	306.95	
33 71 19 00-0037 EA 12" Extension, CALTRANS 5-T Precast Concrete Pull Box.....	83.65	
33 71 19 00-0038 EA Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box.....	81.45	
33 71 19 00-0039 EA Body, CALTRANS 6-T Precast Concrete Pull Box.....	285.38	
33 71 19 00-0040 EA Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box.....	427.95	
33 71 19 00-0041 EA 12" Extension, CALTRANS 6-T Precast Concrete Pull Box.....	138.65	
33 71 19 00-0042 EA Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box.....	108.95	
33 71 19 00-0043 Electrical Property Line Boxes (33 71 19)		
33 71 19 00-0044 EA 3'-6" x 2'-9" x 2' Deep Property Line Box.....	2,169.32	239.24
33 71 19 00-0045 EA 4'-6" x 3'-6" x 4' Deep Property Line Box.....	2,532.37	248.10
33 71 19 00-0046 EA 6' x 4' x 5' Deep Property Line Box.....	2,793.49	301.26
33 71 19 00-0047 EA 11'-6" x 4'-6" x 6' Deep Property Line Box.....	4,267.78	443.03
33 71 19 00-0048 Underground Electrical Concrete Markers (33 71 19)		
33 71 19 00-0049 EA 36" x 6" x 6", Underground Electric Concrete Marker.....	211.17	
33 71 19 00-0050 Manhole Accessories (33 71 19)		
33 71 19 00-0051 EA 6" Precast Grade Ring Riser Casting.....	298.95	
33 71 19 00-0052 EA 12" Precast Grade Ring Riser Casting.....	323.73	
33 71 19 00-0053 EA 36" Opening Cast Iron Frame And Cover NEENAH #R-1640-D.....	1,154.33	
33 71 19 00-0054 EA 42" Opening Cast Iron Frame And Cover NEENAH #R-1740-E1.....	1,504.27	
33 71 19 00-0055 EA Cast Iron Adjusting Ring NEENAH #R-1979.....	496.55	
33 71 19 00-0056 EA Cast Iron Frame And Cover NEENAH #R-1640-B.....	627.69	

END OF SECTION 33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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34 Transportation

34 70 Transportation Construction And Equipment ⁽³⁴⁾

34 71 Roadway Construction ^(34 70)

34 71 13 Vehicle Barriers ^(34 71)

34 71 13 13 Vehicle Median Barriers ^(34 71 13)

34 71 13 13-0001 Concrete Median Barrier ^(34 71 13 13)

34 71 13 13-0002	LF	Median Barrier, Precast, 42" High Single Face.....	43.01	2.56
34 71 13 13-0003	LF	Median Barrier, Precast, 32" High, 2' Wide Base, Double Face	45.72	2.56
34 71 13 13-0004	LF	Median Barrier, Precast, 42" High, 2' Wide Base, Double Face	49.53	2.56
34 71 13 13-0005	LF	Median Barrier, Cast In Place With Steel Forms.....	27.75	3.32
34 71 13 13-0006	LF	Median Barrier, Slipformed Concrete.....	24.72	2.08

34 71 13 16 Vehicle Crash Barriers ^(34 71 13)

34 71 13 16-0001 Impact Barrier, Non-Redirective ^(34 71 13 16)

34 71 13 16-0002 Sand Barrel Impact Attenuator ^(34 71 13 16-0001)

Note: Includes containers, inserts, and lid. Excludes sand.				
34 71 13 16-0003	EA	200, 400 Or 700 LB Sand Barrel.....	524.25	30.18
Note: Includes containers, inserts, and lid.				

34 71 13 26 Vehicle Guide Rails ^(34 71 13)

34 71 13 26-0001 Mobilize Guide Rail Crew ^(34 71 13 26)

34 71 13 26-0002	EA	Mobilize Guide Rail Crew.....	773.42	
Note: Excludes equipment mobilization.				

34 71 13 26-0003 Corrugated Beam Guide Rail ^(34 71 13 26)

34 71 13 26-0004 Corrugated Beam Guide Railing ^(34 71 13 26-0003)

34 71 13 26-0005 Corrugated Beam Guide Railing, Straight Sections ^(34 71 13 26-0004)

Note: Add additional length for back-up sections.				
34 71 13 26-0006	LF	Corrugated Beam Guide Railing.....	6.13	1.38
34 71 13 26-0007	LF	Corrugated Beam Guide Railing (Rustic).....	6.52	1.38

34 71 13 26-0008 Corrugated Beam Guide Railing, Shop Curved ^(34 71 13 26-0004)

Note: Add additional length for back-up sections.				
34 71 13 26-0009	LF	Shop Curved Corrugated Beam Guide Railing.....	7.66	1.38
34 71 13 26-0010	LF	Shop Curved Corrugated Beam Guide Railing (Rustic).....	8.20	1.38
34 71 13 26-0011	LF	Shop Curved Corrugated Beam Guide Railing End.....	17.92	1.38
Note: Treatment for mall barriers driveways, walkways, special end, etc.				
34 71 13 26-0012	LF	Shop Curved Corrugated Beam Guide Railing (Rustic) End	19.45	1.38
Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.				

34 71 13 26-0013 Corrugated Beam Guide Railing, Manufactured End Sections ^(34 71 13 26-0003)

34 71 13 26-0014	EA	Corrugated Beam Guide Railing End Section At Anchor Unit.....	52.67	18.23
34 71 13 26-0015	EA	Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit	54.75	18.23
34 71 13 26-0016	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section	65.19	18.23
34 71 13 26-0017	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic).....	67.27	18.23
34 71 13 26-0018	EA	Corrugated Beam Guide Railing 225 Degree End Section.....	65.19	18.23
34 71 13 26-0019	EA	Corrugated Beam Guide Railing 225 Degree End Section (Rustic).....	67.27	18.23

34 71 13 26-0020 Corrugated Beam Guide Rail Posts ^(34 71 13 26-0003)

Note: Includes mounting hardware.				
34 71 13 26-0021	EA	Standard Post For Corrugated Beam Guide Rail.....	46.44	9.79
For Installation Without Soil Plate, Deduct			-5.00	
For Installation In Rock, Add			2.61	
34 71 13 26-0022	EA	Standard Post For (Rustic) Corrugated Beam Guide Rail.....	48.53	9.79
For Installation Without Soil Plate, Deduct			-5.00	
For Installation In Rock, Add			2.61	
34 71 13 26-0023	EA	Extra Long Post for Corrugated Beam Guide Rail	50.62	9.79
For Installation Without Soil Plate, Deduct			-5.00	
For Installation In Rock, Add			2.61	
34 71 13 26-0024	EA	Extra Long Post (Rustic) for Corrugated Beam Guide Rail.....	52.70	9.79
For Installation Without Soil Plate, Deduct			-5.00	
For Installation In Rock, Add			2.61	
34 71 13 26-0025	EA	6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail	46.44	9.79
For Installation Without Soil Plate, Deduct			-5.00	
For Installation In Rock, Add			2.61	

34	Transportation
34 70	Transportation Construction And Equipment
34 71	Roadway Construction



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0026 EA Post Struts for Corrugated Beam Guide Rail Mall Barrier Post..... <i>For Installation In Rock, Add</i>	63.14 2.61	9.79
34 71 13 26-0027 Heavy Post Blocked Out Corrugated Beam Guide Rail Posts (34 71 13 26-0003) Note: Includes mounting hardware. Excludes triangular mounting brackets.		
34 71 13 26-0028 EA Standard Post For Heavy Post Blocked Out Corrugated Beam Guide	46.44	9.79
34 71 13 26-0029 EA Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide	48.53	9.79
34 71 13 26-0030 EA Extra Long Post for Heavy Post Blocked Out Corrugated Beam Guide.....	50.62	9.79
34 71 13 26-0031 EA Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail..... Note: For heavy post blocked out corrugated beam guide (rustic)	52.70	9.79
34 71 13 26-0032 EA Type A Post 1630mm Post	45.40	9.79
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0033 EA Type A Post 1630mm Post (Rustic).....	47.49	9.79
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0034 EA Type B Post 1460mm	43.31	9.79
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0035 EA Type B Post 1460mm (Rustic)	45.40	9.79
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0036 EA Type C Post 1290mm	41.23	9.79
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0037 EA Type C Post 1290mm (Rustic).....	43.31	9.79
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0038 EA Breakaway Wood Or Steel Post In Steel Foundation Tube	151.10	9.79
34 71 13 26-0039 EA Wood, Metal, Plastic Or Composite Offset Block Or Beam.....	23.49	9.79
Note: For heavy post blocked out corrugated beam guide rail.		
34 71 13 26-0040 Corrugated Beam Guide Rail Accessories (34 71 13 26-0003)		
34 71 13 26-0041 EA Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C	48.49	20.72
34 71 13 26-0042 Corrugated Beam Guide Rail Repair for Existing Guide Rail (34 71 13 26-0003) Note: Includes associated hardware.		
34 71 13 26-0043 LF Removal And Storage Of Corrugated Beam Guide Railing And Post.....	8.10	
34 71 13 26-0044 EA Install Stored Post For Corrugated Beam Guide Rail.....	27.63	
34 71 13 26-0045 LF Install Stored Corrugated Beam Guide Railing And Post.....	4.69	
34 71 13 26-0046 Corrugated Thrie Beam Guide Railing (34 71 13 26-0003)		
34 71 13 26-0047 Corrugated Thrie Beam Guide Railing. Straight Sections (34 71 13 26-0046) Note: Add additional length for back-up sections.		
34 71 13 26-0048 LF Corrugated Thrie Beam Guide Railing.....	12.97	1.74
34 71 13 26-0049 LF Corrugated Thrie Beam Guide Railing (Rustic).....	13.61	1.74
34 71 13 26-0050 Corrugated Thrie Beam Guide Railing. Shop Curved (34 71 13 26-0046) Note: Add additional length for back-up sections.		
34 71 13 26-0051 LF Shop Curved Corrugated Thrie Beam Guide Railing	15.52	1.74
34 71 13 26-0052 LF Shop Curved Corrugated Thrie Beam Guide Railing (Rustic)	16.15	1.74
34 71 13 26-0053 Corrugated Thrie Beam Guide Rail Posts (34 71 13 26-0046) Note: Includes hardware for mounting.		
34 71 13 26-0054 EA Standard Post For Corrugated Thrie Beam Guide Rail..... <i>For Installation Without Soil Plate, Deduct</i>	48.22 -5.00	1.74
<i>For 32" Soil Plate, Add</i>	7.00	
34 71 13 26-0055 EA Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail	50.31	1.74
<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
<i>For 32" Soil Plate, Add</i>	7.00	
34 71 13 26-0056 Timber Guide Rails (34 71 13 26) Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
34 71 13 26-0057 Timber Guide Rail Posts (34 71 13 26-0056)		
34 71 13 26-0058 EA 6" x 8" Timber Guide Rail Post.....	59.36	6.91
34 71 13 26-0059 EA 6" x 9" Timber Guide Rail Post.....	67.60	6.91
34 71 13 26-0060 EA 10" x 10" Timber Guide Rail Post.....	132.19	6.91
34 71 13 26-0061 EA 10" x 12" Timber Guide Rail Post.....	139.89	6.91
34 71 13 26-0062 EA 12" x 12" Timber Guide Rail Post.....	161.85	6.91
34 71 13 26-0063 Timber Guide Rails (34 71 13 26-0056) Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0064 LF 4" x 9" Timber Guide Rail.....	7.36	0.83
34 71 13 26-0065 LF 6" x 10" Timber Guide Rail.....	10.33	0.83
34 71 13 26-0066 LF 6" x 12" Timber Guide Rail.....	12.06	0.83
34 71 13 26-0067 Spacer Blocks For Timber Guide Rails (34 71 13 26-0056)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0068 EA 4" x 9" Spacer Block For Timber Guide Rails	9.59	1.10
34 71 13 26-0069 EA 6" x 8" Spacer Block For Timber Guide Rails	11.02	1.10
34 71 13 26-0070 EA 8" x 8" Spacer Block For Timber Guide Rails	12.83	1.10
34 71 13 26-0071 Weathering Steel Backup Plates For Timber Guide Rails <small>(34 71 13 26-0056)</small>		
34 71 13 26-0072 LF 6" High, Weathering Steel Backup Plate For Timber Guide Rails.....	13.26	0.69
34 71 13 26-0073 Weathering Steel Splice And Bearing Plates For Timber Guide Rails <small>(34 71 13 26-0056)</small>		
34 71 13 26-0074 EA Weathering Steel Splice Plate For Timber Guide Rails	92.76	9.66
34 71 13 26-0075 EA Weathering Steel Bearing Termination Plate For Timber Guide Rails.....	58.26	6.91
34 71 13 26-0076 Cable Guide Rail <small>(34 71 13 26)</small>		
34 71 13 26-0077 Cable Guide Rail <small>(34 71 13 26-0076)</small>		
34 71 13 26-0078 LF Cable (Each Cable)	3.77	1.49
Note: Includes tensioning. Excludes splices.		
34 71 13 26-0079 EA Cable Splice With Wedges	76.41	10.35
34 71 13 26-0080 Cable Guide Rail Posts <small>(34 71 13 26-0076)</small>		
Note: Includes hardware for cable mounting.		
34 71 13 26-0081 EA Standard Post for Cable Guide Rail.....	74.83	32.65
<i>For Installation Without Soil Plate, Deduct</i>		
<i>For Installation In Rock, Add</i>		
	-5.00	8.71
34 71 13 26-0082 EA Standard Post (Rustic) for Cable Guide Rail.....	76.91	32.65
<i>For Installation Without Soil Plate, Deduct</i>		
<i>For Installation In Rock, Add</i>		
	-5.00	8.71
34 71 13 26-0083 EA Extra Long Post for Cable Guide Rail.....	76.91	32.65
<i>For Installation Without Soil Plate, Deduct</i>		
<i>For Installation In Rock, Add</i>		
	-5.00	8.71
34 71 13 26-0084 EA Extra Long Post (Rustic) for Cable Guide Rail.....	79.00	32.65
<i>For Installation Without Soil Plate, Deduct</i>		
<i>For Installation In Rock, Add</i>		
	-5.00	8.71
34 71 13 26-0085 EA Slip Impact Post Top for Anchor Unit.....	42.45	13.06
34 71 13 26-0086 EA Slip Impact Post Base and Keeper Plate	94.61	13.06
Note: For anchor unit.		
34 71 13 26-0087 Cable Guide Rail Accessories For Breakaway Anchor Angle Systems <small>(34 71 13 26-0076)</small>		
34 71 13 26-0088 EA Turnbuckle Cable End Assembly For Use With Breakaway Anchors	255.46	138.39
34 71 13 26-0089 EA Turnbuckle Cable End Assembly.....	50.96	6.92
34 71 13 26-0090 EA Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors	150.65	3.44
34 71 13 26-0091 EA Spring Cable End Assembly (Compensating Device) Without Turnbuckle.....	154.82	3.44
34 71 13 26-0092 EA Breakaway Anchor Angle.....	63.48	6.92
34 71 13 26-0093 EA Standard End Post Cap Assembly.....	29.63	3.44
34 71 13 26-0094 EA Driveway End Post Cap Assembly	25.45	3.44
34 71 13 26-0095 EA End Post Ground Support Plates.....	15.02	3.44
34 71 13 26-0096 EA 11" Stud Bolt, Cable Guide Rail.....	13.46	3.44
34 71 13 26-0097 EA 18" Stud Bolt, Cable Guide Rail.....	15.54	3.44
34 71 13 26-0098 EA 25" Stud Bolt, Cable Guide Rail.....	17.63	3.44
34 71 13 26-0099 EA 1-1/4" Diameter Turnbuckle, Cable Guide Rail.....	134.42	6.92
34 71 13 26-0100 EA 1-1/2" Diameter Turnbuckle, Cable Guide Rail.....	142.77	6.92
34 71 13 26-0101 EA 5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail.....	96.86	6.92
34 71 13 26-0102 EA 5/8" Eye Bolt 18" Long, Cable Guide Rail.....	58.84	3.44
34 71 13 26-0103 EA 3/4" Eye Bolt 8'-6" Long, Cable Guide Rail.....	63.48	6.92
34 71 13 26-0104 EA 1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail.....	70.15	10.35
34 71 13 26-0105 Cable Guide Rail Accessories For Slip Impact Post Systems <small>(34 71 13 26-0076)</small>		
34 71 13 26-0106 EA Turnbuckle Cable End Assembly.....	112.61	10.91
Note: For use with slip impact post.		
34 71 13 26-0107 EA Spring Cable End Assembly (Compensating Device).....	212.76	10.91
Note: For use with slip impact post.		
34 71 13 26-0108 EA Anchor Angle For Slip Impact Post System.....	68.79	10.91
34 71 13 26-0109 EA Cable End Assembly Rod.....	58.36	10.91
Note: Includes cable end, threaded rod and keeper to anchor angle.		
34 71 13 26-0110 Cable Guide Rail Repair For Existing Guide Rail <small>(34 71 13 26-0076)</small>		
Note: All tasks include associated hardware.		
34 71 13 26-0111 LF Retention Existing Cable (Each Cable).....	0.92	
34 71 13 26-0112 LF Removal And Storage Of Cable Guide Railing.....	5.56	
34 71 13 26-0113 EA Install Stored Post For Cable Guide Railing.....	43.53	
34 71 13 26-0114 LF Install Stored Cable, (Each Cable).....	2.46	
Note: Includes retensioning. Excludes splices.		

34 Transportation**34 70 Transportation Construction And Equipment****34 71 Roadway Construction**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0115 6" x 6" Box Beam Guide Rail (34 71 13 26)		
34 71 13 26-0116 Box Beam Guide Rail, 6" x 6" (34 71 13 26-0115)		
34 71 13 26-0117 Straight Sections, Box Beam Guide Rail (34 71 13 26-0116)		
34 71 13 26-0118 LF Box Beam Guide Railing 6" x 6" x 3/16" Galvanized.....	15.36	1.74
Note: Excludes splices.		
For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0119 LF Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)	17.27	1.74
Note: Excludes splices.		
For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0120 Shop Curved, Box Beam Guide Rail (34 71 13 26-0116)		
34 71 13 26-0121 LF Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized.....	22.67	1.74
Note: Excludes splices.		
For Shop Curved At <20' Radius, Add	2.44	
For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0122 LF Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)	24.58	1.74
Note: Excludes splices.		
For Shop Curved At <20' Radius, Add	2.44	
For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0123 Box Beam Guide Rail End Treatment Sections (34 71 13 26-0115)		
Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0124 EA Box Beam End Piece Guide Railing Section.....	236.28	20.72
Note: Galvanized excludes splices.		
34 71 13 26-0125 EA Box Beam End Piece Guide Railing Section (Rustic)	259.23	20.72
Note: Excludes splices.		
34 71 13 26-0126 EA Box Beam Guide Railing End Treatment Section At Driveway, Galvanized	223.76	20.72
Note: Excludes splices.		
34 71 13 26-0127 EA Box Beam Guide Railing End Treatment Section At Driveway, (Rustic)	232.11	20.72
Note: Excludes splices.		
34 71 13 26-0128 Splices For Box Beam Guide Rail (34 71 13 26-0115)		
34 71 13 26-0129 EA Splice For Box Beam Guide Rail.....	92.81	30.75
34 71 13 26-0130 EA Splice For Box Beam Guide Rail (Rustic)	107.41	30.75
34 71 13 26-0131 Box Beam Guide Rail Posts (34 71 13 26-0115)		
Note: Includes hardware for box beam mounting.		
34 71 13 26-0132 EA Standard Post For Box Beam Guide Rail.....	76.91	32.65
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	8.71	
34 71 13 26-0133 EA Standard Post (Rustic) for Box Beam Guide Railing.....	79.00	32.65
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	8.71	
34 71 13 26-0134 EA Extra Long Post For Box Beam Guide Rail.....	81.09	32.65
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	8.71	
34 71 13 26-0135 EA Extra Long Post (Rustic) For Box Beam Guide Rail.....	83.17	32.65
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	8.71	
34 71 13 26-0136 EA Type I End Assembly Post.....	74.83	32.65
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	8.71	
34 71 13 26-0137 EA Type I End Assembly Post (Rustic).....	76.91	32.65
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	8.71	
34 71 13 26-0138 EA Type II End Assembly Post.....	72.74	32.65
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	8.71	
34 71 13 26-0139 EA Type II End Assembly Post (Rustic).....	74.83	32.65
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	8.71	
34 71 13 26-0140 Box Beam Guide Rail Accessories (34 71 13 26-0115)		
34 71 13 26-0141 EA Box Beam Guide Rail End Cover Plate.....	33.33	6.21
34 71 13 26-0142 EA Box Beam Guide Rail End Cover Plate (Rustic)	35.41	6.21
34 71 13 26-0143 Box Beam Guide Railing Repair, And Resetting (34 71 13 26-0115)		
Note: For existing guide rail.		
34 71 13 26-0144 LF Removal And Storage Of Box Beam Guide Rail And Post	2.72	
34 71 13 26-0145 LF Reset Box Beam Guide Rail	7.97	
34 71 13 26-0146 6" x 8" Box Beam Median Barrier (34 71 13 26)		
34 71 13 26-0147 Box Beam Median Barrier, 6" x 8" (34 71 13 26-0146)		

34	Transportation
34 70	Transportation Construction And Equipment
34 71	Roadway Construction



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

34 71 13 26-0178	Guide Rail Concrete Anchor Units For All Types Of Guide Rail (34 71 13 26-0177) Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71 13 26-0179	CY Guide Rail Concrete Anchor Unit.....	460.96	
	<i>For Each Additional Set Of Anchor Rods, Add</i>	38.00	
34 71 13 26-0180	EA Reset Existing Anchorage Unit for All Types of Guide Rail.....	316.80	
	Note: Includes excavation and backfill.		
34 71 13 26-0181	EA Removal Of Guide Rail Concrete Anchor Unit.....	353.56	
34 71 13 26-0182	Guide Rail Repair For All Types Of Existing Guide Rail (34 71 13 26-0177) Note: All tasks include associated hardware.		
34 71 13 26-0183	EA Straighten And Reset Driven Post For Guide Rail	43.53	
34 71 13 26-0184	EA Straighten And Reset Post Mounted On Concrete For Guide Rail.....	46.53	
	Note: With base plate for guide rail. Includes new anchor bolts.		
34 71 13 26-0185	Additional Wood and Steel Posts (34 71 13 26-0177)		
34 71 13 26-0186	LF 4" x 6" Wood Post.....	24.45	10.91
	<i>For Installation In Rock, Add</i>	2.91	
34 71 13 26-0187	LF 6" x 8" Wood Post.....	27.58	10.91
	<i>For Installation In Rock, Add</i>	2.91	
34 71 13 26-0188	LF 6" x 7/8" Steel Post Galvanized	20.45	10.91
	<i>For Installation In Rock, Add</i>	2.91	
34 71 13 26-0189	EA Base Plate With Anchor Bolts For Mounting Post On Concrete.....	150.05	10.91
34 71 13 26-0190	Accessories For All Types of Guide Rail (34 71 13 26-0177)		
34 71 13 26-0191	EA Reflector, Guard Rail	14.84	
34 71 13 26-0192	Guide Rail Transitions (34 71 13 26)		
34 71 13 26-0193	Transition Box Beam Guide Rail To Corrugated Beam (34 71 13 26-0192)		
34 71 13 26-0194	EA Box Beam To Corrugated Beam Rail Bolted Section.....	309.71	
34 71 13 26-0195	EA Box Beam To Corrugated Beam Rail Bolted Plate.....	226.25	
	Note: For making cable connections.		
34 71 13 26-0196	Transition Box Beam Median Barrier To Corrugated Beam Median (34 71 13 26-0192)		
34 71 13 26-0197	EA Box Beam Median Barrier To Corrugated Beam Bolted Section	313.88	
34 71 13 26-0198	EA Box Beam Median Barrier To Corrugated Beam Harness Plate	226.25	
	Note: For making cable connections.		
34 71 13 26-0199	Transition Box Beam Guide Rail To Cable Guide Rail (34 71 13 26-0192)		
34 71 13 26-0200	EA Box Beam to Cable Guide Rail U-bolt And Plate	39.31	11.05
34 71 13 26-0201	Transition Box Beam Median Barrier To Concrete Median Barrier (34 71 13 26-0192)		
34 71 13 26-0202	EA Box Beam Median Barrier To Concrete Barrier End Connection	393.17	
34 71 13 26-0203	Transition Thrie Beam To Concrete Median Barrier (34 71 13 26-0192)		
34 71 13 26-0204	EA Thrie Beam Terminal Connector At Concrete Median Barrier.....	288.84	
34 71 13 26-0205	EA Thrie Beam Transition Section To Corrugated Beam Guide Rail.....	341.01	
34 71 13 26-0206	Resilient Guard Fence And Light Shield (34 71 13 26)		
34 71 13 26-0207	LF Resilient Guard Fence And Light Shield, Up To 6' High	46.87	4.19
34 71 13 26-0208	Individual Concrete Posts (34 71 13 26)		
34 71 13 26-0209	EA 6'-5" Concrete Posts, Round.....	55.91	4.19
34 71 13 26-0210	EA 6'-5" Concrete Posts, Square.....	62.50	4.73
34 71 13 26-0211	EA 6'-5" Concrete Posts, Triangular	60.80	4.73
34 71 16	Impact Attenuating Devices (34 71)		
34 71 16 00-0001	Guard Rail Energy Absorbing Terminals (34 71 16) Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. QuadGuard System as manufactured by Energy Absorption Systems, Inc.		
34 71 16 00-0002	24" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)		
34 71 16 00-0003	EA 24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	15,472.97	2,168.22
34 71 16 00-0004	EA 24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator	21,263.84	2,890.96
34 71 16 00-0005	EA 24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator	28,737.23	3,794.38
34 71 16 00-0006	EA 24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator	32,840.76	4,697.81



Transportation	34	34
Transportation Construction And Equipment	34 70	
Roadway Construction	34 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 16 00-0007 30" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0008 EA 30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	16,856.86	2,439.25
34 71 16 00-0009 EA 30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	23,209.44	3,252.33
34 71 16 00-0010 EA 30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	31,615.41	4,336.44
34 71 16 00-0011 EA 30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	36,719.61	5,239.86
34 71 16 00-0012 36" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0013 EA 36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	18,250.96	2,710.27
34 71 16 00-0014 EA 36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	25,164.80	3,613.70
34 71 16 00-0015 EA 36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	34,123.04	4,788.15
34 71 16 00-0016 EA 36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	40,587.67	5,781.92
34 71 16 00-0017 69" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0018 EA 69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	19,850.41	2,981.30
34 71 16 00-0019 EA 69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	27,200.12	3,975.07
34 71 16 00-0020 EA 69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	36,949.61	5,239.86
34 71 16 00-0021 EA 69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	43,794.95	6,323.97
34 71 16 00-0022 90" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0023 EA 90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	21,479.44	3,252.33
34 71 16 00-0024 EA 90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	29,270.41	4,336.44
34 71 16 00-0025 EA 90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	40,207.67	5,781.92
34 71 16 00-0026 EA 90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	47,064.94	6,866.03
34 71 19 Vehicle Delineators <small>(34 71)</small>		
34 71 19 16 Flexible Vehicle Delineators <small>(34 71 19)</small>		
34 71 19 16-0001 EA 2' High, 3" Diameter Flexible Fixed Stanchion Delineator	50.18	5.25

END OF SECTION 34

34 Transportation

34 70 Transportation Construction And Equipment

34 71 Roadway Construction

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**THIS PAGE INTENTIONALLY LEFT BLANK**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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35 Waterway and Marine Construction

35 05 Common Work Results for Waterway and Marine Construction⁽³⁵⁾

35 05 70 Common Work Results for Dams^(35 05)

35 05 70 00-0001 Rubber Dam Repair^(35 05 70)

35 05 70 00-0002	EA	Class A Rubber Dam Repair (Bullet And Similar Holes).....	21.37
35 05 70 00-0003	SF	Class B Rubber Dam Repair (Minor Surface Rubber Damage).....	42.39
35 05 70 00-0004	SF	Class C Rubber Dam Repair (Major Surface Rubber Damage).....	62.26
35 05 70 00-0005	SF	Class D Rubber Dam Repair (Serious Surface Rubber Damage), Per Layer Of Material	69.38

35 20 Waterway and Marine Construction and Equipment⁽³⁵⁾

35 20 16 Hydraulic Gates^(35 20)

35 20 16 26 Hydraulic Sluice Gates^(35 20 16)

35 20 16 26-0001 Heavy Duty Cast Iron Sluice Gates Self Contained^(35 20 16 26)

Note: Includes crank operated geared gate lift, anchor bolts, and grouting.

35 20 16 26-0002	EA	18" x 18" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	7,852.63	763.59
		<i>For Electric Motor Operated Valve, Add</i>	1,002.72	
35 20 16 26-0003	EA	24" x 24" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	11,219.76	1,145.43
		<i>For Electric Motor Operated Valve, Add</i>	1,079.09	
35 20 16 26-0004	EA	30" x 30" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	13,557.60	1,272.73
		<i>For Electric Motor Operated Valve, Add</i>	1,104.54	
35 20 16 26-0005	EA	36" x 36" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	15,576.79	1,431.79
		<i>For Electric Motor Operated Valve, Add</i>	1,136.36	
35 20 16 26-0006	EA	42" x 42" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	17,465.77	1,636.33
		<i>For Electric Motor Operated Valve, Add</i>	1,177.27	
35 20 16 26-0007	EA	48" x 48" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	20,460.22	2,290.86
		<i>For Electric Motor Operated Valve, Add</i>	1,308.17	
35 20 16 26-0008	EA	54" x 54" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	32,869.77	3,466.80
		<i>For Electric Motor Operated Valve, Add</i>	1,543.36	
35 20 16 26-0009	EA	60" x 60" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	40,391.91	5,727.14
		<i>For Electric Motor Operated Valve, Add</i>	1,995.43	
35 20 16 26-0010	EA	66" x 66" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	46,644.47	5,727.14
		<i>For Electric Motor Operated Valve, Add</i>	1,995.43	
35 20 16 26-0011	EA	72" x 72" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	50,830.28	7,615.87
		<i>For Electric Motor Operated Valve, Add</i>	2,373.18	
35 20 16 26-0012	EA	78" x 78" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	57,184.29	7,615.87
		<i>For Electric Motor Operated Valve, Add</i>	2,773.18	
35 20 16 26-0013	EA	84" x 84" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	72,146.22	11,454.28
		<i>For Electric Motor Operated Valve, Add</i>	3,540.86	
35 20 16 26-0014	EA	90" x 90" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	73,126.18	6,462.86
		<i>For Electric Motor Operated Valve, Add</i>	2,542.57	
35 20 16 26-0015	EA	96" x 96" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	82,510.23	6,462.86
		<i>For Electric Motor Operated Valve, Add</i>	2,542.57	
35 20 16 26-0016	EA	108" x 108" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	104,724.38	8,594.23
		<i>For Electric Motor Operated Valve, Add</i>	2,968.85	
35 20 16 26-0017	EA	120" x 120" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	134,121.75	12,925.72
		<i>For Electric Motor Operated Valve, Add</i>	3,835.14	
35 20 16 26-0018	EA	132" x 132" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	161,098.29	12,925.72
		<i>For Electric Motor Operated Valve, Add</i>	3,835.14	

35 20 16 61 Other Hydraulic Gates^(35 20 16)

35 20 16 61-0001 Steel Slide Gates Self Contained^(35 20 16 61)

Note: Includes anchors and bolts.

35 20 16 61-0002	EA	12" x 12" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting.....	2,687.00	286.36
		<i>For Electric Motor Operated Valve, Add</i>	907.27	
35 20 16 61-0003	EA	18" x 18" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting.....	3,613.00	327.27
		<i>For Electric Motor Operated Valve, Add</i>	915.45	
35 20 16 61-0004	EA	24" x 24" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting.....	4,117.57	381.84
		<i>For Electric Motor Operated Valve, Add</i>	926.36	
35 20 16 61-0005	EA	30" x 30" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting.....	4,977.59	458.17
		<i>For Electric Motor Operated Valve, Add</i>	941.64	
35 20 16 61-0006	EA	36" x 36" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting.....	6,377.90	572.72
		<i>For Electric Motor Operated Valve, Add</i>	964.54	
35 20 16 61-0007	EA	42" x 42" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting.....	7,421.36	763.59
		<i>For Electric Motor Operated Valve, Add</i>	1,002.72	
35 20 16 61-0008	EA	48" x 48" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting.....	10,116.74	1,145.43
		<i>For Electric Motor Operated Valve, Add</i>	1,079.09	
35 20 16 61-0009	EA	54" x 54" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting.....	15,537.86	1,431.79
		<i>For Electric Motor Operated Valve, Add</i>	1,136.36	
35 20 16 61-0010	EA	60" x 60" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting.....	20,020.53	2,290.86
		<i>For Electric Motor Operated Valve, Add</i>	1,308.17	

35 Waterway and Marine Construction
35 20 Waterway and Marine Construction and Equipment
35 20 16 Hydraulic Gates



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 20 16 61-0011 EA 72" x 72" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting..... <i>For Electric Motor Operated Valve, Add</i>	24,987.75 1,613.62	3,818.12
35 20 16 61-0012 SF Over 36 SF Steel Slide Gates Self Contained Including Anchor..... <i>For Electric Motor Operated Valve, Add</i>	693.23 1,571.11	105.55
35 20 16 61-0013 Cast Iron Canal Gates (35 20 16 61)		
35 20 16 61-0014 EA 12" Diameter Canal Gates..... <i>For Electric Motor Operated Valve, Add</i>	1,055.36 907.27	286.36
35 20 16 61-0015 EA 18" Diameter Canal Gates..... <i>For Electric Motor Operated Valve, Add</i>	1,448.83 915.45	327.27
35 20 16 61-0016 EA 20" Diameter Canal Gates..... <i>For Electric Motor Operated Valve, Add</i>	1,640.55 921.59	357.94
35 20 16 61-0017 EA 24" Diameter Canal Gates..... <i>For Electric Motor Operated Valve, Add</i>	1,912.33 926.36	381.84
35 20 16 61-0018 EA 30" Diameter Canal Gates..... <i>For Electric Motor Operated Valve, Add</i>	2,770.31 941.64	458.17
35 20 16 61-0019 EA 36" Diameter Canal Gates..... <i>For Electric Motor Operated Valve, Add</i>	3,421.48 964.54	572.72
35 20 16 61-0020 EA 42" Diameter Canal Gates..... <i>For Electric Motor Operated Valve, Add</i>	5,566.42 1,002.72	763.59
35 20 16 61-0021 EA 48" Diameter Canal Gates..... <i>For Electric Motor Operated Valve, Add</i>	7,412.86 1,079.09	1,145.43
35 20 16 61-0022 EA 54" Diameter Canal Gates..... <i>For Electric Motor Operated Valve, Add</i>	10,363.14 1,136.36	1,431.79
35 20 16 61-0023 EA 60" Diameter Canal Gates..... <i>For Electric Motor Operated Valve, Add</i>	13,721.53 1,308.17	2,290.86
35 20 16 61-0024 EA 66" Diameter Canal Gates..... <i>For Electric Motor Operated Valve, Add</i>	18,728.05 1,422.71	2,863.58
35 20 16 61-0025 EA 72" Diameter Canal Gates..... <i>For Electric Motor Operated Valve, Add</i>	23,101.93 1,613.62	3,818.12
35 20 16 61-0026 Aluminum Flap Gates (35 20 16 61)		
35 20 16 61-0027 EA 18" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	2,484.99 907.27	286.36
35 20 16 61-0028 EA 20" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	2,770.43 911.36	306.81
35 20 16 61-0029 EA 24" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	3,053.27 915.45	327.27
35 20 16 61-0030 EA 30" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	4,163.62 926.36	381.84
35 20 16 61-0031 EA 36" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	5,167.60 941.64	458.17
35 20 16 61-0032 EA 42" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	7,344.18 964.54	572.72
35 20 16 61-0033 EA 48" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	9,277.23 1,002.72	763.59
35 20 16 61-0034 EA 54" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	11,940.86 1,079.09	1,145.43
35 20 16 61-0035 EA 60" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	15,736.98 1,177.27	1,636.33
35 20 16 61-0036 EA 66" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	20,282.26 1,308.17	2,290.86
35 20 16 61-0037 EA 72" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	25,131.14 1,504.53	3,272.65
35 20 16 61-0038 Steel Knife Gates Including Handwheel Operator (35 20 16 61) Note: ANSI 150 PSI. for hub, flange, or spigot ends.		
35 20 16 61-0039 EA 6" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	1,378.22 869.18	95.91
35 20 16 61-0040 EA 8" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	1,862.89 872.38	111.88
35 20 16 61-0041 EA 10" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	2,611.69 883.57	167.85
35 20 16 61-0042 EA 12" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	3,254.35 894.76	223.83
35 20 16 61-0043 EA 14" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	4,007.52 897.96	239.79
35 20 16 61-0044 EA 16" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	5,218.32 901.65	258.21
35 20 16 61-0045 EA 18" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	6,981.10 903.71	268.56
35 20 16 61-0046 EA 20" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	8,746.49 911.04	305.21
35 20 16 61-0047 EA 24" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	11,245.88 917.14	335.70
35 20 16 61-0048 EA 30" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	20,564.30 939.52	447.58
35 20 16 61-0049 EA 36" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	27,315.37 984.28	671.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 20 16 61-0050 Steel Hollow Jet Flow Gate Valve <small>(35 20 16 61)</small>		
35 20 16 61-0051 EA 6" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	1,292.97 <i>872.91</i>	114.55
35 20 16 61-0052 EA 8" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	2,018.43 <i>876.76</i>	133.77
35 20 16 61-0053 EA 10" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	2,408.71 <i>890.09</i>	200.45
35 20 16 61-0054 EA 12" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	3,066.45 <i>903.44</i>	267.13
35 20 16 61-0055 EA 14" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	4,659.42 <i>907.27</i>	286.36
35 20 16 61-0056 EA 16" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	5,633.98 <i>911.69</i>	308.45
35 20 16 61-0057 EA 18" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	9,545.06 <i>914.15</i>	320.72
35 20 16 61-0058 EA 20" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	12,019.44 <i>922.90</i>	364.49
35 20 16 61-0059 EA 24" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	17,333.20 <i>930.19</i>	400.90
35 20 16 61-0060 EA 30" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	21,216.20 <i>956.93</i>	534.67
35 20 16 61-0061 EA 36" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	30,261.26 <i>1,010.34</i>	801.80
35 20 16 61-0062 EA 42" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	36,055.18 <i>1,446.40</i>	981.79
35 20 16 61-0063 EA 48" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	42,761.90 <i>1,479.09</i>	1,145.43
35 20 16 61-0064 EA 54" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	56,344.53 <i>1,536.36</i>	1,431.79
35 20 16 61-0065 EA 60" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	62,704.77 <i>1,593.77</i>	1,718.14
35 20 16 61-0066 EA 66" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	79,950.75 <i>1,724.89</i>	2,372.67
35 20 16 61-0067 Steel Dish Head Valve <small>(35 20 16 61)</small>		
35 20 16 61-0068 EA 12" Diameter Dish Head Valve	1,586.68	286.36
35 20 16 61-0069 EA 18" Diameter Dish Head Valve	2,323.26	327.27
35 20 16 61-0070 EA 20" Diameter Dish Head Valve	2,683.03	357.94
35 20 16 61-0071 EA 24" Diameter Dish Head Valve	3,176.92	381.84
35 20 16 61-0072 EA 30" Diameter Dish Head Valve	4,811.30	458.17
35 20 16 61-0073 EA 36" Diameter Dish Head Valve	5,927.12	572.72
35 20 16 61-0074 EA 42" Diameter Dish Head Valve	10,013.05	763.59
35 20 16 61-0075 EA 48" Diameter Dish Head Valve	13,051.54	1,145.43
35 20 16 61-0076 EA 54" Diameter Dish Head Valve	18,619.22	1,431.79
35 20 16 61-0077 EA 60" Diameter Dish Head Valve	23,783.31	2,290.86
35 20 16 61-0078 EA 66" Diameter Dish Head Valve	33,040.40	2,863.58
35 20 16 61-0079 EA 72" Diameter Dish Head Valve	40,127.75	3,818.12
35 20 19 Hydraulic Valves <small>(35 20)</small>		
35 20 19 13 Hydraulic Butterfly Valves <small>(35 20 19)</small>		
35 20 19 13-0001 IN Butterfly Valve, Cast Iron, Custom Made, >54" Diameter, Per Inch Of Diameter Of Valve.....	695.31	61.36

END OF SECTION 35

35 Waterway and Marine Construction

35 20 Waterway and Marine Construction and Equipment

35 20 19 Hydraulic Valves



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 Process Interconnections

40 05 Common Work Results For Process Interconnections ⁽⁴⁰⁾

40 05 19 Ductile Iron Process Pipe ^(40 05)

40 05 19 00-0001 Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping ^(40 05 19)

Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04.

40 05 19 00-0002 Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-0001)

40 05 19 00-0003 4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-0002)

40 05 19 00-0004	EA 4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	390.34	129.33
	For Class 52 Rating, Deduct	-21.38	
	For Class 54 Rating, Add	14.58	
	For Class 55 Rating, Add	32.41	
40 05 19 00-0005	EA 4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	414.57	131.58
	For Class 52 Rating, Deduct	-23.67	
	For Class 54 Rating, Add	16.14	
	For Class 55 Rating, Add	35.87	
40 05 19 00-0006	EA 4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	438.80	133.84
	For Class 52 Rating, Deduct	-25.96	
	For Class 54 Rating, Add	17.70	
	For Class 55 Rating, Add	39.34	
40 05 19 00-0007	EA 4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	463.01	136.10
	For Class 52 Rating, Deduct	-28.25	
	For Class 54 Rating, Add	19.26	
	For Class 55 Rating, Add	42.81	
40 05 19 00-0008	EA 4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	487.24	138.36
	For Class 52 Rating, Deduct	-30.54	
	For Class 54 Rating, Add	20.82	
	For Class 55 Rating, Add	46.28	
40 05 19 00-0009	EA 4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	511.47	140.63
	For Class 52 Rating, Deduct	-32.82	
	For Class 54 Rating, Add	22.38	
	For Class 55 Rating, Add	49.74	
40 05 19 00-0010	EA 4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	535.69	142.88
	For Class 52 Rating, Deduct	-35.11	
	For Class 54 Rating, Add	23.94	
	For Class 55 Rating, Add	53.21	
40 05 19 00-0011	EA 4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	559.92	145.15
	For Class 52 Rating, Deduct	-37.40	
	For Class 54 Rating, Add	25.50	
	For Class 55 Rating, Add	56.68	
40 05 19 00-0012	EA 4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	584.15	147.41
	For Class 52 Rating, Deduct	-39.69	
	For Class 54 Rating, Add	27.06	
	For Class 55 Rating, Add	60.15	
40 05 19 00-0013	EA 4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	608.37	149.66
	For Class 52 Rating, Deduct	-41.98	
	For Class 54 Rating, Add	28.62	
	For Class 55 Rating, Add	63.61	
40 05 19 00-0014	EA 4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	632.59	151.93
	For Class 52 Rating, Deduct	-44.26	
	For Class 54 Rating, Add	30.18	
	For Class 55 Rating, Add	67.08	
40 05 19 00-0015	EA 4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	656.82	154.19
	For Class 52 Rating, Deduct	-46.55	
	For Class 54 Rating, Add	31.74	
	For Class 55 Rating, Add	70.55	
40 05 19 00-0016	EA 4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	681.04	156.45
	For Class 52 Rating, Deduct	-48.84	
	For Class 54 Rating, Add	33.30	
	For Class 55 Rating, Add	74.01	
40 05 19 00-0017	EA 4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	705.27	158.71
	For Class 52 Rating, Deduct	-51.13	
	For Class 54 Rating, Add	34.86	
	For Class 55 Rating, Add	77.48	
40 05 19 00-0018	EA 4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	729.50	160.98
	For Class 52 Rating, Deduct	-53.42	
	For Class 54 Rating, Add	36.42	
	For Class 55 Rating, Add	80.95	
40 05 19 00-0019	EA 4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	753.73	163.23
	For Class 52 Rating, Deduct	-55.70	
	For Class 54 Rating, Add	37.98	
	For Class 55 Rating, Add	84.42	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0020	EA		4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	777.95	165.49
			<i>For Class 52 Rating, Deduct</i>	-57.99	
			<i>For Class 54 Rating, Add</i>	39.54	
			<i>For Class 55 Rating, Add</i>	87.88	
40 05 19 00-0021	EA		4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	802.18	167.76
			<i>For Class 52 Rating, Deduct</i>	-60.28	
			<i>For Class 54 Rating, Add</i>	41.10	
			<i>For Class 55 Rating, Add</i>	91.35	
40 05 19 00-0022	EA		4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	826.40	170.01
			<i>For Class 52 Rating, Deduct</i>	-62.57	
			<i>For Class 54 Rating, Add</i>	42.66	
			<i>For Class 55 Rating, Add</i>	94.82	
40 05 19 00-0023	EA		4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	850.62	172.28
			<i>For Class 52 Rating, Deduct</i>	-64.86	
			<i>For Class 54 Rating, Add</i>	44.22	
			<i>For Class 55 Rating, Add</i>	98.29	
40 05 19 00-0024	EA		4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	874.85	174.54
			<i>For Class 52 Rating, Deduct</i>	-67.14	
			<i>For Class 54 Rating, Add</i>	45.78	
			<i>For Class 55 Rating, Add</i>	101.75	
40 05 19 00-0025	EA		4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	899.08	176.80
			<i>For Class 52 Rating, Deduct</i>	-69.43	
			<i>For Class 54 Rating, Add</i>	47.34	
			<i>For Class 55 Rating, Add</i>	105.22	
40 05 19 00-0026	EA		4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	923.30	179.06
			<i>For Class 52 Rating, Deduct</i>	-71.72	
			<i>For Class 54 Rating, Add</i>	48.90	
			<i>For Class 55 Rating, Add</i>	108.69	
40 05 19 00-0027	EA		4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	947.53	181.32
			<i>For Class 52 Rating, Deduct</i>	-74.01	
			<i>For Class 54 Rating, Add</i>	50.46	
			<i>For Class 55 Rating, Add</i>	112.16	
40 05 19 00-0028	EA		4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	971.76	183.58
			<i>For Class 52 Rating, Deduct</i>	-76.30	
			<i>For Class 54 Rating, Add</i>	52.02	
			<i>For Class 55 Rating, Add</i>	115.62	
40 05 19 00-0029	EA		4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	995.97	185.84
			<i>For Class 52 Rating, Deduct</i>	-78.58	
			<i>For Class 54 Rating, Add</i>	53.58	
			<i>For Class 55 Rating, Add</i>	119.09	
40 05 19 00-0030	EA		4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,020.20	188.10
			<i>For Class 52 Rating, Deduct</i>	-80.87	
			<i>For Class 54 Rating, Add</i>	55.14	
			<i>For Class 55 Rating, Add</i>	122.56	
40 05 19 00-0031	EA		4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,044.43	190.36
			<i>For Class 52 Rating, Deduct</i>	-83.16	
			<i>For Class 54 Rating, Add</i>	56.70	
			<i>For Class 55 Rating, Add</i>	126.03	
40 05 19 00-0032	EA		4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,068.65	192.63
			<i>For Class 52 Rating, Deduct</i>	-85.45	
			<i>For Class 54 Rating, Add</i>	58.26	
			<i>For Class 55 Rating, Add</i>	129.49	
40 05 19 00-0033	EA		4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,092.88	194.88
			<i>For Class 52 Rating, Deduct</i>	-87.74	
			<i>For Class 54 Rating, Add</i>	59.82	
			<i>For Class 55 Rating, Add</i>	132.96	
40 05 19 00-0034	EA		4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,117.11	197.14
			<i>For Class 52 Rating, Deduct</i>	-90.02	
			<i>For Class 54 Rating, Add</i>	61.38	
			<i>For Class 55 Rating, Add</i>	136.43	
40 05 19 00-0035	EA		4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,141.33	199.41
			<i>For Class 52 Rating, Deduct</i>	-92.31	
			<i>For Class 54 Rating, Add</i>	62.94	
			<i>For Class 55 Rating, Add</i>	139.89	
40 05 19 00-0036	EA		4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,165.56	201.66
			<i>For Class 52 Rating, Deduct</i>	-94.60	
			<i>For Class 54 Rating, Add</i>	64.50	
			<i>For Class 55 Rating, Add</i>	143.36	
40 05 19 00-0037	EA		4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,189.78	203.93
			<i>For Class 52 Rating, Deduct</i>	-96.89	
			<i>For Class 54 Rating, Add</i>	66.06	
			<i>For Class 55 Rating, Add</i>	146.83	
40 05 19 00-0038	EA		4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,214.01	206.19
			<i>For Class 52 Rating, Deduct</i>	-99.18	
			<i>For Class 54 Rating, Add</i>	67.62	
			<i>For Class 55 Rating, Add</i>	150.30	
40 05 19 00-0039	EA		4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,238.23	208.45
			<i>For Class 52 Rating, Deduct</i>	-101.46	
			<i>For Class 54 Rating, Add</i>	69.18	
			<i>For Class 55 Rating, Add</i>	153.76	
40 05 19 00-0040	EA		4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,262.46	210.71
			<i>For Class 52 Rating, Deduct</i>	-103.75	
			<i>For Class 54 Rating, Add</i>	70.74	
			<i>For Class 55 Rating, Add</i>	157.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0041 EA 4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,286.69	212.98
<i>For Class 52 Rating, Deduct</i>	-106.04	
<i>For Class 54 Rating, Add</i>	72.30	
<i>For Class 55 Rating, Add</i>	160.70	
40 05 19 00-0042 EA 4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,310.91	215.23
<i>For Class 52 Rating, Deduct</i>	-108.33	
<i>For Class 54 Rating, Add</i>	73.86	
<i>For Class 55 Rating, Add</i>	164.17	
40 05 19 00-0043 6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0044 EA 6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	493.83	162.78
<i>For Class 52 Rating, Deduct</i>	-27.19	
<i>For Class 54 Rating, Add</i>	18.54	
<i>For Class 55 Rating, Add</i>	41.21	
40 05 19 00-0045 EA 6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	522.86	165.05
<i>For Class 52 Rating, Deduct</i>	-30.01	
<i>For Class 54 Rating, Add</i>	20.46	
<i>For Class 55 Rating, Add</i>	45.48	
40 05 19 00-0046 EA 6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	551.89	167.30
<i>For Class 52 Rating, Deduct</i>	-32.82	
<i>For Class 54 Rating, Add</i>	22.38	
<i>For Class 55 Rating, Add</i>	49.74	
40 05 19 00-0047 EA 6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	580.91	169.56
<i>For Class 52 Rating, Deduct</i>	-35.64	
<i>For Class 54 Rating, Add</i>	24.30	
<i>For Class 55 Rating, Add</i>	54.01	
40 05 19 00-0048 EA 6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	609.94	171.83
<i>For Class 52 Rating, Deduct</i>	-38.46	
<i>For Class 54 Rating, Add</i>	26.22	
<i>For Class 55 Rating, Add</i>	58.28	
40 05 19 00-0049 EA 6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	638.97	174.08
<i>For Class 52 Rating, Deduct</i>	-41.27	
<i>For Class 54 Rating, Add</i>	28.14	
<i>For Class 55 Rating, Add</i>	62.55	
40 05 19 00-0050 EA 6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	667.99	176.35
<i>For Class 52 Rating, Deduct</i>	-44.09	
<i>For Class 54 Rating, Add</i>	30.06	
<i>For Class 55 Rating, Add</i>	66.81	
40 05 19 00-0051 EA 6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	697.01	178.61
<i>For Class 52 Rating, Deduct</i>	-46.90	
<i>For Class 54 Rating, Add</i>	31.98	
<i>For Class 55 Rating, Add</i>	71.08	
40 05 19 00-0052 EA 6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	726.04	180.87
<i>For Class 52 Rating, Deduct</i>	-49.72	
<i>For Class 54 Rating, Add</i>	33.90	
<i>For Class 55 Rating, Add</i>	75.35	
40 05 19 00-0053 EA 6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	755.07	183.13
<i>For Class 52 Rating, Deduct</i>	-52.54	
<i>For Class 54 Rating, Add</i>	35.82	
<i>For Class 55 Rating, Add</i>	79.62	
40 05 19 00-0054 EA 6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	784.09	185.39
<i>For Class 52 Rating, Deduct</i>	-55.35	
<i>For Class 54 Rating, Add</i>	37.74	
<i>For Class 55 Rating, Add</i>	83.88	
40 05 19 00-0055 EA 6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	813.12	187.65
<i>For Class 52 Rating, Deduct</i>	-58.17	
<i>For Class 54 Rating, Add</i>	39.66	
<i>For Class 55 Rating, Add</i>	88.15	
40 05 19 00-0056 EA 6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	842.15	189.91
<i>For Class 52 Rating, Deduct</i>	-60.98	
<i>For Class 54 Rating, Add</i>	41.58	
<i>For Class 55 Rating, Add</i>	92.42	
40 05 19 00-0057 EA 6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	871.17	192.17
<i>For Class 52 Rating, Deduct</i>	-63.80	
<i>For Class 54 Rating, Add</i>	43.50	
<i>For Class 55 Rating, Add</i>	96.69	
40 05 19 00-0058 EA 6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	900.20	194.43
<i>For Class 52 Rating, Deduct</i>	-66.62	
<i>For Class 54 Rating, Add</i>	45.42	
<i>For Class 55 Rating, Add</i>	100.95	
40 05 19 00-0059 EA 6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	929.22	196.70
<i>For Class 52 Rating, Deduct</i>	-69.43	
<i>For Class 54 Rating, Add</i>	47.34	
<i>For Class 55 Rating, Add</i>	105.22	
40 05 19 00-0060 EA 6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	958.24	198.95
<i>For Class 52 Rating, Deduct</i>	-72.25	
<i>For Class 54 Rating, Add</i>	49.26	
<i>For Class 55 Rating, Add</i>	109.49	
40 05 19 00-0061 EA 6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	987.27	201.21
<i>For Class 52 Rating, Deduct</i>	-75.06	
<i>For Class 54 Rating, Add</i>	51.18	
<i>For Class 55 Rating, Add</i>	113.76	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0062	EA		6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,016.30	203.48
			<i>For Class 52 Rating, Deduct</i>	-77.88	
			<i>For Class 54 Rating, Add</i>	53.10	
			<i>For Class 55 Rating, Add</i>	118.02	
40 05 19 00-0063	EA		6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,045.32	205.73
			<i>For Class 52 Rating, Deduct</i>	-80.70	
			<i>For Class 54 Rating, Add</i>	55.02	
			<i>For Class 55 Rating, Add</i>	122.29	
40 05 19 00-0064	EA		6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,074.35	208.00
			<i>For Class 52 Rating, Deduct</i>	-83.51	
			<i>For Class 54 Rating, Add</i>	56.94	
			<i>For Class 55 Rating, Add</i>	126.56	
40 05 19 00-0065	EA		6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,103.38	210.26
			<i>For Class 52 Rating, Deduct</i>	-86.33	
			<i>For Class 54 Rating, Add</i>	58.86	
			<i>For Class 55 Rating, Add</i>	130.83	
40 05 19 00-0066	EA		6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,132.39	212.52
			<i>For Class 52 Rating, Deduct</i>	-89.14	
			<i>For Class 54 Rating, Add</i>	60.78	
			<i>For Class 55 Rating, Add</i>	135.09	
40 05 19 00-0067	EA		6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,161.42	214.78
			<i>For Class 52 Rating, Deduct</i>	-91.96	
			<i>For Class 54 Rating, Add</i>	62.70	
			<i>For Class 55 Rating, Add</i>	139.36	
40 05 19 00-0068	EA		6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,190.45	217.04
			<i>For Class 52 Rating, Deduct</i>	-94.78	
			<i>For Class 54 Rating, Add</i>	64.62	
			<i>For Class 55 Rating, Add</i>	143.63	
40 05 19 00-0069	EA		6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,219.48	219.30
			<i>For Class 52 Rating, Deduct</i>	-97.59	
			<i>For Class 54 Rating, Add</i>	66.54	
			<i>For Class 55 Rating, Add</i>	147.90	
40 05 19 00-0070	EA		6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,248.50	221.56
			<i>For Class 52 Rating, Deduct</i>	-100.41	
			<i>For Class 54 Rating, Add</i>	68.46	
			<i>For Class 55 Rating, Add</i>	152.16	
40 05 19 00-0071	EA		6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,277.53	223.83
			<i>For Class 52 Rating, Deduct</i>	-103.22	
			<i>For Class 54 Rating, Add</i>	70.38	
			<i>For Class 55 Rating, Add</i>	156.43	
40 05 19 00-0072	EA		6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,306.56	226.08
			<i>For Class 52 Rating, Deduct</i>	-106.04	
			<i>For Class 54 Rating, Add</i>	72.30	
			<i>For Class 55 Rating, Add</i>	160.70	
40 05 19 00-0073	EA		6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,335.58	228.35
			<i>For Class 52 Rating, Deduct</i>	-108.86	
			<i>For Class 54 Rating, Add</i>	74.22	
			<i>For Class 55 Rating, Add</i>	164.97	
40 05 19 00-0074	EA		6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,364.60	230.61
			<i>For Class 52 Rating, Deduct</i>	-111.67	
			<i>For Class 54 Rating, Add</i>	76.14	
			<i>For Class 55 Rating, Add</i>	169.23	
40 05 19 00-0075	EA		6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,393.63	232.86
			<i>For Class 52 Rating, Deduct</i>	-114.49	
			<i>For Class 54 Rating, Add</i>	78.06	
			<i>For Class 55 Rating, Add</i>	173.50	
40 05 19 00-0076	EA		6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,422.65	235.13
			<i>For Class 52 Rating, Deduct</i>	-117.30	
			<i>For Class 54 Rating, Add</i>	79.98	
			<i>For Class 55 Rating, Add</i>	177.77	
40 05 19 00-0077	EA		6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,451.68	237.39
			<i>For Class 52 Rating, Deduct</i>	-120.12	
			<i>For Class 54 Rating, Add</i>	81.90	
			<i>For Class 55 Rating, Add</i>	182.04	
40 05 19 00-0078	EA		6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,480.71	239.65
			<i>For Class 52 Rating, Deduct</i>	-122.94	
			<i>For Class 54 Rating, Add</i>	83.82	
			<i>For Class 55 Rating, Add</i>	186.30	
40 05 19 00-0079	EA		6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,509.73	241.91
			<i>For Class 52 Rating, Deduct</i>	-125.75	
			<i>For Class 54 Rating, Add</i>	85.74	
			<i>For Class 55 Rating, Add</i>	190.57	
40 05 19 00-0080	EA		6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,538.76	244.17
			<i>For Class 52 Rating, Deduct</i>	-128.57	
			<i>For Class 54 Rating, Add</i>	87.66	
			<i>For Class 55 Rating, Add</i>	194.84	
40 05 19 00-0081	EA		6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,567.78	246.43
			<i>For Class 52 Rating, Deduct</i>	-131.38	
			<i>For Class 54 Rating, Add</i>	89.58	
			<i>For Class 55 Rating, Add</i>	199.11	
40 05 19 00-0082	EA		6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,596.80	248.70
			<i>For Class 52 Rating, Deduct</i>	-134.20	
			<i>For Class 54 Rating, Add</i>	91.50	
			<i>For Class 55 Rating, Add</i>	203.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0083 8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0084 EA 8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	679.15	208.00
<i>For Class 52 Rating, Deduct</i>	-40.04	
<i>For Class 54 Rating, Add</i>	27.30	
<i>For Class 55 Rating, Add</i>	60.68	
40 05 19 00-0085 EA 8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	717.78	210.26
<i>For Class 52 Rating, Deduct</i>	-43.91	
<i>For Class 54 Rating, Add</i>	29.94	
<i>For Class 55 Rating, Add</i>	66.55	
40 05 19 00-0086 EA 8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	756.39	212.52
<i>For Class 52 Rating, Deduct</i>	-47.78	
<i>For Class 54 Rating, Add</i>	32.58	
<i>For Class 55 Rating, Add</i>	72.41	
40 05 19 00-0087 EA 8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	795.02	214.78
<i>For Class 52 Rating, Deduct</i>	-51.66	
<i>For Class 54 Rating, Add</i>	35.22	
<i>For Class 55 Rating, Add</i>	78.28	
40 05 19 00-0088 EA 8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	833.65	217.04
<i>For Class 52 Rating, Deduct</i>	-55.53	
<i>For Class 54 Rating, Add</i>	37.86	
<i>For Class 55 Rating, Add</i>	84.15	
40 05 19 00-0089 EA 8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	872.28	219.30
<i>For Class 52 Rating, Deduct</i>	-59.40	
<i>For Class 54 Rating, Add</i>	40.50	
<i>For Class 55 Rating, Add</i>	90.02	
40 05 19 00-0090 EA 8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	910.90	221.56
<i>For Class 52 Rating, Deduct</i>	-63.27	
<i>For Class 54 Rating, Add</i>	43.14	
<i>For Class 55 Rating, Add</i>	95.89	
40 05 19 00-0091 EA 8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	949.53	223.83
<i>For Class 52 Rating, Deduct</i>	-67.14	
<i>For Class 54 Rating, Add</i>	45.78	
<i>For Class 55 Rating, Add</i>	101.75	
40 05 19 00-0092 EA 8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	988.16	226.08
<i>For Class 52 Rating, Deduct</i>	-71.02	
<i>For Class 54 Rating, Add</i>	48.42	
<i>For Class 55 Rating, Add</i>	107.62	
40 05 19 00-0093 EA 8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,026.78	228.35
<i>For Class 52 Rating, Deduct</i>	-74.89	
<i>For Class 54 Rating, Add</i>	51.06	
<i>For Class 55 Rating, Add</i>	113.49	
40 05 19 00-0094 EA 8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,065.40	230.61
<i>For Class 52 Rating, Deduct</i>	-78.76	
<i>For Class 54 Rating, Add</i>	53.70	
<i>For Class 55 Rating, Add</i>	119.36	
40 05 19 00-0095 EA 8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,104.03	232.86
<i>For Class 52 Rating, Deduct</i>	-82.63	
<i>For Class 54 Rating, Add</i>	56.34	
<i>For Class 55 Rating, Add</i>	125.23	
40 05 19 00-0096 EA 8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,142.65	235.13
<i>For Class 52 Rating, Deduct</i>	-86.50	
<i>For Class 54 Rating, Add</i>	58.98	
<i>For Class 55 Rating, Add</i>	131.09	
40 05 19 00-0097 EA 8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,181.28	237.39
<i>For Class 52 Rating, Deduct</i>	-90.38	
<i>For Class 54 Rating, Add</i>	61.62	
<i>For Class 55 Rating, Add</i>	136.96	
40 05 19 00-0098 EA 8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,219.91	239.65
<i>For Class 52 Rating, Deduct</i>	-94.25	
<i>For Class 54 Rating, Add</i>	64.26	
<i>For Class 55 Rating, Add</i>	142.83	
40 05 19 00-0099 EA 8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,258.53	241.91
<i>For Class 52 Rating, Deduct</i>	-98.12	
<i>For Class 54 Rating, Add</i>	66.90	
<i>For Class 55 Rating, Add</i>	148.70	
40 05 19 00-0100 EA 8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,297.16	244.17
<i>For Class 52 Rating, Deduct</i>	-101.99	
<i>For Class 54 Rating, Add</i>	69.54	
<i>For Class 55 Rating, Add</i>	154.56	
40 05 19 00-0101 EA 8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,335.78	246.43
<i>For Class 52 Rating, Deduct</i>	-105.86	
<i>For Class 54 Rating, Add</i>	72.18	
<i>For Class 55 Rating, Add</i>	160.43	
40 05 19 00-0102 EA 8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,374.40	248.70
<i>For Class 52 Rating, Deduct</i>	-109.74	
<i>For Class 54 Rating, Add</i>	74.82	
<i>For Class 55 Rating, Add</i>	166.30	
40 05 19 00-0103 EA 8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,413.03	250.95
<i>For Class 52 Rating, Deduct</i>	-113.61	
<i>For Class 54 Rating, Add</i>	77.46	
<i>For Class 55 Rating, Add</i>	172.17	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0104 EA 8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,451.66	253.21
For Class 52 Rating, Deduct	-117.48	
For Class 54 Rating, Add	80.10	
For Class 55 Rating, Add	178.04	
40 05 19 00-0105 EA 8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,490.28	255.48
For Class 52 Rating, Deduct	-121.35	
For Class 54 Rating, Add	82.74	
For Class 55 Rating, Add	183.90	
40 05 19 00-0106 EA 8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,528.91	257.73
For Class 52 Rating, Deduct	-125.22	
For Class 54 Rating, Add	85.38	
For Class 55 Rating, Add	189.77	
40 05 19 00-0107 EA 8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,567.54	260.00
For Class 52 Rating, Deduct	-129.10	
For Class 54 Rating, Add	88.02	
For Class 55 Rating, Add	195.64	
40 05 19 00-0108 EA 8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,606.17	262.26
For Class 52 Rating, Deduct	-132.97	
For Class 54 Rating, Add	90.66	
For Class 55 Rating, Add	201.51	
40 05 19 00-0109 EA 8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,644.78	264.52
For Class 52 Rating, Deduct	-136.84	
For Class 54 Rating, Add	93.30	
For Class 55 Rating, Add	207.37	
40 05 19 00-0110 EA 8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,683.41	266.78
For Class 52 Rating, Deduct	-140.71	
For Class 54 Rating, Add	95.94	
For Class 55 Rating, Add	213.24	
40 05 19 00-0111 EA 8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,722.04	269.04
For Class 52 Rating, Deduct	-144.58	
For Class 54 Rating, Add	98.58	
For Class 55 Rating, Add	219.11	
40 05 19 00-0112 EA 8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,760.66	271.30
For Class 52 Rating, Deduct	-148.46	
For Class 54 Rating, Add	101.22	
For Class 55 Rating, Add	224.98	
40 05 19 00-0113 EA 8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,799.29	273.56
For Class 52 Rating, Deduct	-152.33	
For Class 54 Rating, Add	103.86	
For Class 55 Rating, Add	230.85	
40 05 19 00-0114 EA 8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,837.92	275.83
For Class 52 Rating, Deduct	-156.20	
For Class 54 Rating, Add	106.50	
For Class 55 Rating, Add	236.71	
40 05 19 00-0115 EA 8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,876.54	278.08
For Class 52 Rating, Deduct	-160.07	
For Class 54 Rating, Add	109.14	
For Class 55 Rating, Add	242.58	
40 05 19 00-0116 EA 8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,915.16	280.35
For Class 52 Rating, Deduct	-163.94	
For Class 54 Rating, Add	111.78	
For Class 55 Rating, Add	248.45	
40 05 19 00-0117 EA 8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,953.79	282.61
For Class 52 Rating, Deduct	-167.82	
For Class 54 Rating, Add	114.42	
For Class 55 Rating, Add	254.32	
40 05 19 00-0118 EA 8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,992.41	284.86
For Class 52 Rating, Deduct	-171.69	
For Class 54 Rating, Add	117.06	
For Class 55 Rating, Add	260.19	
40 05 19 00-0119 EA 8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,031.04	287.13
For Class 52 Rating, Deduct	-175.56	
For Class 54 Rating, Add	119.70	
For Class 55 Rating, Add	266.05	
40 05 19 00-0120 EA 8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,069.67	289.39
For Class 52 Rating, Deduct	-179.43	
For Class 54 Rating, Add	122.34	
For Class 55 Rating, Add	271.92	
40 05 19 00-0121 EA 8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,108.29	291.65
For Class 52 Rating, Deduct	-183.30	
For Class 54 Rating, Add	124.98	
For Class 55 Rating, Add	277.79	
40 05 19 00-0122 EA 8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,146.92	293.91
For Class 52 Rating, Deduct	-187.18	
For Class 54 Rating, Add	127.62	
For Class 55 Rating, Add	283.66	
40 05 19 00-0123 10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)		
40 05 19 00-0124 EA 10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	850.86	253.21
For Class 52 Rating, Deduct	-51.39	
For Class 54 Rating, Add	35.04	
For Class 55 Rating, Add	77.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0125 EA 10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	900.68	255.48
<i>For Class 52 Rating, Deduct</i>	-56.50	
<i>For Class 54 Rating, Add</i>	38.52	
<i>For Class 55 Rating, Add</i>	85.62	
40 05 19 00-0126 EA 10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	950.51	257.73
<i>For Class 52 Rating, Deduct</i>	-61.60	
<i>For Class 54 Rating, Add</i>	42.00	
<i>For Class 55 Rating, Add</i>	93.35	
40 05 19 00-0127 EA 10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,000.34	260.00
<i>For Class 52 Rating, Deduct</i>	-66.70	
<i>For Class 54 Rating, Add</i>	45.48	
<i>For Class 55 Rating, Add</i>	101.09	
40 05 19 00-0128 EA 10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,050.17	262.26
<i>For Class 52 Rating, Deduct</i>	-71.81	
<i>For Class 54 Rating, Add</i>	48.96	
<i>For Class 55 Rating, Add</i>	108.82	
40 05 19 00-0129 EA 10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,099.98	264.52
<i>For Class 52 Rating, Deduct</i>	-76.91	
<i>For Class 54 Rating, Add</i>	52.44	
<i>For Class 55 Rating, Add</i>	116.56	
40 05 19 00-0130 EA 10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,149.81	266.78
<i>For Class 52 Rating, Deduct</i>	-82.02	
<i>For Class 54 Rating, Add</i>	55.92	
<i>For Class 55 Rating, Add</i>	124.29	
40 05 19 00-0131 EA 10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,199.64	269.04
<i>For Class 52 Rating, Deduct</i>	-87.12	
<i>For Class 54 Rating, Add</i>	59.40	
<i>For Class 55 Rating, Add</i>	132.03	
40 05 19 00-0132 EA 10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,249.46	271.30
<i>For Class 52 Rating, Deduct</i>	-92.22	
<i>For Class 54 Rating, Add</i>	62.88	
<i>For Class 55 Rating, Add</i>	139.76	
40 05 19 00-0133 EA 10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,299.29	273.56
<i>For Class 52 Rating, Deduct</i>	-97.33	
<i>For Class 54 Rating, Add</i>	66.36	
<i>For Class 55 Rating, Add</i>	147.50	
40 05 19 00-0134 EA 10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,349.12	275.83
<i>For Class 52 Rating, Deduct</i>	-102.43	
<i>For Class 54 Rating, Add</i>	69.84	
<i>For Class 55 Rating, Add</i>	155.23	
40 05 19 00-0135 EA 10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,398.94	278.08
<i>For Class 52 Rating, Deduct</i>	-107.54	
<i>For Class 54 Rating, Add</i>	73.32	
<i>For Class 55 Rating, Add</i>	162.97	
40 05 19 00-0136 EA 10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,448.76	280.35
<i>For Class 52 Rating, Deduct</i>	-112.64	
<i>For Class 54 Rating, Add</i>	76.80	
<i>For Class 55 Rating, Add</i>	170.70	
40 05 19 00-0137 EA 10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,498.59	282.61
<i>For Class 52 Rating, Deduct</i>	-117.74	
<i>For Class 54 Rating, Add</i>	80.28	
<i>For Class 55 Rating, Add</i>	178.44	
40 05 19 00-0138 EA 10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,548.41	284.86
<i>For Class 52 Rating, Deduct</i>	-122.85	
<i>For Class 54 Rating, Add</i>	83.76	
<i>For Class 55 Rating, Add</i>	186.17	
40 05 19 00-0139 EA 10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,598.24	287.13
<i>For Class 52 Rating, Deduct</i>	-127.95	
<i>For Class 54 Rating, Add</i>	87.24	
<i>For Class 55 Rating, Add</i>	193.91	
40 05 19 00-0140 EA 10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,648.07	289.39
<i>For Class 52 Rating, Deduct</i>	-133.06	
<i>For Class 54 Rating, Add</i>	90.72	
<i>For Class 55 Rating, Add</i>	201.64	
40 05 19 00-0141 EA 10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,697.89	291.65
<i>For Class 52 Rating, Deduct</i>	-138.16	
<i>For Class 54 Rating, Add</i>	94.20	
<i>For Class 55 Rating, Add</i>	209.38	
40 05 19 00-0142 EA 10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,747.72	293.91
<i>For Class 52 Rating, Deduct</i>	-143.26	
<i>For Class 54 Rating, Add</i>	97.68	
<i>For Class 55 Rating, Add</i>	217.11	
40 05 19 00-0143 EA 10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,797.55	296.17
<i>For Class 52 Rating, Deduct</i>	-148.37	
<i>For Class 54 Rating, Add</i>	101.16	
<i>For Class 55 Rating, Add</i>	224.84	
40 05 19 00-0144 EA 10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,847.37	298.43
<i>For Class 52 Rating, Deduct</i>	-153.47	
<i>For Class 54 Rating, Add</i>	104.64	
<i>For Class 55 Rating, Add</i>	232.58	
40 05 19 00-0145 EA 10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,897.19	300.69
<i>For Class 52 Rating, Deduct</i>	-158.58	
<i>For Class 54 Rating, Add</i>	108.12	
<i>For Class 55 Rating, Add</i>	240.31	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0146	EA	10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,947.02	302.95
		<i>For Class 52 Rating, Deduct</i>	-163.68	
		<i>For Class 54 Rating, Add</i>	111.60	
		<i>For Class 55 Rating, Add</i>	248.05	
40 05 19 00-0147	EA	10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,996.85	305.21
		<i>For Class 52 Rating, Deduct</i>	-168.78	
		<i>For Class 54 Rating, Add</i>	115.08	
		<i>For Class 55 Rating, Add</i>	255.78	
40 05 19 00-0148	EA	10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,046.67	307.48
		<i>For Class 52 Rating, Deduct</i>	-173.89	
		<i>For Class 54 Rating, Add</i>	118.56	
		<i>For Class 55 Rating, Add</i>	263.52	
40 05 19 00-0149	EA	10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,096.50	309.73
		<i>For Class 52 Rating, Deduct</i>	-178.99	
		<i>For Class 54 Rating, Add</i>	122.04	
		<i>For Class 55 Rating, Add</i>	271.25	
40 05 19 00-0150	EA	10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,146.33	312.00
		<i>For Class 52 Rating, Deduct</i>	-184.10	
		<i>For Class 54 Rating, Add</i>	125.52	
		<i>For Class 55 Rating, Add</i>	278.99	
40 05 19 00-0151	EA	10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,196.14	314.26
		<i>For Class 52 Rating, Deduct</i>	-189.20	
		<i>For Class 54 Rating, Add</i>	129.00	
		<i>For Class 55 Rating, Add</i>	286.72	
40 05 19 00-0152	EA	10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,245.97	316.51
		<i>For Class 52 Rating, Deduct</i>	-194.30	
		<i>For Class 54 Rating, Add</i>	132.48	
		<i>For Class 55 Rating, Add</i>	294.46	
40 05 19 00-0153	EA	10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,295.80	318.78
		<i>For Class 52 Rating, Deduct</i>	-199.41	
		<i>For Class 54 Rating, Add</i>	135.96	
		<i>For Class 55 Rating, Add</i>	302.19	
40 05 19 00-0154	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,345.62	321.04
		<i>For Class 52 Rating, Deduct</i>	-204.51	
		<i>For Class 54 Rating, Add</i>	139.44	
		<i>For Class 55 Rating, Add</i>	309.93	
40 05 19 00-0155	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,394.65	323.30
		<i>For Class 52 Rating, Deduct</i>	-209.53	
		<i>For Class 54 Rating, Add</i>	142.86	
		<i>For Class 55 Rating, Add</i>	317.53	
40 05 19 00-0156	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,445.28	325.56
		<i>For Class 52 Rating, Deduct</i>	-214.72	
		<i>For Class 54 Rating, Add</i>	146.40	
		<i>For Class 55 Rating, Add</i>	325.40	
40 05 19 00-0157	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,495.10	327.83
		<i>For Class 52 Rating, Deduct</i>	-219.82	
		<i>For Class 54 Rating, Add</i>	149.88	
		<i>For Class 55 Rating, Add</i>	333.13	
40 05 19 00-0158	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,544.93	330.08
		<i>For Class 52 Rating, Deduct</i>	-224.93	
		<i>For Class 54 Rating, Add</i>	153.36	
		<i>For Class 55 Rating, Add</i>	340.87	
40 05 19 00-0159	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,594.75	332.35
		<i>For Class 52 Rating, Deduct</i>	-230.03	
		<i>For Class 54 Rating, Add</i>	156.84	
		<i>For Class 55 Rating, Add</i>	348.60	
40 05 19 00-0160	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,644.57	334.61
		<i>For Class 52 Rating, Deduct</i>	-235.14	
		<i>For Class 54 Rating, Add</i>	160.32	
		<i>For Class 55 Rating, Add</i>	356.34	
40 05 19 00-0161	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,694.40	336.86
		<i>For Class 52 Rating, Deduct</i>	-240.24	
		<i>For Class 54 Rating, Add</i>	163.80	
		<i>For Class 55 Rating, Add</i>	364.07	
40 05 19 00-0162	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,744.23	339.13
		<i>For Class 52 Rating, Deduct</i>	-245.34	
		<i>For Class 54 Rating, Add</i>	167.28	
		<i>For Class 55 Rating, Add</i>	371.81	
40 05 19 00-0163		12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)		
40 05 19 00-0164	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,105.17	316.51
		<i>For Class 52 Rating, Deduct</i>	-68.82	
		<i>For Class 54 Rating, Add</i>	46.92	
		<i>For Class 55 Rating, Add</i>	104.29	
40 05 19 00-0165	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,167.00	318.78
		<i>For Class 52 Rating, Deduct</i>	-75.24	
		<i>For Class 54 Rating, Add</i>	51.30	
		<i>For Class 55 Rating, Add</i>	114.02	
40 05 19 00-0166	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,228.82	321.04
		<i>For Class 52 Rating, Deduct</i>	-81.66	
		<i>For Class 54 Rating, Add</i>	55.68	
		<i>For Class 55 Rating, Add</i>	123.76	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0167 EA 12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,290.65	323.30
<i>For Class 52 Rating, Deduct</i>	-88.09	
<i>For Class 54 Rating, Add</i>	60.06	
<i>For Class 55 Rating, Add</i>	133.49	
40 05 19 00-0168 EA 12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,352.48	325.56
<i>For Class 52 Rating, Deduct</i>	-94.51	
<i>For Class 54 Rating, Add</i>	64.44	
<i>For Class 55 Rating, Add</i>	143.23	
40 05 19 00-0169 EA 12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,414.30	327.83
<i>For Class 52 Rating, Deduct</i>	-100.94	
<i>For Class 54 Rating, Add</i>	68.82	
<i>For Class 55 Rating, Add</i>	152.96	
40 05 19 00-0170 EA 12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,476.13	330.08
<i>For Class 52 Rating, Deduct</i>	-107.36	
<i>For Class 54 Rating, Add</i>	73.20	
<i>For Class 55 Rating, Add</i>	162.70	
40 05 19 00-0171 EA 12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,537.95	332.35
<i>For Class 52 Rating, Deduct</i>	-113.78	
<i>For Class 54 Rating, Add</i>	77.58	
<i>For Class 55 Rating, Add</i>	172.43	
40 05 19 00-0172 EA 12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,599.77	334.61
<i>For Class 52 Rating, Deduct</i>	-120.21	
<i>For Class 54 Rating, Add</i>	81.96	
<i>For Class 55 Rating, Add</i>	182.17	
40 05 19 00-0173 EA 12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,661.60	336.86
<i>For Class 52 Rating, Deduct</i>	-126.63	
<i>For Class 54 Rating, Add</i>	86.34	
<i>For Class 55 Rating, Add</i>	191.91	
40 05 19 00-0174 EA 12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,723.43	339.13
<i>For Class 52 Rating, Deduct</i>	-133.06	
<i>For Class 54 Rating, Add</i>	90.72	
<i>For Class 55 Rating, Add</i>	201.64	
40 05 19 00-0175 EA 12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,785.26	341.39
<i>For Class 52 Rating, Deduct</i>	-139.48	
<i>For Class 54 Rating, Add</i>	95.10	
<i>For Class 55 Rating, Add</i>	211.38	
40 05 19 00-0176 EA 12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,847.08	343.65
<i>For Class 52 Rating, Deduct</i>	-145.90	
<i>For Class 54 Rating, Add</i>	99.48	
<i>For Class 55 Rating, Add</i>	221.11	
40 05 19 00-0177 EA 12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,908.91	345.91
<i>For Class 52 Rating, Deduct</i>	-152.33	
<i>For Class 54 Rating, Add</i>	103.86	
<i>For Class 55 Rating, Add</i>	230.85	
40 05 19 00-0178 EA 12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,970.73	348.17
<i>For Class 52 Rating, Deduct</i>	-158.75	
<i>For Class 54 Rating, Add</i>	108.24	
<i>For Class 55 Rating, Add</i>	240.58	
40 05 19 00-0179 EA 12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,032.55	350.43
<i>For Class 52 Rating, Deduct</i>	-165.18	
<i>For Class 54 Rating, Add</i>	112.62	
<i>For Class 55 Rating, Add</i>	250.32	
40 05 19 00-0180 EA 12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,094.38	352.69
<i>For Class 52 Rating, Deduct</i>	-171.60	
<i>For Class 54 Rating, Add</i>	117.00	
<i>For Class 55 Rating, Add</i>	260.05	
40 05 19 00-0181 EA 12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,156.21	354.95
<i>For Class 52 Rating, Deduct</i>	-178.02	
<i>For Class 54 Rating, Add</i>	121.38	
<i>For Class 55 Rating, Add</i>	269.79	
40 05 19 00-0182 EA 12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,218.03	357.21
<i>For Class 52 Rating, Deduct</i>	-184.45	
<i>For Class 54 Rating, Add</i>	125.76	
<i>For Class 55 Rating, Add</i>	279.52	
40 05 19 00-0183 EA 12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,279.86	359.48
<i>For Class 52 Rating, Deduct</i>	-190.87	
<i>For Class 54 Rating, Add</i>	130.14	
<i>For Class 55 Rating, Add</i>	289.26	
40 05 19 00-0184 EA 12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,341.69	361.73
<i>For Class 52 Rating, Deduct</i>	-197.30	
<i>For Class 54 Rating, Add</i>	134.52	
<i>For Class 55 Rating, Add</i>	298.99	
40 05 19 00-0185 EA 12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,403.51	364.00
<i>For Class 52 Rating, Deduct</i>	-203.72	
<i>For Class 54 Rating, Add</i>	138.90	
<i>For Class 55 Rating, Add</i>	308.73	
40 05 19 00-0186 EA 12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,465.33	366.26
<i>For Class 52 Rating, Deduct</i>	-210.14	
<i>For Class 54 Rating, Add</i>	143.28	
<i>For Class 55 Rating, Add</i>	318.46	
40 05 19 00-0187 EA 12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,527.16	368.51
<i>For Class 52 Rating, Deduct</i>	-216.57	
<i>For Class 54 Rating, Add</i>	147.66	
<i>For Class 55 Rating, Add</i>	328.20	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0188 EA 12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,588.98	370.78
For Class 52 Rating, Deduct	-222.99	
For Class 54 Rating, Add	152.04	
For Class 55 Rating, Add	337.93	
40 05 19 00-0189 EA 12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,650.81	373.04
For Class 52 Rating, Deduct	-229.42	
For Class 54 Rating, Add	156.42	
For Class 55 Rating, Add	347.67	
40 05 19 00-0190 EA 12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,712.64	375.30
For Class 52 Rating, Deduct	-235.84	
For Class 54 Rating, Add	160.80	
For Class 55 Rating, Add	357.40	
40 05 19 00-0191 EA 12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,774.47	377.56
For Class 52 Rating, Deduct	-242.26	
For Class 54 Rating, Add	165.18	
For Class 55 Rating, Add	367.14	
40 05 19 00-0192 EA 12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,836.29	379.83
For Class 52 Rating, Deduct	-248.69	
For Class 54 Rating, Add	169.56	
For Class 55 Rating, Add	376.88	
40 05 19 00-0193 EA 12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,898.11	382.08
For Class 52 Rating, Deduct	-255.11	
For Class 54 Rating, Add	173.94	
For Class 55 Rating, Add	386.61	
40 05 19 00-0194 EA 12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,959.94	384.34
For Class 52 Rating, Deduct	-261.54	
For Class 54 Rating, Add	178.32	
For Class 55 Rating, Add	396.35	
40 05 19 00-0195 EA 12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,021.76	386.61
For Class 52 Rating, Deduct	-267.96	
For Class 54 Rating, Add	182.70	
For Class 55 Rating, Add	406.08	
40 05 19 00-0196 EA 12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,083.59	388.86
For Class 52 Rating, Deduct	-274.38	
For Class 54 Rating, Add	187.08	
For Class 55 Rating, Add	415.82	
40 05 19 00-0197 EA 12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,145.42	391.13
For Class 52 Rating, Deduct	-280.81	
For Class 54 Rating, Add	191.46	
For Class 55 Rating, Add	425.55	
40 05 19 00-0198 EA 12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,207.24	393.39
For Class 52 Rating, Deduct	-287.23	
For Class 54 Rating, Add	195.84	
For Class 55 Rating, Add	435.29	
40 05 19 00-0199 EA 12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,269.07	395.65
For Class 52 Rating, Deduct	-293.66	
For Class 54 Rating, Add	200.22	
For Class 55 Rating, Add	445.02	
40 05 19 00-0200 EA 12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,330.90	397.91
For Class 52 Rating, Deduct	-300.08	
For Class 54 Rating, Add	204.60	
For Class 55 Rating, Add	454.76	
40 05 19 00-0201 EA 12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,392.71	400.17
For Class 52 Rating, Deduct	-306.50	
For Class 54 Rating, Add	208.98	
For Class 55 Rating, Add	464.49	
40 05 19 00-0202 EA 12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,454.54	402.43
For Class 52 Rating, Deduct	-312.93	
For Class 54 Rating, Add	213.36	
For Class 55 Rating, Add	474.23	
40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0204 EA 14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,451.49	379.83
For Class 52 Rating, Deduct	-96.36	
For Class 54 Rating, Add	65.70	
For Class 55 Rating, Add	146.03	
40 05 19 00-0205 EA 14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,526.11	382.08
For Class 52 Rating, Deduct	-104.19	
For Class 54 Rating, Add	71.04	
For Class 55 Rating, Add	157.90	
40 05 19 00-0206 EA 14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,600.74	384.34
For Class 52 Rating, Deduct	-112.02	
For Class 54 Rating, Add	76.38	
For Class 55 Rating, Add	169.77	
40 05 19 00-0207 EA 14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,675.36	386.61
For Class 52 Rating, Deduct	-119.86	
For Class 54 Rating, Add	81.72	
For Class 55 Rating, Add	181.64	
40 05 19 00-0208 EA 14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,749.99	388.86
For Class 52 Rating, Deduct	-127.69	
For Class 54 Rating, Add	87.06	
For Class 55 Rating, Add	193.51	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40 05 19
Ductile Iron Process Pipe	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0209 EA 14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,824.62	391.13
<i>For Class 52 Rating, Deduct</i>	-135.52	
<i>For Class 54 Rating, Add</i>	92.40	
<i>For Class 55 Rating, Add</i>	205.37	
40 05 19 00-0210 EA 14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,899.24	393.39
<i>For Class 52 Rating, Deduct</i>	-143.35	
<i>For Class 54 Rating, Add</i>	97.74	
<i>For Class 55 Rating, Add</i>	217.24	
40 05 19 00-0211 EA 14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,973.87	395.65
<i>For Class 52 Rating, Deduct</i>	-151.18	
<i>For Class 54 Rating, Add</i>	103.08	
<i>For Class 55 Rating, Add</i>	229.11	
40 05 19 00-0212 EA 14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,048.50	397.91
<i>For Class 52 Rating, Deduct</i>	-159.02	
<i>For Class 54 Rating, Add</i>	108.42	
<i>For Class 55 Rating, Add</i>	240.98	
40 05 19 00-0213 EA 14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,123.11	400.17
<i>For Class 52 Rating, Deduct</i>	-166.85	
<i>For Class 54 Rating, Add</i>	113.76	
<i>For Class 55 Rating, Add</i>	252.85	
40 05 19 00-0214 EA 14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,197.74	402.43
<i>For Class 52 Rating, Deduct</i>	-174.68	
<i>For Class 54 Rating, Add</i>	119.10	
<i>For Class 55 Rating, Add</i>	264.72	
40 05 19 00-0215 EA 14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,272.37	404.69
<i>For Class 52 Rating, Deduct</i>	-182.51	
<i>For Class 54 Rating, Add</i>	124.44	
<i>For Class 55 Rating, Add</i>	276.59	
40 05 19 00-0216 EA 14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,346.99	406.95
<i>For Class 52 Rating, Deduct</i>	-190.34	
<i>For Class 54 Rating, Add</i>	129.78	
<i>For Class 55 Rating, Add</i>	288.46	
40 05 19 00-0217 EA 14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,421.62	409.21
<i>For Class 52 Rating, Deduct</i>	-198.18	
<i>For Class 54 Rating, Add</i>	135.12	
<i>For Class 55 Rating, Add</i>	300.33	
40 05 19 00-0218 EA 14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,496.25	411.48
<i>For Class 52 Rating, Deduct</i>	-206.01	
<i>For Class 54 Rating, Add</i>	140.46	
<i>For Class 55 Rating, Add</i>	312.20	
40 05 19 00-0219 EA 14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,570.87	413.73
<i>For Class 52 Rating, Deduct</i>	-213.84	
<i>For Class 54 Rating, Add</i>	145.80	
<i>For Class 55 Rating, Add</i>	324.06	
40 05 19 00-0220 EA 14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,645.49	416.00
<i>For Class 52 Rating, Deduct</i>	-221.67	
<i>For Class 54 Rating, Add</i>	151.14	
<i>For Class 55 Rating, Add</i>	335.93	
40 05 19 00-0221 EA 14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,720.12	418.26
<i>For Class 52 Rating, Deduct</i>	-229.50	
<i>For Class 54 Rating, Add</i>	156.48	
<i>For Class 55 Rating, Add</i>	347.80	
40 05 19 00-0222 EA 14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,794.75	420.51
<i>For Class 52 Rating, Deduct</i>	-237.34	
<i>For Class 54 Rating, Add</i>	161.82	
<i>For Class 55 Rating, Add</i>	359.67	
40 05 19 00-0223 EA 14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,869.37	422.78
<i>For Class 52 Rating, Deduct</i>	-245.17	
<i>For Class 54 Rating, Add</i>	167.16	
<i>For Class 55 Rating, Add</i>	371.54	
40 05 19 00-0224 EA 14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,944.00	425.04
<i>For Class 52 Rating, Deduct</i>	-253.00	
<i>For Class 54 Rating, Add</i>	172.50	
<i>For Class 55 Rating, Add</i>	383.41	
40 05 19 00-0225 EA 14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,018.63	427.30
<i>For Class 52 Rating, Deduct</i>	-260.83	
<i>For Class 54 Rating, Add</i>	177.84	
<i>For Class 55 Rating, Add</i>	395.28	
40 05 19 00-0226 EA 14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,093.25	429.56
<i>For Class 52 Rating, Deduct</i>	-268.66	
<i>For Class 54 Rating, Add</i>	183.18	
<i>For Class 55 Rating, Add</i>	407.15	
40 05 19 00-0227 EA 14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,167.88	431.83
<i>For Class 52 Rating, Deduct</i>	-276.50	
<i>For Class 54 Rating, Add</i>	188.52	
<i>For Class 55 Rating, Add</i>	419.02	
40 05 19 00-0228 EA 14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,242.50	434.08
<i>For Class 52 Rating, Deduct</i>	-284.33	
<i>For Class 54 Rating, Add</i>	193.86	
<i>For Class 55 Rating, Add</i>	430.89	
40 05 19 00-0229 EA 14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,317.12	436.34
<i>For Class 52 Rating, Deduct</i>	-292.16	
<i>For Class 54 Rating, Add</i>	199.20	
<i>For Class 55 Rating, Add</i>	442.76	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0230	EA		14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,391.75	438.61
			<i>For Class 52 Rating, Deduct</i>	-299.99	
			<i>For Class 54 Rating, Add</i>	204.54	
			<i>For Class 55 Rating, Add</i>	454.62	
40 05 19 00-0231	EA		14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,466.38	440.86
			<i>For Class 52 Rating, Deduct</i>	-307.82	
			<i>For Class 54 Rating, Add</i>	209.88	
			<i>For Class 55 Rating, Add</i>	466.49	
40 05 19 00-0232	EA		14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,541.00	443.13
			<i>For Class 52 Rating, Deduct</i>	-315.66	
			<i>For Class 54 Rating, Add</i>	215.22	
			<i>For Class 55 Rating, Add</i>	478.36	
40 05 19 00-0233	EA		14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,615.63	445.39
			<i>For Class 52 Rating, Deduct</i>	-323.49	
			<i>For Class 54 Rating, Add</i>	220.56	
			<i>For Class 55 Rating, Add</i>	490.23	
40 05 19 00-0234	EA		14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,690.26	447.65
			<i>For Class 52 Rating, Deduct</i>	-331.32	
			<i>For Class 54 Rating, Add</i>	225.90	
			<i>For Class 55 Rating, Add</i>	502.10	
40 05 19 00-0235	EA		14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,764.87	449.91
			<i>For Class 52 Rating, Deduct</i>	-339.15	
			<i>For Class 54 Rating, Add</i>	231.24	
			<i>For Class 55 Rating, Add</i>	513.97	
40 05 19 00-0236	EA		14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,839.50	452.17
			<i>For Class 52 Rating, Deduct</i>	-346.98	
			<i>For Class 54 Rating, Add</i>	236.58	
			<i>For Class 55 Rating, Add</i>	525.84	
40 05 19 00-0237	EA		14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,914.13	454.43
			<i>For Class 52 Rating, Deduct</i>	-354.82	
			<i>For Class 54 Rating, Add</i>	241.92	
			<i>For Class 55 Rating, Add</i>	537.71	
40 05 19 00-0238	EA		14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,988.76	456.69
			<i>For Class 52 Rating, Deduct</i>	-362.65	
			<i>For Class 54 Rating, Add</i>	247.26	
			<i>For Class 55 Rating, Add</i>	549.58	
40 05 19 00-0239	EA		14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,063.38	458.95
			<i>For Class 52 Rating, Deduct</i>	-370.48	
			<i>For Class 54 Rating, Add</i>	252.60	
			<i>For Class 55 Rating, Add</i>	561.45	
40 05 19 00-0240	EA		14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,138.01	461.21
			<i>For Class 52 Rating, Deduct</i>	-378.31	
			<i>For Class 54 Rating, Add</i>	257.94	
			<i>For Class 55 Rating, Add</i>	573.31	
40 05 19 00-0241	EA		14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,212.64	463.48
			<i>For Class 52 Rating, Deduct</i>	-386.14	
			<i>For Class 54 Rating, Add</i>	263.28	
			<i>For Class 55 Rating, Add</i>	585.18	
40 05 19 00-0242			16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0243	EA		16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,696.10	434.08
			<i>For Class 52 Rating, Deduct</i>	-114.22	
			<i>For Class 54 Rating, Add</i>	77.88	
			<i>For Class 55 Rating, Add</i>	173.10	
40 05 19 00-0244	EA		16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,782.72	436.34
			<i>For Class 52 Rating, Deduct</i>	-123.38	
			<i>For Class 54 Rating, Add</i>	84.12	
			<i>For Class 55 Rating, Add</i>	186.97	
40 05 19 00-0245	EA		16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,869.35	438.61
			<i>For Class 52 Rating, Deduct</i>	-132.53	
			<i>For Class 54 Rating, Add</i>	90.36	
			<i>For Class 55 Rating, Add</i>	200.84	
40 05 19 00-0246	EA		16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,955.98	440.86
			<i>For Class 52 Rating, Deduct</i>	-141.68	
			<i>For Class 54 Rating, Add</i>	96.60	
			<i>For Class 55 Rating, Add</i>	214.71	
40 05 19 00-0247	EA		16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,042.60	443.13
			<i>For Class 52 Rating, Deduct</i>	-150.83	
			<i>For Class 54 Rating, Add</i>	102.84	
			<i>For Class 55 Rating, Add</i>	228.58	
40 05 19 00-0248	EA		16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,129.23	445.39
			<i>For Class 52 Rating, Deduct</i>	-159.98	
			<i>For Class 54 Rating, Add</i>	109.08	
			<i>For Class 55 Rating, Add</i>	242.45	
40 05 19 00-0249	EA		16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,215.86	447.65
			<i>For Class 52 Rating, Deduct</i>	-169.14	
			<i>For Class 54 Rating, Add</i>	115.32	
			<i>For Class 55 Rating, Add</i>	256.32	
40 05 19 00-0250	EA		16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,302.47	449.91
			<i>For Class 52 Rating, Deduct</i>	-178.29	
			<i>For Class 54 Rating, Add</i>	121.56	
			<i>For Class 55 Rating, Add</i>	270.19	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0251 EA 16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,389.10	452.17
<i>For Class 52 Rating, Deduct</i>	-187.44	
<i>For Class 54 Rating, Add</i>	127.80	
<i>For Class 55 Rating, Add</i>	284.06	
40 05 19 00-0252 EA 16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,475.73	454.43
<i>For Class 52 Rating, Deduct</i>	-196.59	
<i>For Class 54 Rating, Add</i>	134.04	
<i>For Class 55 Rating, Add</i>	297.93	
40 05 19 00-0253 EA 16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,562.36	456.69
<i>For Class 52 Rating, Deduct</i>	-205.74	
<i>For Class 54 Rating, Add</i>	140.28	
<i>For Class 55 Rating, Add</i>	311.80	
40 05 19 00-0254 EA 16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,648.98	458.95
<i>For Class 52 Rating, Deduct</i>	-214.90	
<i>For Class 54 Rating, Add</i>	146.52	
<i>For Class 55 Rating, Add</i>	325.67	
40 05 19 00-0255 EA 16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,735.61	461.21
<i>For Class 52 Rating, Deduct</i>	-224.05	
<i>For Class 54 Rating, Add</i>	152.76	
<i>For Class 55 Rating, Add</i>	339.53	
40 05 19 00-0256 EA 16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,822.24	463.48
<i>For Class 52 Rating, Deduct</i>	-233.20	
<i>For Class 54 Rating, Add</i>	159.00	
<i>For Class 55 Rating, Add</i>	353.40	
40 05 19 00-0257 EA 16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,908.86	465.73
<i>For Class 52 Rating, Deduct</i>	-242.35	
<i>For Class 54 Rating, Add</i>	165.24	
<i>For Class 55 Rating, Add</i>	367.27	
40 05 19 00-0258 EA 16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,995.48	467.99
<i>For Class 52 Rating, Deduct</i>	-251.50	
<i>For Class 54 Rating, Add</i>	171.48	
<i>For Class 55 Rating, Add</i>	381.14	
40 05 19 00-0259 EA 16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,082.11	470.26
<i>For Class 52 Rating, Deduct</i>	-260.66	
<i>For Class 54 Rating, Add</i>	177.72	
<i>For Class 55 Rating, Add</i>	395.01	
40 05 19 00-0260 EA 16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,168.73	472.51
<i>For Class 52 Rating, Deduct</i>	-269.81	
<i>For Class 54 Rating, Add</i>	183.96	
<i>For Class 55 Rating, Add</i>	408.88	
40 05 19 00-0261 EA 16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,255.36	474.78
<i>For Class 52 Rating, Deduct</i>	-278.96	
<i>For Class 54 Rating, Add</i>	190.20	
<i>For Class 55 Rating, Add</i>	422.75	
40 05 19 00-0262 EA 16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,341.99	477.04
<i>For Class 52 Rating, Deduct</i>	-288.11	
<i>For Class 54 Rating, Add</i>	196.44	
<i>For Class 55 Rating, Add</i>	436.62	
40 05 19 00-0263 EA 16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,428.61	479.30
<i>For Class 52 Rating, Deduct</i>	-297.26	
<i>For Class 54 Rating, Add</i>	202.68	
<i>For Class 55 Rating, Add</i>	450.49	
40 05 19 00-0264 EA 16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,515.24	481.56
<i>For Class 52 Rating, Deduct</i>	-306.42	
<i>For Class 54 Rating, Add</i>	208.92	
<i>For Class 55 Rating, Add</i>	464.36	
40 05 19 00-0265 EA 16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,601.86	483.82
<i>For Class 52 Rating, Deduct</i>	-315.57	
<i>For Class 54 Rating, Add</i>	215.16	
<i>For Class 55 Rating, Add</i>	478.23	
40 05 19 00-0266 EA 16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,688.48	486.08
<i>For Class 52 Rating, Deduct</i>	-324.72	
<i>For Class 54 Rating, Add</i>	221.40	
<i>For Class 55 Rating, Add</i>	492.10	
40 05 19 00-0267 EA 16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,775.11	488.34
<i>For Class 52 Rating, Deduct</i>	-333.87	
<i>For Class 54 Rating, Add</i>	227.64	
<i>For Class 55 Rating, Add</i>	505.97	
40 05 19 00-0268 EA 16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,861.74	490.61
<i>For Class 52 Rating, Deduct</i>	-343.02	
<i>For Class 54 Rating, Add</i>	233.88	
<i>For Class 55 Rating, Add</i>	519.84	
40 05 19 00-0269 EA 16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,948.36	492.86
<i>For Class 52 Rating, Deduct</i>	-352.18	
<i>For Class 54 Rating, Add</i>	240.12	
<i>For Class 55 Rating, Add</i>	533.71	
40 05 19 00-0270 EA 16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,034.99	495.13
<i>For Class 52 Rating, Deduct</i>	-361.33	
<i>For Class 54 Rating, Add</i>	246.36	
<i>For Class 55 Rating, Add</i>	547.58	
40 05 19 00-0271 EA 16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,121.62	497.39
<i>For Class 52 Rating, Deduct</i>	-370.48	
<i>For Class 54 Rating, Add</i>	252.60	
<i>For Class 55 Rating, Add</i>	561.45	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0272	EA		16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,208.25	499.64
			<i>For Class 52 Rating, Deduct</i>	-379.63	
			<i>For Class 54 Rating, Add</i>	258.84	
			<i>For Class 55 Rating, Add</i>	575.32	
40 05 19 00-0273	EA		16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,294.86	501.91
			<i>For Class 52 Rating, Deduct</i>	-388.78	
			<i>For Class 54 Rating, Add</i>	265.08	
			<i>For Class 55 Rating, Add</i>	589.18	
40 05 19 00-0274	EA		16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,381.49	504.17
			<i>For Class 52 Rating, Deduct</i>	-397.94	
			<i>For Class 54 Rating, Add</i>	271.32	
			<i>For Class 55 Rating, Add</i>	603.05	
40 05 19 00-0275	EA		16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,468.12	506.43
			<i>For Class 52 Rating, Deduct</i>	-407.09	
			<i>For Class 54 Rating, Add</i>	277.56	
			<i>For Class 55 Rating, Add</i>	616.92	
40 05 19 00-0276	EA		16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,554.74	508.69
			<i>For Class 52 Rating, Deduct</i>	-416.24	
			<i>For Class 54 Rating, Add</i>	283.80	
			<i>For Class 55 Rating, Add</i>	630.79	
40 05 19 00-0277	EA		16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,641.37	510.95
			<i>For Class 52 Rating, Deduct</i>	-425.39	
			<i>For Class 54 Rating, Add</i>	290.04	
			<i>For Class 55 Rating, Add</i>	644.66	
40 05 19 00-0278	EA		16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,728.00	513.21
			<i>For Class 52 Rating, Deduct</i>	-434.54	
			<i>For Class 54 Rating, Add</i>	296.28	
			<i>For Class 55 Rating, Add</i>	658.53	
40 05 19 00-0279	EA		16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,814.62	515.48
			<i>For Class 52 Rating, Deduct</i>	-443.70	
			<i>For Class 54 Rating, Add</i>	302.52	
			<i>For Class 55 Rating, Add</i>	672.40	
40 05 19 00-0280	EA		16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,901.24	517.73
			<i>For Class 52 Rating, Deduct</i>	-452.85	
			<i>For Class 54 Rating, Add</i>	308.76	
			<i>For Class 55 Rating, Add</i>	686.27	
40 05 19 00-0281			18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0282	EA		18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,965.28	489.25
			<i>For Class 52 Rating, Deduct</i>	-134.64	
			<i>For Class 54 Rating, Add</i>	91.80	
			<i>For Class 55 Rating, Add</i>	204.04	
40 05 19 00-0283	EA		18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,064.71	491.51
			<i>For Class 52 Rating, Deduct</i>	-145.20	
			<i>For Class 54 Rating, Add</i>	99.00	
			<i>For Class 55 Rating, Add</i>	220.04	
40 05 19 00-0284	EA		18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,164.14	493.77
			<i>For Class 52 Rating, Deduct</i>	-155.76	
			<i>For Class 54 Rating, Add</i>	106.20	
			<i>For Class 55 Rating, Add</i>	236.05	
40 05 19 00-0285	EA		18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,263.56	496.03
			<i>For Class 52 Rating, Deduct</i>	-166.32	
			<i>For Class 54 Rating, Add</i>	113.40	
			<i>For Class 55 Rating, Add</i>	252.05	
40 05 19 00-0286	EA		18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,362.98	498.29
			<i>For Class 52 Rating, Deduct</i>	-176.88	
			<i>For Class 54 Rating, Add</i>	120.60	
			<i>For Class 55 Rating, Add</i>	268.05	
40 05 19 00-0287	EA		18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,462.41	500.55
			<i>For Class 52 Rating, Deduct</i>	-187.44	
			<i>For Class 54 Rating, Add</i>	127.80	
			<i>For Class 55 Rating, Add</i>	284.06	
40 05 19 00-0288	EA		18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,561.83	502.82
			<i>For Class 52 Rating, Deduct</i>	-198.00	
			<i>For Class 54 Rating, Add</i>	135.00	
			<i>For Class 55 Rating, Add</i>	300.06	
40 05 19 00-0289	EA		18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,661.26	505.07
			<i>For Class 52 Rating, Deduct</i>	-208.56	
			<i>For Class 54 Rating, Add</i>	142.20	
			<i>For Class 55 Rating, Add</i>	316.06	
40 05 19 00-0290	EA		18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,760.69	507.34
			<i>For Class 52 Rating, Deduct</i>	-219.12	
			<i>For Class 54 Rating, Add</i>	149.40	
			<i>For Class 55 Rating, Add</i>	332.07	
40 05 19 00-0291	EA		18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,860.12	509.59
			<i>For Class 52 Rating, Deduct</i>	-229.68	
			<i>For Class 54 Rating, Add</i>	156.60	
			<i>For Class 55 Rating, Add</i>	348.07	
40 05 19 00-0292	EA		18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,959.54	511.85
			<i>For Class 52 Rating, Deduct</i>	-240.24	
			<i>For Class 54 Rating, Add</i>	163.80	
			<i>For Class 55 Rating, Add</i>	364.07	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0293 EA 18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,058.96	514.12
<i>For Class 52 Rating, Deduct</i>	-250.80	
<i>For Class 54 Rating, Add</i>	171.00	
<i>For Class 55 Rating, Add</i>	380.08	
40 05 19 00-0294 EA 18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,158.39	516.37
<i>For Class 52 Rating, Deduct</i>	-261.36	
<i>For Class 54 Rating, Add</i>	178.20	
<i>For Class 55 Rating, Add</i>	396.08	
40 05 19 00-0295 EA 18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,257.81	518.64
<i>For Class 52 Rating, Deduct</i>	-271.92	
<i>For Class 54 Rating, Add</i>	185.40	
<i>For Class 55 Rating, Add</i>	412.08	
40 05 19 00-0296 EA 18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,357.24	520.90
<i>For Class 52 Rating, Deduct</i>	-282.48	
<i>For Class 54 Rating, Add</i>	192.60	
<i>For Class 55 Rating, Add</i>	428.09	
40 05 19 00-0297 EA 18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,456.67	523.16
<i>For Class 52 Rating, Deduct</i>	-293.04	
<i>For Class 54 Rating, Add</i>	199.80	
<i>For Class 55 Rating, Add</i>	444.09	
40 05 19 00-0298 EA 18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,556.09	525.42
<i>For Class 52 Rating, Deduct</i>	-303.60	
<i>For Class 54 Rating, Add</i>	207.00	
<i>For Class 55 Rating, Add</i>	460.09	
40 05 19 00-0299 EA 18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,655.52	527.68
<i>For Class 52 Rating, Deduct</i>	-314.16	
<i>For Class 54 Rating, Add</i>	214.20	
<i>For Class 55 Rating, Add</i>	476.10	
40 05 19 00-0300 EA 18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,754.95	529.94
<i>For Class 52 Rating, Deduct</i>	-324.72	
<i>For Class 54 Rating, Add</i>	221.40	
<i>For Class 55 Rating, Add</i>	492.10	
40 05 19 00-0301 EA 18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,854.36	532.20
<i>For Class 52 Rating, Deduct</i>	-335.28	
<i>For Class 54 Rating, Add</i>	228.60	
<i>For Class 55 Rating, Add</i>	508.10	
40 05 19 00-0302 EA 18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,953.79	534.47
<i>For Class 52 Rating, Deduct</i>	-345.84	
<i>For Class 54 Rating, Add</i>	235.80	
<i>For Class 55 Rating, Add</i>	524.10	
40 05 19 00-0303 EA 18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,053.22	536.72
<i>For Class 52 Rating, Deduct</i>	-356.40	
<i>For Class 54 Rating, Add</i>	243.00	
<i>For Class 55 Rating, Add</i>	540.11	
40 05 19 00-0304 EA 18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,152.64	538.99
<i>For Class 52 Rating, Deduct</i>	-366.96	
<i>For Class 54 Rating, Add</i>	250.20	
<i>For Class 55 Rating, Add</i>	556.11	
40 05 19 00-0305 EA 18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,252.07	541.25
<i>For Class 52 Rating, Deduct</i>	-377.52	
<i>For Class 54 Rating, Add</i>	257.40	
<i>For Class 55 Rating, Add</i>	572.11	
40 05 19 00-0306 EA 18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,351.50	543.50
<i>For Class 52 Rating, Deduct</i>	-388.08	
<i>For Class 54 Rating, Add</i>	264.60	
<i>For Class 55 Rating, Add</i>	588.12	
40 05 19 00-0307 EA 18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,450.93	545.77
<i>For Class 52 Rating, Deduct</i>	-398.64	
<i>For Class 54 Rating, Add</i>	271.80	
<i>For Class 55 Rating, Add</i>	604.12	
40 05 19 00-0308 EA 18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,550.34	548.03
<i>For Class 52 Rating, Deduct</i>	-409.20	
<i>For Class 54 Rating, Add</i>	279.00	
<i>For Class 55 Rating, Add</i>	620.12	
40 05 19 00-0309 EA 18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,649.77	550.29
<i>For Class 52 Rating, Deduct</i>	-419.76	
<i>For Class 54 Rating, Add</i>	286.20	
<i>For Class 55 Rating, Add</i>	636.13	
40 05 19 00-0310 EA 18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,749.20	552.55
<i>For Class 52 Rating, Deduct</i>	-430.32	
<i>For Class 54 Rating, Add</i>	293.40	
<i>For Class 55 Rating, Add</i>	652.13	
40 05 19 00-0311 EA 18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,848.62	554.82
<i>For Class 52 Rating, Deduct</i>	-440.88	
<i>For Class 54 Rating, Add</i>	300.60	
<i>For Class 55 Rating, Add</i>	668.13	
40 05 19 00-0312 EA 18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,948.05	557.07
<i>For Class 52 Rating, Deduct</i>	-451.44	
<i>For Class 54 Rating, Add</i>	307.80	
<i>For Class 55 Rating, Add</i>	684.14	
40 05 19 00-0313 EA 18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,047.48	559.33
<i>For Class 52 Rating, Deduct</i>	-462.00	
<i>For Class 54 Rating, Add</i>	315.00	
<i>For Class 55 Rating, Add</i>	700.14	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0314	EA		18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,146.90	561.59
			<i>For Class 52 Rating, Deduct</i>	-472.56	
			<i>For Class 54 Rating, Add</i>	322.20	
			<i>For Class 55 Rating, Add</i>	716.14	
40 05 19 00-0315	EA		18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,246.33	563.85
			<i>For Class 52 Rating, Deduct</i>	-483.12	
			<i>For Class 54 Rating, Add</i>	329.40	
			<i>For Class 55 Rating, Add</i>	732.15	
40 05 19 00-0316	EA		18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,345.75	566.12
			<i>For Class 52 Rating, Deduct</i>	-493.68	
			<i>For Class 54 Rating, Add</i>	336.60	
			<i>For Class 55 Rating, Add</i>	748.15	
40 05 19 00-0317	EA		18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,445.17	568.37
			<i>For Class 52 Rating, Deduct</i>	-504.24	
			<i>For Class 54 Rating, Add</i>	343.80	
			<i>For Class 55 Rating, Add</i>	764.15	
40 05 19 00-0318	EA		18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,544.60	570.64
			<i>For Class 52 Rating, Deduct</i>	-514.80	
			<i>For Class 54 Rating, Add</i>	351.00	
			<i>For Class 55 Rating, Add</i>	780.16	
40 05 19 00-0319	EA		18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,644.03	572.90
			<i>For Class 52 Rating, Deduct</i>	-525.36	
			<i>For Class 54 Rating, Add</i>	358.20	
			<i>For Class 55 Rating, Add</i>	796.16	
40 05 19 00-0320			20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0321	EA		20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,293.30	558.43
			<i>For Class 52 Rating, Deduct</i>	-159.19	
			<i>For Class 54 Rating, Add</i>	108.54	
			<i>For Class 55 Rating, Add</i>	241.25	
40 05 19 00-0322	EA		20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,407.13	560.69
			<i>For Class 52 Rating, Deduct</i>	-171.34	
			<i>For Class 54 Rating, Add</i>	116.82	
			<i>For Class 55 Rating, Add</i>	259.65	
40 05 19 00-0323	EA		20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,520.96	562.95
			<i>For Class 52 Rating, Deduct</i>	-183.48	
			<i>For Class 54 Rating, Add</i>	125.10	
			<i>For Class 55 Rating, Add</i>	278.06	
40 05 19 00-0324	EA		20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,634.78	565.21
			<i>For Class 52 Rating, Deduct</i>	-195.62	
			<i>For Class 54 Rating, Add</i>	133.38	
			<i>For Class 55 Rating, Add</i>	296.46	
40 05 19 00-0325	EA		20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,748.61	567.47
			<i>For Class 52 Rating, Deduct</i>	-207.77	
			<i>For Class 54 Rating, Add</i>	141.66	
			<i>For Class 55 Rating, Add</i>	314.86	
40 05 19 00-0326	EA		20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,862.43	569.73
			<i>For Class 52 Rating, Deduct</i>	-219.91	
			<i>For Class 54 Rating, Add</i>	149.94	
			<i>For Class 55 Rating, Add</i>	333.27	
40 05 19 00-0327	EA		20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,976.25	571.99
			<i>For Class 52 Rating, Deduct</i>	-232.06	
			<i>For Class 54 Rating, Add</i>	158.22	
			<i>For Class 55 Rating, Add</i>	351.67	
40 05 19 00-0328	EA		20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,090.08	574.26
			<i>For Class 52 Rating, Deduct</i>	-244.20	
			<i>For Class 54 Rating, Add</i>	166.50	
			<i>For Class 55 Rating, Add</i>	370.07	
40 05 19 00-0329	EA		20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,203.91	576.51
			<i>For Class 52 Rating, Deduct</i>	-256.34	
			<i>For Class 54 Rating, Add</i>	174.78	
			<i>For Class 55 Rating, Add</i>	388.48	
40 05 19 00-0330	EA		20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,317.74	578.78
			<i>For Class 52 Rating, Deduct</i>	-268.49	
			<i>For Class 54 Rating, Add</i>	183.06	
			<i>For Class 55 Rating, Add</i>	406.88	
40 05 19 00-0331	EA		20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,431.56	581.04
			<i>For Class 52 Rating, Deduct</i>	-280.63	
			<i>For Class 54 Rating, Add</i>	191.34	
			<i>For Class 55 Rating, Add</i>	425.29	
40 05 19 00-0332	EA		20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,545.39	583.29
			<i>For Class 52 Rating, Deduct</i>	-292.78	
			<i>For Class 54 Rating, Add</i>	199.62	
			<i>For Class 55 Rating, Add</i>	443.69	
40 05 19 00-0333	EA		20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,659.21	585.56
			<i>For Class 52 Rating, Deduct</i>	-304.92	
			<i>For Class 54 Rating, Add</i>	207.90	
			<i>For Class 55 Rating, Add</i>	462.09	
40 05 19 00-0334	EA		20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,773.03	587.82
			<i>For Class 52 Rating, Deduct</i>	-317.06	
			<i>For Class 54 Rating, Add</i>	216.18	
			<i>For Class 55 Rating, Add</i>	480.50	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40 05 19
Ductile Iron Process Pipe	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0335 EA 20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,886.86	590.08
<i>For Class 52 Rating, Deduct</i>	-329.21	
<i>For Class 54 Rating, Add</i>	224.46	
<i>For Class 55 Rating, Add</i>	498.90	
40 05 19 00-0336 EA 20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,000.69	592.34
<i>For Class 52 Rating, Deduct</i>	-341.35	
<i>For Class 54 Rating, Add</i>	232.74	
<i>For Class 55 Rating, Add</i>	517.30	
40 05 19 00-0337 EA 20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,114.51	594.61
<i>For Class 52 Rating, Deduct</i>	-353.50	
<i>For Class 54 Rating, Add</i>	241.02	
<i>For Class 55 Rating, Add</i>	535.71	
40 05 19 00-0338 EA 20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,228.34	596.86
<i>For Class 52 Rating, Deduct</i>	-365.64	
<i>For Class 54 Rating, Add</i>	249.30	
<i>For Class 55 Rating, Add</i>	554.11	
40 05 19 00-0339 EA 20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,342.17	599.12
<i>For Class 52 Rating, Deduct</i>	-377.78	
<i>For Class 54 Rating, Add</i>	257.58	
<i>For Class 55 Rating, Add</i>	572.51	
40 05 19 00-0340 EA 20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,455.99	601.39
<i>For Class 52 Rating, Deduct</i>	-389.93	
<i>For Class 54 Rating, Add</i>	265.86	
<i>For Class 55 Rating, Add</i>	590.92	
40 05 19 00-0341 EA 20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,569.81	603.64
<i>For Class 52 Rating, Deduct</i>	-402.07	
<i>For Class 54 Rating, Add</i>	274.14	
<i>For Class 55 Rating, Add</i>	609.32	
40 05 19 00-0342 EA 20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,683.64	605.91
<i>For Class 52 Rating, Deduct</i>	-414.22	
<i>For Class 54 Rating, Add</i>	282.42	
<i>For Class 55 Rating, Add</i>	627.73	
40 05 19 00-0343 EA 20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,797.46	608.17
<i>For Class 52 Rating, Deduct</i>	-426.36	
<i>For Class 54 Rating, Add</i>	290.70	
<i>For Class 55 Rating, Add</i>	646.13	
40 05 19 00-0344 EA 20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,911.29	610.43
<i>For Class 52 Rating, Deduct</i>	-438.50	
<i>For Class 54 Rating, Add</i>	298.98	
<i>For Class 55 Rating, Add</i>	664.53	
40 05 19 00-0345 EA 20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,025.12	612.69
<i>For Class 52 Rating, Deduct</i>	-450.65	
<i>For Class 54 Rating, Add</i>	307.26	
<i>For Class 55 Rating, Add</i>	682.94	
40 05 19 00-0346 EA 20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,138.95	614.96
<i>For Class 52 Rating, Deduct</i>	-462.79	
<i>For Class 54 Rating, Add</i>	315.54	
<i>For Class 55 Rating, Add</i>	701.34	
40 05 19 00-0347 EA 20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,252.77	617.21
<i>For Class 52 Rating, Deduct</i>	-474.94	
<i>For Class 54 Rating, Add</i>	323.82	
<i>For Class 55 Rating, Add</i>	719.74	
40 05 19 00-0348 EA 20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,366.59	619.47
<i>For Class 52 Rating, Deduct</i>	-487.08	
<i>For Class 54 Rating, Add</i>	332.10	
<i>For Class 55 Rating, Add</i>	738.15	
40 05 19 00-0349 EA 20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,480.42	621.73
<i>For Class 52 Rating, Deduct</i>	-499.22	
<i>For Class 54 Rating, Add</i>	340.38	
<i>For Class 55 Rating, Add</i>	756.55	
40 05 19 00-0350 EA 20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,594.24	623.99
<i>For Class 52 Rating, Deduct</i>	-511.37	
<i>For Class 54 Rating, Add</i>	348.66	
<i>For Class 55 Rating, Add</i>	774.95	
40 05 19 00-0351 EA 20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,708.07	626.26
<i>For Class 52 Rating, Deduct</i>	-523.51	
<i>For Class 54 Rating, Add</i>	356.94	
<i>For Class 55 Rating, Add</i>	793.36	
40 05 19 00-0352 EA 20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,821.90	628.51
<i>For Class 52 Rating, Deduct</i>	-535.66	
<i>For Class 54 Rating, Add</i>	365.22	
<i>For Class 55 Rating, Add</i>	811.76	
40 05 19 00-0353 EA 20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,935.72	630.78
<i>For Class 52 Rating, Deduct</i>	-547.80	
<i>For Class 54 Rating, Add</i>	373.50	
<i>For Class 55 Rating, Add</i>	830.17	
40 05 19 00-0354 EA 20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,049.55	633.04
<i>For Class 52 Rating, Deduct</i>	-559.94	
<i>For Class 54 Rating, Add</i>	381.78	
<i>For Class 55 Rating, Add</i>	848.57	
40 05 19 00-0355 EA 20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,163.38	635.29
<i>For Class 52 Rating, Deduct</i>	-572.09	
<i>For Class 54 Rating, Add</i>	390.06	
<i>For Class 55 Rating, Add</i>	866.97	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0356	EA		20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,277.19	637.56
			<i>For Class 52 Rating, Deduct</i>	-584.23	
			<i>For Class 54 Rating, Add</i>	398.34	
			<i>For Class 55 Rating, Add</i>	885.38	
40 05 19 00-0357	EA		20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,391.02	639.82
			<i>For Class 52 Rating, Deduct</i>	-596.38	
			<i>For Class 54 Rating, Add</i>	406.62	
			<i>For Class 55 Rating, Add</i>	903.78	
40 05 19 00-0358	EA		20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,504.85	642.08
			<i>For Class 52 Rating, Deduct</i>	-608.52	
			<i>For Class 54 Rating, Add</i>	414.90	
			<i>For Class 55 Rating, Add</i>	922.18	
40 05 19 00-0359			24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0360	EA		24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,806.65	660.17
			<i>For Class 52 Rating, Deduct</i>	-198.70	
			<i>For Class 54 Rating, Add</i>	135.48	
			<i>For Class 55 Rating, Add</i>	301.13	
40 05 19 00-0361	EA		24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,946.88	662.43
			<i>For Class 52 Rating, Deduct</i>	-213.75	
			<i>For Class 54 Rating, Add</i>	145.74	
			<i>For Class 55 Rating, Add</i>	323.93	
40 05 19 00-0362	EA		24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,087.11	664.69
			<i>For Class 52 Rating, Deduct</i>	-228.80	
			<i>For Class 54 Rating, Add</i>	156.00	
			<i>For Class 55 Rating, Add</i>	346.74	
40 05 19 00-0363	EA		24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,227.33	666.95
			<i>For Class 52 Rating, Deduct</i>	-243.85	
			<i>For Class 54 Rating, Add</i>	166.26	
			<i>For Class 55 Rating, Add</i>	369.54	
40 05 19 00-0364	EA		24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,367.56	669.21
			<i>For Class 52 Rating, Deduct</i>	-258.90	
			<i>For Class 54 Rating, Add</i>	176.52	
			<i>For Class 55 Rating, Add</i>	392.35	
40 05 19 00-0365	EA		24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,507.78	671.47
			<i>For Class 52 Rating, Deduct</i>	-273.94	
			<i>For Class 54 Rating, Add</i>	186.78	
			<i>For Class 55 Rating, Add</i>	415.15	
40 05 19 00-0366	EA		24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,648.00	673.73
			<i>For Class 52 Rating, Deduct</i>	-288.99	
			<i>For Class 54 Rating, Add</i>	197.04	
			<i>For Class 55 Rating, Add</i>	437.95	
40 05 19 00-0367	EA		24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,788.23	675.99
			<i>For Class 52 Rating, Deduct</i>	-304.04	
			<i>For Class 54 Rating, Add</i>	207.30	
			<i>For Class 55 Rating, Add</i>	460.76	
40 05 19 00-0368	EA		24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,928.46	678.26
			<i>For Class 52 Rating, Deduct</i>	-319.09	
			<i>For Class 54 Rating, Add</i>	217.56	
			<i>For Class 55 Rating, Add</i>	483.56	
40 05 19 00-0369	EA		24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,068.68	680.51
			<i>For Class 52 Rating, Deduct</i>	-334.14	
			<i>For Class 54 Rating, Add</i>	227.82	
			<i>For Class 55 Rating, Add</i>	506.37	
40 05 19 00-0370	EA		24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,208.91	682.77
			<i>For Class 52 Rating, Deduct</i>	-349.18	
			<i>For Class 54 Rating, Add</i>	238.08	
			<i>For Class 55 Rating, Add</i>	529.17	
40 05 19 00-0371	EA		24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,349.14	685.04
			<i>For Class 52 Rating, Deduct</i>	-364.23	
			<i>For Class 54 Rating, Add</i>	248.34	
			<i>For Class 55 Rating, Add</i>	551.98	
40 05 19 00-0372	EA		24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,489.35	687.29
			<i>For Class 52 Rating, Deduct</i>	-379.28	
			<i>For Class 54 Rating, Add</i>	258.60	
			<i>For Class 55 Rating, Add</i>	574.78	
40 05 19 00-0373	EA		24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,629.58	689.56
			<i>For Class 52 Rating, Deduct</i>	-394.33	
			<i>For Class 54 Rating, Add</i>	268.86	
			<i>For Class 55 Rating, Add</i>	597.59	
40 05 19 00-0374	EA		24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,769.81	691.82
			<i>For Class 52 Rating, Deduct</i>	-409.38	
			<i>For Class 54 Rating, Add</i>	279.12	
			<i>For Class 55 Rating, Add</i>	620.39	
40 05 19 00-0375	EA		24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,910.04	694.08
			<i>For Class 52 Rating, Deduct</i>	-424.42	
			<i>For Class 54 Rating, Add</i>	289.38	
			<i>For Class 55 Rating, Add</i>	643.20	
40 05 19 00-0376	EA		24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,050.26	696.34
			<i>For Class 52 Rating, Deduct</i>	-439.47	
			<i>For Class 54 Rating, Add</i>	299.64	
			<i>For Class 55 Rating, Add</i>	666.00	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40 05 19
Ductile Iron Process Pipe	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0377 EA 24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,190.49	698.61
<i>For Class 52 Rating, Deduct</i>	-454.52	
<i>For Class 54 Rating, Add</i>	309.90	
<i>For Class 55 Rating, Add</i>	688.80	
40 05 19 00-0378 EA 24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,330.72	700.86
<i>For Class 52 Rating, Deduct</i>	-469.57	
<i>For Class 54 Rating, Add</i>	320.16	
<i>For Class 55 Rating, Add</i>	711.61	
40 05 19 00-0379 EA 24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,470.94	703.12
<i>For Class 52 Rating, Deduct</i>	-484.62	
<i>For Class 54 Rating, Add</i>	330.42	
<i>For Class 55 Rating, Add</i>	734.41	
40 05 19 00-0380 EA 24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,611.16	705.39
<i>For Class 52 Rating, Deduct</i>	-499.66	
<i>For Class 54 Rating, Add</i>	340.68	
<i>For Class 55 Rating, Add</i>	757.22	
40 05 19 00-0381 EA 24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,751.39	707.64
<i>For Class 52 Rating, Deduct</i>	-514.71	
<i>For Class 54 Rating, Add</i>	350.94	
<i>For Class 55 Rating, Add</i>	780.02	
40 05 19 00-0382 EA 24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,891.61	709.91
<i>For Class 52 Rating, Deduct</i>	-529.76	
<i>For Class 54 Rating, Add</i>	361.20	
<i>For Class 55 Rating, Add</i>	802.83	
40 05 19 00-0383 EA 24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,031.84	712.17
<i>For Class 52 Rating, Deduct</i>	-544.81	
<i>For Class 54 Rating, Add</i>	371.46	
<i>For Class 55 Rating, Add</i>	825.63	
40 05 19 00-0384 EA 24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,172.07	714.43
<i>For Class 52 Rating, Deduct</i>	-559.86	
<i>For Class 54 Rating, Add</i>	381.72	
<i>For Class 55 Rating, Add</i>	848.44	
40 05 19 00-0385 EA 24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,312.29	716.69
<i>For Class 52 Rating, Deduct</i>	-574.90	
<i>For Class 54 Rating, Add</i>	391.98	
<i>For Class 55 Rating, Add</i>	871.24	
40 05 19 00-0386 EA 24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,452.52	718.95
<i>For Class 52 Rating, Deduct</i>	-589.95	
<i>For Class 54 Rating, Add</i>	402.24	
<i>For Class 55 Rating, Add</i>	894.05	
40 05 19 00-0387 EA 24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,592.74	721.21
<i>For Class 52 Rating, Deduct</i>	-605.00	
<i>For Class 54 Rating, Add</i>	412.50	
<i>For Class 55 Rating, Add</i>	916.85	
40 05 19 00-0388 EA 24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,732.96	723.47
<i>For Class 52 Rating, Deduct</i>	-620.05	
<i>For Class 54 Rating, Add</i>	422.76	
<i>For Class 55 Rating, Add</i>	939.65	
40 05 19 00-0389 EA 24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,931.43	764.17
<i>For Class 52 Rating, Deduct</i>	-635.10	
<i>For Class 54 Rating, Add</i>	433.02	
<i>For Class 55 Rating, Add</i>	962.46	
40 05 19 00-0390 EA 24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,071.65	766.42
<i>For Class 52 Rating, Deduct</i>	-650.14	
<i>For Class 54 Rating, Add</i>	443.28	
<i>For Class 55 Rating, Add</i>	985.26	
40 05 19 00-0391 EA 24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,211.88	768.69
<i>For Class 52 Rating, Deduct</i>	-665.19	
<i>For Class 54 Rating, Add</i>	453.54	
<i>For Class 55 Rating, Add</i>	1,008.07	
40 05 19 00-0392 EA 24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,352.11	770.95
<i>For Class 52 Rating, Deduct</i>	-680.24	
<i>For Class 54 Rating, Add</i>	463.80	
<i>For Class 55 Rating, Add</i>	1,030.87	
40 05 19 00-0393 EA 24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,492.33	773.21
<i>For Class 52 Rating, Deduct</i>	-695.29	
<i>For Class 54 Rating, Add</i>	474.06	
<i>For Class 55 Rating, Add</i>	1,053.68	
40 05 19 00-0394 EA 24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,632.55	775.47
<i>For Class 52 Rating, Deduct</i>	-710.34	
<i>For Class 54 Rating, Add</i>	484.32	
<i>For Class 55 Rating, Add</i>	1,076.48	
40 05 19 00-0395 EA 24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,772.78	777.73
<i>For Class 52 Rating, Deduct</i>	-725.38	
<i>For Class 54 Rating, Add</i>	494.58	
<i>For Class 55 Rating, Add</i>	1,099.29	
40 05 19 00-0396 EA 24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,913.01	779.99
<i>For Class 52 Rating, Deduct</i>	-740.43	
<i>For Class 54 Rating, Add</i>	504.84	
<i>For Class 55 Rating, Add</i>	1,122.09	
40 05 19 00-0397 EA 24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,053.23	782.25
<i>For Class 52 Rating, Deduct</i>	-755.48	
<i>For Class 54 Rating, Add</i>	515.10	
<i>For Class 55 Rating, Add</i>	1,144.90	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0398		30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0399	EA	30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,283.32	931.47
		For Class 52 Rating, Deduct	-315.92	
		For Class 54 Rating, Add	215.40	
		For Class 55 Rating, Add	478.76	
40 05 19 00-0400	EA	30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,484.34	933.73
		For Class 52 Rating, Deduct	-337.66	
		For Class 54 Rating, Add	230.22	
		For Class 55 Rating, Add	511.70	
40 05 19 00-0401	EA	30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,685.37	935.99
		For Class 52 Rating, Deduct	-359.39	
		For Class 54 Rating, Add	245.04	
		For Class 55 Rating, Add	544.64	
40 05 19 00-0402	EA	30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,886.40	938.25
		For Class 52 Rating, Deduct	-381.13	
		For Class 54 Rating, Add	259.86	
		For Class 55 Rating, Add	577.58	
40 05 19 00-0403	EA	30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,087.42	940.51
		For Class 52 Rating, Deduct	-402.86	
		For Class 54 Rating, Add	274.68	
		For Class 55 Rating, Add	610.52	
40 05 19 00-0404	EA	30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,288.44	942.77
		For Class 52 Rating, Deduct	-424.60	
		For Class 54 Rating, Add	289.50	
		For Class 55 Rating, Add	643.46	
40 05 19 00-0405	EA	30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,489.47	945.04
		For Class 52 Rating, Deduct	-446.34	
		For Class 54 Rating, Add	304.32	
		For Class 55 Rating, Add	676.40	
40 05 19 00-0406	EA	30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,690.49	947.29
		For Class 52 Rating, Deduct	-468.07	
		For Class 54 Rating, Add	319.14	
		For Class 55 Rating, Add	709.34	
40 05 19 00-0407	EA	30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,891.52	949.55
		For Class 52 Rating, Deduct	-489.81	
		For Class 54 Rating, Add	333.96	
		For Class 55 Rating, Add	742.28	
40 05 19 00-0408	EA	30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,092.55	951.82
		For Class 52 Rating, Deduct	-511.54	
		For Class 54 Rating, Add	348.78	
		For Class 55 Rating, Add	775.22	
40 05 19 00-0409	EA	30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,293.57	954.07
		For Class 52 Rating, Deduct	-533.28	
		For Class 54 Rating, Add	363.60	
		For Class 55 Rating, Add	808.16	
40 05 19 00-0410	EA	30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,494.60	956.34
		For Class 52 Rating, Deduct	-555.02	
		For Class 54 Rating, Add	378.42	
		For Class 55 Rating, Add	841.10	
40 05 19 00-0411	EA	30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,695.63	958.60
		For Class 52 Rating, Deduct	-576.75	
		For Class 54 Rating, Add	393.24	
		For Class 55 Rating, Add	874.04	
40 05 19 00-0412	EA	30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,896.64	960.86
		For Class 52 Rating, Deduct	-598.49	
		For Class 54 Rating, Add	408.06	
		For Class 55 Rating, Add	906.98	
40 05 19 00-0413	EA	30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,097.67	963.12
		For Class 52 Rating, Deduct	-620.22	
		For Class 54 Rating, Add	422.88	
		For Class 55 Rating, Add	939.92	
40 05 19 00-0414	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,298.70	965.38
		For Class 52 Rating, Deduct	-641.96	
		For Class 54 Rating, Add	437.70	
		For Class 55 Rating, Add	972.86	
40 05 19 00-0415	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,499.72	967.64
		For Class 52 Rating, Deduct	-663.70	
		For Class 54 Rating, Add	452.52	
		For Class 55 Rating, Add	1,005.80	
40 05 19 00-0416	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,700.75	969.90
		For Class 52 Rating, Deduct	-685.43	
		For Class 54 Rating, Add	467.34	
		For Class 55 Rating, Add	1,038.74	
40 05 19 00-0417	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,901.78	972.17
		For Class 52 Rating, Deduct	-707.17	
		For Class 54 Rating, Add	482.16	
		For Class 55 Rating, Add	1,071.68	
40 05 19 00-0418	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,102.81	974.42
		For Class 52 Rating, Deduct	-728.90	
		For Class 54 Rating, Add	496.98	
		For Class 55 Rating, Add	1,104.62	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0419 EA 30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,303.82	976.69
<i>For Class 52 Rating, Deduct</i>	-750.64	
<i>For Class 54 Rating, Add</i>	511.80	
<i>For Class 55 Rating, Add</i>	1,137.56	
40 05 19 00-0420 EA 30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,504.85	978.95
<i>For Class 52 Rating, Deduct</i>	-772.38	
<i>For Class 54 Rating, Add</i>	526.62	
<i>For Class 55 Rating, Add</i>	1,170.50	
40 05 19 00-0421 EA 30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,705.88	981.21
<i>For Class 52 Rating, Deduct</i>	-794.11	
<i>For Class 54 Rating, Add</i>	541.44	
<i>For Class 55 Rating, Add</i>	1,203.44	
40 05 19 00-0422 EA 30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,906.90	983.47
<i>For Class 52 Rating, Deduct</i>	-815.85	
<i>For Class 54 Rating, Add</i>	556.26	
<i>For Class 55 Rating, Add</i>	1,236.38	
40 05 19 00-0423 EA 30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,107.13	985.73
<i>For Class 52 Rating, Deduct</i>	-837.50	
<i>For Class 54 Rating, Add</i>	571.02	
<i>For Class 55 Rating, Add</i>	1,269.19	
40 05 19 00-0424 EA 30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,308.96	987.99
<i>For Class 52 Rating, Deduct</i>	-859.32	
<i>For Class 54 Rating, Add</i>	585.90	
<i>For Class 55 Rating, Add</i>	1,302.26	
40 05 19 00-0425 EA 30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,509.98	990.25
<i>For Class 52 Rating, Deduct</i>	-881.06	
<i>For Class 54 Rating, Add</i>	600.72	
<i>For Class 55 Rating, Add</i>	1,335.20	
40 05 19 00-0426 EA 30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,711.01	992.51
<i>For Class 52 Rating, Deduct</i>	-902.79	
<i>For Class 54 Rating, Add</i>	615.54	
<i>For Class 55 Rating, Add</i>	1,368.14	
40 05 19 00-0427 EA 30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,912.03	994.77
<i>For Class 52 Rating, Deduct</i>	-924.53	
<i>For Class 54 Rating, Add</i>	630.36	
<i>For Class 55 Rating, Add</i>	1,401.08	
40 05 19 00-0428 EA 30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,113.05	997.04
<i>For Class 52 Rating, Deduct</i>	-946.26	
<i>For Class 54 Rating, Add</i>	645.18	
<i>For Class 55 Rating, Add</i>	1,434.02	
40 05 19 00-0429 EA 30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,314.08	999.29
<i>For Class 52 Rating, Deduct</i>	-968.00	
<i>For Class 54 Rating, Add</i>	660.00	
<i>For Class 55 Rating, Add</i>	1,466.96	
40 05 19 00-0430 EA 30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,515.11	1,001.55
<i>For Class 52 Rating, Deduct</i>	-989.74	
<i>For Class 54 Rating, Add</i>	674.82	
<i>For Class 55 Rating, Add</i>	1,499.90	
40 05 19 00-0431 EA 30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,716.13	1,003.82
<i>For Class 52 Rating, Deduct</i>	-1,011.47	
<i>For Class 54 Rating, Add</i>	689.64	
<i>For Class 55 Rating, Add</i>	1,532.84	
40 05 19 00-0432 EA 30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,917.16	1,006.07
<i>For Class 52 Rating, Deduct</i>	-1,033.21	
<i>For Class 54 Rating, Add</i>	704.46	
<i>For Class 55 Rating, Add</i>	1,565.78	
40 05 19 00-0433 EA 30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,118.19	1,008.34
<i>For Class 52 Rating, Deduct</i>	-1,054.94	
<i>For Class 54 Rating, Add</i>	719.28	
<i>For Class 55 Rating, Add</i>	1,598.72	
40 05 19 00-0434 EA 30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,319.21	1,010.60
<i>For Class 52 Rating, Deduct</i>	-1,076.68	
<i>For Class 54 Rating, Add</i>	734.10	
<i>For Class 55 Rating, Add</i>	1,631.66	
40 05 19 00-0435 EA 30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,520.23	1,012.86
<i>For Class 52 Rating, Deduct</i>	-1,098.42	
<i>For Class 54 Rating, Add</i>	748.92	
<i>For Class 55 Rating, Add</i>	1,664.60	
40 05 19 00-0436 EA 30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,721.26	1,015.12
<i>For Class 52 Rating, Deduct</i>	-1,120.15	
<i>For Class 54 Rating, Add</i>	763.74	
<i>For Class 55 Rating, Add</i>	1,697.54	
40 05 19 00-0437 36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0438 EA 36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,897.72	1,180.17
<i>For Class 52 Rating, Deduct</i>	-452.06	
<i>For Class 54 Rating, Add</i>	308.22	
<i>For Class 55 Rating, Add</i>	685.07	
40 05 19 00-0439 EA 36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,169.95	1,182.42
<i>For Class 52 Rating, Deduct</i>	-481.62	
<i>For Class 54 Rating, Add</i>	328.38	
<i>For Class 55 Rating, Add</i>	729.88	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0440 EA 36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,442.17	1,184.68
For Class 52 Rating, Deduct	-511.19	
For Class 54 Rating, Add	348.54	
For Class 55 Rating, Add	774.69	
40 05 19 00-0441 EA 36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,714.40	1,186.95
For Class 52 Rating, Deduct	-540.76	
For Class 54 Rating, Add	368.70	
For Class 55 Rating, Add	819.50	
40 05 19 00-0442 EA 36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,986.63	1,189.20
For Class 52 Rating, Deduct	-570.33	
For Class 54 Rating, Add	388.86	
For Class 55 Rating, Add	864.31	
40 05 19 00-0443 EA 36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,258.85	1,191.47
For Class 52 Rating, Deduct	-599.90	
For Class 54 Rating, Add	409.02	
For Class 55 Rating, Add	909.12	
40 05 19 00-0444 EA 36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,531.08	1,193.73
For Class 52 Rating, Deduct	-629.46	
For Class 54 Rating, Add	429.18	
For Class 55 Rating, Add	953.92	
40 05 19 00-0445 EA 36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,803.31	1,195.99
For Class 52 Rating, Deduct	-659.03	
For Class 54 Rating, Add	449.34	
For Class 55 Rating, Add	998.73	
40 05 19 00-0446 EA 36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,075.52	1,198.25
For Class 52 Rating, Deduct	-688.60	
For Class 54 Rating, Add	469.50	
For Class 55 Rating, Add	1,043.54	
40 05 19 00-0447 EA 36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,347.75	1,200.51
For Class 52 Rating, Deduct	-718.17	
For Class 54 Rating, Add	489.66	
For Class 55 Rating, Add	1,088.35	
40 05 19 00-0448 EA 36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,619.98	1,202.77
For Class 52 Rating, Deduct	-747.74	
For Class 54 Rating, Add	509.82	
For Class 55 Rating, Add	1,133.16	
40 05 19 00-0449 EA 36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,892.20	1,205.03
For Class 52 Rating, Deduct	-777.30	
For Class 54 Rating, Add	529.98	
For Class 55 Rating, Add	1,177.97	
40 05 19 00-0450 EA 36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,164.43	1,207.29
For Class 52 Rating, Deduct	-806.87	
For Class 54 Rating, Add	550.14	
For Class 55 Rating, Add	1,222.78	
40 05 19 00-0451 EA 36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,436.66	1,209.55
For Class 52 Rating, Deduct	-836.44	
For Class 54 Rating, Add	570.30	
For Class 55 Rating, Add	1,267.59	
40 05 19 00-0452 EA 36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,708.89	1,211.82
For Class 52 Rating, Deduct	-866.01	
For Class 54 Rating, Add	590.46	
For Class 55 Rating, Add	1,312.40	
40 05 19 00-0453 EA 36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,981.10	1,214.07
For Class 52 Rating, Deduct	-895.58	
For Class 54 Rating, Add	610.62	
For Class 55 Rating, Add	1,357.20	
40 05 19 00-0454 EA 36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,253.33	1,216.33
For Class 52 Rating, Deduct	-925.14	
For Class 54 Rating, Add	630.78	
For Class 55 Rating, Add	1,402.01	
40 05 19 00-0455 EA 36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,525.56	1,218.60
For Class 52 Rating, Deduct	-954.71	
For Class 54 Rating, Add	650.94	
For Class 55 Rating, Add	1,446.82	
40 05 19 00-0456 EA 36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,797.78	1,220.85
For Class 52 Rating, Deduct	-984.28	
For Class 54 Rating, Add	671.10	
For Class 55 Rating, Add	1,491.63	
40 05 19 00-0457 EA 36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,070.01	1,223.12
For Class 52 Rating, Deduct	-1,013.85	
For Class 54 Rating, Add	691.26	
For Class 55 Rating, Add	1,536.44	
40 05 19 00-0458 EA 36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,342.24	1,225.38
For Class 52 Rating, Deduct	-1,043.42	
For Class 54 Rating, Add	711.42	
For Class 55 Rating, Add	1,581.25	
40 05 19 00-0459 EA 36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,614.46	1,227.64
For Class 52 Rating, Deduct	-1,072.98	
For Class 54 Rating, Add	731.58	
For Class 55 Rating, Add	1,626.06	
40 05 19 00-0460 EA 36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,886.69	1,229.90
For Class 52 Rating, Deduct	-1,102.55	
For Class 54 Rating, Add	751.74	
For Class 55 Rating, Add	1,670.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0461 EA 36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,158.91	1,232.16
<i>For Class 52 Rating, Deduct</i>	-1,132.12	
<i>For Class 54 Rating, Add</i>	771.90	
<i>For Class 55 Rating, Add</i>	1,715.68	
40 05 19 00-0462 EA 36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,431.13	1,234.42
<i>For Class 52 Rating, Deduct</i>	-1,161.69	
<i>For Class 54 Rating, Add</i>	792.06	
<i>For Class 55 Rating, Add</i>	1,760.49	
40 05 19 00-0463 EA 36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,703.36	1,236.68
<i>For Class 52 Rating, Deduct</i>	-1,191.26	
<i>For Class 54 Rating, Add</i>	812.22	
<i>For Class 55 Rating, Add</i>	1,805.29	
40 05 19 00-0464 EA 36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,975.59	1,238.95
<i>For Class 52 Rating, Deduct</i>	-1,220.82	
<i>For Class 54 Rating, Add</i>	832.38	
<i>For Class 55 Rating, Add</i>	1,850.10	
40 05 19 00-0465 EA 36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,247.81	1,241.20
<i>For Class 52 Rating, Deduct</i>	-1,250.39	
<i>For Class 54 Rating, Add</i>	852.54	
<i>For Class 55 Rating, Add</i>	1,894.91	
40 05 19 00-0466 EA 36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,520.04	1,243.47
<i>For Class 52 Rating, Deduct</i>	-1,279.96	
<i>For Class 54 Rating, Add</i>	872.70	
<i>For Class 55 Rating, Add</i>	1,939.72	
40 05 19 00-0467 EA 36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,792.27	1,245.73
<i>For Class 52 Rating, Deduct</i>	-1,309.53	
<i>For Class 54 Rating, Add</i>	892.86	
<i>For Class 55 Rating, Add</i>	1,984.53	
40 05 19 00-0468 EA 36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,064.49	1,247.98
<i>For Class 52 Rating, Deduct</i>	-1,339.10	
<i>For Class 54 Rating, Add</i>	913.02	
<i>For Class 55 Rating, Add</i>	2,029.34	
40 05 19 00-0469 EA 36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,336.71	1,250.25
<i>For Class 52 Rating, Deduct</i>	-1,368.66	
<i>For Class 54 Rating, Add</i>	933.18	
<i>For Class 55 Rating, Add</i>	2,074.15	
40 05 19 00-0470 EA 36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,608.94	1,252.51
<i>For Class 52 Rating, Deduct</i>	-1,398.23	
<i>For Class 54 Rating, Add</i>	953.34	
<i>For Class 55 Rating, Add</i>	2,118.96	
40 05 19 00-0471 EA 36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,881.17	1,254.77
<i>For Class 52 Rating, Deduct</i>	-1,427.80	
<i>For Class 54 Rating, Add</i>	973.50	
<i>For Class 55 Rating, Add</i>	2,163.77	
40 05 19 00-0472 EA 36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,153.39	1,257.03
<i>For Class 52 Rating, Deduct</i>	-1,457.37	
<i>For Class 54 Rating, Add</i>	993.66	
<i>For Class 55 Rating, Add</i>	2,208.57	
40 05 19 00-0473 EA 36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,425.62	1,259.29
<i>For Class 52 Rating, Deduct</i>	-1,486.94	
<i>For Class 54 Rating, Add</i>	1,013.82	
<i>For Class 55 Rating, Add</i>	2,253.38	
40 05 19 00-0474 EA 36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,697.85	1,261.55
<i>For Class 52 Rating, Deduct</i>	-1,516.50	
<i>For Class 54 Rating, Add</i>	1,033.98	
<i>For Class 55 Rating, Add</i>	2,298.19	
40 05 19 00-0475 EA 36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,970.07	1,263.82
<i>For Class 52 Rating, Deduct</i>	-1,546.07	
<i>For Class 54 Rating, Add</i>	1,054.14	
<i>For Class 55 Rating, Add</i>	2,343.00	
40 05 19 00-0476 42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0477 EA 42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,736.39	1,487.63
<i>For Class 52 Rating, Deduct</i>	-603.06	
<i>For Class 54 Rating, Add</i>	411.18	
<i>For Class 55 Rating, Add</i>	913.92	
40 05 19 00-0478 EA 42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,141.42	1,489.90
<i>For Class 52 Rating, Deduct</i>	-647.24	
<i>For Class 54 Rating, Add</i>	441.30	
<i>For Class 55 Rating, Add</i>	980.86	
40 05 19 00-0479 EA 42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,541.65	1,492.16
<i>For Class 52 Rating, Deduct</i>	-690.89	
<i>For Class 54 Rating, Add</i>	471.06	
<i>For Class 55 Rating, Add</i>	1,047.01	
40 05 19 00-0480 EA 42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,945.87	1,494.42
<i>For Class 52 Rating, Deduct</i>	-734.98	
<i>For Class 54 Rating, Add</i>	501.12	
<i>For Class 55 Rating, Add</i>	1,113.82	
40 05 19 00-0481 EA 42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,346.10	1,496.68
<i>For Class 52 Rating, Deduct</i>	-778.62	
<i>For Class 54 Rating, Add</i>	530.88	
<i>For Class 55 Rating, Add</i>	1,179.97	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0482	EA		42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,751.13	1,498.94
			<i>For Class 52 Rating, Deduct</i>	-822.80	
			<i>For Class 54 Rating, Add</i>	561.00	
			<i>For Class 55 Rating, Add</i>	1,246.92	
40 05 19 00-0483	EA		42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,150.55	1,501.20
			<i>For Class 52 Rating, Deduct</i>	-866.36	
			<i>For Class 54 Rating, Add</i>	590.70	
			<i>For Class 55 Rating, Add</i>	1,312.93	
40 05 19 00-0484	EA		42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,555.57	1,503.46
			<i>For Class 52 Rating, Deduct</i>	-910.54	
			<i>For Class 54 Rating, Add</i>	620.82	
			<i>For Class 55 Rating, Add</i>	1,379.88	
40 05 19 00-0485	EA		42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,955.80	1,505.73
			<i>For Class 52 Rating, Deduct</i>	-954.18	
			<i>For Class 54 Rating, Add</i>	650.58	
			<i>For Class 55 Rating, Add</i>	1,446.02	
40 05 19 00-0486	EA		42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,360.02	1,507.98
			<i>For Class 52 Rating, Deduct</i>	-998.27	
			<i>For Class 54 Rating, Add</i>	680.64	
			<i>For Class 55 Rating, Add</i>	1,512.84	
40 05 19 00-0487	EA		42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,760.25	1,510.25
			<i>For Class 52 Rating, Deduct</i>	-1,041.92	
			<i>For Class 54 Rating, Add</i>	710.40	
			<i>For Class 55 Rating, Add</i>	1,578.98	
40 05 19 00-0488	EA		42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,164.48	1,512.51
			<i>For Class 52 Rating, Deduct</i>	-1,086.01	
			<i>For Class 54 Rating, Add</i>	740.46	
			<i>For Class 55 Rating, Add</i>	1,645.80	
40 05 19 00-0489	EA		42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,564.70	1,514.76
			<i>For Class 52 Rating, Deduct</i>	-1,129.66	
			<i>For Class 54 Rating, Add</i>	770.22	
			<i>For Class 55 Rating, Add</i>	1,711.94	
40 05 19 00-0490	EA		42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,965.73	1,517.03
			<i>For Class 52 Rating, Deduct</i>	-1,173.39	
			<i>For Class 54 Rating, Add</i>	800.04	
			<i>For Class 55 Rating, Add</i>	1,778.22	
40 05 19 00-0491	EA		42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,369.15	1,519.29
			<i>For Class 52 Rating, Deduct</i>	-1,217.39	
			<i>For Class 54 Rating, Add</i>	830.04	
			<i>For Class 55 Rating, Add</i>	1,844.90	
40 05 19 00-0492	EA		42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,769.37	1,521.55
			<i>For Class 52 Rating, Deduct</i>	-1,261.04	
			<i>For Class 54 Rating, Add</i>	859.80	
			<i>For Class 55 Rating, Add</i>	1,911.05	
40 05 19 00-0493	EA		42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,174.40	1,523.81
			<i>For Class 52 Rating, Deduct</i>	-1,305.22	
			<i>For Class 54 Rating, Add</i>	889.92	
			<i>For Class 55 Rating, Add</i>	1,978.00	
40 05 19 00-0494	EA		42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,574.63	1,526.07
			<i>For Class 52 Rating, Deduct</i>	-1,348.86	
			<i>For Class 54 Rating, Add</i>	919.68	
			<i>For Class 55 Rating, Add</i>	2,044.14	
40 05 19 00-0495	EA		42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,978.86	1,528.33
			<i>For Class 52 Rating, Deduct</i>	-1,392.95	
			<i>For Class 54 Rating, Add</i>	949.74	
			<i>For Class 55 Rating, Add</i>	2,110.96	
40 05 19 00-0496	EA		42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,379.08	1,530.59
			<i>For Class 52 Rating, Deduct</i>	-1,436.60	
			<i>For Class 54 Rating, Add</i>	979.50	
			<i>For Class 55 Rating, Add</i>	2,177.10	
40 05 19 00-0497	EA		42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,784.11	1,532.85
			<i>For Class 52 Rating, Deduct</i>	-1,480.78	
			<i>For Class 54 Rating, Add</i>	1,009.62	
			<i>For Class 55 Rating, Add</i>	2,244.05	
40 05 19 00-0498	EA		42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,184.34	1,535.11
			<i>For Class 52 Rating, Deduct</i>	-1,524.42	
			<i>For Class 54 Rating, Add</i>	1,039.38	
			<i>For Class 55 Rating, Add</i>	2,310.20	
40 05 19 00-0499	EA		42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,588.55	1,537.38
			<i>For Class 52 Rating, Deduct</i>	-1,568.51	
			<i>For Class 54 Rating, Add</i>	1,069.44	
			<i>For Class 55 Rating, Add</i>	2,377.01	
40 05 19 00-0500	EA		42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,988.78	1,539.63
			<i>For Class 52 Rating, Deduct</i>	-1,612.16	
			<i>For Class 54 Rating, Add</i>	1,099.20	
			<i>For Class 55 Rating, Add</i>	2,443.16	
40 05 19 00-0501	EA		42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,393.81	1,541.90
			<i>For Class 52 Rating, Deduct</i>	-1,656.34	
			<i>For Class 54 Rating, Add</i>	1,129.32	
			<i>For Class 55 Rating, Add</i>	2,510.10	
40 05 19 00-0502	EA		42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,794.03	1,544.16
			<i>For Class 52 Rating, Deduct</i>	-1,699.98	
			<i>For Class 54 Rating, Add</i>	1,159.08	
			<i>For Class 55 Rating, Add</i>	2,576.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0503 EA 42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,197.46	1,546.42
<i>For Class 52 Rating, Deduct</i>	-1,743.98	
<i>For Class 54 Rating, Add</i>	1,189.08	
<i>For Class 55 Rating, Add</i>	2,642.93	
40 05 19 00-0504 EA 42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,598.49	1,548.68
<i>For Class 52 Rating, Deduct</i>	-1,787.72	
<i>For Class 54 Rating, Add</i>	1,218.90	
<i>For Class 55 Rating, Add</i>	2,709.21	
40 05 19 00-0505 EA 42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,918.71	1,550.94
<i>For Class 52 Rating, Deduct</i>	-1,822.57	
<i>For Class 54 Rating, Add</i>	1,242.66	
<i>For Class 55 Rating, Add</i>	2,762.02	
40 05 19 00-0506 EA 42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,402.93	1,553.20
<i>For Class 52 Rating, Deduct</i>	-1,875.46	
<i>For Class 54 Rating, Add</i>	1,278.72	
<i>For Class 55 Rating, Add</i>	2,842.17	
40 05 19 00-0507 EA 42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,803.16	1,555.46
<i>For Class 52 Rating, Deduct</i>	-1,919.10	
<i>For Class 54 Rating, Add</i>	1,308.48	
<i>For Class 55 Rating, Add</i>	2,908.31	
40 05 19 00-0508 EA 42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,207.38	1,557.73
<i>For Class 52 Rating, Deduct</i>	-1,963.19	
<i>For Class 54 Rating, Add</i>	1,338.54	
<i>For Class 55 Rating, Add</i>	2,975.13	
40 05 19 00-0509 EA 42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,607.61	1,559.98
<i>For Class 52 Rating, Deduct</i>	-2,006.84	
<i>For Class 54 Rating, Add</i>	1,368.30	
<i>For Class 55 Rating, Add</i>	3,041.27	
40 05 19 00-0510 EA 42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,012.64	1,562.25
<i>For Class 52 Rating, Deduct</i>	-2,051.02	
<i>For Class 54 Rating, Add</i>	1,398.42	
<i>For Class 55 Rating, Add</i>	3,108.22	
40 05 19 00-0511 EA 42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,412.07	1,564.51
<i>For Class 52 Rating, Deduct</i>	-2,094.58	
<i>For Class 54 Rating, Add</i>	1,428.12	
<i>For Class 55 Rating, Add</i>	3,174.23	
40 05 19 00-0512 EA 42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,817.09	1,566.76
<i>For Class 52 Rating, Deduct</i>	-2,138.75	
<i>For Class 54 Rating, Add</i>	1,458.24	
<i>For Class 55 Rating, Add</i>	3,241.18	
40 05 19 00-0513 EA 42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,217.32	1,569.03
<i>For Class 52 Rating, Deduct</i>	-2,182.40	
<i>For Class 54 Rating, Add</i>	1,488.00	
<i>For Class 55 Rating, Add</i>	3,307.33	
40 05 19 00-0514 EA 42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,621.54	1,571.29
<i>For Class 52 Rating, Deduct</i>	-2,226.49	
<i>For Class 54 Rating, Add</i>	1,518.06	
<i>For Class 55 Rating, Add</i>	3,374.14	
40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0516 EA 48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,706.51	1,869.72
<i>For Class 52 Rating, Deduct</i>	-756.10	
<i>For Class 54 Rating, Add</i>	515.52	
<i>For Class 55 Rating, Add</i>	1,145.83	
40 05 19 00-0517 EA 48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,294.74	1,871.98
<i>For Class 52 Rating, Deduct</i>	-820.42	
<i>For Class 54 Rating, Add</i>	559.38	
<i>For Class 55 Rating, Add</i>	1,243.32	
40 05 19 00-0518 EA 48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,882.16	1,874.24
<i>For Class 52 Rating, Deduct</i>	-884.66	
<i>For Class 54 Rating, Add</i>	603.18	
<i>For Class 55 Rating, Add</i>	1,340.67	
40 05 19 00-0519 EA 48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,474.38	1,876.51
<i>For Class 52 Rating, Deduct</i>	-949.43	
<i>For Class 54 Rating, Add</i>	647.34	
<i>For Class 55 Rating, Add</i>	1,438.82	
40 05 19 00-0520 EA 48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,062.61	1,878.76
<i>For Class 52 Rating, Deduct</i>	-1,013.76	
<i>For Class 54 Rating, Add</i>	691.20	
<i>For Class 55 Rating, Add</i>	1,536.31	
40 05 19 00-0521 EA 48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,650.84	1,881.02
<i>For Class 52 Rating, Deduct</i>	-1,078.09	
<i>For Class 54 Rating, Add</i>	735.06	
<i>For Class 55 Rating, Add</i>	1,633.79	
40 05 19 00-0522 EA 48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,242.26	1,883.29
<i>For Class 52 Rating, Deduct</i>	-1,142.77	
<i>For Class 54 Rating, Add</i>	779.16	
<i>For Class 55 Rating, Add</i>	1,731.81	
40 05 19 00-0523 EA 48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,831.29	1,885.54
<i>For Class 52 Rating, Deduct</i>	-1,207.18	
<i>For Class 54 Rating, Add</i>	823.08	
<i>For Class 55 Rating, Add</i>	1,829.43	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0524	EA		48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,418.72	1,887.81
			<i>For Class 52 Rating, Deduct</i>	-1,271.42	
			<i>For Class 54 Rating, Add</i>	866.88	
			<i>For Class 55 Rating, Add</i>	1,926.79	
40 05 19 00-0525	EA		48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,010.94	1,890.07
			<i>For Class 52 Rating, Deduct</i>	-1,336.19	
			<i>For Class 54 Rating, Add</i>	911.04	
			<i>For Class 55 Rating, Add</i>	2,024.94	
40 05 19 00-0526	EA		48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,599.16	1,892.33
			<i>For Class 52 Rating, Deduct</i>	-1,400.52	
			<i>For Class 54 Rating, Add</i>	954.90	
			<i>For Class 55 Rating, Add</i>	2,122.42	
40 05 19 00-0527	EA		48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,191.39	1,894.59
			<i>For Class 52 Rating, Deduct</i>	-1,465.29	
			<i>For Class 54 Rating, Add</i>	999.06	
			<i>For Class 55 Rating, Add</i>	2,220.58	
40 05 19 00-0528	EA		48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,778.81	1,896.85
			<i>For Class 52 Rating, Deduct</i>	-1,529.53	
			<i>For Class 54 Rating, Add</i>	1,042.86	
			<i>For Class 55 Rating, Add</i>	2,317.93	
40 05 19 00-0529	EA		48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,367.04	1,899.11
			<i>For Class 52 Rating, Deduct</i>	-1,593.86	
			<i>For Class 54 Rating, Add</i>	1,086.72	
			<i>For Class 55 Rating, Add</i>	2,415.42	
40 05 19 00-0530	EA		48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,959.27	1,901.37
			<i>For Class 52 Rating, Deduct</i>	-1,658.62	
			<i>For Class 54 Rating, Add</i>	1,130.88	
			<i>For Class 55 Rating, Add</i>	2,513.57	
40 05 19 00-0531	EA		48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,547.49	1,903.63
			<i>For Class 52 Rating, Deduct</i>	-1,722.95	
			<i>For Class 54 Rating, Add</i>	1,174.74	
			<i>For Class 55 Rating, Add</i>	2,611.06	
40 05 19 00-0532	EA		48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,134.92	1,905.89
			<i>For Class 52 Rating, Deduct</i>	-1,787.19	
			<i>For Class 54 Rating, Add</i>	1,218.54	
			<i>For Class 55 Rating, Add</i>	2,708.41	
40 05 19 00-0533	EA		48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,727.15	1,908.16
			<i>For Class 52 Rating, Deduct</i>	-1,851.96	
			<i>For Class 54 Rating, Add</i>	1,262.70	
			<i>For Class 55 Rating, Add</i>	2,806.56	
40 05 19 00-0534	EA		48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,315.36	1,910.41
			<i>For Class 52 Rating, Deduct</i>	-1,916.29	
			<i>For Class 54 Rating, Add</i>	1,306.56	
			<i>For Class 55 Rating, Add</i>	2,904.05	
40 05 19 00-0535	EA		48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,902.79	1,912.68
			<i>For Class 52 Rating, Deduct</i>	-1,980.53	
			<i>For Class 54 Rating, Add</i>	1,350.36	
			<i>For Class 55 Rating, Add</i>	3,001.40	
40 05 19 00-0536	EA		48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,495.02	1,914.94
			<i>For Class 52 Rating, Deduct</i>	-2,045.30	
			<i>For Class 54 Rating, Add</i>	1,394.52	
			<i>For Class 55 Rating, Add</i>	3,099.55	
40 05 19 00-0537	EA		48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,084.04	1,917.19
			<i>For Class 52 Rating, Deduct</i>	-2,109.71	
			<i>For Class 54 Rating, Add</i>	1,438.44	
			<i>For Class 55 Rating, Add</i>	3,197.17	
40 05 19 00-0538	EA		48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,671.47	1,919.46
			<i>For Class 52 Rating, Deduct</i>	-2,173.95	
			<i>For Class 54 Rating, Add</i>	1,482.24	
			<i>For Class 55 Rating, Add</i>	3,294.53	
40 05 19 00-0539	EA		48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,263.70	1,921.72
			<i>For Class 52 Rating, Deduct</i>	-2,238.72	
			<i>For Class 54 Rating, Add</i>	1,526.40	
			<i>For Class 55 Rating, Add</i>	3,392.68	
40 05 19 00-0540	EA		48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,851.93	1,923.98
			<i>For Class 52 Rating, Deduct</i>	-2,303.05	
			<i>For Class 54 Rating, Add</i>	1,570.26	
			<i>For Class 55 Rating, Add</i>	3,490.16	
40 05 19 00-0541	EA		48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,439.34	1,926.24
			<i>For Class 52 Rating, Deduct</i>	-2,367.29	
			<i>For Class 54 Rating, Add</i>	1,614.06	
			<i>For Class 55 Rating, Add</i>	3,587.52	
40 05 19 00-0542	EA		48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,031.57	1,928.51
			<i>For Class 52 Rating, Deduct</i>	-2,432.06	
			<i>For Class 54 Rating, Add</i>	1,658.22	
			<i>For Class 55 Rating, Add</i>	3,685.67	
40 05 19 00-0543	EA		48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,619.80	1,930.76
			<i>For Class 52 Rating, Deduct</i>	-2,496.38	
			<i>For Class 54 Rating, Add</i>	1,702.08	
			<i>For Class 55 Rating, Add</i>	3,783.16	
40 05 19 00-0544	EA		48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,136.02	1,933.02
			<i>For Class 52 Rating, Deduct</i>	-2,552.79	
			<i>For Class 54 Rating, Add</i>	1,740.54	
			<i>For Class 55 Rating, Add</i>	3,868.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0545 EA 48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,800.25	1,935.29
<i>For Class 52 Rating, Deduct</i>	-2,625.48	
<i>For Class 54 Rating, Add</i>	1,790.10	
<i>For Class 55 Rating, Add</i>	3,978.80	
40 05 19 00-0546 EA 48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,387.68	1,937.54
<i>For Class 52 Rating, Deduct</i>	-2,689.72	
<i>For Class 54 Rating, Add</i>	1,833.90	
<i>For Class 55 Rating, Add</i>	4,076.15	
40 05 19 00-0547 EA 48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,980.70	1,939.81
<i>For Class 52 Rating, Deduct</i>	-2,754.58	
<i>For Class 54 Rating, Add</i>	1,878.12	
<i>For Class 55 Rating, Add</i>	4,174.43	
40 05 19 00-0548 EA 48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,568.13	1,942.07
<i>For Class 52 Rating, Deduct</i>	-2,818.82	
<i>For Class 54 Rating, Add</i>	1,921.92	
<i>For Class 55 Rating, Add</i>	4,271.79	
40 05 19 00-0549 EA 48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,155.55	1,944.33
<i>For Class 52 Rating, Deduct</i>	-2,883.06	
<i>For Class 54 Rating, Add</i>	1,965.72	
<i>For Class 55 Rating, Add</i>	4,369.14	
40 05 19 00-0550 EA 48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,748.57	1,946.59
<i>For Class 52 Rating, Deduct</i>	-2,947.91	
<i>For Class 54 Rating, Add</i>	2,009.94	
<i>For Class 55 Rating, Add</i>	4,467.43	
40 05 19 00-0551 EA 48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,336.00	1,948.85
<i>For Class 52 Rating, Deduct</i>	-3,012.15	
<i>For Class 54 Rating, Add</i>	2,053.74	
<i>For Class 55 Rating, Add</i>	4,564.78	
40 05 19 00-0552 EA 48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,924.23	1,951.11
<i>For Class 52 Rating, Deduct</i>	-3,076.48	
<i>For Class 54 Rating, Add</i>	2,097.60	
<i>For Class 55 Rating, Add</i>	4,662.27	
40 05 19 00-0553 EA 48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,516.45	1,953.37
<i>For Class 52 Rating, Deduct</i>	-3,141.25	
<i>For Class 54 Rating, Add</i>	2,141.76	
<i>For Class 55 Rating, Add</i>	4,760.42	
 40 05 19 00-0554 Flanged End x Grooved End (FxG), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
 40 05 19 00-0555 4" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0556 EA 4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	292.76	103.45
<i>For Class 52 Rating, Deduct</i>	-14.96	
<i>For Class 54 Rating, Add</i>	10.20	
<i>For Class 55 Rating, Add</i>	22.67	
40 05 19 00-0557 EA 4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	316.29	105.27
<i>For Class 52 Rating, Deduct</i>	-17.25	
<i>For Class 54 Rating, Add</i>	11.76	
<i>For Class 55 Rating, Add</i>	26.14	
40 05 19 00-0558 EA 4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	339.84	107.08
<i>For Class 52 Rating, Deduct</i>	-19.54	
<i>For Class 54 Rating, Add</i>	13.32	
<i>For Class 55 Rating, Add</i>	29.61	
40 05 19 00-0559 EA 4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	363.37	108.88
<i>For Class 52 Rating, Deduct</i>	-21.82	
<i>For Class 54 Rating, Add</i>	14.88	
<i>For Class 55 Rating, Add</i>	33.07	
40 05 19 00-0560 EA 4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	386.92	110.70
<i>For Class 52 Rating, Deduct</i>	-24.11	
<i>For Class 54 Rating, Add</i>	16.44	
<i>For Class 55 Rating, Add</i>	36.54	
40 05 19 00-0561 EA 4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	410.45	112.50
<i>For Class 52 Rating, Deduct</i>	-26.40	
<i>For Class 54 Rating, Add</i>	18.00	
<i>For Class 55 Rating, Add</i>	40.01	
40 05 19 00-0562 EA 4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	434.00	114.31
<i>For Class 52 Rating, Deduct</i>	-28.69	
<i>For Class 54 Rating, Add</i>	19.56	
<i>For Class 55 Rating, Add</i>	43.48	
40 05 19 00-0563 EA 4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	457.53	116.12
<i>For Class 52 Rating, Deduct</i>	-30.98	
<i>For Class 54 Rating, Add</i>	21.12	
<i>For Class 55 Rating, Add</i>	46.94	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0564	EA		4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	481.08	117.93
			For Class 52 Rating, Deduct	-33.26	
			For Class 54 Rating, Add	22.68	
			For Class 55 Rating, Add	50.41	
40 05 19 00-0565	EA		4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	504.62	119.73
			For Class 52 Rating, Deduct	-35.55	
			For Class 54 Rating, Add	24.24	
			For Class 55 Rating, Add	53.88	
40 05 19 00-0566	EA		4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	528.16	121.55
			For Class 52 Rating, Deduct	-37.84	
			For Class 54 Rating, Add	25.80	
			For Class 55 Rating, Add	57.34	
40 05 19 00-0567	EA		4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	551.70	123.35
			For Class 52 Rating, Deduct	-40.13	
			For Class 54 Rating, Add	27.36	
			For Class 55 Rating, Add	60.81	
40 05 19 00-0568	EA		4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	575.24	125.16
			For Class 52 Rating, Deduct	-42.42	
			For Class 54 Rating, Add	28.92	
			For Class 55 Rating, Add	64.28	
40 05 19 00-0569	EA		4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	598.78	126.98
			For Class 52 Rating, Deduct	-44.70	
			For Class 54 Rating, Add	30.48	
			For Class 55 Rating, Add	67.75	
40 05 19 00-0570	EA		4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	622.32	128.78
			For Class 52 Rating, Deduct	-46.99	
			For Class 54 Rating, Add	32.04	
			For Class 55 Rating, Add	71.21	
40 05 19 00-0571	EA		4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	645.86	130.59
			For Class 52 Rating, Deduct	-49.28	
			For Class 54 Rating, Add	33.60	
			For Class 55 Rating, Add	74.68	
40 05 19 00-0572	EA		4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	669.40	132.39
			For Class 52 Rating, Deduct	-51.57	
			For Class 54 Rating, Add	35.16	
			For Class 55 Rating, Add	78.15	
40 05 19 00-0573	EA		4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	692.94	134.21
			For Class 52 Rating, Deduct	-53.86	
			For Class 54 Rating, Add	36.72	
			For Class 55 Rating, Add	81.62	
40 05 19 00-0574	EA		4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	716.48	136.01
			For Class 52 Rating, Deduct	-56.14	
			For Class 54 Rating, Add	38.28	
			For Class 55 Rating, Add	85.08	
40 05 19 00-0575	EA		4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	740.02	137.82
			For Class 52 Rating, Deduct	-58.43	
			For Class 54 Rating, Add	39.84	
			For Class 55 Rating, Add	88.55	
40 05 19 00-0576	EA		4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	763.56	139.63
			For Class 52 Rating, Deduct	-60.72	
			For Class 54 Rating, Add	41.40	
			For Class 55 Rating, Add	92.02	
40 05 19 00-0577	EA		4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	787.10	141.44
			For Class 52 Rating, Deduct	-63.01	
			For Class 54 Rating, Add	42.96	
			For Class 55 Rating, Add	95.49	
40 05 19 00-0578	EA		4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	810.64	143.24
			For Class 52 Rating, Deduct	-65.30	
			For Class 54 Rating, Add	44.52	
			For Class 55 Rating, Add	98.95	
40 05 19 00-0579	EA		4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	834.18	145.06
			For Class 52 Rating, Deduct	-67.58	
			For Class 54 Rating, Add	46.08	
			For Class 55 Rating, Add	102.42	
40 05 19 00-0580	EA		4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	857.72	146.87
			For Class 52 Rating, Deduct	-69.87	
			For Class 54 Rating, Add	47.64	
			For Class 55 Rating, Add	105.89	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0581 EA 4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	881.26	148.67
For Class 52 Rating, Deduct	-72.16	
For Class 54 Rating, Add	49.20	
For Class 55 Rating, Add	109.36	
40 05 19 00-0582 EA 4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	904.80	150.49
For Class 52 Rating, Deduct	-74.45	
For Class 54 Rating, Add	50.76	
For Class 55 Rating, Add	112.82	
40 05 19 00-0583 EA 4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	928.34	152.29
For Class 52 Rating, Deduct	-76.74	
For Class 54 Rating, Add	52.32	
For Class 55 Rating, Add	116.29	
40 05 19 00-0584 EA 4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	951.88	154.10
For Class 52 Rating, Deduct	-79.02	
For Class 54 Rating, Add	53.88	
For Class 55 Rating, Add	119.76	
40 05 19 00-0585 EA 4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	975.42	155.91
For Class 52 Rating, Deduct	-81.31	
For Class 54 Rating, Add	55.44	
For Class 55 Rating, Add	123.22	
40 05 19 00-0586 EA 4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	998.96	157.72
For Class 52 Rating, Deduct	-83.60	
For Class 54 Rating, Add	57.00	
For Class 55 Rating, Add	126.69	
40 05 19 00-0587 EA 4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,022.51	159.52
For Class 52 Rating, Deduct	-85.89	
For Class 54 Rating, Add	58.56	
For Class 55 Rating, Add	130.16	
40 05 19 00-0588 EA 4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,046.04	161.34
For Class 52 Rating, Deduct	-88.18	
For Class 54 Rating, Add	60.12	
For Class 55 Rating, Add	133.63	
40 05 19 00-0589 EA 4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,069.59	163.14
For Class 52 Rating, Deduct	-90.46	
For Class 54 Rating, Add	61.68	
For Class 55 Rating, Add	137.09	
40 05 19 00-0590 EA 4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,093.12	164.95
For Class 52 Rating, Deduct	-92.75	
For Class 54 Rating, Add	63.24	
For Class 55 Rating, Add	140.56	
40 05 19 00-0591 EA 4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,116.67	166.77
For Class 52 Rating, Deduct	-95.04	
For Class 54 Rating, Add	64.80	
For Class 55 Rating, Add	144.03	
40 05 19 00-0592 EA 4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,140.20	168.57
For Class 52 Rating, Deduct	-97.33	
For Class 54 Rating, Add	66.36	
For Class 55 Rating, Add	147.50	
40 05 19 00-0593 EA 4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,163.75	170.38
For Class 52 Rating, Deduct	-99.62	
For Class 54 Rating, Add	67.92	
For Class 55 Rating, Add	150.96	
40 05 19 00-0594 EA 4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,187.28	172.19
For Class 52 Rating, Deduct	-101.90	
For Class 54 Rating, Add	69.48	
For Class 55 Rating, Add	154.43	
40 05 19 00-0595 6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-0554)</small>		
40 05 19 00-0596 EA 6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	366.12	130.22
For Class 52 Rating, Deduct	-18.57	
For Class 54 Rating, Add	12.66	
For Class 55 Rating, Add	28.14	
40 05 19 00-0597 EA 6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	394.45	132.04
For Class 52 Rating, Deduct	-21.38	
For Class 54 Rating, Add	14.58	
For Class 55 Rating, Add	32.41	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0598	EA		6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	422.80	133.84
			<i>For Class 52 Rating, Deduct</i>	-24.20	
			<i>For Class 54 Rating, Add</i>	16.50	
			<i>For Class 55 Rating, Add</i>	36.67	
40 05 19 00-0599	EA		6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	451.13	135.65
			<i>For Class 52 Rating, Deduct</i>	-27.02	
			<i>For Class 54 Rating, Add</i>	18.42	
			<i>For Class 55 Rating, Add</i>	40.94	
40 05 19 00-0600	EA		6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	479.48	137.45
			<i>For Class 52 Rating, Deduct</i>	-29.83	
			<i>For Class 54 Rating, Add</i>	20.34	
			<i>For Class 55 Rating, Add</i>	45.21	
40 05 19 00-0601	EA		6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	507.81	139.27
			<i>For Class 52 Rating, Deduct</i>	-32.65	
			<i>For Class 54 Rating, Add</i>	22.26	
			<i>For Class 55 Rating, Add</i>	49.48	
40 05 19 00-0602	EA		6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	536.15	141.08
			<i>For Class 52 Rating, Deduct</i>	-35.46	
			<i>For Class 54 Rating, Add</i>	24.18	
			<i>For Class 55 Rating, Add</i>	53.74	
40 05 19 00-0603	EA		6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	564.49	142.88
			<i>For Class 52 Rating, Deduct</i>	-38.28	
			<i>For Class 54 Rating, Add</i>	26.10	
			<i>For Class 55 Rating, Add</i>	58.01	
40 05 19 00-0604	EA		6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	592.83	144.70
			<i>For Class 52 Rating, Deduct</i>	-41.10	
			<i>For Class 54 Rating, Add</i>	28.02	
			<i>For Class 55 Rating, Add</i>	62.28	
40 05 19 00-0605	EA		6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	621.17	146.50
			<i>For Class 52 Rating, Deduct</i>	-43.91	
			<i>For Class 54 Rating, Add</i>	29.94	
			<i>For Class 55 Rating, Add</i>	66.55	
40 05 19 00-0606	EA		6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	649.51	148.31
			<i>For Class 52 Rating, Deduct</i>	-46.73	
			<i>For Class 54 Rating, Add</i>	31.86	
			<i>For Class 55 Rating, Add</i>	70.81	
40 05 19 00-0607	EA		6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	677.86	150.12
			<i>For Class 52 Rating, Deduct</i>	-49.54	
			<i>For Class 54 Rating, Add</i>	33.78	
			<i>For Class 55 Rating, Add</i>	75.08	
40 05 19 00-0608	EA		6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	706.19	151.93
			<i>For Class 52 Rating, Deduct</i>	-52.36	
			<i>For Class 54 Rating, Add</i>	35.70	
			<i>For Class 55 Rating, Add</i>	79.35	
40 05 19 00-0609	EA		6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	734.54	153.73
			<i>For Class 52 Rating, Deduct</i>	-55.18	
			<i>For Class 54 Rating, Add</i>	37.62	
			<i>For Class 55 Rating, Add</i>	83.62	
40 05 19 00-0610	EA		6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	762.87	155.55
			<i>For Class 52 Rating, Deduct</i>	-57.99	
			<i>For Class 54 Rating, Add</i>	39.54	
			<i>For Class 55 Rating, Add</i>	87.88	
40 05 19 00-0611	EA		6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	791.22	157.35
			<i>For Class 52 Rating, Deduct</i>	-60.81	
			<i>For Class 54 Rating, Add</i>	41.46	
			<i>For Class 55 Rating, Add</i>	92.15	
40 05 19 00-0612	EA		6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	819.55	159.16
			<i>For Class 52 Rating, Deduct</i>	-63.62	
			<i>For Class 54 Rating, Add</i>	43.38	
			<i>For Class 55 Rating, Add</i>	96.42	
40 05 19 00-0613	EA		6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	847.90	160.98
			<i>For Class 52 Rating, Deduct</i>	-66.44	
			<i>For Class 54 Rating, Add</i>	45.30	
			<i>For Class 55 Rating, Add</i>	100.69	
40 05 19 00-0614	EA		6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	876.23	162.78
			<i>For Class 52 Rating, Deduct</i>	-69.26	
			<i>For Class 54 Rating, Add</i>	47.22	
			<i>For Class 55 Rating, Add</i>	104.95	



Process Interconnections	40
Common Work Results For Process Interconnections	40 05
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0615 EA 6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	904.58	164.59
For Class 52 Rating, Deduct	-72.07	
For Class 54 Rating, Add	49.14	
For Class 55 Rating, Add	109.22	
40 05 19 00-0616 EA 6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	932.91	166.40
For Class 52 Rating, Deduct	-74.89	
For Class 54 Rating, Add	51.06	
For Class 55 Rating, Add	113.49	
40 05 19 00-0617 EA 6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	961.26	168.21
For Class 52 Rating, Deduct	-77.70	
For Class 54 Rating, Add	52.98	
For Class 55 Rating, Add	117.76	
40 05 19 00-0618 EA 6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	989.60	170.01
For Class 52 Rating, Deduct	-80.52	
For Class 54 Rating, Add	54.90	
For Class 55 Rating, Add	122.02	
40 05 19 00-0619 EA 6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,017.94	171.83
For Class 52 Rating, Deduct	-83.34	
For Class 54 Rating, Add	56.82	
For Class 55 Rating, Add	126.29	
40 05 19 00-0620 EA 6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,046.28	173.63
For Class 52 Rating, Deduct	-86.15	
For Class 54 Rating, Add	58.74	
For Class 55 Rating, Add	130.56	
40 05 19 00-0621 EA 6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,074.62	175.44
For Class 52 Rating, Deduct	-88.97	
For Class 54 Rating, Add	60.66	
For Class 55 Rating, Add	134.83	
40 05 19 00-0622 EA 6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,102.96	177.25
For Class 52 Rating, Deduct	-91.78	
For Class 54 Rating, Add	62.58	
For Class 55 Rating, Add	139.09	
40 05 19 00-0623 EA 6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,131.30	179.06
For Class 52 Rating, Deduct	-94.60	
For Class 54 Rating, Add	64.50	
For Class 55 Rating, Add	143.36	
40 05 19 00-0624 EA 6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,159.64	180.87
For Class 52 Rating, Deduct	-97.42	
For Class 54 Rating, Add	66.42	
For Class 55 Rating, Add	147.63	
40 05 19 00-0625 EA 6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,187.98	182.68
For Class 52 Rating, Deduct	-100.23	
For Class 54 Rating, Add	68.34	
For Class 55 Rating, Add	151.90	
40 05 19 00-0626 EA 6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,216.32	184.49
For Class 52 Rating, Deduct	-103.05	
For Class 54 Rating, Add	70.26	
For Class 55 Rating, Add	156.16	
40 05 19 00-0627 EA 6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,244.66	186.29
For Class 52 Rating, Deduct	-105.86	
For Class 54 Rating, Add	72.18	
For Class 55 Rating, Add	160.43	
40 05 19 00-0628 EA 6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,273.00	188.10
For Class 52 Rating, Deduct	-108.68	
For Class 54 Rating, Add	74.10	
For Class 55 Rating, Add	164.70	
40 05 19 00-0629 EA 6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,301.35	189.91
For Class 52 Rating, Deduct	-111.50	
For Class 54 Rating, Add	76.02	
For Class 55 Rating, Add	168.97	
40 05 19 00-0630 EA 6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,329.68	191.72
For Class 52 Rating, Deduct	-114.31	
For Class 54 Rating, Add	77.94	
For Class 55 Rating, Add	173.23	
40 05 19 00-0631 EA 6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,358.03	193.52
For Class 52 Rating, Deduct	-117.13	
For Class 54 Rating, Add	79.86	
For Class 55 Rating, Add	177.50	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0632	EA		6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,386.36	195.34
			<i>For Class 52 Rating, Deduct</i>	-119.94	
			<i>For Class 54 Rating, Add</i>	81.78	
			<i>For Class 55 Rating, Add</i>	181.77	
40 05 19 00-0633	EA		6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,414.71	197.14
			<i>For Class 52 Rating, Deduct</i>	-122.76	
			<i>For Class 54 Rating, Add</i>	83.70	
			<i>For Class 55 Rating, Add</i>	186.04	
40 05 19 00-0634	EA		6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,443.04	198.95
			<i>For Class 52 Rating, Deduct</i>	-125.58	
			<i>For Class 54 Rating, Add</i>	85.62	
			<i>For Class 55 Rating, Add</i>	190.30	
40 05 19 00-0635			8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-0554)</small>		
40 05 19 00-0636	EA		8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	498.51	166.40
			<i>For Class 52 Rating, Deduct</i>	-27.10	
			<i>For Class 54 Rating, Add</i>	18.48	
			<i>For Class 55 Rating, Add</i>	41.07	
40 05 19 00-0637	EA		8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	536.46	168.21
			<i>For Class 52 Rating, Deduct</i>	-30.98	
			<i>For Class 54 Rating, Add</i>	21.12	
			<i>For Class 55 Rating, Add</i>	46.94	
40 05 19 00-0638	EA		8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	574.40	170.01
			<i>For Class 52 Rating, Deduct</i>	-34.85	
			<i>For Class 54 Rating, Add</i>	23.76	
			<i>For Class 55 Rating, Add</i>	52.81	
40 05 19 00-0639	EA		8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	612.34	171.83
			<i>For Class 52 Rating, Deduct</i>	-38.72	
			<i>For Class 54 Rating, Add</i>	26.40	
			<i>For Class 55 Rating, Add</i>	58.68	
40 05 19 00-0640	EA		8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	650.28	173.63
			<i>For Class 52 Rating, Deduct</i>	-42.59	
			<i>For Class 54 Rating, Add</i>	29.04	
			<i>For Class 55 Rating, Add</i>	64.55	
40 05 19 00-0641	EA		8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	688.22	175.44
			<i>For Class 52 Rating, Deduct</i>	-46.46	
			<i>For Class 54 Rating, Add</i>	31.68	
			<i>For Class 55 Rating, Add</i>	70.41	
40 05 19 00-0642	EA		8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	726.16	177.25
			<i>For Class 52 Rating, Deduct</i>	-50.34	
			<i>For Class 54 Rating, Add</i>	34.32	
			<i>For Class 55 Rating, Add</i>	76.28	
40 05 19 00-0643	EA		8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	764.10	179.06
			<i>For Class 52 Rating, Deduct</i>	-54.21	
			<i>For Class 54 Rating, Add</i>	36.96	
			<i>For Class 55 Rating, Add</i>	82.15	
40 05 19 00-0644	EA		8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	802.04	180.87
			<i>For Class 52 Rating, Deduct</i>	-58.08	
			<i>For Class 54 Rating, Add</i>	39.60	
			<i>For Class 55 Rating, Add</i>	88.02	
40 05 19 00-0645	EA		8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	839.98	182.68
			<i>For Class 52 Rating, Deduct</i>	-61.95	
			<i>For Class 54 Rating, Add</i>	42.24	
			<i>For Class 55 Rating, Add</i>	93.89	
40 05 19 00-0646	EA		8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	877.92	184.49
			<i>For Class 52 Rating, Deduct</i>	-65.82	
			<i>For Class 54 Rating, Add</i>	44.88	
			<i>For Class 55 Rating, Add</i>	99.75	
40 05 19 00-0647	EA		8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	915.86	186.29
			<i>For Class 52 Rating, Deduct</i>	-69.70	
			<i>For Class 54 Rating, Add</i>	47.52	
			<i>For Class 55 Rating, Add</i>	105.62	
40 05 19 00-0648	EA		8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	953.80	188.10
			<i>For Class 52 Rating, Deduct</i>	-73.57	
			<i>For Class 54 Rating, Add</i>	50.16	
			<i>For Class 55 Rating, Add</i>	111.49	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0649 EA 8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	991.75	189.91
<i>For Class 52 Rating, Deduct</i>	-77.44	
<i>For Class 54 Rating, Add</i>	52.80	
<i>For Class 55 Rating, Add</i>	117.36	
40 05 19 00-0650 EA 8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,029.68	191.72
<i>For Class 52 Rating, Deduct</i>	-81.31	
<i>For Class 54 Rating, Add</i>	55.44	
<i>For Class 55 Rating, Add</i>	123.22	
40 05 19 00-0651 EA 8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,067.63	193.52
<i>For Class 52 Rating, Deduct</i>	-85.18	
<i>For Class 54 Rating, Add</i>	58.08	
<i>For Class 55 Rating, Add</i>	129.09	
40 05 19 00-0652 EA 8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,105.56	195.34
<i>For Class 52 Rating, Deduct</i>	-89.06	
<i>For Class 54 Rating, Add</i>	60.72	
<i>For Class 55 Rating, Add</i>	134.96	
40 05 19 00-0653 EA 8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,143.51	197.14
<i>For Class 52 Rating, Deduct</i>	-92.93	
<i>For Class 54 Rating, Add</i>	63.36	
<i>For Class 55 Rating, Add</i>	140.83	
40 05 19 00-0654 EA 8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,181.44	198.95
<i>For Class 52 Rating, Deduct</i>	-96.80	
<i>For Class 54 Rating, Add</i>	66.00	
<i>For Class 55 Rating, Add</i>	146.70	
40 05 19 00-0655 EA 8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,219.39	200.77
<i>For Class 52 Rating, Deduct</i>	-100.67	
<i>For Class 54 Rating, Add</i>	68.64	
<i>For Class 55 Rating, Add</i>	152.56	
40 05 19 00-0656 EA 8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,257.32	202.57
<i>For Class 52 Rating, Deduct</i>	-104.54	
<i>For Class 54 Rating, Add</i>	71.28	
<i>For Class 55 Rating, Add</i>	158.43	
40 05 19 00-0657 EA 8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,295.27	204.38
<i>For Class 52 Rating, Deduct</i>	-108.42	
<i>For Class 54 Rating, Add</i>	73.92	
<i>For Class 55 Rating, Add</i>	164.30	
40 05 19 00-0658 EA 8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,333.21	206.19
<i>For Class 52 Rating, Deduct</i>	-112.29	
<i>For Class 54 Rating, Add</i>	76.56	
<i>For Class 55 Rating, Add</i>	170.17	
40 05 19 00-0659 EA 8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,371.15	208.00
<i>For Class 52 Rating, Deduct</i>	-116.16	
<i>For Class 54 Rating, Add</i>	79.20	
<i>For Class 55 Rating, Add</i>	176.04	
40 05 19 00-0660 EA 8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,409.09	209.80
<i>For Class 52 Rating, Deduct</i>	-120.03	
<i>For Class 54 Rating, Add</i>	81.84	
<i>For Class 55 Rating, Add</i>	181.90	
40 05 19 00-0661 EA 8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,447.03	211.62
<i>For Class 52 Rating, Deduct</i>	-123.90	
<i>For Class 54 Rating, Add</i>	84.48	
<i>For Class 55 Rating, Add</i>	187.77	
40 05 19 00-0662 EA 8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,484.97	213.42
<i>For Class 52 Rating, Deduct</i>	-127.78	
<i>For Class 54 Rating, Add</i>	87.12	
<i>For Class 55 Rating, Add</i>	193.64	
40 05 19 00-0663 EA 8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,522.91	215.23
<i>For Class 52 Rating, Deduct</i>	-131.65	
<i>For Class 54 Rating, Add</i>	89.76	
<i>For Class 55 Rating, Add</i>	199.51	
40 05 19 00-0664 EA 8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,560.85	217.04
<i>For Class 52 Rating, Deduct</i>	-135.52	
<i>For Class 54 Rating, Add</i>	92.40	
<i>For Class 55 Rating, Add</i>	205.37	
40 05 19 00-0665 EA 8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,598.79	218.85
<i>For Class 52 Rating, Deduct</i>	-139.39	
<i>For Class 54 Rating, Add</i>	95.04	
<i>For Class 55 Rating, Add</i>	211.24	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0666	EA		8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,636.73	220.66
			<i>For Class 52 Rating, Deduct</i>	-143.26	
			<i>For Class 54 Rating, Add</i>	97.68	
			<i>For Class 55 Rating, Add</i>	217.11	
40 05 19 00-0667	EA		8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,674.67	222.47
			<i>For Class 52 Rating, Deduct</i>	-147.14	
			<i>For Class 54 Rating, Add</i>	100.32	
			<i>For Class 55 Rating, Add</i>	222.98	
40 05 19 00-0668	EA		8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,712.61	224.28
			<i>For Class 52 Rating, Deduct</i>	-151.01	
			<i>For Class 54 Rating, Add</i>	102.96	
			<i>For Class 55 Rating, Add</i>	228.85	
40 05 19 00-0669	EA		8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,750.56	226.08
			<i>For Class 52 Rating, Deduct</i>	-154.88	
			<i>For Class 54 Rating, Add</i>	105.60	
			<i>For Class 55 Rating, Add</i>	234.71	
40 05 19 00-0670	EA		8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,788.49	227.90
			<i>For Class 52 Rating, Deduct</i>	-158.75	
			<i>For Class 54 Rating, Add</i>	108.24	
			<i>For Class 55 Rating, Add</i>	240.58	
40 05 19 00-0671	EA		8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,826.44	229.70
			<i>For Class 52 Rating, Deduct</i>	-162.62	
			<i>For Class 54 Rating, Add</i>	110.88	
			<i>For Class 55 Rating, Add</i>	246.45	
40 05 19 00-0672	EA		8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,864.37	231.51
			<i>For Class 52 Rating, Deduct</i>	-166.50	
			<i>For Class 54 Rating, Add</i>	113.52	
			<i>For Class 55 Rating, Add</i>	252.32	
40 05 19 00-0673	EA		8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,902.32	233.32
			<i>For Class 52 Rating, Deduct</i>	-170.37	
			<i>For Class 54 Rating, Add</i>	116.16	
			<i>For Class 55 Rating, Add</i>	258.18	
40 05 19 00-0674	EA		8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,940.25	235.13
			<i>For Class 52 Rating, Deduct</i>	-174.24	
			<i>For Class 54 Rating, Add</i>	118.80	
			<i>For Class 55 Rating, Add</i>	264.05	
40 05 19 00-0675			10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0676	EA		10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	622.12	202.57
			<i>For Class 52 Rating, Deduct</i>	-34.67	
			<i>For Class 54 Rating, Add</i>	23.64	
			<i>For Class 55 Rating, Add</i>	52.54	
40 05 19 00-0677	EA		10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	671.27	204.38
			<i>For Class 52 Rating, Deduct</i>	-39.78	
			<i>For Class 54 Rating, Add</i>	27.12	
			<i>For Class 55 Rating, Add</i>	60.28	
40 05 19 00-0678	EA		10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	720.41	206.19
			<i>For Class 52 Rating, Deduct</i>	-44.88	
			<i>For Class 54 Rating, Add</i>	30.60	
			<i>For Class 55 Rating, Add</i>	68.01	
40 05 19 00-0679	EA		10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	769.55	208.00
			<i>For Class 52 Rating, Deduct</i>	-49.98	
			<i>For Class 54 Rating, Add</i>	34.08	
			<i>For Class 55 Rating, Add</i>	75.75	
40 05 19 00-0680	EA		10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	818.69	209.80
			<i>For Class 52 Rating, Deduct</i>	-55.09	
			<i>For Class 54 Rating, Add</i>	37.56	
			<i>For Class 55 Rating, Add</i>	83.48	
40 05 19 00-0681	EA		10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	867.83	211.62
			<i>For Class 52 Rating, Deduct</i>	-60.19	
			<i>For Class 54 Rating, Add</i>	41.04	
			<i>For Class 55 Rating, Add</i>	91.22	
40 05 19 00-0682	EA		10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	916.97	213.42
			<i>For Class 52 Rating, Deduct</i>	-65.30	
			<i>For Class 54 Rating, Add</i>	44.52	
			<i>For Class 55 Rating, Add</i>	98.95	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0683 EA 10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	966.11	215.23
For Class 52 Rating, Deduct	-70.40	
For Class 54 Rating, Add	48.00	
For Class 55 Rating, Add	106.69	
40 05 19 00-0684 EA 10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,015.25	217.04
For Class 52 Rating, Deduct	-75.50	
For Class 54 Rating, Add	51.48	
For Class 55 Rating, Add	114.42	
40 05 19 00-0685 EA 10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,064.39	218.85
For Class 52 Rating, Deduct	-80.61	
For Class 54 Rating, Add	54.96	
For Class 55 Rating, Add	122.16	
40 05 19 00-0686 EA 10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,113.53	220.66
For Class 52 Rating, Deduct	-85.71	
For Class 54 Rating, Add	58.44	
For Class 55 Rating, Add	129.89	
40 05 19 00-0687 EA 10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,162.67	222.47
For Class 52 Rating, Deduct	-90.82	
For Class 54 Rating, Add	61.92	
For Class 55 Rating, Add	137.63	
40 05 19 00-0688 EA 10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,211.81	224.28
For Class 52 Rating, Deduct	-95.92	
For Class 54 Rating, Add	65.40	
For Class 55 Rating, Add	145.36	
40 05 19 00-0689 EA 10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,260.96	226.08
For Class 52 Rating, Deduct	-101.02	
For Class 54 Rating, Add	68.88	
For Class 55 Rating, Add	153.10	
40 05 19 00-0690 EA 10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,310.09	227.90
For Class 52 Rating, Deduct	-106.13	
For Class 54 Rating, Add	72.36	
For Class 55 Rating, Add	160.83	
40 05 19 00-0691 EA 10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,359.24	229.70
For Class 52 Rating, Deduct	-111.23	
For Class 54 Rating, Add	75.84	
For Class 55 Rating, Add	168.57	
40 05 19 00-0692 EA 10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,408.37	231.51
For Class 52 Rating, Deduct	-116.34	
For Class 54 Rating, Add	79.32	
For Class 55 Rating, Add	176.30	
40 05 19 00-0693 EA 10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,457.52	233.32
For Class 52 Rating, Deduct	-121.44	
For Class 54 Rating, Add	82.80	
For Class 55 Rating, Add	184.04	
40 05 19 00-0694 EA 10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,506.65	235.13
For Class 52 Rating, Deduct	-126.54	
For Class 54 Rating, Add	86.28	
For Class 55 Rating, Add	191.77	
40 05 19 00-0695 EA 10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,555.80	236.93
For Class 52 Rating, Deduct	-131.65	
For Class 54 Rating, Add	89.76	
For Class 55 Rating, Add	199.51	
40 05 19 00-0696 EA 10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,604.93	238.75
For Class 52 Rating, Deduct	-136.75	
For Class 54 Rating, Add	93.24	
For Class 55 Rating, Add	207.24	
40 05 19 00-0697 EA 10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,654.08	240.56
For Class 52 Rating, Deduct	-141.86	
For Class 54 Rating, Add	96.72	
For Class 55 Rating, Add	214.98	
40 05 19 00-0698 EA 10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,703.22	242.36
For Class 52 Rating, Deduct	-146.96	
For Class 54 Rating, Add	100.20	
For Class 55 Rating, Add	222.71	
40 05 19 00-0699 EA 10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,752.36	244.17
For Class 52 Rating, Deduct	-152.06	
For Class 54 Rating, Add	103.68	
For Class 55 Rating, Add	230.45	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0700	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,801.50	245.98
		<i>For Class 52 Rating, Deduct</i>	-157.17	
		<i>For Class 54 Rating, Add</i>	107.16	
		<i>For Class 55 Rating, Add</i>	238.18	
40 05 19 00-0701	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,850.64	247.79
		<i>For Class 52 Rating, Deduct</i>	-162.27	
		<i>For Class 54 Rating, Add</i>	110.64	
		<i>For Class 55 Rating, Add</i>	245.92	
40 05 19 00-0702	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,899.78	249.59
		<i>For Class 52 Rating, Deduct</i>	-167.38	
		<i>For Class 54 Rating, Add</i>	114.12	
		<i>For Class 55 Rating, Add</i>	253.65	
40 05 19 00-0703	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,948.92	251.41
		<i>For Class 52 Rating, Deduct</i>	-172.48	
		<i>For Class 54 Rating, Add</i>	117.60	
		<i>For Class 55 Rating, Add</i>	261.39	
40 05 19 00-0704	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,998.06	253.21
		<i>For Class 52 Rating, Deduct</i>	-177.58	
		<i>For Class 54 Rating, Add</i>	121.08	
		<i>For Class 55 Rating, Add</i>	269.12	
40 05 19 00-0705	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,047.20	255.02
		<i>For Class 52 Rating, Deduct</i>	-182.69	
		<i>For Class 54 Rating, Add</i>	124.56	
		<i>For Class 55 Rating, Add</i>	276.86	
40 05 19 00-0706	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,096.34	256.83
		<i>For Class 52 Rating, Deduct</i>	-187.79	
		<i>For Class 54 Rating, Add</i>	128.04	
		<i>For Class 55 Rating, Add</i>	284.59	
40 05 19 00-0707	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,145.48	258.64
		<i>For Class 52 Rating, Deduct</i>	-192.90	
		<i>For Class 54 Rating, Add</i>	131.52	
		<i>For Class 55 Rating, Add</i>	292.33	
40 05 19 00-0708	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,194.62	260.45
		<i>For Class 52 Rating, Deduct</i>	-198.00	
		<i>For Class 54 Rating, Add</i>	135.00	
		<i>For Class 55 Rating, Add</i>	300.06	
40 05 19 00-0709	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,243.77	262.26
		<i>For Class 52 Rating, Deduct</i>	-203.10	
		<i>For Class 54 Rating, Add</i>	138.48	
		<i>For Class 55 Rating, Add</i>	307.79	
40 05 19 00-0710	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,292.90	264.07
		<i>For Class 52 Rating, Deduct</i>	-208.21	
		<i>For Class 54 Rating, Add</i>	141.96	
		<i>For Class 55 Rating, Add</i>	315.53	
40 05 19 00-0711	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,342.05	265.87
		<i>For Class 52 Rating, Deduct</i>	-213.31	
		<i>For Class 54 Rating, Add</i>	145.44	
		<i>For Class 55 Rating, Add</i>	323.26	
40 05 19 00-0712	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,391.18	267.69
		<i>For Class 52 Rating, Deduct</i>	-218.42	
		<i>For Class 54 Rating, Add</i>	148.92	
		<i>For Class 55 Rating, Add</i>	331.00	
40 05 19 00-0713	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,440.33	269.49
		<i>For Class 52 Rating, Deduct</i>	-223.52	
		<i>For Class 54 Rating, Add</i>	152.40	
		<i>For Class 55 Rating, Add</i>	338.73	
40 05 19 00-0714	EA	10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,489.46	271.30
		<i>For Class 52 Rating, Deduct</i>	-228.62	
		<i>For Class 54 Rating, Add</i>	155.88	
		<i>For Class 55 Rating, Add</i>	346.47	
40 05 19 00-0715		12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
		<small>(40 05 19 00-0554)</small>		
40 05 19 00-0716	EA	12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	801.26	253.21
		<i>For Class 52 Rating, Deduct</i>	-45.94	
		<i>For Class 54 Rating, Add</i>	31.32	
		<i>For Class 55 Rating, Add</i>	69.61	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0717 EA 12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	862.40	255.02
<i>For Class 52 Rating, Deduct</i>	-52.36	
<i>For Class 54 Rating, Add</i>	35.70	
<i>For Class 55 Rating, Add</i>	79.35	
40 05 19 00-0718 EA 12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	923.54	256.83
<i>For Class 52 Rating, Deduct</i>	-58.78	
<i>For Class 54 Rating, Add</i>	40.08	
<i>For Class 55 Rating, Add</i>	89.08	
40 05 19 00-0719 EA 12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	984.68	258.64
<i>For Class 52 Rating, Deduct</i>	-65.21	
<i>For Class 54 Rating, Add</i>	44.46	
<i>For Class 55 Rating, Add</i>	98.82	
40 05 19 00-0720 EA 12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,045.82	260.45
<i>For Class 52 Rating, Deduct</i>	-71.63	
<i>For Class 54 Rating, Add</i>	48.84	
<i>For Class 55 Rating, Add</i>	108.56	
40 05 19 00-0721 EA 12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,106.97	262.26
<i>For Class 52 Rating, Deduct</i>	-78.06	
<i>For Class 54 Rating, Add</i>	53.22	
<i>For Class 55 Rating, Add</i>	118.29	
40 05 19 00-0722 EA 12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,168.10	264.07
<i>For Class 52 Rating, Deduct</i>	-84.48	
<i>For Class 54 Rating, Add</i>	57.60	
<i>For Class 55 Rating, Add</i>	128.03	
40 05 19 00-0723 EA 12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,229.25	265.87
<i>For Class 52 Rating, Deduct</i>	-90.90	
<i>For Class 54 Rating, Add</i>	61.98	
<i>For Class 55 Rating, Add</i>	137.76	
40 05 19 00-0724 EA 12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,290.38	267.69
<i>For Class 52 Rating, Deduct</i>	-97.33	
<i>For Class 54 Rating, Add</i>	66.36	
<i>For Class 55 Rating, Add</i>	147.50	
40 05 19 00-0725 EA 12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,351.53	269.49
<i>For Class 52 Rating, Deduct</i>	-103.75	
<i>For Class 54 Rating, Add</i>	70.74	
<i>For Class 55 Rating, Add</i>	157.23	
40 05 19 00-0726 EA 12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,412.66	271.30
<i>For Class 52 Rating, Deduct</i>	-110.18	
<i>For Class 54 Rating, Add</i>	75.12	
<i>For Class 55 Rating, Add</i>	166.97	
40 05 19 00-0727 EA 12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,473.81	273.11
<i>For Class 52 Rating, Deduct</i>	-116.60	
<i>For Class 54 Rating, Add</i>	79.50	
<i>For Class 55 Rating, Add</i>	176.70	
40 05 19 00-0728 EA 12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,534.94	274.92
<i>For Class 52 Rating, Deduct</i>	-123.02	
<i>For Class 54 Rating, Add</i>	83.88	
<i>For Class 55 Rating, Add</i>	186.44	
40 05 19 00-0729 EA 12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,596.08	276.72
<i>For Class 52 Rating, Deduct</i>	-129.45	
<i>For Class 54 Rating, Add</i>	88.26	
<i>For Class 55 Rating, Add</i>	196.17	
40 05 19 00-0730 EA 12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,657.22	278.54
<i>For Class 52 Rating, Deduct</i>	-135.87	
<i>For Class 54 Rating, Add</i>	92.64	
<i>For Class 55 Rating, Add</i>	205.91	
40 05 19 00-0731 EA 12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,718.36	280.35
<i>For Class 52 Rating, Deduct</i>	-142.30	
<i>For Class 54 Rating, Add</i>	97.02	
<i>For Class 55 Rating, Add</i>	215.64	
40 05 19 00-0732 EA 12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,779.51	282.15
<i>For Class 52 Rating, Deduct</i>	-148.72	
<i>For Class 54 Rating, Add</i>	101.40	
<i>For Class 55 Rating, Add</i>	225.38	
40 05 19 00-0733 EA 12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,840.64	283.97
<i>For Class 52 Rating, Deduct</i>	-155.14	
<i>For Class 54 Rating, Add</i>	105.78	
<i>For Class 55 Rating, Add</i>	235.11	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0734	EA		12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,901.79	285.77
			For Class 52 Rating, Deduct	-161.57	
			For Class 54 Rating, Add	110.16	
			For Class 55 Rating, Add	244.85	
40 05 19 00-0735	EA		12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,962.92	287.58
			For Class 52 Rating, Deduct	-167.99	
			For Class 54 Rating, Add	114.54	
			For Class 55 Rating, Add	254.58	
40 05 19 00-0736	EA		12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,024.07	289.39
			For Class 52 Rating, Deduct	-174.42	
			For Class 54 Rating, Add	118.92	
			For Class 55 Rating, Add	264.32	
40 05 19 00-0737	EA		12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,085.20	291.20
			For Class 52 Rating, Deduct	-180.84	
			For Class 54 Rating, Add	123.30	
			For Class 55 Rating, Add	274.05	
40 05 19 00-0738	EA		12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,146.35	293.00
			For Class 52 Rating, Deduct	-187.26	
			For Class 54 Rating, Add	127.68	
			For Class 55 Rating, Add	283.79	
40 05 19 00-0739	EA		12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,207.48	294.82
			For Class 52 Rating, Deduct	-193.69	
			For Class 54 Rating, Add	132.06	
			For Class 55 Rating, Add	293.53	
40 05 19 00-0740	EA		12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,268.63	296.62
			For Class 52 Rating, Deduct	-200.11	
			For Class 54 Rating, Add	136.44	
			For Class 55 Rating, Add	303.26	
40 05 19 00-0741	EA		12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,329.77	298.43
			For Class 52 Rating, Deduct	-206.54	
			For Class 54 Rating, Add	140.82	
			For Class 55 Rating, Add	313.00	
40 05 19 00-0742	EA		12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,390.91	300.24
			For Class 52 Rating, Deduct	-212.96	
			For Class 54 Rating, Add	145.20	
			For Class 55 Rating, Add	322.73	
40 05 19 00-0743	EA		12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,452.05	302.05
			For Class 52 Rating, Deduct	-219.38	
			For Class 54 Rating, Add	149.58	
			For Class 55 Rating, Add	332.47	
40 05 19 00-0744	EA		12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,513.19	303.86
			For Class 52 Rating, Deduct	-225.81	
			For Class 54 Rating, Add	153.96	
			For Class 55 Rating, Add	342.20	
40 05 19 00-0745	EA		12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,574.33	305.66
			For Class 52 Rating, Deduct	-232.23	
			For Class 54 Rating, Add	158.34	
			For Class 55 Rating, Add	351.94	
40 05 19 00-0746	EA		12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,635.47	307.48
			For Class 52 Rating, Deduct	-238.66	
			For Class 54 Rating, Add	162.72	
			For Class 55 Rating, Add	361.67	
40 05 19 00-0747	EA		12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,696.61	309.28
			For Class 52 Rating, Deduct	-245.08	
			For Class 54 Rating, Add	167.10	
			For Class 55 Rating, Add	371.41	
40 05 19 00-0748	EA		12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,757.75	311.09
			For Class 52 Rating, Deduct	-251.50	
			For Class 54 Rating, Add	171.48	
			For Class 55 Rating, Add	381.14	
40 05 19 00-0749	EA		12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,818.89	312.90
			For Class 52 Rating, Deduct	-257.93	
			For Class 54 Rating, Add	175.86	
			For Class 55 Rating, Add	390.88	
40 05 19 00-0750	EA		12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,880.03	314.71
			For Class 52 Rating, Deduct	-264.35	
			For Class 54 Rating, Add	180.24	
			For Class 55 Rating, Add	400.61	



Process Interconnections	40
Common Work Results For Process Interconnections	40 05
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0751 EA 12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,941.17	316.51
<i>For Class 52 Rating, Deduct</i>	-270.78	
<i>For Class 54 Rating, Add</i>	184.62	
<i>For Class 55 Rating, Add</i>	410.35	
40 05 19 00-0752 EA 12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,002.32	318.33
<i>For Class 52 Rating, Deduct</i>	-277.20	
<i>For Class 54 Rating, Add</i>	189.00	
<i>For Class 55 Rating, Add</i>	420.08	
40 05 19 00-0753 EA 12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,063.45	320.14
<i>For Class 52 Rating, Deduct</i>	-283.62	
<i>For Class 54 Rating, Add</i>	193.38	
<i>For Class 55 Rating, Add</i>	429.82	
40 05 19 00-0754 EA 12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,124.60	321.94
<i>For Class 52 Rating, Deduct</i>	-290.05	
<i>For Class 54 Rating, Add</i>	197.76	
<i>For Class 55 Rating, Add</i>	439.55	
40 05 19 00-0755 14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-054)</small>		
40 05 19 00-0756 EA 14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,084.39	303.86
<i>For Class 52 Rating, Deduct</i>	-68.64	
<i>For Class 54 Rating, Add</i>	46.80	
<i>For Class 55 Rating, Add</i>	104.02	
40 05 19 00-0757 EA 14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,158.33	305.66
<i>For Class 52 Rating, Deduct</i>	-76.47	
<i>For Class 54 Rating, Add</i>	52.14	
<i>For Class 55 Rating, Add</i>	115.89	
40 05 19 00-0758 EA 14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,232.27	307.48
<i>For Class 52 Rating, Deduct</i>	-84.30	
<i>For Class 54 Rating, Add</i>	57.48	
<i>For Class 55 Rating, Add</i>	127.76	
40 05 19 00-0759 EA 14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,306.21	309.28
<i>For Class 52 Rating, Deduct</i>	-92.14	
<i>For Class 54 Rating, Add</i>	62.82	
<i>For Class 55 Rating, Add</i>	139.63	
40 05 19 00-0760 EA 14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,380.15	311.09
<i>For Class 52 Rating, Deduct</i>	-99.97	
<i>For Class 54 Rating, Add</i>	68.16	
<i>For Class 55 Rating, Add</i>	151.50	
40 05 19 00-0761 EA 14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,454.09	312.90
<i>For Class 52 Rating, Deduct</i>	-107.80	
<i>For Class 54 Rating, Add</i>	73.50	
<i>For Class 55 Rating, Add</i>	163.37	
40 05 19 00-0762 EA 14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,528.03	314.71
<i>For Class 52 Rating, Deduct</i>	-115.63	
<i>For Class 54 Rating, Add</i>	78.84	
<i>For Class 55 Rating, Add</i>	175.24	
40 05 19 00-0763 EA 14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,601.97	316.51
<i>For Class 52 Rating, Deduct</i>	-123.46	
<i>For Class 54 Rating, Add</i>	84.18	
<i>For Class 55 Rating, Add</i>	187.10	
40 05 19 00-0764 EA 14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,675.92	318.33
<i>For Class 52 Rating, Deduct</i>	-131.30	
<i>For Class 54 Rating, Add</i>	89.52	
<i>For Class 55 Rating, Add</i>	198.97	
40 05 19 00-0765 EA 14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,749.85	320.14
<i>For Class 52 Rating, Deduct</i>	-139.13	
<i>For Class 54 Rating, Add</i>	94.86	
<i>For Class 55 Rating, Add</i>	210.84	
40 05 19 00-0766 EA 14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,823.80	321.94
<i>For Class 52 Rating, Deduct</i>	-146.96	
<i>For Class 54 Rating, Add</i>	100.20	
<i>For Class 55 Rating, Add</i>	222.71	
40 05 19 00-0767 EA 14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,897.73	323.76
<i>For Class 52 Rating, Deduct</i>	-154.79	
<i>For Class 54 Rating, Add</i>	105.54	
<i>For Class 55 Rating, Add</i>	234.58	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0768	EA		14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,971.68	325.56
			For Class 52 Rating, Deduct	-162.62	
			For Class 54 Rating, Add	110.88	
			For Class 55 Rating, Add	246.45	
40 05 19 00-0769	EA		14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,045.61	327.37
			For Class 52 Rating, Deduct	-170.46	
			For Class 54 Rating, Add	116.22	
			For Class 55 Rating, Add	258.32	
40 05 19 00-0770	EA		14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,119.56	329.18
			For Class 52 Rating, Deduct	-178.29	
			For Class 54 Rating, Add	121.56	
			For Class 55 Rating, Add	270.19	
40 05 19 00-0771	EA		14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,193.49	330.99
			For Class 52 Rating, Deduct	-186.12	
			For Class 54 Rating, Add	126.90	
			For Class 55 Rating, Add	282.06	
40 05 19 00-0772	EA		14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,267.44	332.79
			For Class 52 Rating, Deduct	-193.95	
			For Class 54 Rating, Add	132.24	
			For Class 55 Rating, Add	293.93	
40 05 19 00-0773	EA		14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,341.37	334.61
			For Class 52 Rating, Deduct	-201.78	
			For Class 54 Rating, Add	137.58	
			For Class 55 Rating, Add	305.79	
40 05 19 00-0774	EA		14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,415.32	336.41
			For Class 52 Rating, Deduct	-209.62	
			For Class 54 Rating, Add	142.92	
			For Class 55 Rating, Add	317.66	
40 05 19 00-0775	EA		14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,489.26	338.22
			For Class 52 Rating, Deduct	-217.45	
			For Class 54 Rating, Add	148.26	
			For Class 55 Rating, Add	329.53	
40 05 19 00-0776	EA		14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,563.20	340.04
			For Class 52 Rating, Deduct	-225.28	
			For Class 54 Rating, Add	153.60	
			For Class 55 Rating, Add	341.40	
40 05 19 00-0777	EA		14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,637.14	341.84
			For Class 52 Rating, Deduct	-233.11	
			For Class 54 Rating, Add	158.94	
			For Class 55 Rating, Add	353.27	
40 05 19 00-0778	EA		14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,711.08	343.65
			For Class 52 Rating, Deduct	-240.94	
			For Class 54 Rating, Add	164.28	
			For Class 55 Rating, Add	365.14	
40 05 19 00-0779	EA		14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,785.02	345.46
			For Class 52 Rating, Deduct	-248.78	
			For Class 54 Rating, Add	169.62	
			For Class 55 Rating, Add	377.01	
40 05 19 00-0780	EA		14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,858.96	347.27
			For Class 52 Rating, Deduct	-256.61	
			For Class 54 Rating, Add	174.96	
			For Class 55 Rating, Add	388.88	
40 05 19 00-0781	EA		14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,932.90	349.07
			For Class 52 Rating, Deduct	-264.44	
			For Class 54 Rating, Add	180.30	
			For Class 55 Rating, Add	400.75	
40 05 19 00-0782	EA		14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,006.84	350.88
			For Class 52 Rating, Deduct	-272.27	
			For Class 54 Rating, Add	185.64	
			For Class 55 Rating, Add	412.62	
40 05 19 00-0783	EA		14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,080.78	352.69
			For Class 52 Rating, Deduct	-280.10	
			For Class 54 Rating, Add	190.98	
			For Class 55 Rating, Add	424.48	
40 05 19 00-0784	EA		14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,154.73	354.50
			For Class 52 Rating, Deduct	-287.94	
			For Class 54 Rating, Add	196.32	
			For Class 55 Rating, Add	436.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0785 EA 14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,228.66	356.30
For Class 52 Rating, Deduct	-295.77	
For Class 54 Rating, Add	201.66	
For Class 55 Rating, Add	448.22	
40 05 19 00-0786 EA 14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,302.61	358.12
For Class 52 Rating, Deduct	-303.60	
For Class 54 Rating, Add	207.00	
For Class 55 Rating, Add	460.09	
40 05 19 00-0787 EA 14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,376.54	359.93
For Class 52 Rating, Deduct	-311.43	
For Class 54 Rating, Add	212.34	
For Class 55 Rating, Add	471.96	
40 05 19 00-0788 EA 14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,450.49	361.73
For Class 52 Rating, Deduct	-319.26	
For Class 54 Rating, Add	217.68	
For Class 55 Rating, Add	483.83	
40 05 19 00-0789 EA 14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,524.42	363.55
For Class 52 Rating, Deduct	-327.10	
For Class 54 Rating, Add	223.02	
For Class 55 Rating, Add	495.70	
40 05 19 00-0790 EA 14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,598.37	365.35
For Class 52 Rating, Deduct	-334.93	
For Class 54 Rating, Add	228.36	
For Class 55 Rating, Add	507.57	
40 05 19 00-0791 EA 14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,672.30	367.16
For Class 52 Rating, Deduct	-342.76	
For Class 54 Rating, Add	233.70	
For Class 55 Rating, Add	519.44	
40 05 19 00-0792 EA 14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,746.25	368.97
For Class 52 Rating, Deduct	-350.59	
For Class 54 Rating, Add	239.04	
For Class 55 Rating, Add	531.31	
40 05 19 00-0793 EA 14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,820.18	370.78
For Class 52 Rating, Deduct	-358.42	
For Class 54 Rating, Add	244.38	
For Class 55 Rating, Add	543.18	
40 05 19 00-0794 16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0795 EA 16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,264.56	347.27
For Class 52 Rating, Deduct	-81.22	
For Class 54 Rating, Add	55.38	
For Class 55 Rating, Add	123.09	
40 05 19 00-0796 EA 16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,350.50	349.07
For Class 52 Rating, Deduct	-90.38	
For Class 54 Rating, Add	61.62	
For Class 55 Rating, Add	136.96	
40 05 19 00-0797 EA 16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,436.44	350.88
For Class 52 Rating, Deduct	-99.53	
For Class 54 Rating, Add	67.86	
For Class 55 Rating, Add	150.83	
40 05 19 00-0798 EA 16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,522.38	352.69
For Class 52 Rating, Deduct	-108.68	
For Class 54 Rating, Add	74.10	
For Class 55 Rating, Add	164.70	
40 05 19 00-0799 EA 16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,608.33	354.50
For Class 52 Rating, Deduct	-117.83	
For Class 54 Rating, Add	80.34	
For Class 55 Rating, Add	178.57	
40 05 19 00-0800 EA 16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,694.26	356.30
For Class 52 Rating, Deduct	-126.98	
For Class 54 Rating, Add	86.58	
For Class 55 Rating, Add	192.44	
40 05 19 00-0801 EA 16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,780.21	358.12
For Class 52 Rating, Deduct	-136.14	
For Class 54 Rating, Add	92.82	
For Class 55 Rating, Add	206.31	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0802	EA		16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,866.14	359.93
			<i>For Class 52 Rating, Deduct</i>	-145.29	
			<i>For Class 54 Rating, Add</i>	99.06	
			<i>For Class 55 Rating, Add</i>	220.18	
40 05 19 00-0803	EA		16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,952.09	361.73
			<i>For Class 52 Rating, Deduct</i>	-154.44	
			<i>For Class 54 Rating, Add</i>	105.30	
			<i>For Class 55 Rating, Add</i>	234.05	
40 05 19 00-0804	EA		16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,030.02	363.55
			<i>For Class 52 Rating, Deduct</i>	-162.71	
			<i>For Class 54 Rating, Add</i>	110.94	
			<i>For Class 55 Rating, Add</i>	246.58	
40 05 19 00-0805	EA		16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,123.97	365.35
			<i>For Class 52 Rating, Deduct</i>	-172.74	
			<i>For Class 54 Rating, Add</i>	117.78	
			<i>For Class 55 Rating, Add</i>	261.79	
40 05 19 00-0806	EA		16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,209.90	367.16
			<i>For Class 52 Rating, Deduct</i>	-181.90	
			<i>For Class 54 Rating, Add</i>	124.02	
			<i>For Class 55 Rating, Add</i>	275.66	
40 05 19 00-0807	EA		16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,295.85	368.97
			<i>For Class 52 Rating, Deduct</i>	-191.05	
			<i>For Class 54 Rating, Add</i>	130.26	
			<i>For Class 55 Rating, Add</i>	289.52	
40 05 19 00-0808	EA		16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,381.78	370.78
			<i>For Class 52 Rating, Deduct</i>	-200.20	
			<i>For Class 54 Rating, Add</i>	136.50	
			<i>For Class 55 Rating, Add</i>	303.39	
40 05 19 00-0809	EA		16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,467.73	372.58
			<i>For Class 52 Rating, Deduct</i>	-209.35	
			<i>For Class 54 Rating, Add</i>	142.74	
			<i>For Class 55 Rating, Add</i>	317.26	
40 05 19 00-0810	EA		16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,553.67	374.40
			<i>For Class 52 Rating, Deduct</i>	-218.50	
			<i>For Class 54 Rating, Add</i>	148.98	
			<i>For Class 55 Rating, Add</i>	331.13	
40 05 19 00-0811	EA		16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,639.61	376.20
			<i>For Class 52 Rating, Deduct</i>	-227.66	
			<i>For Class 54 Rating, Add</i>	155.22	
			<i>For Class 55 Rating, Add</i>	345.00	
40 05 19 00-0812	EA		16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,725.55	378.01
			<i>For Class 52 Rating, Deduct</i>	-236.81	
			<i>For Class 54 Rating, Add</i>	161.46	
			<i>For Class 55 Rating, Add</i>	358.87	
40 05 19 00-0813	EA		16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,811.49	379.83
			<i>For Class 52 Rating, Deduct</i>	-245.96	
			<i>For Class 54 Rating, Add</i>	167.70	
			<i>For Class 55 Rating, Add</i>	372.74	
40 05 19 00-0814	EA		16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,897.43	381.63
			<i>For Class 52 Rating, Deduct</i>	-255.11	
			<i>For Class 54 Rating, Add</i>	173.94	
			<i>For Class 55 Rating, Add</i>	386.61	
40 05 19 00-0815	EA		16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,983.37	383.44
			<i>For Class 52 Rating, Deduct</i>	-264.26	
			<i>For Class 54 Rating, Add</i>	180.18	
			<i>For Class 55 Rating, Add</i>	400.48	
40 05 19 00-0816	EA		16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,069.31	385.25
			<i>For Class 52 Rating, Deduct</i>	-273.42	
			<i>For Class 54 Rating, Add</i>	186.42	
			<i>For Class 55 Rating, Add</i>	414.35	
40 05 19 00-0817	EA		16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,155.25	387.06
			<i>For Class 52 Rating, Deduct</i>	-282.57	
			<i>For Class 54 Rating, Add</i>	192.66	
			<i>For Class 55 Rating, Add</i>	428.22	
40 05 19 00-0818	EA		16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,241.19	388.86
			<i>For Class 52 Rating, Deduct</i>	-291.72	
			<i>For Class 54 Rating, Add</i>	198.90	
			<i>For Class 55 Rating, Add</i>	442.09	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0819 EA 16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,327.13	390.68
For Class 52 Rating, Deduct	-300.87	
For Class 54 Rating, Add	205.14	
For Class 55 Rating, Add	455.96	
40 05 19 00-0820 EA 16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,413.07	392.48
For Class 52 Rating, Deduct	-310.02	
For Class 54 Rating, Add	211.38	
For Class 55 Rating, Add	469.83	
40 05 19 00-0821 EA 16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,499.02	394.29
For Class 52 Rating, Deduct	-319.18	
For Class 54 Rating, Add	217.62	
For Class 55 Rating, Add	483.70	
40 05 19 00-0822 EA 16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,584.95	396.10
For Class 52 Rating, Deduct	-328.33	
For Class 54 Rating, Add	223.86	
For Class 55 Rating, Add	497.57	
40 05 19 00-0823 EA 16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,670.90	397.91
For Class 52 Rating, Deduct	-337.48	
For Class 54 Rating, Add	230.10	
For Class 55 Rating, Add	511.44	
40 05 19 00-0824 EA 16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,756.83	399.72
For Class 52 Rating, Deduct	-346.63	
For Class 54 Rating, Add	236.34	
For Class 55 Rating, Add	525.31	
40 05 19 00-0825 EA 16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,842.78	401.53
For Class 52 Rating, Deduct	-355.78	
For Class 54 Rating, Add	242.58	
For Class 55 Rating, Add	539.17	
40 05 19 00-0826 EA 16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,928.71	403.34
For Class 52 Rating, Deduct	-364.94	
For Class 54 Rating, Add	248.82	
For Class 55 Rating, Add	553.04	
40 05 19 00-0827 EA 16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,014.66	405.14
For Class 52 Rating, Deduct	-374.09	
For Class 54 Rating, Add	255.06	
For Class 55 Rating, Add	566.91	
40 05 19 00-0828 EA 16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,100.59	406.95
For Class 52 Rating, Deduct	-383.24	
For Class 54 Rating, Add	261.30	
For Class 55 Rating, Add	580.78	
40 05 19 00-0829 EA 16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,186.54	408.76
For Class 52 Rating, Deduct	-392.39	
For Class 54 Rating, Add	267.54	
For Class 55 Rating, Add	594.65	
40 05 19 00-0830 EA 16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,272.48	410.57
For Class 52 Rating, Deduct	-401.54	
For Class 54 Rating, Add	273.78	
For Class 55 Rating, Add	608.52	
40 05 19 00-0831 EA 16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,358.41	412.37
For Class 52 Rating, Deduct	-410.70	
For Class 54 Rating, Add	280.02	
For Class 55 Rating, Add	622.39	
40 05 19 00-0832 EA 16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,444.36	414.19
For Class 52 Rating, Deduct	-419.85	
For Class 54 Rating, Add	286.26	
For Class 55 Rating, Add	636.26	
40 05 19 00-0833 18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0834 EA 18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,469.03	391.40
For Class 52 Rating, Deduct	-96.36	
For Class 54 Rating, Add	65.70	
For Class 55 Rating, Add	146.03	
40 05 19 00-0835 EA 18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,567.77	393.21
For Class 52 Rating, Deduct	-106.92	
For Class 54 Rating, Add	72.90	
For Class 55 Rating, Add	162.03	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0836	EA		18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,666.51	395.02
			<i>For Class 52 Rating, Deduct</i>	-117.48	
			<i>For Class 54 Rating, Add</i>	80.10	
			<i>For Class 55 Rating, Add</i>	178.04	
40 05 19 00-0837	EA		18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,765.25	396.83
			<i>For Class 52 Rating, Deduct</i>	-128.04	
			<i>For Class 54 Rating, Add</i>	87.30	
			<i>For Class 55 Rating, Add</i>	194.04	
40 05 19 00-0838	EA		18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,863.99	398.64
			<i>For Class 52 Rating, Deduct</i>	-138.60	
			<i>For Class 54 Rating, Add</i>	94.50	
			<i>For Class 55 Rating, Add</i>	210.04	
40 05 19 00-0839	EA		18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,962.73	400.44
			<i>For Class 52 Rating, Deduct</i>	-149.16	
			<i>For Class 54 Rating, Add</i>	101.70	
			<i>For Class 55 Rating, Add</i>	226.05	
40 05 19 00-0840	EA		18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,061.47	402.25
			<i>For Class 52 Rating, Deduct</i>	-159.72	
			<i>For Class 54 Rating, Add</i>	108.90	
			<i>For Class 55 Rating, Add</i>	242.05	
40 05 19 00-0841	EA		18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,160.21	404.06
			<i>For Class 52 Rating, Deduct</i>	-170.28	
			<i>For Class 54 Rating, Add</i>	116.10	
			<i>For Class 55 Rating, Add</i>	258.05	
40 05 19 00-0842	EA		18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,258.96	405.87
			<i>For Class 52 Rating, Deduct</i>	-180.84	
			<i>For Class 54 Rating, Add</i>	123.30	
			<i>For Class 55 Rating, Add</i>	274.05	
40 05 19 00-0843	EA		18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,357.69	407.67
			<i>For Class 52 Rating, Deduct</i>	-191.40	
			<i>For Class 54 Rating, Add</i>	130.50	
			<i>For Class 55 Rating, Add</i>	290.06	
40 05 19 00-0844	EA		18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,456.43	409.49
			<i>For Class 52 Rating, Deduct</i>	-201.96	
			<i>For Class 54 Rating, Add</i>	137.70	
			<i>For Class 55 Rating, Add</i>	306.06	
40 05 19 00-0845	EA		18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,555.17	411.30
			<i>For Class 52 Rating, Deduct</i>	-212.52	
			<i>For Class 54 Rating, Add</i>	144.90	
			<i>For Class 55 Rating, Add</i>	322.06	
40 05 19 00-0846	EA		18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,653.91	413.10
			<i>For Class 52 Rating, Deduct</i>	-223.08	
			<i>For Class 54 Rating, Add</i>	152.10	
			<i>For Class 55 Rating, Add</i>	338.07	
40 05 19 00-0847	EA		18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,752.65	414.92
			<i>For Class 52 Rating, Deduct</i>	-233.64	
			<i>For Class 54 Rating, Add</i>	159.30	
			<i>For Class 55 Rating, Add</i>	354.07	
40 05 19 00-0848	EA		18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,851.39	416.72
			<i>For Class 52 Rating, Deduct</i>	-244.20	
			<i>For Class 54 Rating, Add</i>	166.50	
			<i>For Class 55 Rating, Add</i>	370.07	
40 05 19 00-0849	EA		18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,950.13	418.53
			<i>For Class 52 Rating, Deduct</i>	-254.76	
			<i>For Class 54 Rating, Add</i>	173.70	
			<i>For Class 55 Rating, Add</i>	386.08	
40 05 19 00-0850	EA		18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,048.87	420.34
			<i>For Class 52 Rating, Deduct</i>	-265.32	
			<i>For Class 54 Rating, Add</i>	180.90	
			<i>For Class 55 Rating, Add</i>	402.08	
40 05 19 00-0851	EA		18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,147.61	422.15
			<i>For Class 52 Rating, Deduct</i>	-275.88	
			<i>For Class 54 Rating, Add</i>	188.10	
			<i>For Class 55 Rating, Add</i>	418.08	
40 05 19 00-0852	EA		18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,246.35	423.95
			<i>For Class 52 Rating, Deduct</i>	-286.44	
			<i>For Class 54 Rating, Add</i>	195.30	
			<i>For Class 55 Rating, Add</i>	434.09	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0853 EA 18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,345.10	425.77
<i>For Class 52 Rating, Deduct</i>	-297.00	
<i>For Class 54 Rating, Add</i>	202.50	
<i>For Class 55 Rating, Add</i>	450.09	
40 05 19 00-0854 EA 18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,443.83	427.57
<i>For Class 52 Rating, Deduct</i>	-307.56	
<i>For Class 54 Rating, Add</i>	209.70	
<i>For Class 55 Rating, Add</i>	466.09	
40 05 19 00-0855 EA 18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,542.58	429.38
<i>For Class 52 Rating, Deduct</i>	-318.12	
<i>For Class 54 Rating, Add</i>	216.90	
<i>For Class 55 Rating, Add</i>	482.10	
40 05 19 00-0856 EA 18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,641.31	431.19
<i>For Class 52 Rating, Deduct</i>	-328.68	
<i>For Class 54 Rating, Add</i>	224.10	
<i>For Class 55 Rating, Add</i>	498.10	
40 05 19 00-0857 EA 18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,740.06	433.00
<i>For Class 52 Rating, Deduct</i>	-339.24	
<i>For Class 54 Rating, Add</i>	231.30	
<i>For Class 55 Rating, Add</i>	514.10	
40 05 19 00-0858 EA 18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,838.79	434.81
<i>For Class 52 Rating, Deduct</i>	-349.80	
<i>For Class 54 Rating, Add</i>	238.50	
<i>For Class 55 Rating, Add</i>	530.11	
40 05 19 00-0859 EA 18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,937.54	436.62
<i>For Class 52 Rating, Deduct</i>	-360.36	
<i>For Class 54 Rating, Add</i>	245.70	
<i>For Class 55 Rating, Add</i>	546.11	
40 05 19 00-0860 EA 18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,036.27	438.43
<i>For Class 52 Rating, Deduct</i>	-370.92	
<i>For Class 54 Rating, Add</i>	252.90	
<i>For Class 55 Rating, Add</i>	562.11	
40 05 19 00-0861 EA 18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,135.02	440.23
<i>For Class 52 Rating, Deduct</i>	-381.48	
<i>For Class 54 Rating, Add</i>	260.10	
<i>For Class 55 Rating, Add</i>	578.12	
40 05 19 00-0862 EA 18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,233.75	442.05
<i>For Class 52 Rating, Deduct</i>	-392.04	
<i>For Class 54 Rating, Add</i>	267.30	
<i>For Class 55 Rating, Add</i>	594.12	
40 05 19 00-0863 EA 18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,332.50	443.85
<i>For Class 52 Rating, Deduct</i>	-402.60	
<i>For Class 54 Rating, Add</i>	274.50	
<i>For Class 55 Rating, Add</i>	610.12	
40 05 19 00-0864 EA 18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,431.24	445.66
<i>For Class 52 Rating, Deduct</i>	-413.16	
<i>For Class 54 Rating, Add</i>	281.70	
<i>For Class 55 Rating, Add</i>	626.13	
40 05 19 00-0865 EA 18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,529.98	447.47
<i>For Class 52 Rating, Deduct</i>	-423.72	
<i>For Class 54 Rating, Add</i>	288.90	
<i>For Class 55 Rating, Add</i>	642.13	
40 05 19 00-0866 EA 18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,628.72	449.28
<i>For Class 52 Rating, Deduct</i>	-434.28	
<i>For Class 54 Rating, Add</i>	296.10	
<i>For Class 55 Rating, Add</i>	658.13	
40 05 19 00-0867 EA 18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,727.46	451.09
<i>For Class 52 Rating, Deduct</i>	-444.84	
<i>For Class 54 Rating, Add</i>	303.30	
<i>For Class 55 Rating, Add</i>	674.13	
40 05 19 00-0868 EA 18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,826.20	452.89
<i>For Class 52 Rating, Deduct</i>	-455.40	
<i>For Class 54 Rating, Add</i>	310.50	
<i>For Class 55 Rating, Add</i>	690.14	
40 05 19 00-0869 EA 18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,924.94	454.71
<i>For Class 52 Rating, Deduct</i>	-465.96	
<i>For Class 54 Rating, Add</i>	317.70	
<i>For Class 55 Rating, Add</i>	706.14	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0870	EA		18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,023.68	456.51
			For Class 52 Rating, Deduct	-476.52	
			For Class 54 Rating, Add	324.90	
			For Class 55 Rating, Add	722.14	
40 05 19 00-0871	EA		18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,122.42	458.32
			For Class 52 Rating, Deduct	-487.08	
			For Class 54 Rating, Add	332.10	
			For Class 55 Rating, Add	738.15	
40 05 19 00-0872			20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0854)</small>		
40 05 19 00-0873	EA		20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,700.09	446.75
			For Class 52 Rating, Deduct	-112.55	
			For Class 54 Rating, Add	76.74	
			For Class 55 Rating, Add	170.57	
40 05 19 00-0874	EA		20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,813.22	448.55
			For Class 52 Rating, Deduct	-124.70	
			For Class 54 Rating, Add	85.02	
			For Class 55 Rating, Add	188.97	
40 05 19 00-0875	EA		20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,926.37	450.36
			For Class 52 Rating, Deduct	-136.84	
			For Class 54 Rating, Add	93.30	
			For Class 55 Rating, Add	207.37	
40 05 19 00-0876	EA		20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,039.50	452.17
			For Class 52 Rating, Deduct	-148.98	
			For Class 54 Rating, Add	101.58	
			For Class 55 Rating, Add	225.78	
40 05 19 00-0877	EA		20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,152.65	453.98
			For Class 52 Rating, Deduct	-161.13	
			For Class 54 Rating, Add	109.86	
			For Class 55 Rating, Add	244.18	
40 05 19 00-0878	EA		20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,265.78	455.79
			For Class 52 Rating, Deduct	-173.27	
			For Class 54 Rating, Add	118.14	
			For Class 55 Rating, Add	262.59	
40 05 19 00-0879	EA		20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,378.93	457.59
			For Class 52 Rating, Deduct	-185.42	
			For Class 54 Rating, Add	126.42	
			For Class 55 Rating, Add	280.99	
40 05 19 00-0880	EA		20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,492.06	459.41
			For Class 52 Rating, Deduct	-197.56	
			For Class 54 Rating, Add	134.70	
			For Class 55 Rating, Add	299.39	
40 05 19 00-0881	EA		20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,605.21	461.21
			For Class 52 Rating, Deduct	-209.70	
			For Class 54 Rating, Add	142.98	
			For Class 55 Rating, Add	317.80	
40 05 19 00-0882	EA		20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,718.34	463.02
			For Class 52 Rating, Deduct	-221.85	
			For Class 54 Rating, Add	151.26	
			For Class 55 Rating, Add	336.20	
40 05 19 00-0883	EA		20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,831.49	464.83
			For Class 52 Rating, Deduct	-233.99	
			For Class 54 Rating, Add	159.54	
			For Class 55 Rating, Add	354.60	
40 05 19 00-0884	EA		20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,944.63	466.64
			For Class 52 Rating, Deduct	-246.14	
			For Class 54 Rating, Add	167.82	
			For Class 55 Rating, Add	373.01	
40 05 19 00-0885	EA		20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,057.77	468.44
			For Class 52 Rating, Deduct	-258.28	
			For Class 54 Rating, Add	176.10	
			For Class 55 Rating, Add	391.41	
40 05 19 00-0886	EA		20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,170.91	470.26
			For Class 52 Rating, Deduct	-270.42	
			For Class 54 Rating, Add	184.38	
			For Class 55 Rating, Add	409.82	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0887 EA 20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,284.05	472.06
<i>For Class 52 Rating, Deduct</i>	-282.57	
<i>For Class 54 Rating, Add</i>	192.66	
<i>For Class 55 Rating, Add</i>	428.22	
40 05 19 00-0888 EA 20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,397.19	473.87
<i>For Class 52 Rating, Deduct</i>	-294.71	
<i>For Class 54 Rating, Add</i>	200.94	
<i>For Class 55 Rating, Add</i>	446.62	
40 05 19 00-0889 EA 20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,510.33	475.68
<i>For Class 52 Rating, Deduct</i>	-306.86	
<i>For Class 54 Rating, Add</i>	209.22	
<i>For Class 55 Rating, Add</i>	465.03	
40 05 19 00-0890 EA 20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,623.47	477.49
<i>For Class 52 Rating, Deduct</i>	-319.00	
<i>For Class 54 Rating, Add</i>	217.50	
<i>For Class 55 Rating, Add</i>	483.43	
40 05 19 00-0891 EA 20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,736.61	479.30
<i>For Class 52 Rating, Deduct</i>	-331.14	
<i>For Class 54 Rating, Add</i>	225.78	
<i>For Class 55 Rating, Add</i>	501.83	
40 05 19 00-0892 EA 20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,849.75	481.11
<i>For Class 52 Rating, Deduct</i>	-343.29	
<i>For Class 54 Rating, Add</i>	234.06	
<i>For Class 55 Rating, Add</i>	520.24	
40 05 19 00-0893 EA 20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,962.89	482.92
<i>For Class 52 Rating, Deduct</i>	-355.43	
<i>For Class 54 Rating, Add</i>	242.34	
<i>For Class 55 Rating, Add</i>	538.64	
40 05 19 00-0894 EA 20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,076.03	484.72
<i>For Class 52 Rating, Deduct</i>	-367.58	
<i>For Class 54 Rating, Add</i>	250.62	
<i>For Class 55 Rating, Add</i>	557.04	
40 05 19 00-0895 EA 20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,189.18	486.54
<i>For Class 52 Rating, Deduct</i>	-379.72	
<i>For Class 54 Rating, Add</i>	258.90	
<i>For Class 55 Rating, Add</i>	575.45	
40 05 19 00-0896 EA 20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,302.31	488.34
<i>For Class 52 Rating, Deduct</i>	-391.86	
<i>For Class 54 Rating, Add</i>	267.18	
<i>For Class 55 Rating, Add</i>	593.85	
40 05 19 00-0897 EA 20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,415.46	490.15
<i>For Class 52 Rating, Deduct</i>	-404.01	
<i>For Class 54 Rating, Add</i>	275.46	
<i>For Class 55 Rating, Add</i>	612.26	
40 05 19 00-0898 EA 20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,528.59	491.96
<i>For Class 52 Rating, Deduct</i>	-416.15	
<i>For Class 54 Rating, Add</i>	283.74	
<i>For Class 55 Rating, Add</i>	630.66	
40 05 19 00-0899 EA 20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,641.74	493.77
<i>For Class 52 Rating, Deduct</i>	-428.30	
<i>For Class 54 Rating, Add</i>	292.02	
<i>For Class 55 Rating, Add</i>	649.06	
40 05 19 00-0900 EA 20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,754.87	495.58
<i>For Class 52 Rating, Deduct</i>	-440.44	
<i>For Class 54 Rating, Add</i>	300.30	
<i>For Class 55 Rating, Add</i>	667.47	
40 05 19 00-0901 EA 20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,868.02	497.39
<i>For Class 52 Rating, Deduct</i>	-452.58	
<i>For Class 54 Rating, Add</i>	308.58	
<i>For Class 55 Rating, Add</i>	685.87	
40 05 19 00-0902 EA 20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,981.15	499.20
<i>For Class 52 Rating, Deduct</i>	-464.73	
<i>For Class 54 Rating, Add</i>	316.86	
<i>For Class 55 Rating, Add</i>	704.27	
40 05 19 00-0903 EA 20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,094.30	501.00
<i>For Class 52 Rating, Deduct</i>	-476.87	
<i>For Class 54 Rating, Add</i>	325.14	
<i>For Class 55 Rating, Add</i>	722.68	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0904	EA		20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,207.43	502.82
			For Class 52 Rating, Deduct	-489.02	
			For Class 54 Rating, Add	333.42	
			For Class 55 Rating, Add	741.08	
40 05 19 00-0905	EA		20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,320.58	504.62
			For Class 52 Rating, Deduct	-501.16	
			For Class 54 Rating, Add	341.70	
			For Class 55 Rating, Add	759.49	
40 05 19 00-0906	EA		20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,433.72	506.43
			For Class 52 Rating, Deduct	-513.30	
			For Class 54 Rating, Add	349.98	
			For Class 55 Rating, Add	777.89	
40 05 19 00-0907	EA		20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,546.86	508.24
			For Class 52 Rating, Deduct	-525.45	
			For Class 54 Rating, Add	358.26	
			For Class 55 Rating, Add	796.29	
40 05 19 00-0908	EA		20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,660.00	510.05
			For Class 52 Rating, Deduct	-537.59	
			For Class 54 Rating, Add	366.54	
			For Class 55 Rating, Add	814.70	
40 05 19 00-0909	EA		20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,773.14	511.85
			For Class 52 Rating, Deduct	-549.74	
			For Class 54 Rating, Add	374.82	
			For Class 55 Rating, Add	833.10	
40 05 19 00-0910	EA		20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,886.28	513.66
			For Class 52 Rating, Deduct	-561.88	
			For Class 54 Rating, Add	383.10	
			For Class 55 Rating, Add	851.50	
40 05 19 00-0911			24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0912	EA		24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,093.00	528.13
			For Class 52 Rating, Deduct	-142.21	
			For Class 54 Rating, Add	96.96	
			For Class 55 Rating, Add	215.51	
40 05 19 00-0913	EA		24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,232.55	529.94
			For Class 52 Rating, Deduct	-157.26	
			For Class 54 Rating, Add	107.22	
			For Class 55 Rating, Add	238.31	
40 05 19 00-0914	EA		24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,372.08	531.75
			For Class 52 Rating, Deduct	-172.30	
			For Class 54 Rating, Add	117.48	
			For Class 55 Rating, Add	261.12	
40 05 19 00-0915	EA		24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,511.63	533.56
			For Class 52 Rating, Deduct	-187.35	
			For Class 54 Rating, Add	127.74	
			For Class 55 Rating, Add	283.92	
40 05 19 00-0916	EA		24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,651.16	535.37
			For Class 52 Rating, Deduct	-202.40	
			For Class 54 Rating, Add	138.00	
			For Class 55 Rating, Add	306.73	
40 05 19 00-0917	EA		24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,790.71	537.18
			For Class 52 Rating, Deduct	-217.45	
			For Class 54 Rating, Add	148.26	
			For Class 55 Rating, Add	329.53	
40 05 19 00-0918	EA		24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,930.24	538.99
			For Class 52 Rating, Deduct	-232.50	
			For Class 54 Rating, Add	158.52	
			For Class 55 Rating, Add	352.34	
40 05 19 00-0919	EA		24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,069.79	540.79
			For Class 52 Rating, Deduct	-247.54	
			For Class 54 Rating, Add	168.78	
			For Class 55 Rating, Add	375.14	
40 05 19 00-0920	EA		24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,209.33	542.61
			For Class 52 Rating, Deduct	-262.59	
			For Class 54 Rating, Add	179.04	
			For Class 55 Rating, Add	397.95	



Process Interconnections	40
Common Work Results For Process Interconnections	40 05
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0921 EA 24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,348.87	544.41
<i>For Class 52 Rating, Deduct</i>	-277.64	
<i>For Class 54 Rating, Add</i>	189.30	
<i>For Class 55 Rating, Add</i>	420.75	
40 05 19 00-0922 EA 24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,488.41	546.22
<i>For Class 52 Rating, Deduct</i>	-292.69	
<i>For Class 54 Rating, Add</i>	199.56	
<i>For Class 55 Rating, Add</i>	443.56	
40 05 19 00-0923 EA 24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,627.94	548.03
<i>For Class 52 Rating, Deduct</i>	-307.74	
<i>For Class 54 Rating, Add</i>	209.82	
<i>For Class 55 Rating, Add</i>	466.36	
40 05 19 00-0924 EA 24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,767.49	549.84
<i>For Class 52 Rating, Deduct</i>	-322.78	
<i>For Class 54 Rating, Add</i>	220.08	
<i>For Class 55 Rating, Add</i>	489.16	
40 05 19 00-0925 EA 24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,907.02	551.64
<i>For Class 52 Rating, Deduct</i>	-337.83	
<i>For Class 54 Rating, Add</i>	230.34	
<i>For Class 55 Rating, Add</i>	511.97	
40 05 19 00-0926 EA 24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,046.57	553.46
<i>For Class 52 Rating, Deduct</i>	-352.88	
<i>For Class 54 Rating, Add</i>	240.60	
<i>For Class 55 Rating, Add</i>	534.77	
40 05 19 00-0927 EA 24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,186.10	555.27
<i>For Class 52 Rating, Deduct</i>	-367.93	
<i>For Class 54 Rating, Add</i>	250.86	
<i>For Class 55 Rating, Add</i>	557.58	
40 05 19 00-0928 EA 24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,325.65	557.07
<i>For Class 52 Rating, Deduct</i>	-382.98	
<i>For Class 54 Rating, Add</i>	261.12	
<i>For Class 55 Rating, Add</i>	580.38	
40 05 19 00-0929 EA 24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,465.19	558.89
<i>For Class 52 Rating, Deduct</i>	-398.02	
<i>For Class 54 Rating, Add</i>	271.38	
<i>For Class 55 Rating, Add</i>	603.19	
40 05 19 00-0930 EA 24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,604.73	560.69
<i>For Class 52 Rating, Deduct</i>	-413.07	
<i>For Class 54 Rating, Add</i>	281.64	
<i>For Class 55 Rating, Add</i>	625.99	
40 05 19 00-0931 EA 24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,744.27	562.50
<i>For Class 52 Rating, Deduct</i>	-428.12	
<i>For Class 54 Rating, Add</i>	291.90	
<i>For Class 55 Rating, Add</i>	648.80	
40 05 19 00-0932 EA 24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,883.81	564.30
<i>For Class 52 Rating, Deduct</i>	-443.17	
<i>For Class 54 Rating, Add</i>	302.16	
<i>For Class 55 Rating, Add</i>	671.60	
40 05 19 00-0933 EA 24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,023.35	566.12
<i>For Class 52 Rating, Deduct</i>	-458.22	
<i>For Class 54 Rating, Add</i>	312.42	
<i>For Class 55 Rating, Add</i>	694.41	
40 05 19 00-0934 EA 24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,162.89	567.92
<i>For Class 52 Rating, Deduct</i>	-473.26	
<i>For Class 54 Rating, Add</i>	322.68	
<i>For Class 55 Rating, Add</i>	717.21	
40 05 19 00-0935 EA 24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,302.43	569.73
<i>For Class 52 Rating, Deduct</i>	-488.31	
<i>For Class 54 Rating, Add</i>	332.94	
<i>For Class 55 Rating, Add</i>	740.01	
40 05 19 00-0936 EA 24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,441.97	571.54
<i>For Class 52 Rating, Deduct</i>	-503.36	
<i>For Class 54 Rating, Add</i>	343.20	
<i>For Class 55 Rating, Add</i>	762.82	
40 05 19 00-0937 EA 24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,581.51	573.35
<i>For Class 52 Rating, Deduct</i>	-518.41	
<i>For Class 54 Rating, Add</i>	353.46	
<i>For Class 55 Rating, Add</i>	785.62	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0938	EA		24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,721.05	575.16
			<i>For Class 52 Rating, Deduct</i>	-533.46	
			<i>For Class 54 Rating, Add</i>	363.72	
			<i>For Class 55 Rating, Add</i>	808.43	
40 05 19 00-0939	EA		24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,860.59	576.97
			<i>For Class 52 Rating, Deduct</i>	-548.50	
			<i>For Class 54 Rating, Add</i>	373.98	
			<i>For Class 55 Rating, Add</i>	831.23	
40 05 19 00-0940	EA		24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,000.14	578.78
			<i>For Class 52 Rating, Deduct</i>	-563.55	
			<i>For Class 54 Rating, Add</i>	384.24	
			<i>For Class 55 Rating, Add</i>	854.04	
40 05 19 00-0941	EA		24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,186.26	611.33
			<i>For Class 52 Rating, Deduct</i>	-578.60	
			<i>For Class 54 Rating, Add</i>	394.50	
			<i>For Class 55 Rating, Add</i>	876.84	
40 05 19 00-0942	EA		24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,325.80	613.14
			<i>For Class 52 Rating, Deduct</i>	-593.65	
			<i>For Class 54 Rating, Add</i>	404.76	
			<i>For Class 55 Rating, Add</i>	899.65	
40 05 19 00-0943	EA		24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,465.35	614.96
			<i>For Class 52 Rating, Deduct</i>	-608.70	
			<i>For Class 54 Rating, Add</i>	415.02	
			<i>For Class 55 Rating, Add</i>	922.45	
40 05 19 00-0944	EA		24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,604.88	616.76
			<i>For Class 52 Rating, Deduct</i>	-623.74	
			<i>For Class 54 Rating, Add</i>	425.28	
			<i>For Class 55 Rating, Add</i>	945.26	
40 05 19 00-0945	EA		24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,744.43	618.57
			<i>For Class 52 Rating, Deduct</i>	-638.79	
			<i>For Class 54 Rating, Add</i>	435.54	
			<i>For Class 55 Rating, Add</i>	968.06	
40 05 19 00-0946	EA		24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,883.96	620.37
			<i>For Class 52 Rating, Deduct</i>	-653.84	
			<i>For Class 54 Rating, Add</i>	445.80	
			<i>For Class 55 Rating, Add</i>	990.86	
40 05 19 00-0947	EA		24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,023.51	622.19
			<i>For Class 52 Rating, Deduct</i>	-668.89	
			<i>For Class 54 Rating, Add</i>	456.06	
			<i>For Class 55 Rating, Add</i>	1,013.67	
40 05 19 00-0948	EA		24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,163.04	623.99
			<i>For Class 52 Rating, Deduct</i>	-683.94	
			<i>For Class 54 Rating, Add</i>	466.32	
			<i>For Class 55 Rating, Add</i>	1,036.47	
40 05 19 00-0949	EA		24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,302.59	625.80
			<i>For Class 52 Rating, Deduct</i>	-698.98	
			<i>For Class 54 Rating, Add</i>	476.58	
			<i>For Class 55 Rating, Add</i>	1,059.28	
40 05 19 00-0950			30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0954)</small>		
40 05 19 00-0951	EA		30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,193.05	745.18
			<i>For Class 52 Rating, Deduct</i>	-227.04	
			<i>For Class 54 Rating, Add</i>	154.80	
			<i>For Class 55 Rating, Add</i>	344.07	
40 05 19 00-0952	EA		30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,393.40	746.98
			<i>For Class 52 Rating, Deduct</i>	-248.78	
			<i>For Class 54 Rating, Add</i>	169.62	
			<i>For Class 55 Rating, Add</i>	377.01	
40 05 19 00-0953	EA		30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,593.73	748.79
			<i>For Class 52 Rating, Deduct</i>	-270.51	
			<i>For Class 54 Rating, Add</i>	184.44	
			<i>For Class 55 Rating, Add</i>	409.95	
40 05 19 00-0954	EA		30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,794.08	750.60
			<i>For Class 52 Rating, Deduct</i>	-292.25	
			<i>For Class 54 Rating, Add</i>	199.26	
			<i>For Class 55 Rating, Add</i>	442.89	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0955 EA 30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,994.41	752.41
<i>For Class 52 Rating, Deduct</i>	-313.98	
<i>For Class 54 Rating, Add</i>	214.08	
<i>For Class 55 Rating, Add</i>	475.83	
40 05 19 00-0956 EA 30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,194.76	754.22
<i>For Class 52 Rating, Deduct</i>	-335.72	
<i>For Class 54 Rating, Add</i>	228.90	
<i>For Class 55 Rating, Add</i>	508.77	
40 05 19 00-0957 EA 30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,395.09	756.03
<i>For Class 52 Rating, Deduct</i>	-357.46	
<i>For Class 54 Rating, Add</i>	243.72	
<i>For Class 55 Rating, Add</i>	541.71	
40 05 19 00-0958 EA 30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,595.44	757.84
<i>For Class 52 Rating, Deduct</i>	-379.19	
<i>For Class 54 Rating, Add</i>	258.54	
<i>For Class 55 Rating, Add</i>	574.65	
40 05 19 00-0959 EA 30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,795.77	759.64
<i>For Class 52 Rating, Deduct</i>	-400.93	
<i>For Class 54 Rating, Add</i>	273.36	
<i>For Class 55 Rating, Add</i>	607.59	
40 05 19 00-0960 EA 30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,996.12	761.46
<i>For Class 52 Rating, Deduct</i>	-422.66	
<i>For Class 54 Rating, Add</i>	288.18	
<i>For Class 55 Rating, Add</i>	640.53	
40 05 19 00-0961 EA 30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,196.46	763.26
<i>For Class 52 Rating, Deduct</i>	-444.40	
<i>For Class 54 Rating, Add</i>	303.00	
<i>For Class 55 Rating, Add</i>	673.47	
40 05 19 00-0962 EA 30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,396.80	765.07
<i>For Class 52 Rating, Deduct</i>	-466.14	
<i>For Class 54 Rating, Add</i>	317.82	
<i>For Class 55 Rating, Add</i>	706.41	
40 05 19 00-0963 EA 30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,597.14	766.88
<i>For Class 52 Rating, Deduct</i>	-487.87	
<i>For Class 54 Rating, Add</i>	332.64	
<i>For Class 55 Rating, Add</i>	739.35	
40 05 19 00-0964 EA 30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,797.48	768.69
<i>For Class 52 Rating, Deduct</i>	-509.61	
<i>For Class 54 Rating, Add</i>	347.46	
<i>For Class 55 Rating, Add</i>	772.29	
40 05 19 00-0965 EA 30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,997.82	770.49
<i>For Class 52 Rating, Deduct</i>	-531.34	
<i>For Class 54 Rating, Add</i>	362.28	
<i>For Class 55 Rating, Add</i>	805.23	
40 05 19 00-0966 EA 30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,198.16	772.31
<i>For Class 52 Rating, Deduct</i>	-553.08	
<i>For Class 54 Rating, Add</i>	377.10	
<i>For Class 55 Rating, Add</i>	838.17	
40 05 19 00-0967 EA 30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,398.50	774.12
<i>For Class 52 Rating, Deduct</i>	-574.82	
<i>For Class 54 Rating, Add</i>	391.92	
<i>For Class 55 Rating, Add</i>	871.11	
40 05 19 00-0968 EA 30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,598.84	775.92
<i>For Class 52 Rating, Deduct</i>	-596.55	
<i>For Class 54 Rating, Add</i>	406.74	
<i>For Class 55 Rating, Add</i>	904.05	
40 05 19 00-0969 EA 30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,799.18	777.73
<i>For Class 52 Rating, Deduct</i>	-618.29	
<i>For Class 54 Rating, Add</i>	421.56	
<i>For Class 55 Rating, Add</i>	936.99	
40 05 19 00-0970 EA 30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,999.52	779.54
<i>For Class 52 Rating, Deduct</i>	-640.02	
<i>For Class 54 Rating, Add</i>	436.38	
<i>For Class 55 Rating, Add</i>	969.93	
40 05 19 00-0971 EA 30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,199.86	781.35
<i>For Class 52 Rating, Deduct</i>	-661.76	
<i>For Class 54 Rating, Add</i>	451.20	
<i>For Class 55 Rating, Add</i>	1,002.87	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0972	EA		30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,400.21	783.15
			For Class 52 Rating, Deduct	-683.50	
			For Class 54 Rating, Add	466.02	
			For Class 55 Rating, Add	1,035.81	
40 05 19 00-0973	EA		30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,600.54	784.97
			For Class 52 Rating, Deduct	-705.23	
			For Class 54 Rating, Add	480.84	
			For Class 55 Rating, Add	1,068.75	
40 05 19 00-0974	EA		30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,800.89	786.77
			For Class 52 Rating, Deduct	-726.97	
			For Class 54 Rating, Add	495.66	
			For Class 55 Rating, Add	1,101.69	
40 05 19 00-0975	EA		30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,001.22	788.58
			For Class 52 Rating, Deduct	-748.70	
			For Class 54 Rating, Add	510.48	
			For Class 55 Rating, Add	1,134.63	
40 05 19 00-0976	EA		30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,201.57	790.39
			For Class 52 Rating, Deduct	-770.44	
			For Class 54 Rating, Add	525.30	
			For Class 55 Rating, Add	1,167.57	
40 05 19 00-0977	EA		30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,401.90	792.20
			For Class 52 Rating, Deduct	-792.18	
			For Class 54 Rating, Add	540.12	
			For Class 55 Rating, Add	1,200.51	
40 05 19 00-0978	EA		30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,602.25	794.01
			For Class 52 Rating, Deduct	-813.91	
			For Class 54 Rating, Add	554.94	
			For Class 55 Rating, Add	1,233.45	
40 05 19 00-0979	EA		30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,802.58	795.82
			For Class 52 Rating, Deduct	-835.65	
			For Class 54 Rating, Add	569.76	
			For Class 55 Rating, Add	1,266.39	
40 05 19 00-0980	EA		30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,002.93	797.63
			For Class 52 Rating, Deduct	-857.38	
			For Class 54 Rating, Add	584.58	
			For Class 55 Rating, Add	1,299.33	
40 05 19 00-0981	EA		30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,203.26	799.43
			For Class 52 Rating, Deduct	-879.12	
			For Class 54 Rating, Add	599.40	
			For Class 55 Rating, Add	1,332.27	
40 05 19 00-0982	EA		30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,403.61	801.25
			For Class 52 Rating, Deduct	-900.86	
			For Class 54 Rating, Add	614.22	
			For Class 55 Rating, Add	1,365.21	
40 05 19 00-0983	EA		30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,603.95	803.05
			For Class 52 Rating, Deduct	-922.59	
			For Class 54 Rating, Add	629.04	
			For Class 55 Rating, Add	1,398.15	
40 05 19 00-0984	EA		30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,804.29	804.86
			For Class 52 Rating, Deduct	-944.33	
			For Class 54 Rating, Add	643.86	
			For Class 55 Rating, Add	1,431.09	
40 05 19 00-0985	EA		30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,004.63	806.67
			For Class 52 Rating, Deduct	-966.06	
			For Class 54 Rating, Add	658.68	
			For Class 55 Rating, Add	1,464.03	
40 05 19 00-0986	EA		30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,204.97	808.48
			For Class 52 Rating, Deduct	-987.80	
			For Class 54 Rating, Add	673.50	
			For Class 55 Rating, Add	1,496.97	
40 05 19 00-0987	EA		30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,405.31	810.28
			For Class 52 Rating, Deduct	-1,009.54	
			For Class 54 Rating, Add	688.32	
			For Class 55 Rating, Add	1,529.91	
40 05 19 00-0988	EA		30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,605.65	812.10
			For Class 52 Rating, Deduct	-1,031.27	
			For Class 54 Rating, Add	703.14	
			For Class 55 Rating, Add	1,562.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0989 36" Flanged End x Grooved End (F&G), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0990 EA 36" Flanged x Grooved (F&G), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,340.10	944.13
For Class 52 Rating, Deduct	-320.06	
For Class 54 Rating, Add	218.22	
For Class 55 Rating, Add	485.03	
40 05 19 00-0991 EA 36" Flanged x Grooved (F&G), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,611.64	945.93
For Class 52 Rating, Deduct	-349.62	
For Class 54 Rating, Add	238.38	
For Class 55 Rating, Add	529.84	
40 05 19 00-0992 EA 36" Flanged x Grooved (F&G), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,883.18	947.75
For Class 52 Rating, Deduct	-379.19	
For Class 54 Rating, Add	258.54	
For Class 55 Rating, Add	574.65	
40 05 19 00-0993 EA 36" Flanged x Grooved (F&G), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,154.72	949.55
For Class 52 Rating, Deduct	-408.76	
For Class 54 Rating, Add	278.70	
For Class 55 Rating, Add	619.46	
40 05 19 00-0994 EA 36" Flanged x Grooved (F&G), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,426.27	951.36
For Class 52 Rating, Deduct	-438.33	
For Class 54 Rating, Add	298.86	
For Class 55 Rating, Add	664.27	
40 05 19 00-0995 EA 36" Flanged x Grooved (F&G), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,697.80	953.18
For Class 52 Rating, Deduct	-467.90	
For Class 54 Rating, Add	319.02	
For Class 55 Rating, Add	709.08	
40 05 19 00-0996 EA 36" Flanged x Grooved (F&G), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,969.35	954.98
For Class 52 Rating, Deduct	-497.46	
For Class 54 Rating, Add	339.18	
For Class 55 Rating, Add	753.88	
40 05 19 00-0997 EA 36" Flanged x Grooved (F&G), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,240.88	956.79
For Class 52 Rating, Deduct	-527.03	
For Class 54 Rating, Add	359.34	
For Class 55 Rating, Add	798.69	
40 05 19 00-0998 EA 36" Flanged x Grooved (F&G), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,512.43	958.60
For Class 52 Rating, Deduct	-556.60	
For Class 54 Rating, Add	379.50	
For Class 55 Rating, Add	843.50	
40 05 19 00-0999 EA 36" Flanged x Grooved (F&G), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,783.96	960.41
For Class 52 Rating, Deduct	-586.17	
For Class 54 Rating, Add	399.66	
For Class 55 Rating, Add	888.31	
40 05 19 00-1000 EA 36" Flanged x Grooved (F&G), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,055.50	962.21
For Class 52 Rating, Deduct	-615.74	
For Class 54 Rating, Add	419.82	
For Class 55 Rating, Add	933.12	
40 05 19 00-1001 EA 36" Flanged x Grooved (F&G), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,327.04	964.03
For Class 52 Rating, Deduct	-645.30	
For Class 54 Rating, Add	439.98	
For Class 55 Rating, Add	977.93	
40 05 19 00-1002 EA 36" Flanged x Grooved (F&G), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,598.58	965.83
For Class 52 Rating, Deduct	-674.87	
For Class 54 Rating, Add	460.14	
For Class 55 Rating, Add	1,022.74	
40 05 19 00-1003 EA 36" Flanged x Grooved (F&G), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,870.12	967.64
For Class 52 Rating, Deduct	-704.44	
For Class 54 Rating, Add	480.30	
For Class 55 Rating, Add	1,067.55	
40 05 19 00-1004 EA 36" Flanged x Grooved (F&G), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,141.66	969.45
For Class 52 Rating, Deduct	-734.01	
For Class 54 Rating, Add	500.46	
For Class 55 Rating, Add	1,112.36	
40 05 19 00-1005 EA 36" Flanged x Grooved (F&G), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,413.21	971.26
For Class 52 Rating, Deduct	-763.58	
For Class 54 Rating, Add	520.62	
For Class 55 Rating, Add	1,157.16	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1006	EA		36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,684.74	973.07
			For Class 52 Rating, Deduct	-793.14	
			For Class 54 Rating, Add	540.78	
			For Class 55 Rating, Add	1,201.97	
40 05 19 00-1007	EA		36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,956.29	974.88
			For Class 52 Rating, Deduct	-822.71	
			For Class 54 Rating, Add	560.94	
			For Class 55 Rating, Add	1,246.78	
40 05 19 00-1008	EA		36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,227.82	976.69
			For Class 52 Rating, Deduct	-852.28	
			For Class 54 Rating, Add	581.10	
			For Class 55 Rating, Add	1,291.59	
40 05 19 00-1009	EA		36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,499.37	978.49
			For Class 52 Rating, Deduct	-881.85	
			For Class 54 Rating, Add	601.26	
			For Class 55 Rating, Add	1,336.40	
40 05 19 00-1010	EA		36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,770.90	980.31
			For Class 52 Rating, Deduct	-911.42	
			For Class 54 Rating, Add	621.42	
			For Class 55 Rating, Add	1,381.21	
40 05 19 00-1011	EA		36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,042.45	982.11
			For Class 52 Rating, Deduct	-940.98	
			For Class 54 Rating, Add	641.58	
			For Class 55 Rating, Add	1,426.02	
40 05 19 00-1012	EA		36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,313.98	983.92
			For Class 52 Rating, Deduct	-970.55	
			For Class 54 Rating, Add	661.74	
			For Class 55 Rating, Add	1,470.83	
40 05 19 00-1013	EA		36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,585.53	985.73
			For Class 52 Rating, Deduct	-1,000.12	
			For Class 54 Rating, Add	681.90	
			For Class 55 Rating, Add	1,515.64	
40 05 19 00-1014	EA		36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,857.07	987.54
			For Class 52 Rating, Deduct	-1,029.69	
			For Class 54 Rating, Add	702.06	
			For Class 55 Rating, Add	1,560.45	
40 05 19 00-1015	EA		36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,128.61	989.34
			For Class 52 Rating, Deduct	-1,059.26	
			For Class 54 Rating, Add	722.22	
			For Class 55 Rating, Add	1,605.25	
40 05 19 00-1016	EA		36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,400.15	991.15
			For Class 52 Rating, Deduct	-1,088.82	
			For Class 54 Rating, Add	742.38	
			For Class 55 Rating, Add	1,650.06	
40 05 19 00-1017	EA		36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,671.69	992.97
			For Class 52 Rating, Deduct	-1,118.39	
			For Class 54 Rating, Add	762.54	
			For Class 55 Rating, Add	1,694.87	
40 05 19 00-1018	EA		36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,943.23	994.77
			For Class 52 Rating, Deduct	-1,147.96	
			For Class 54 Rating, Add	782.70	
			For Class 55 Rating, Add	1,739.68	
40 05 19 00-1019	EA		36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,214.77	996.58
			For Class 52 Rating, Deduct	-1,177.53	
			For Class 54 Rating, Add	802.86	
			For Class 55 Rating, Add	1,784.49	
40 05 19 00-1020	EA		36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,486.31	998.39
			For Class 52 Rating, Deduct	-1,207.10	
			For Class 54 Rating, Add	823.02	
			For Class 55 Rating, Add	1,829.30	
40 05 19 00-1021	EA		36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,757.85	1,000.20
			For Class 52 Rating, Deduct	-1,236.66	
			For Class 54 Rating, Add	843.18	
			For Class 55 Rating, Add	1,874.11	
40 05 19 00-1022	EA		36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,029.39	1,002.00
			For Class 52 Rating, Deduct	-1,266.23	
			For Class 54 Rating, Add	863.34	
			For Class 55 Rating, Add	1,918.92	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1023 EA 36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,300.93	1,003.82
For Class 52 Rating, Deduct	-1,295.80	
For Class 54 Rating, Add	883.50	
For Class 55 Rating, Add	1,963.73	
40 05 19 00-1024 EA 36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,572.47	1,005.62
For Class 52 Rating, Deduct	-1,325.37	
For Class 54 Rating, Add	903.66	
For Class 55 Rating, Add	2,008.53	
40 05 19 00-1025 EA 36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,844.02	1,007.43
For Class 52 Rating, Deduct	-1,354.94	
For Class 54 Rating, Add	923.82	
For Class 55 Rating, Add	2,053.34	
40 05 19 00-1026 EA 36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,115.55	1,009.24
For Class 52 Rating, Deduct	-1,384.50	
For Class 54 Rating, Add	943.98	
For Class 55 Rating, Add	2,098.15	
40 05 19 00-1027 EA 36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,387.10	1,011.05
For Class 52 Rating, Deduct	-1,414.07	
For Class 54 Rating, Add	964.14	
For Class 55 Rating, Add	2,142.96	
40 05 19 00-1028 Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
40 05 19 00-1029 4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1030 EA 4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	250.03	88.46
For Class 52 Rating, Deduct	-12.76	
For Class 54 Rating, Add	8.70	
For Class 55 Rating, Add	19.34	
40 05 19 00-1031 EA 4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	273.16	90.01
For Class 52 Rating, Deduct	-15.05	
For Class 54 Rating, Add	10.26	
For Class 55 Rating, Add	22.80	
40 05 19 00-1032 EA 4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	296.30	91.55
For Class 52 Rating, Deduct	-17.34	
For Class 54 Rating, Add	11.82	
For Class 55 Rating, Add	26.27	
40 05 19 00-1033 EA 4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	319.45	93.09
For Class 52 Rating, Deduct	-19.62	
For Class 54 Rating, Add	13.38	
For Class 55 Rating, Add	29.74	
40 05 19 00-1034 EA 4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	342.59	94.64
For Class 52 Rating, Deduct	-21.91	
For Class 54 Rating, Add	14.94	
For Class 55 Rating, Add	33.21	
40 05 19 00-1035 EA 4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	365.73	96.19
For Class 52 Rating, Deduct	-24.20	
For Class 54 Rating, Add	16.50	
For Class 55 Rating, Add	36.67	
40 05 19 00-1036 EA 4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	388.88	97.74
For Class 52 Rating, Deduct	-26.49	
For Class 54 Rating, Add	18.06	
For Class 55 Rating, Add	40.14	
40 05 19 00-1037 EA 4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	412.02	99.28
For Class 52 Rating, Deduct	-28.78	
For Class 54 Rating, Add	19.62	
For Class 55 Rating, Add	43.61	
40 05 19 00-1038 EA 4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	435.16	100.83
For Class 52 Rating, Deduct	-31.06	
For Class 54 Rating, Add	21.18	
For Class 55 Rating, Add	47.08	
40 05 19 00-1039 EA 4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	458.31	102.38
For Class 52 Rating, Deduct	-33.35	
For Class 54 Rating, Add	22.74	
For Class 55 Rating, Add	50.54	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1040	EA		4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	481.45	103.91
			<i>For Class 52 Rating, Deduct</i>	-35.64	
			<i>For Class 54 Rating, Add</i>	24.30	
			<i>For Class 55 Rating, Add</i>	54.01	
40 05 19 00-1041	EA		4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	504.59	105.46
			<i>For Class 52 Rating, Deduct</i>	-37.93	
			<i>For Class 54 Rating, Add</i>	25.86	
			<i>For Class 55 Rating, Add</i>	57.48	
40 05 19 00-1042	EA		4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	527.74	107.01
			<i>For Class 52 Rating, Deduct</i>	-40.22	
			<i>For Class 54 Rating, Add</i>	27.42	
			<i>For Class 55 Rating, Add</i>	60.95	
40 05 19 00-1043	EA		4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	550.88	108.56
			<i>For Class 52 Rating, Deduct</i>	-42.50	
			<i>For Class 54 Rating, Add</i>	28.98	
			<i>For Class 55 Rating, Add</i>	64.41	
40 05 19 00-1044	EA		4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	574.02	110.10
			<i>For Class 52 Rating, Deduct</i>	-44.79	
			<i>For Class 54 Rating, Add</i>	30.54	
			<i>For Class 55 Rating, Add</i>	67.88	
40 05 19 00-1045	EA		4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	597.17	111.65
			<i>For Class 52 Rating, Deduct</i>	-47.08	
			<i>For Class 54 Rating, Add</i>	32.10	
			<i>For Class 55 Rating, Add</i>	71.35	
40 05 19 00-1046	EA		4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	620.31	113.20
			<i>For Class 52 Rating, Deduct</i>	-49.37	
			<i>For Class 54 Rating, Add</i>	33.66	
			<i>For Class 55 Rating, Add</i>	74.81	
40 05 19 00-1047	EA		4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	643.45	114.74
			<i>For Class 52 Rating, Deduct</i>	-51.66	
			<i>For Class 54 Rating, Add</i>	35.22	
			<i>For Class 55 Rating, Add</i>	78.28	
40 05 19 00-1048	EA		4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	666.60	116.29
			<i>For Class 52 Rating, Deduct</i>	-53.94	
			<i>For Class 54 Rating, Add</i>	36.78	
			<i>For Class 55 Rating, Add</i>	81.75	
40 05 19 00-1049	EA		4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	689.74	117.84
			<i>For Class 52 Rating, Deduct</i>	-56.23	
			<i>For Class 54 Rating, Add</i>	38.34	
			<i>For Class 55 Rating, Add</i>	85.22	
40 05 19 00-1050	EA		4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	712.88	119.39
			<i>For Class 52 Rating, Deduct</i>	-58.52	
			<i>For Class 54 Rating, Add</i>	39.90	
			<i>For Class 55 Rating, Add</i>	88.68	
40 05 19 00-1051	EA		4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	736.03	120.93
			<i>For Class 52 Rating, Deduct</i>	-60.81	
			<i>For Class 54 Rating, Add</i>	41.46	
			<i>For Class 55 Rating, Add</i>	92.15	
40 05 19 00-1052	EA		4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	759.17	122.48
			<i>For Class 52 Rating, Deduct</i>	-63.10	
			<i>For Class 54 Rating, Add</i>	43.02	
			<i>For Class 55 Rating, Add</i>	95.62	
40 05 19 00-1053	EA		4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	782.32	124.03
			<i>For Class 52 Rating, Deduct</i>	-65.38	
			<i>For Class 54 Rating, Add</i>	44.58	
			<i>For Class 55 Rating, Add</i>	99.09	
40 05 19 00-1054	EA		4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	805.45	125.57
			<i>For Class 52 Rating, Deduct</i>	-67.67	
			<i>For Class 54 Rating, Add</i>	46.14	
			<i>For Class 55 Rating, Add</i>	102.55	
40 05 19 00-1055	EA		4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	828.59	127.11
			<i>For Class 52 Rating, Deduct</i>	-69.96	
			<i>For Class 54 Rating, Add</i>	47.70	
			<i>For Class 55 Rating, Add</i>	106.02	
40 05 19 00-1056	EA		4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	851.74	128.66
			<i>For Class 52 Rating, Deduct</i>	-72.25	
			<i>For Class 54 Rating, Add</i>	49.26	
			<i>For Class 55 Rating, Add</i>	109.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1057 EA 4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	874.88	130.21
<i>For Class 52 Rating, Deduct</i>	-74.54	
<i>For Class 54 Rating, Add</i>	50.82	
<i>For Class 55 Rating, Add</i>	112.96	
40 05 19 00-1058 EA 4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	898.02	131.75
<i>For Class 52 Rating, Deduct</i>	-76.82	
<i>For Class 54 Rating, Add</i>	52.38	
<i>For Class 55 Rating, Add</i>	116.42	
40 05 19 00-1059 EA 4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	921.17	133.30
<i>For Class 52 Rating, Deduct</i>	-79.11	
<i>For Class 54 Rating, Add</i>	53.94	
<i>For Class 55 Rating, Add</i>	119.89	
40 05 19 00-1060 EA 4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	944.31	134.85
<i>For Class 52 Rating, Deduct</i>	-81.40	
<i>For Class 54 Rating, Add</i>	55.50	
<i>For Class 55 Rating, Add</i>	123.36	
40 05 19 00-1061 EA 4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	967.45	136.40
<i>For Class 52 Rating, Deduct</i>	-83.69	
<i>For Class 54 Rating, Add</i>	57.06	
<i>For Class 55 Rating, Add</i>	126.83	
40 05 19 00-1062 EA 4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	990.60	137.94
<i>For Class 52 Rating, Deduct</i>	-85.98	
<i>For Class 54 Rating, Add</i>	58.62	
<i>For Class 55 Rating, Add</i>	130.29	
40 05 19 00-1063 EA 4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,013.74	139.48
<i>For Class 52 Rating, Deduct</i>	-88.26	
<i>For Class 54 Rating, Add</i>	60.18	
<i>For Class 55 Rating, Add</i>	133.76	
40 05 19 00-1064 EA 4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,036.88	141.03
<i>For Class 52 Rating, Deduct</i>	-90.55	
<i>For Class 54 Rating, Add</i>	61.74	
<i>For Class 55 Rating, Add</i>	137.23	
40 05 19 00-1065 EA 4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,060.03	142.58
<i>For Class 52 Rating, Deduct</i>	-92.84	
<i>For Class 54 Rating, Add</i>	63.30	
<i>For Class 55 Rating, Add</i>	140.69	
40 05 19 00-1066 EA 4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,083.17	144.13
<i>For Class 52 Rating, Deduct</i>	-95.13	
<i>For Class 54 Rating, Add</i>	64.86	
<i>For Class 55 Rating, Add</i>	144.16	
40 05 19 00-1067 EA 4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,106.31	145.67
<i>For Class 52 Rating, Deduct</i>	-97.42	
<i>For Class 54 Rating, Add</i>	66.42	
<i>For Class 55 Rating, Add</i>	147.63	
40 05 19 00-1068 EA 4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,129.46	147.22
<i>For Class 52 Rating, Deduct</i>	-99.70	
<i>For Class 54 Rating, Add</i>	67.98	
<i>For Class 55 Rating, Add</i>	151.10	
40 05 19 00-1069 6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1070 EA 6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	313.50	111.35
<i>For Class 52 Rating, Deduct</i>	-15.93	
<i>For Class 54 Rating, Add</i>	10.86	
<i>For Class 55 Rating, Add</i>	24.14	
40 05 19 00-1071 EA 6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	341.44	112.90
<i>For Class 52 Rating, Deduct</i>	-18.74	
<i>For Class 54 Rating, Add</i>	12.78	
<i>For Class 55 Rating, Add</i>	28.41	
40 05 19 00-1072 EA 6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	369.39	114.43
<i>For Class 52 Rating, Deduct</i>	-21.56	
<i>For Class 54 Rating, Add</i>	14.70	
<i>For Class 55 Rating, Add</i>	32.67	
40 05 19 00-1073 EA 6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	397.33	115.98
<i>For Class 52 Rating, Deduct</i>	-24.38	
<i>For Class 54 Rating, Add</i>	16.62	
<i>For Class 55 Rating, Add</i>	36.94	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1074	EA		6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	425.28	117.53
			For Class 52 Rating, Deduct	-27.19	
			For Class 54 Rating, Add	18.54	
			For Class 55 Rating, Add	41.21	
40 05 19 00-1075	EA		6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	453.22	119.07
			For Class 52 Rating, Deduct	-30.01	
			For Class 54 Rating, Add	20.46	
			For Class 55 Rating, Add	45.48	
40 05 19 00-1076	EA		6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	481.16	120.62
			For Class 52 Rating, Deduct	-32.82	
			For Class 54 Rating, Add	22.38	
			For Class 55 Rating, Add	49.74	
40 05 19 00-1077	EA		6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	509.11	122.17
			For Class 52 Rating, Deduct	-35.64	
			For Class 54 Rating, Add	24.30	
			For Class 55 Rating, Add	54.01	
40 05 19 00-1078	EA		6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	537.05	123.72
			For Class 52 Rating, Deduct	-38.46	
			For Class 54 Rating, Add	26.22	
			For Class 55 Rating, Add	58.28	
40 05 19 00-1079	EA		6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	564.99	125.26
			For Class 52 Rating, Deduct	-41.27	
			For Class 54 Rating, Add	28.14	
			For Class 55 Rating, Add	62.55	
40 05 19 00-1080	EA		6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	592.93	126.80
			For Class 52 Rating, Deduct	-44.09	
			For Class 54 Rating, Add	30.06	
			For Class 55 Rating, Add	66.81	
40 05 19 00-1081	EA		6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	620.87	128.35
			For Class 52 Rating, Deduct	-46.90	
			For Class 54 Rating, Add	31.98	
			For Class 55 Rating, Add	71.08	
40 05 19 00-1082	EA		6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	648.81	129.89
			For Class 52 Rating, Deduct	-49.72	
			For Class 54 Rating, Add	33.90	
			For Class 55 Rating, Add	75.35	
40 05 19 00-1083	EA		6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	676.76	131.44
			For Class 52 Rating, Deduct	-52.54	
			For Class 54 Rating, Add	35.82	
			For Class 55 Rating, Add	79.62	
40 05 19 00-1084	EA		6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	704.70	132.99
			For Class 52 Rating, Deduct	-55.35	
			For Class 54 Rating, Add	37.74	
			For Class 55 Rating, Add	83.88	
40 05 19 00-1085	EA		6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	732.64	134.54
			For Class 52 Rating, Deduct	-58.17	
			For Class 54 Rating, Add	39.66	
			For Class 55 Rating, Add	88.15	
40 05 19 00-1086	EA		6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	760.59	136.09
			For Class 52 Rating, Deduct	-60.98	
			For Class 54 Rating, Add	41.58	
			For Class 55 Rating, Add	92.42	
40 05 19 00-1087	EA		6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	788.53	137.64
			For Class 52 Rating, Deduct	-63.80	
			For Class 54 Rating, Add	43.50	
			For Class 55 Rating, Add	96.69	
40 05 19 00-1088	EA		6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	816.47	139.17
			For Class 52 Rating, Deduct	-66.62	
			For Class 54 Rating, Add	45.42	
			For Class 55 Rating, Add	100.95	
40 05 19 00-1089	EA		6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	844.42	140.72
			For Class 52 Rating, Deduct	-69.43	
			For Class 54 Rating, Add	47.34	
			For Class 55 Rating, Add	105.22	
40 05 19 00-1090	EA		6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	872.36	142.27
			For Class 52 Rating, Deduct	-72.25	
			For Class 54 Rating, Add	49.26	
			For Class 55 Rating, Add	109.49	



Process Interconnections 40 Common Work Results For Process Interconnections 40 05 Ductile Iron Process Pipe 40 05 19	40
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1091 EA 6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	900.30	143.82
<i>For Class 52 Rating, Deduct</i>	-75.06	
<i>For Class 54 Rating, Add</i>	51.18	
<i>For Class 55 Rating, Add</i>	113.76	
40 05 19 00-1092 EA 6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	928.25	145.37
<i>For Class 52 Rating, Deduct</i>	-77.88	
<i>For Class 54 Rating, Add</i>	53.10	
<i>For Class 55 Rating, Add</i>	118.02	
40 05 19 00-1093 EA 6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	956.19	146.91
<i>For Class 52 Rating, Deduct</i>	-80.70	
<i>For Class 54 Rating, Add</i>	55.02	
<i>For Class 55 Rating, Add</i>	122.29	
40 05 19 00-1094 EA 6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	984.14	148.46
<i>For Class 52 Rating, Deduct</i>	-83.51	
<i>For Class 54 Rating, Add</i>	56.94	
<i>For Class 55 Rating, Add</i>	126.56	
40 05 19 00-1095 EA 6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,012.08	150.01
<i>For Class 52 Rating, Deduct</i>	-86.33	
<i>For Class 54 Rating, Add</i>	58.86	
<i>For Class 55 Rating, Add</i>	130.83	
40 05 19 00-1096 EA 6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,040.02	151.55
<i>For Class 52 Rating, Deduct</i>	-89.14	
<i>For Class 54 Rating, Add</i>	60.78	
<i>For Class 55 Rating, Add</i>	135.09	
40 05 19 00-1097 EA 6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,067.97	153.09
<i>For Class 52 Rating, Deduct</i>	-91.96	
<i>For Class 54 Rating, Add</i>	62.70	
<i>For Class 55 Rating, Add</i>	139.36	
40 05 19 00-1098 EA 6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,095.91	154.64
<i>For Class 52 Rating, Deduct</i>	-94.78	
<i>For Class 54 Rating, Add</i>	64.62	
<i>For Class 55 Rating, Add</i>	143.63	
40 05 19 00-1099 EA 6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,123.85	156.19
<i>For Class 52 Rating, Deduct</i>	-97.59	
<i>For Class 54 Rating, Add</i>	66.54	
<i>For Class 55 Rating, Add</i>	147.90	
40 05 19 00-1100 EA 6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,151.80	157.73
<i>For Class 52 Rating, Deduct</i>	-100.41	
<i>For Class 54 Rating, Add</i>	68.46	
<i>For Class 55 Rating, Add</i>	152.16	
40 05 19 00-1101 EA 6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,179.74	159.28
<i>For Class 52 Rating, Deduct</i>	-103.22	
<i>For Class 54 Rating, Add</i>	70.38	
<i>For Class 55 Rating, Add</i>	156.43	
40 05 19 00-1102 EA 6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,207.68	160.83
<i>For Class 52 Rating, Deduct</i>	-106.04	
<i>For Class 54 Rating, Add</i>	72.30	
<i>For Class 55 Rating, Add</i>	160.70	
40 05 19 00-1103 EA 6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,235.62	162.38
<i>For Class 52 Rating, Deduct</i>	-108.86	
<i>For Class 54 Rating, Add</i>	74.22	
<i>For Class 55 Rating, Add</i>	164.97	
40 05 19 00-1104 EA 6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,263.56	163.91
<i>For Class 52 Rating, Deduct</i>	-111.67	
<i>For Class 54 Rating, Add</i>	76.14	
<i>For Class 55 Rating, Add</i>	169.23	
40 05 19 00-1105 EA 6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,291.50	165.46
<i>For Class 52 Rating, Deduct</i>	-114.49	
<i>For Class 54 Rating, Add</i>	78.06	
<i>For Class 55 Rating, Add</i>	173.50	
40 05 19 00-1106 EA 6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,319.45	167.01
<i>For Class 52 Rating, Deduct</i>	-117.30	
<i>For Class 54 Rating, Add</i>	79.98	
<i>For Class 55 Rating, Add</i>	177.77	
40 05 19 00-1107 EA 6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,347.39	168.56
<i>For Class 52 Rating, Deduct</i>	-120.12	
<i>For Class 54 Rating, Add</i>	81.90	
<i>For Class 55 Rating, Add</i>	182.04	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1108	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,375.33	170.11
		<i>For Class 52 Rating, Deduct</i>	-122.94	
		<i>For Class 54 Rating, Add</i>	83.82	
		<i>For Class 55 Rating, Add</i>	186.30	
40 05 19 00-1109		8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1110	EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	425.96	142.27
		<i>For Class 52 Rating, Deduct</i>	-23.14	
		<i>For Class 54 Rating, Add</i>	15.78	
		<i>For Class 55 Rating, Add</i>	35.07	
40 05 19 00-1111	EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	463.50	143.82
		<i>For Class 52 Rating, Deduct</i>	-27.02	
		<i>For Class 54 Rating, Add</i>	18.42	
		<i>For Class 55 Rating, Add</i>	40.94	
40 05 19 00-1112	EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	501.05	145.37
		<i>For Class 52 Rating, Deduct</i>	-30.89	
		<i>For Class 54 Rating, Add</i>	21.06	
		<i>For Class 55 Rating, Add</i>	46.81	
40 05 19 00-1113	EA	8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	538.59	146.91
		<i>For Class 52 Rating, Deduct</i>	-34.76	
		<i>For Class 54 Rating, Add</i>	23.70	
		<i>For Class 55 Rating, Add</i>	52.68	
40 05 19 00-1114	EA	8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	576.14	148.46
		<i>For Class 52 Rating, Deduct</i>	-38.63	
		<i>For Class 54 Rating, Add</i>	26.34	
		<i>For Class 55 Rating, Add</i>	58.55	
40 05 19 00-1115	EA	8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	613.68	150.01
		<i>For Class 52 Rating, Deduct</i>	-42.50	
		<i>For Class 54 Rating, Add</i>	28.98	
		<i>For Class 55 Rating, Add</i>	64.41	
40 05 19 00-1116	EA	8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	651.22	151.55
		<i>For Class 52 Rating, Deduct</i>	-46.38	
		<i>For Class 54 Rating, Add</i>	31.62	
		<i>For Class 55 Rating, Add</i>	70.28	
40 05 19 00-1117	EA	8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	688.77	153.09
		<i>For Class 52 Rating, Deduct</i>	-50.25	
		<i>For Class 54 Rating, Add</i>	34.26	
		<i>For Class 55 Rating, Add</i>	76.15	
40 05 19 00-1118	EA	8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	726.31	154.64
		<i>For Class 52 Rating, Deduct</i>	-54.12	
		<i>For Class 54 Rating, Add</i>	36.90	
		<i>For Class 55 Rating, Add</i>	82.02	
40 05 19 00-1119	EA	8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	763.85	156.19
		<i>For Class 52 Rating, Deduct</i>	-57.99	
		<i>For Class 54 Rating, Add</i>	39.54	
		<i>For Class 55 Rating, Add</i>	87.88	
40 05 19 00-1120	EA	8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	801.40	157.73
		<i>For Class 52 Rating, Deduct</i>	-61.86	
		<i>For Class 54 Rating, Add</i>	42.18	
		<i>For Class 55 Rating, Add</i>	93.75	
40 05 19 00-1121	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	838.94	159.28
		<i>For Class 52 Rating, Deduct</i>	-65.74	
		<i>For Class 54 Rating, Add</i>	44.82	
		<i>For Class 55 Rating, Add</i>	99.62	
40 05 19 00-1122	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	876.48	160.83
		<i>For Class 52 Rating, Deduct</i>	-69.61	
		<i>For Class 54 Rating, Add</i>	47.46	
		<i>For Class 55 Rating, Add</i>	105.49	
40 05 19 00-1123	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	914.02	162.38
		<i>For Class 52 Rating, Deduct</i>	-73.48	
		<i>For Class 54 Rating, Add</i>	50.10	
		<i>For Class 55 Rating, Add</i>	111.36	
40 05 19 00-1124	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	951.56	163.91
		<i>For Class 52 Rating, Deduct</i>	-77.35	
		<i>For Class 54 Rating, Add</i>	52.74	
		<i>For Class 55 Rating, Add</i>	117.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1125 EA 8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	989.10	165.46
<i>For Class 52 Rating, Deduct</i>	-81.22	
<i>For Class 54 Rating, Add</i>	55.38	
<i>For Class 55 Rating, Add</i>	123.09	
40 05 19 00-1126 EA 8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,026.65	167.01
<i>For Class 52 Rating, Deduct</i>	-85.10	
<i>For Class 54 Rating, Add</i>	58.02	
<i>For Class 55 Rating, Add</i>	128.96	
40 05 19 00-1127 EA 8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,064.19	168.56
<i>For Class 52 Rating, Deduct</i>	-88.97	
<i>For Class 54 Rating, Add</i>	60.66	
<i>For Class 55 Rating, Add</i>	134.83	
40 05 19 00-1128 EA 8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,101.73	170.11
<i>For Class 52 Rating, Deduct</i>	-92.84	
<i>For Class 54 Rating, Add</i>	63.30	
<i>For Class 55 Rating, Add</i>	140.69	
40 05 19 00-1129 EA 8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,139.28	171.66
<i>For Class 52 Rating, Deduct</i>	-96.71	
<i>For Class 54 Rating, Add</i>	65.94	
<i>For Class 55 Rating, Add</i>	146.56	
40 05 19 00-1130 EA 8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,176.82	173.21
<i>For Class 52 Rating, Deduct</i>	-100.58	
<i>For Class 54 Rating, Add</i>	68.58	
<i>For Class 55 Rating, Add</i>	152.43	
40 05 19 00-1131 EA 8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,214.36	174.74
<i>For Class 52 Rating, Deduct</i>	-104.46	
<i>For Class 54 Rating, Add</i>	71.22	
<i>For Class 55 Rating, Add</i>	158.30	
40 05 19 00-1132 EA 8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,251.91	176.29
<i>For Class 52 Rating, Deduct</i>	-108.33	
<i>For Class 54 Rating, Add</i>	73.86	
<i>For Class 55 Rating, Add</i>	164.17	
40 05 19 00-1133 EA 8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,289.45	177.84
<i>For Class 52 Rating, Deduct</i>	-112.20	
<i>For Class 54 Rating, Add</i>	76.50	
<i>For Class 55 Rating, Add</i>	170.03	
40 05 19 00-1134 EA 8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,326.99	179.39
<i>For Class 52 Rating, Deduct</i>	-116.07	
<i>For Class 54 Rating, Add</i>	79.14	
<i>For Class 55 Rating, Add</i>	175.90	
40 05 19 00-1135 EA 8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,364.54	180.93
<i>For Class 52 Rating, Deduct</i>	-119.94	
<i>For Class 54 Rating, Add</i>	81.78	
<i>For Class 55 Rating, Add</i>	181.77	
40 05 19 00-1136 EA 8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,402.08	182.48
<i>For Class 52 Rating, Deduct</i>	-123.82	
<i>For Class 54 Rating, Add</i>	84.42	
<i>For Class 55 Rating, Add</i>	187.64	
40 05 19 00-1137 EA 8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,439.63	184.03
<i>For Class 52 Rating, Deduct</i>	-127.69	
<i>For Class 54 Rating, Add</i>	87.06	
<i>For Class 55 Rating, Add</i>	193.51	
40 05 19 00-1138 EA 8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,477.17	185.57
<i>For Class 52 Rating, Deduct</i>	-131.56	
<i>For Class 54 Rating, Add</i>	89.70	
<i>For Class 55 Rating, Add</i>	199.37	
40 05 19 00-1139 EA 8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,514.71	187.11
<i>For Class 52 Rating, Deduct</i>	-135.43	
<i>For Class 54 Rating, Add</i>	92.34	
<i>For Class 55 Rating, Add</i>	205.24	
40 05 19 00-1140 EA 8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,552.26	188.66
<i>For Class 52 Rating, Deduct</i>	-139.30	
<i>For Class 54 Rating, Add</i>	94.98	
<i>For Class 55 Rating, Add</i>	211.11	
40 05 19 00-1141 EA 8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,589.80	190.21
<i>For Class 52 Rating, Deduct</i>	-143.18	
<i>For Class 54 Rating, Add</i>	97.62	
<i>For Class 55 Rating, Add</i>	216.98	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1142	EA		8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,627.34	191.75
			<i>For Class 52 Rating, Deduct</i>	-147.05	
			<i>For Class 54 Rating, Add</i>	100.26	
			<i>For Class 55 Rating, Add</i>	222.84	
40 05 19 00-1143	EA		8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,664.89	193.30
			<i>For Class 52 Rating, Deduct</i>	-150.92	
			<i>For Class 54 Rating, Add</i>	102.90	
			<i>For Class 55 Rating, Add</i>	228.71	
40 05 19 00-1144	EA		8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,702.43	194.85
			<i>For Class 52 Rating, Deduct</i>	-154.79	
			<i>For Class 54 Rating, Add</i>	105.54	
			<i>For Class 55 Rating, Add</i>	234.58	
40 05 19 00-1145	EA		8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,739.97	196.40
			<i>For Class 52 Rating, Deduct</i>	-158.66	
			<i>For Class 54 Rating, Add</i>	108.18	
			<i>For Class 55 Rating, Add</i>	240.45	
40 05 19 00-1146	EA		8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,777.51	197.94
			<i>For Class 52 Rating, Deduct</i>	-162.54	
			<i>For Class 54 Rating, Add</i>	110.82	
			<i>For Class 55 Rating, Add</i>	246.32	
40 05 19 00-1147	EA		8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,815.05	199.48
			<i>For Class 52 Rating, Deduct</i>	-166.41	
			<i>For Class 54 Rating, Add</i>	113.46	
			<i>For Class 55 Rating, Add</i>	252.18	
40 05 19 00-1148	EA		8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,852.59	201.03
			<i>For Class 52 Rating, Deduct</i>	-170.28	
			<i>For Class 54 Rating, Add</i>	116.10	
			<i>For Class 55 Rating, Add</i>	258.05	
40 05 19 00-1149			10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1150	EA		10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	533.62	173.21
			<i>For Class 52 Rating, Deduct</i>	-29.83	
			<i>For Class 54 Rating, Add</i>	20.34	
			<i>For Class 55 Rating, Add</i>	45.21	
40 05 19 00-1151	EA		10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	582.36	174.74
			<i>For Class 52 Rating, Deduct</i>	-34.94	
			<i>For Class 54 Rating, Add</i>	23.82	
			<i>For Class 55 Rating, Add</i>	52.94	
40 05 19 00-1152	EA		10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	631.11	176.29
			<i>For Class 52 Rating, Deduct</i>	-40.04	
			<i>For Class 54 Rating, Add</i>	27.30	
			<i>For Class 55 Rating, Add</i>	60.68	
40 05 19 00-1153	EA		10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	679.85	177.84
			<i>For Class 52 Rating, Deduct</i>	-45.14	
			<i>For Class 54 Rating, Add</i>	30.78	
			<i>For Class 55 Rating, Add</i>	68.41	
40 05 19 00-1154	EA		10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	728.59	179.39
			<i>For Class 52 Rating, Deduct</i>	-50.25	
			<i>For Class 54 Rating, Add</i>	34.26	
			<i>For Class 55 Rating, Add</i>	76.15	
40 05 19 00-1155	EA		10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	777.34	180.93
			<i>For Class 52 Rating, Deduct</i>	-55.35	
			<i>For Class 54 Rating, Add</i>	37.74	
			<i>For Class 55 Rating, Add</i>	83.88	
40 05 19 00-1156	EA		10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	826.08	182.48
			<i>For Class 52 Rating, Deduct</i>	-60.46	
			<i>For Class 54 Rating, Add</i>	41.22	
			<i>For Class 55 Rating, Add</i>	91.62	
40 05 19 00-1157	EA		10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	874.83	184.03
			<i>For Class 52 Rating, Deduct</i>	-65.56	
			<i>For Class 54 Rating, Add</i>	44.70	
			<i>For Class 55 Rating, Add</i>	99.35	
40 05 19 00-1158	EA		10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	923.57	185.57
			<i>For Class 52 Rating, Deduct</i>	-70.66	
			<i>For Class 54 Rating, Add</i>	48.18	
			<i>For Class 55 Rating, Add</i>	107.09	



Process Interconnections	40
Common Work Results For Process Interconnections	40 05
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1159 EA 10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	972.31	187.11
<i>For Class 52 Rating, Deduct</i>	-75.77	
<i>For Class 54 Rating, Add</i>	51.66	
<i>For Class 55 Rating, Add</i>	114.82	
40 05 19 00-1160 EA 10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,021.06	188.66
<i>For Class 52 Rating, Deduct</i>	-80.87	
<i>For Class 54 Rating, Add</i>	55.14	
<i>For Class 55 Rating, Add</i>	122.56	
40 05 19 00-1161 EA 10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,069.80	190.21
<i>For Class 52 Rating, Deduct</i>	-85.98	
<i>For Class 54 Rating, Add</i>	58.62	
<i>For Class 55 Rating, Add</i>	130.29	
40 05 19 00-1162 EA 10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,118.54	191.75
<i>For Class 52 Rating, Deduct</i>	-91.08	
<i>For Class 54 Rating, Add</i>	62.10	
<i>For Class 55 Rating, Add</i>	138.03	
40 05 19 00-1163 EA 10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,167.29	193.30
<i>For Class 52 Rating, Deduct</i>	-96.18	
<i>For Class 54 Rating, Add</i>	65.58	
<i>For Class 55 Rating, Add</i>	145.76	
40 05 19 00-1164 EA 10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,216.03	194.85
<i>For Class 52 Rating, Deduct</i>	-101.29	
<i>For Class 54 Rating, Add</i>	69.06	
<i>For Class 55 Rating, Add</i>	153.50	
40 05 19 00-1165 EA 10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,264.77	196.40
<i>For Class 52 Rating, Deduct</i>	-106.39	
<i>For Class 54 Rating, Add</i>	72.54	
<i>For Class 55 Rating, Add</i>	161.23	
40 05 19 00-1166 EA 10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,313.51	197.94
<i>For Class 52 Rating, Deduct</i>	-111.50	
<i>For Class 54 Rating, Add</i>	76.02	
<i>For Class 55 Rating, Add</i>	168.97	
40 05 19 00-1167 EA 10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,362.25	199.48
<i>For Class 52 Rating, Deduct</i>	-116.60	
<i>For Class 54 Rating, Add</i>	79.50	
<i>For Class 55 Rating, Add</i>	176.70	
40 05 19 00-1168 EA 10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,410.99	201.03
<i>For Class 52 Rating, Deduct</i>	-121.70	
<i>For Class 54 Rating, Add</i>	82.98	
<i>For Class 55 Rating, Add</i>	184.44	
40 05 19 00-1169 EA 10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,459.74	202.58
<i>For Class 52 Rating, Deduct</i>	-126.81	
<i>For Class 54 Rating, Add</i>	86.46	
<i>For Class 55 Rating, Add</i>	192.17	
40 05 19 00-1170 EA 10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,508.48	204.13
<i>For Class 52 Rating, Deduct</i>	-131.91	
<i>For Class 54 Rating, Add</i>	89.94	
<i>For Class 55 Rating, Add</i>	199.91	
40 05 19 00-1171 EA 10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,557.22	205.68
<i>For Class 52 Rating, Deduct</i>	-137.02	
<i>For Class 54 Rating, Add</i>	93.42	
<i>For Class 55 Rating, Add</i>	207.64	
40 05 19 00-1172 EA 10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,605.97	207.22
<i>For Class 52 Rating, Deduct</i>	-142.12	
<i>For Class 54 Rating, Add</i>	96.90	
<i>For Class 55 Rating, Add</i>	215.38	
40 05 19 00-1173 EA 10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,654.71	208.77
<i>For Class 52 Rating, Deduct</i>	-147.22	
<i>For Class 54 Rating, Add</i>	100.38	
<i>For Class 55 Rating, Add</i>	223.11	
40 05 19 00-1174 EA 10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,703.45	210.32
<i>For Class 52 Rating, Deduct</i>	-152.33	
<i>For Class 54 Rating, Add</i>	103.86	
<i>For Class 55 Rating, Add</i>	230.85	
40 05 19 00-1175 EA 10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,752.20	211.86
<i>For Class 52 Rating, Deduct</i>	-157.43	
<i>For Class 54 Rating, Add</i>	107.34	
<i>For Class 55 Rating, Add</i>	238.58	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1176	EA		10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,800.94	213.40
			<i>For Class 52 Rating, Deduct</i>	-162.54	
			<i>For Class 54 Rating, Add</i>	110.82	
			<i>For Class 55 Rating, Add</i>	246.32	
40 05 19 00-1177	EA		10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,849.69	214.95
			<i>For Class 52 Rating, Deduct</i>	-167.64	
			<i>For Class 54 Rating, Add</i>	114.30	
			<i>For Class 55 Rating, Add</i>	254.05	
40 05 19 00-1178	EA		10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,898.43	216.50
			<i>For Class 52 Rating, Deduct</i>	-172.74	
			<i>For Class 54 Rating, Add</i>	117.78	
			<i>For Class 55 Rating, Add</i>	261.79	
40 05 19 00-1179	EA		10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,947.17	218.05
			<i>For Class 52 Rating, Deduct</i>	-177.85	
			<i>For Class 54 Rating, Add</i>	121.26	
			<i>For Class 55 Rating, Add</i>	269.52	
40 05 19 00-1180	EA		10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,995.92	219.59
			<i>For Class 52 Rating, Deduct</i>	-182.95	
			<i>For Class 54 Rating, Add</i>	124.74	
			<i>For Class 55 Rating, Add</i>	277.26	
40 05 19 00-1181	EA		10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,044.66	221.14
			<i>For Class 52 Rating, Deduct</i>	-188.06	
			<i>For Class 54 Rating, Add</i>	128.22	
			<i>For Class 55 Rating, Add</i>	284.99	
40 05 19 00-1182	EA		10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,093.40	222.69
			<i>For Class 52 Rating, Deduct</i>	-193.16	
			<i>For Class 54 Rating, Add</i>	131.70	
			<i>For Class 55 Rating, Add</i>	292.73	
40 05 19 00-1183	EA		10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,142.15	224.22
			<i>For Class 52 Rating, Deduct</i>	-198.26	
			<i>For Class 54 Rating, Add</i>	135.18	
			<i>For Class 55 Rating, Add</i>	300.46	
40 05 19 00-1184	EA		10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,190.89	225.77
			<i>For Class 52 Rating, Deduct</i>	-203.37	
			<i>For Class 54 Rating, Add</i>	138.66	
			<i>For Class 55 Rating, Add</i>	308.19	
40 05 19 00-1185	EA		10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,239.63	227.32
			<i>For Class 52 Rating, Deduct</i>	-208.47	
			<i>For Class 54 Rating, Add</i>	142.14	
			<i>For Class 55 Rating, Add</i>	315.93	
40 05 19 00-1186	EA		10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,288.38	228.87
			<i>For Class 52 Rating, Deduct</i>	-213.58	
			<i>For Class 54 Rating, Add</i>	145.62	
			<i>For Class 55 Rating, Add</i>	323.66	
40 05 19 00-1187	EA		10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,337.12	230.42
			<i>For Class 52 Rating, Deduct</i>	-218.68	
			<i>For Class 54 Rating, Add</i>	149.10	
			<i>For Class 55 Rating, Add</i>	331.40	
40 05 19 00-1188	EA		10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,385.86	231.97
			<i>For Class 52 Rating, Deduct</i>	-223.78	
			<i>For Class 54 Rating, Add</i>	152.58	
			<i>For Class 55 Rating, Add</i>	339.13	
40 05 19 00-1189			12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1190	EA		12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	689.63	216.50
			<i>For Class 52 Rating, Deduct</i>	-39.78	
			<i>For Class 54 Rating, Add</i>	27.12	
			<i>For Class 55 Rating, Add</i>	60.28	
40 05 19 00-1191	EA		12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	750.37	218.05
			<i>For Class 52 Rating, Deduct</i>	-46.20	
			<i>For Class 54 Rating, Add</i>	31.50	
			<i>For Class 55 Rating, Add</i>	70.01	
40 05 19 00-1192	EA		12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	811.12	219.59
			<i>For Class 52 Rating, Deduct</i>	-52.62	
			<i>For Class 54 Rating, Add</i>	35.88	
			<i>For Class 55 Rating, Add</i>	79.75	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1193 EA 12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	871.86	221.14
<i>For Class 52 Rating, Deduct</i>	-59.05	
<i>For Class 54 Rating, Add</i>	40.26	
<i>For Class 55 Rating, Add</i>	89.48	
40 05 19 00-1194 EA 12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	932.60	222.69
<i>For Class 52 Rating, Deduct</i>	-65.47	
<i>For Class 54 Rating, Add</i>	44.64	
<i>For Class 55 Rating, Add</i>	99.22	
40 05 19 00-1195 EA 12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	993.35	224.22
<i>For Class 52 Rating, Deduct</i>	-71.90	
<i>For Class 54 Rating, Add</i>	49.02	
<i>For Class 55 Rating, Add</i>	108.96	
40 05 19 00-1196 EA 12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,054.09	225.77
<i>For Class 52 Rating, Deduct</i>	-78.32	
<i>For Class 54 Rating, Add</i>	53.40	
<i>For Class 55 Rating, Add</i>	118.69	
40 05 19 00-1197 EA 12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,114.83	227.32
<i>For Class 52 Rating, Deduct</i>	-84.74	
<i>For Class 54 Rating, Add</i>	57.78	
<i>For Class 55 Rating, Add</i>	128.43	
40 05 19 00-1198 EA 12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,175.58	228.87
<i>For Class 52 Rating, Deduct</i>	-91.17	
<i>For Class 54 Rating, Add</i>	62.16	
<i>For Class 55 Rating, Add</i>	138.16	
40 05 19 00-1199 EA 12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,236.32	230.42
<i>For Class 52 Rating, Deduct</i>	-97.59	
<i>For Class 54 Rating, Add</i>	66.54	
<i>For Class 55 Rating, Add</i>	147.90	
40 05 19 00-1200 EA 12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,297.06	231.97
<i>For Class 52 Rating, Deduct</i>	-104.02	
<i>For Class 54 Rating, Add</i>	70.92	
<i>For Class 55 Rating, Add</i>	157.63	
40 05 19 00-1201 EA 12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,357.80	233.51
<i>For Class 52 Rating, Deduct</i>	-110.44	
<i>For Class 54 Rating, Add</i>	75.30	
<i>For Class 55 Rating, Add</i>	167.37	
40 05 19 00-1202 EA 12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,418.54	235.05
<i>For Class 52 Rating, Deduct</i>	-116.86	
<i>For Class 54 Rating, Add</i>	79.68	
<i>For Class 55 Rating, Add</i>	177.10	
40 05 19 00-1203 EA 12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,479.28	236.60
<i>For Class 52 Rating, Deduct</i>	-123.29	
<i>For Class 54 Rating, Add</i>	84.06	
<i>For Class 55 Rating, Add</i>	186.84	
40 05 19 00-1204 EA 12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,540.03	238.15
<i>For Class 52 Rating, Deduct</i>	-129.71	
<i>For Class 54 Rating, Add</i>	88.44	
<i>For Class 55 Rating, Add</i>	196.57	
40 05 19 00-1205 EA 12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,600.77	239.70
<i>For Class 52 Rating, Deduct</i>	-136.14	
<i>For Class 54 Rating, Add</i>	92.82	
<i>For Class 55 Rating, Add</i>	206.31	
40 05 19 00-1206 EA 12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,661.51	241.24
<i>For Class 52 Rating, Deduct</i>	-142.56	
<i>For Class 54 Rating, Add</i>	97.20	
<i>For Class 55 Rating, Add</i>	216.04	
40 05 19 00-1207 EA 12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,722.26	242.79
<i>For Class 52 Rating, Deduct</i>	-148.98	
<i>For Class 54 Rating, Add</i>	101.58	
<i>For Class 55 Rating, Add</i>	225.78	
40 05 19 00-1208 EA 12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,783.00	244.34
<i>For Class 52 Rating, Deduct</i>	-155.41	
<i>For Class 54 Rating, Add</i>	105.96	
<i>For Class 55 Rating, Add</i>	235.51	
40 05 19 00-1209 EA 12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,843.74	245.88
<i>For Class 52 Rating, Deduct</i>	-161.83	
<i>For Class 54 Rating, Add</i>	110.34	
<i>For Class 55 Rating, Add</i>	245.25	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1210	EA		12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,904.49	247.42
			<i>For Class 52 Rating, Deduct</i>	-168.26	
			<i>For Class 54 Rating, Add</i>	114.72	
			<i>For Class 55 Rating, Add</i>	254.98	
40 05 19 00-1211	EA		12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,965.23	248.97
			<i>For Class 52 Rating, Deduct</i>	-174.68	
			<i>For Class 54 Rating, Add</i>	119.10	
			<i>For Class 55 Rating, Add</i>	264.72	
40 05 19 00-1212	EA		12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,025.98	250.52
			<i>For Class 52 Rating, Deduct</i>	-181.10	
			<i>For Class 54 Rating, Add</i>	123.48	
			<i>For Class 55 Rating, Add</i>	274.45	
40 05 19 00-1213	EA		12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,086.72	252.06
			<i>For Class 52 Rating, Deduct</i>	-187.53	
			<i>For Class 54 Rating, Add</i>	127.86	
			<i>For Class 55 Rating, Add</i>	284.19	
40 05 19 00-1214	EA		12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,147.46	253.61
			<i>For Class 52 Rating, Deduct</i>	-193.95	
			<i>For Class 54 Rating, Add</i>	132.24	
			<i>For Class 55 Rating, Add</i>	293.93	
40 05 19 00-1215	EA		12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,208.21	255.16
			<i>For Class 52 Rating, Deduct</i>	-200.38	
			<i>For Class 54 Rating, Add</i>	136.62	
			<i>For Class 55 Rating, Add</i>	303.66	
40 05 19 00-1216	EA		12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,268.95	256.71
			<i>For Class 52 Rating, Deduct</i>	-206.80	
			<i>For Class 54 Rating, Add</i>	141.00	
			<i>For Class 55 Rating, Add</i>	313.40	
40 05 19 00-1217	EA		12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,329.69	258.25
			<i>For Class 52 Rating, Deduct</i>	-213.22	
			<i>For Class 54 Rating, Add</i>	145.38	
			<i>For Class 55 Rating, Add</i>	323.13	
40 05 19 00-1218	EA		12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,390.44	259.79
			<i>For Class 52 Rating, Deduct</i>	-219.65	
			<i>For Class 54 Rating, Add</i>	149.76	
			<i>For Class 55 Rating, Add</i>	332.87	
40 05 19 00-1219	EA		12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,451.18	261.34
			<i>For Class 52 Rating, Deduct</i>	-226.07	
			<i>For Class 54 Rating, Add</i>	154.14	
			<i>For Class 55 Rating, Add</i>	342.60	
40 05 19 00-1220	EA		12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,511.92	262.89
			<i>For Class 52 Rating, Deduct</i>	-232.50	
			<i>For Class 54 Rating, Add</i>	158.52	
			<i>For Class 55 Rating, Add</i>	352.34	
40 05 19 00-1221	EA		12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,572.67	264.44
			<i>For Class 52 Rating, Deduct</i>	-238.92	
			<i>For Class 54 Rating, Add</i>	162.90	
			<i>For Class 55 Rating, Add</i>	362.07	
40 05 19 00-1222	EA		12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,633.41	265.99
			<i>For Class 52 Rating, Deduct</i>	-245.34	
			<i>For Class 54 Rating, Add</i>	167.28	
			<i>For Class 55 Rating, Add</i>	371.81	
40 05 19 00-1223	EA		12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,694.15	267.54
			<i>For Class 52 Rating, Deduct</i>	-251.77	
			<i>For Class 54 Rating, Add</i>	171.66	
			<i>For Class 55 Rating, Add</i>	381.54	
40 05 19 00-1224	EA		12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,754.89	269.08
			<i>For Class 52 Rating, Deduct</i>	-258.19	
			<i>For Class 54 Rating, Add</i>	176.04	
			<i>For Class 55 Rating, Add</i>	391.28	
40 05 19 00-1225	EA		12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,815.63	270.63
			<i>For Class 52 Rating, Deduct</i>	-264.62	
			<i>For Class 54 Rating, Add</i>	180.42	
			<i>For Class 55 Rating, Add</i>	401.01	
40 05 19 00-1226	EA		12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,876.37	272.17
			<i>For Class 52 Rating, Deduct</i>	-271.04	
			<i>For Class 54 Rating, Add</i>	184.80	
			<i>For Class 55 Rating, Add</i>	410.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1227 EA 12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,937.12	273.71
<i>For Class 52 Rating, Deduct</i>	-277.46	
<i>For Class 54 Rating, Add</i>	189.18	
<i>For Class 55 Rating, Add</i>	420.48	
40 05 19 00-1228 EA 12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,997.86	275.26
<i>For Class 52 Rating, Deduct</i>	-283.89	
<i>For Class 54 Rating, Add</i>	193.56	
<i>For Class 55 Rating, Add</i>	430.22	
40 05 19 00-1229 14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
(40 05 19 00-1028)		
40 05 19 00-1230 EA 14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	909.64	259.79
<i>For Class 52 Rating, Deduct</i>	-56.76	
<i>For Class 54 Rating, Add</i>	38.70	
<i>For Class 55 Rating, Add</i>	86.02	
40 05 19 00-1231 EA 14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	983.18	261.34
<i>For Class 52 Rating, Deduct</i>	-64.59	
<i>For Class 54 Rating, Add</i>	44.04	
<i>For Class 55 Rating, Add</i>	97.89	
40 05 19 00-1232 EA 14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,056.72	262.89
<i>For Class 52 Rating, Deduct</i>	-72.42	
<i>For Class 54 Rating, Add</i>	49.38	
<i>For Class 55 Rating, Add</i>	109.76	
40 05 19 00-1233 EA 14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,130.27	264.44
<i>For Class 52 Rating, Deduct</i>	-80.26	
<i>For Class 54 Rating, Add</i>	54.72	
<i>For Class 55 Rating, Add</i>	121.62	
40 05 19 00-1234 EA 14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,203.81	265.99
<i>For Class 52 Rating, Deduct</i>	-88.09	
<i>For Class 54 Rating, Add</i>	60.06	
<i>For Class 55 Rating, Add</i>	133.49	
40 05 19 00-1235 EA 14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,277.35	267.54
<i>For Class 52 Rating, Deduct</i>	-95.92	
<i>For Class 54 Rating, Add</i>	65.40	
<i>For Class 55 Rating, Add</i>	145.36	
40 05 19 00-1236 EA 14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,350.89	269.08
<i>For Class 52 Rating, Deduct</i>	-103.75	
<i>For Class 54 Rating, Add</i>	70.74	
<i>For Class 55 Rating, Add</i>	157.23	
40 05 19 00-1237 EA 14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,424.43	270.63
<i>For Class 52 Rating, Deduct</i>	-111.58	
<i>For Class 54 Rating, Add</i>	76.08	
<i>For Class 55 Rating, Add</i>	169.10	
40 05 19 00-1238 EA 14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,497.97	272.17
<i>For Class 52 Rating, Deduct</i>	-119.42	
<i>For Class 54 Rating, Add</i>	81.42	
<i>For Class 55 Rating, Add</i>	180.97	
40 05 19 00-1239 EA 14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,571.52	273.71
<i>For Class 52 Rating, Deduct</i>	-127.25	
<i>For Class 54 Rating, Add</i>	86.76	
<i>For Class 55 Rating, Add</i>	192.84	
40 05 19 00-1240 EA 14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,645.06	275.26
<i>For Class 52 Rating, Deduct</i>	-135.08	
<i>For Class 54 Rating, Add</i>	92.10	
<i>For Class 55 Rating, Add</i>	204.71	
40 05 19 00-1241 EA 14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,718.60	276.81
<i>For Class 52 Rating, Deduct</i>	-142.91	
<i>For Class 54 Rating, Add</i>	97.44	
<i>For Class 55 Rating, Add</i>	216.58	
40 05 19 00-1242 EA 14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,792.15	278.36
<i>For Class 52 Rating, Deduct</i>	-150.74	
<i>For Class 54 Rating, Add</i>	102.78	
<i>For Class 55 Rating, Add</i>	228.45	
40 05 19 00-1243 EA 14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,865.69	279.90
<i>For Class 52 Rating, Deduct</i>	-158.58	
<i>For Class 54 Rating, Add</i>	108.12	
<i>For Class 55 Rating, Add</i>	240.31	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1244	EA		14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,939.24	281.45
			<i>For Class 52 Rating, Deduct</i>	-166.41	
			<i>For Class 54 Rating, Add</i>	113.46	
			<i>For Class 55 Rating, Add</i>	252.18	
40 05 19 00-1245	EA		14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,012.78	282.99
			<i>For Class 52 Rating, Deduct</i>	-174.24	
			<i>For Class 54 Rating, Add</i>	118.80	
			<i>For Class 55 Rating, Add</i>	264.05	
40 05 19 00-1246	EA		14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,086.32	284.53
			<i>For Class 52 Rating, Deduct</i>	-182.07	
			<i>For Class 54 Rating, Add</i>	124.14	
			<i>For Class 55 Rating, Add</i>	275.92	
40 05 19 00-1247	EA		14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,159.87	286.08
			<i>For Class 52 Rating, Deduct</i>	-189.90	
			<i>For Class 54 Rating, Add</i>	129.48	
			<i>For Class 55 Rating, Add</i>	287.79	
40 05 19 00-1248	EA		14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,233.41	287.63
			<i>For Class 52 Rating, Deduct</i>	-197.74	
			<i>For Class 54 Rating, Add</i>	134.82	
			<i>For Class 55 Rating, Add</i>	299.66	
40 05 19 00-1249	EA		14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,306.95	289.18
			<i>For Class 52 Rating, Deduct</i>	-205.57	
			<i>For Class 54 Rating, Add</i>	140.16	
			<i>For Class 55 Rating, Add</i>	311.53	
40 05 19 00-1250	EA		14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,380.50	290.73
			<i>For Class 52 Rating, Deduct</i>	-213.40	
			<i>For Class 54 Rating, Add</i>	145.50	
			<i>For Class 55 Rating, Add</i>	323.40	
40 05 19 00-1251	EA		14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,454.04	292.28
			<i>For Class 52 Rating, Deduct</i>	-221.23	
			<i>For Class 54 Rating, Add</i>	150.84	
			<i>For Class 55 Rating, Add</i>	335.27	
40 05 19 00-1252	EA		14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,527.58	293.82
			<i>For Class 52 Rating, Deduct</i>	-229.06	
			<i>For Class 54 Rating, Add</i>	156.18	
			<i>For Class 55 Rating, Add</i>	347.14	
40 05 19 00-1253	EA		14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,601.13	295.36
			<i>For Class 52 Rating, Deduct</i>	-236.90	
			<i>For Class 54 Rating, Add</i>	161.52	
			<i>For Class 55 Rating, Add</i>	359.01	
40 05 19 00-1254	EA		14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,674.67	296.91
			<i>For Class 52 Rating, Deduct</i>	-244.73	
			<i>For Class 54 Rating, Add</i>	166.86	
			<i>For Class 55 Rating, Add</i>	370.87	
40 05 19 00-1255	EA		14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,748.21	298.46
			<i>For Class 52 Rating, Deduct</i>	-252.56	
			<i>For Class 54 Rating, Add</i>	172.20	
			<i>For Class 55 Rating, Add</i>	382.74	
40 05 19 00-1256	EA		14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,821.76	300.01
			<i>For Class 52 Rating, Deduct</i>	-260.39	
			<i>For Class 54 Rating, Add</i>	177.54	
			<i>For Class 55 Rating, Add</i>	394.61	
40 05 19 00-1257	EA		14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,895.30	301.55
			<i>For Class 52 Rating, Deduct</i>	-268.22	
			<i>For Class 54 Rating, Add</i>	182.88	
			<i>For Class 55 Rating, Add</i>	406.48	
40 05 19 00-1258	EA		14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,968.84	303.10
			<i>For Class 52 Rating, Deduct</i>	-276.06	
			<i>For Class 54 Rating, Add</i>	188.22	
			<i>For Class 55 Rating, Add</i>	418.35	
40 05 19 00-1259	EA		14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,042.38	304.65
			<i>For Class 52 Rating, Deduct</i>	-283.89	
			<i>For Class 54 Rating, Add</i>	193.56	
			<i>For Class 55 Rating, Add</i>	430.22	
40 05 19 00-1260	EA		14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,115.92	306.20
			<i>For Class 52 Rating, Deduct</i>	-291.72	
			<i>For Class 54 Rating, Add</i>	198.90	
			<i>For Class 55 Rating, Add</i>	442.09	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40 05 19
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1261 EA 14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,189.46	307.73
For Class 52 Rating, Deduct	-299.55	
For Class 54 Rating, Add	204.24	
For Class 55 Rating, Add	453.96	
40 05 19 00-1262 EA 14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,263.01	309.28
For Class 52 Rating, Deduct	-307.38	
For Class 54 Rating, Add	209.58	
For Class 55 Rating, Add	465.83	
40 05 19 00-1263 EA 14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,336.55	310.83
For Class 52 Rating, Deduct	-315.22	
For Class 54 Rating, Add	214.92	
For Class 55 Rating, Add	477.70	
40 05 19 00-1264 EA 14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,410.09	312.37
For Class 52 Rating, Deduct	-323.05	
For Class 54 Rating, Add	220.26	
For Class 55 Rating, Add	489.56	
40 05 19 00-1265 EA 14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,483.64	313.92
For Class 52 Rating, Deduct	-330.88	
For Class 54 Rating, Add	225.60	
For Class 55 Rating, Add	501.43	
40 05 19 00-1266 EA 14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,557.18	315.47
For Class 52 Rating, Deduct	-338.71	
For Class 54 Rating, Add	230.94	
For Class 55 Rating, Add	513.30	
40 05 19 00-1267 EA 14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,630.73	317.02
For Class 52 Rating, Deduct	-346.54	
For Class 54 Rating, Add	236.28	
For Class 55 Rating, Add	525.17	
40 05 19 00-1268 16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-1028)</small>		
40 05 19 00-1269 EA 16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,060.27	296.91
For Class 52 Rating, Deduct	-67.14	
For Class 54 Rating, Add	45.78	
For Class 55 Rating, Add	101.75	
40 05 19 00-1270 EA 16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,145.81	298.46
For Class 52 Rating, Deduct	-76.30	
For Class 54 Rating, Add	52.02	
For Class 55 Rating, Add	115.62	
40 05 19 00-1271 EA 16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,231.36	300.01
For Class 52 Rating, Deduct	-85.45	
For Class 54 Rating, Add	58.26	
For Class 55 Rating, Add	129.49	
40 05 19 00-1272 EA 16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,316.90	301.55
For Class 52 Rating, Deduct	-94.60	
For Class 54 Rating, Add	64.50	
For Class 55 Rating, Add	143.36	
40 05 19 00-1273 EA 16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,402.44	303.10
For Class 52 Rating, Deduct	-103.75	
For Class 54 Rating, Add	70.74	
For Class 55 Rating, Add	157.23	
40 05 19 00-1274 EA 16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,487.98	304.65
For Class 52 Rating, Deduct	-112.90	
For Class 54 Rating, Add	76.98	
For Class 55 Rating, Add	171.10	
40 05 19 00-1275 EA 16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,573.52	306.20
For Class 52 Rating, Deduct	-122.06	
For Class 54 Rating, Add	83.22	
For Class 55 Rating, Add	184.97	
40 05 19 00-1276 EA 16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,659.06	307.73
For Class 52 Rating, Deduct	-131.21	
For Class 54 Rating, Add	89.46	
For Class 55 Rating, Add	198.84	
40 05 19 00-1277 EA 16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,744.61	309.28
For Class 52 Rating, Deduct	-140.36	
For Class 54 Rating, Add	95.70	
For Class 55 Rating, Add	212.71	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1278	EA		16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,830.15	310.83
			<i>For Class 52 Rating, Deduct</i>	-149.51	
			<i>For Class 54 Rating, Add</i>	101.94	
			<i>For Class 55 Rating, Add</i>	226.58	
40 05 19 00-1279	EA		16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,915.69	312.37
			<i>For Class 52 Rating, Deduct</i>	-158.66	
			<i>For Class 54 Rating, Add</i>	108.18	
			<i>For Class 55 Rating, Add</i>	240.45	
40 05 19 00-1280	EA		16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,001.24	313.92
			<i>For Class 52 Rating, Deduct</i>	-167.82	
			<i>For Class 54 Rating, Add</i>	114.42	
			<i>For Class 55 Rating, Add</i>	254.32	
40 05 19 00-1281	EA		16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,086.78	315.47
			<i>For Class 52 Rating, Deduct</i>	-176.97	
			<i>For Class 54 Rating, Add</i>	120.66	
			<i>For Class 55 Rating, Add</i>	268.19	
40 05 19 00-1282	EA		16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,172.33	317.02
			<i>For Class 52 Rating, Deduct</i>	-186.12	
			<i>For Class 54 Rating, Add</i>	126.90	
			<i>For Class 55 Rating, Add</i>	282.06	
40 05 19 00-1283	EA		16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,257.87	318.56
			<i>For Class 52 Rating, Deduct</i>	-195.27	
			<i>For Class 54 Rating, Add</i>	133.14	
			<i>For Class 55 Rating, Add</i>	295.93	
40 05 19 00-1284	EA		16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,343.41	320.10
			<i>For Class 52 Rating, Deduct</i>	-204.42	
			<i>For Class 54 Rating, Add</i>	139.38	
			<i>For Class 55 Rating, Add</i>	309.80	
40 05 19 00-1285	EA		16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,428.96	321.65
			<i>For Class 52 Rating, Deduct</i>	-213.58	
			<i>For Class 54 Rating, Add</i>	145.62	
			<i>For Class 55 Rating, Add</i>	323.66	
40 05 19 00-1286	EA		16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,514.50	323.20
			<i>For Class 52 Rating, Deduct</i>	-222.73	
			<i>For Class 54 Rating, Add</i>	151.86	
			<i>For Class 55 Rating, Add</i>	337.53	
40 05 19 00-1287	EA		16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,600.04	324.75
			<i>For Class 52 Rating, Deduct</i>	-231.88	
			<i>For Class 54 Rating, Add</i>	158.10	
			<i>For Class 55 Rating, Add</i>	351.40	
40 05 19 00-1288	EA		16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,685.59	326.30
			<i>For Class 52 Rating, Deduct</i>	-241.03	
			<i>For Class 54 Rating, Add</i>	164.34	
			<i>For Class 55 Rating, Add</i>	365.27	
40 05 19 00-1289	EA		16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,771.13	327.85
			<i>For Class 52 Rating, Deduct</i>	-250.18	
			<i>For Class 54 Rating, Add</i>	170.58	
			<i>For Class 55 Rating, Add</i>	379.14	
40 05 19 00-1290	EA		16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,856.67	329.39
			<i>For Class 52 Rating, Deduct</i>	-259.34	
			<i>For Class 54 Rating, Add</i>	176.82	
			<i>For Class 55 Rating, Add</i>	393.01	
40 05 19 00-1291	EA		16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,942.22	330.93
			<i>For Class 52 Rating, Deduct</i>	-268.49	
			<i>For Class 54 Rating, Add</i>	183.06	
			<i>For Class 55 Rating, Add</i>	406.88	
40 05 19 00-1292	EA		16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,027.76	332.48
			<i>For Class 52 Rating, Deduct</i>	-277.64	
			<i>For Class 54 Rating, Add</i>	189.30	
			<i>For Class 55 Rating, Add</i>	420.75	
40 05 19 00-1293	EA		16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,113.30	334.03
			<i>For Class 52 Rating, Deduct</i>	-286.79	
			<i>For Class 54 Rating, Add</i>	195.54	
			<i>For Class 55 Rating, Add</i>	434.62	
40 05 19 00-1294	EA		16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,198.85	335.57
			<i>For Class 52 Rating, Deduct</i>	-295.94	
			<i>For Class 54 Rating, Add</i>	201.78	
			<i>For Class 55 Rating, Add</i>	448.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1295 EA 16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,284.39	337.12
For Class 52 Rating, Deduct	-305.10	
For Class 54 Rating, Add	208.02	
For Class 55 Rating, Add	462.36	
40 05 19 00-1296 EA 16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,369.93	338.67
For Class 52 Rating, Deduct	-314.25	
For Class 54 Rating, Add	214.26	
For Class 55 Rating, Add	476.23	
40 05 19 00-1297 EA 16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,455.48	340.21
For Class 52 Rating, Deduct	-323.40	
For Class 54 Rating, Add	220.50	
For Class 55 Rating, Add	490.10	
40 05 19 00-1298 EA 16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,541.01	341.76
For Class 52 Rating, Deduct	-332.55	
For Class 54 Rating, Add	226.74	
For Class 55 Rating, Add	503.97	
40 05 19 00-1299 EA 16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,626.55	343.30
For Class 52 Rating, Deduct	-341.70	
For Class 54 Rating, Add	232.98	
For Class 55 Rating, Add	517.84	
40 05 19 00-1300 EA 16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,712.10	344.85
For Class 52 Rating, Deduct	-350.86	
For Class 54 Rating, Add	239.22	
For Class 55 Rating, Add	531.71	
40 05 19 00-1301 EA 16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,797.64	346.39
For Class 52 Rating, Deduct	-360.01	
For Class 54 Rating, Add	245.46	
For Class 55 Rating, Add	545.58	
40 05 19 00-1302 EA 16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,883.19	347.94
For Class 52 Rating, Deduct	-369.16	
For Class 54 Rating, Add	251.70	
For Class 55 Rating, Add	559.45	
40 05 19 00-1303 EA 16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,968.73	349.49
For Class 52 Rating, Deduct	-378.31	
For Class 54 Rating, Add	257.94	
For Class 55 Rating, Add	573.31	
40 05 19 00-1304 EA 16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,054.27	351.04
For Class 52 Rating, Deduct	-387.46	
For Class 54 Rating, Add	264.18	
For Class 55 Rating, Add	587.18	
40 05 19 00-1305 EA 16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,139.82	352.59
For Class 52 Rating, Deduct	-396.62	
For Class 54 Rating, Add	270.42	
For Class 55 Rating, Add	601.05	
40 05 19 00-1306 EA 16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,225.36	354.13
For Class 52 Rating, Deduct	-405.77	
For Class 54 Rating, Add	276.66	
For Class 55 Rating, Add	614.92	
40 05 19 00-1307 18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1308 EA 18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,223.04	334.64
For Class 52 Rating, Deduct	-78.76	
For Class 54 Rating, Add	53.70	
For Class 55 Rating, Add	119.36	
40 05 19 00-1309 EA 18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,321.39	336.19
For Class 52 Rating, Deduct	-89.32	
For Class 54 Rating, Add	60.90	
For Class 55 Rating, Add	135.36	
40 05 19 00-1310 EA 18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,419.73	337.74
For Class 52 Rating, Deduct	-99.88	
For Class 54 Rating, Add	68.10	
For Class 55 Rating, Add	151.36	
40 05 19 00-1311 EA 18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,518.07	339.29
For Class 52 Rating, Deduct	-110.44	
For Class 54 Rating, Add	75.30	
For Class 55 Rating, Add	167.37	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1312	EA		18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,616.41	340.84
			For Class 52 Rating, Deduct	-121.00	
			For Class 54 Rating, Add	82.50	
			For Class 55 Rating, Add	183.37	
40 05 19 00-1313	EA		18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,714.75	342.38
			For Class 52 Rating, Deduct	-131.56	
			For Class 54 Rating, Add	89.70	
			For Class 55 Rating, Add	199.37	
40 05 19 00-1314	EA		18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,813.09	343.92
			For Class 52 Rating, Deduct	-142.12	
			For Class 54 Rating, Add	96.90	
			For Class 55 Rating, Add	215.38	
40 05 19 00-1315	EA		18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,911.44	345.47
			For Class 52 Rating, Deduct	-152.68	
			For Class 54 Rating, Add	104.10	
			For Class 55 Rating, Add	231.38	
40 05 19 00-1316	EA		18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,009.78	347.02
			For Class 52 Rating, Deduct	-163.24	
			For Class 54 Rating, Add	111.30	
			For Class 55 Rating, Add	247.38	
40 05 19 00-1317	EA		18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,108.12	348.56
			For Class 52 Rating, Deduct	-173.80	
			For Class 54 Rating, Add	118.50	
			For Class 55 Rating, Add	263.39	
40 05 19 00-1318	EA		18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,206.47	350.11
			For Class 52 Rating, Deduct	-184.36	
			For Class 54 Rating, Add	125.70	
			For Class 55 Rating, Add	279.39	
40 05 19 00-1319	EA		18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,304.81	351.66
			For Class 52 Rating, Deduct	-194.92	
			For Class 54 Rating, Add	132.90	
			For Class 55 Rating, Add	295.39	
40 05 19 00-1320	EA		18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,403.15	353.20
			For Class 52 Rating, Deduct	-205.48	
			For Class 54 Rating, Add	140.10	
			For Class 55 Rating, Add	311.40	
40 05 19 00-1321	EA		18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,501.50	354.75
			For Class 52 Rating, Deduct	-216.04	
			For Class 54 Rating, Add	147.30	
			For Class 55 Rating, Add	327.40	
40 05 19 00-1322	EA		18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,599.84	356.29
			For Class 52 Rating, Deduct	-226.60	
			For Class 54 Rating, Add	154.50	
			For Class 55 Rating, Add	343.40	
40 05 19 00-1323	EA		18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,698.18	357.84
			For Class 52 Rating, Deduct	-237.16	
			For Class 54 Rating, Add	161.70	
			For Class 55 Rating, Add	359.41	
40 05 19 00-1324	EA		18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,796.53	359.38
			For Class 52 Rating, Deduct	-247.72	
			For Class 54 Rating, Add	168.90	
			For Class 55 Rating, Add	375.41	
40 05 19 00-1325	EA		18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,894.87	360.93
			For Class 52 Rating, Deduct	-258.28	
			For Class 54 Rating, Add	176.10	
			For Class 55 Rating, Add	391.41	
40 05 19 00-1326	EA		18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,993.22	362.48
			For Class 52 Rating, Deduct	-268.84	
			For Class 54 Rating, Add	183.30	
			For Class 55 Rating, Add	407.41	
40 05 19 00-1327	EA		18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,091.56	364.03
			For Class 52 Rating, Deduct	-279.40	
			For Class 54 Rating, Add	190.50	
			For Class 55 Rating, Add	423.42	
40 05 19 00-1328	EA		18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,189.90	365.58
			For Class 52 Rating, Deduct	-289.96	
			For Class 54 Rating, Add	197.70	
			For Class 55 Rating, Add	439.42	



Process Interconnections	40
Common Work Results For Process Interconnections	40 05
Ductile Iron Process Pipe	40 05 19

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1329 EA 18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,288.25	367.13
<i>For Class 52 Rating, Deduct</i>	-300.52	
<i>For Class 54 Rating, Add</i>	204.90	
<i>For Class 55 Rating, Add</i>	455.42	
40 05 19 00-1330 EA 18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,386.59	368.66
<i>For Class 52 Rating, Deduct</i>	-311.08	
<i>For Class 54 Rating, Add</i>	212.10	
<i>For Class 55 Rating, Add</i>	471.43	
40 05 19 00-1331 EA 18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,484.93	370.21
<i>For Class 52 Rating, Deduct</i>	-321.64	
<i>For Class 54 Rating, Add</i>	219.30	
<i>For Class 55 Rating, Add</i>	487.43	
40 05 19 00-1332 EA 18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,583.28	371.76
<i>For Class 52 Rating, Deduct</i>	-332.20	
<i>For Class 54 Rating, Add</i>	226.50	
<i>For Class 55 Rating, Add</i>	503.43	
40 05 19 00-1333 EA 18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,681.62	373.31
<i>For Class 52 Rating, Deduct</i>	-342.76	
<i>For Class 54 Rating, Add</i>	233.70	
<i>For Class 55 Rating, Add</i>	519.44	
40 05 19 00-1334 EA 18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,779.96	374.86
<i>For Class 52 Rating, Deduct</i>	-353.32	
<i>For Class 54 Rating, Add</i>	240.90	
<i>For Class 55 Rating, Add</i>	535.44	
40 05 19 00-1335 EA 18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,878.31	376.40
<i>For Class 52 Rating, Deduct</i>	-363.88	
<i>For Class 54 Rating, Add</i>	248.10	
<i>For Class 55 Rating, Add</i>	551.44	
40 05 19 00-1336 EA 18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,976.64	377.95
<i>For Class 52 Rating, Deduct</i>	-374.44	
<i>For Class 54 Rating, Add</i>	255.30	
<i>For Class 55 Rating, Add</i>	567.45	
40 05 19 00-1337 EA 18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,074.98	379.49
<i>For Class 52 Rating, Deduct</i>	-385.00	
<i>For Class 54 Rating, Add</i>	262.50	
<i>For Class 55 Rating, Add</i>	583.45	
40 05 19 00-1338 EA 18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,173.33	381.03
<i>For Class 52 Rating, Deduct</i>	-395.56	
<i>For Class 54 Rating, Add</i>	269.70	
<i>For Class 55 Rating, Add</i>	599.45	
40 05 19 00-1339 EA 18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,271.67	382.58
<i>For Class 52 Rating, Deduct</i>	-406.12	
<i>For Class 54 Rating, Add</i>	276.90	
<i>For Class 55 Rating, Add</i>	615.46	
40 05 19 00-1340 EA 18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,370.01	384.13
<i>For Class 52 Rating, Deduct</i>	-416.68	
<i>For Class 54 Rating, Add</i>	284.10	
<i>For Class 55 Rating, Add</i>	631.46	
40 05 19 00-1341 EA 18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,468.36	385.68
<i>For Class 52 Rating, Deduct</i>	-427.24	
<i>For Class 54 Rating, Add</i>	291.30	
<i>For Class 55 Rating, Add</i>	647.46	
40 05 19 00-1342 EA 18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,566.70	387.22
<i>For Class 52 Rating, Deduct</i>	-437.80	
<i>For Class 54 Rating, Add</i>	298.50	
<i>For Class 55 Rating, Add</i>	663.47	
40 05 19 00-1343 EA 18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,665.04	388.77
<i>For Class 52 Rating, Deduct</i>	-448.36	
<i>For Class 54 Rating, Add</i>	305.70	
<i>For Class 55 Rating, Add</i>	679.47	
40 05 19 00-1344 EA 18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,763.39	390.32
<i>For Class 52 Rating, Deduct</i>	-458.92	
<i>For Class 54 Rating, Add</i>	312.90	
<i>For Class 55 Rating, Add</i>	695.47	
40 05 19 00-1345 EA 18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,861.73	391.86
<i>For Class 52 Rating, Deduct</i>	-469.48	
<i>For Class 54 Rating, Add</i>	320.10	
<i>For Class 55 Rating, Add</i>	711.48	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1346		20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1347	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,421.93	381.96
		For Class 52 Rating, Deduct	-92.75	
		For Class 54 Rating, Add	63.24	
		For Class 55 Rating, Add	140.56	
40 05 19 00-1348	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,534.68	383.51
		For Class 52 Rating, Deduct	-104.90	
		For Class 54 Rating, Add	71.52	
		For Class 55 Rating, Add	158.97	
40 05 19 00-1349	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,647.42	385.06
		For Class 52 Rating, Deduct	-117.04	
		For Class 54 Rating, Add	79.80	
		For Class 55 Rating, Add	177.37	
40 05 19 00-1350	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,760.16	386.61
		For Class 52 Rating, Deduct	-129.18	
		For Class 54 Rating, Add	88.08	
		For Class 55 Rating, Add	195.77	
40 05 19 00-1351	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,872.91	388.16
		For Class 52 Rating, Deduct	-141.33	
		For Class 54 Rating, Add	96.36	
		For Class 55 Rating, Add	214.18	
40 05 19 00-1352	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,985.65	389.70
		For Class 52 Rating, Deduct	-153.47	
		For Class 54 Rating, Add	104.64	
		For Class 55 Rating, Add	232.58	
40 05 19 00-1353	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,098.39	391.24
		For Class 52 Rating, Deduct	-165.62	
		For Class 54 Rating, Add	112.92	
		For Class 55 Rating, Add	250.98	
40 05 19 00-1354	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,211.14	392.79
		For Class 52 Rating, Deduct	-177.76	
		For Class 54 Rating, Add	121.20	
		For Class 55 Rating, Add	269.39	
40 05 19 00-1355	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,323.88	394.34
		For Class 52 Rating, Deduct	-189.90	
		For Class 54 Rating, Add	129.48	
		For Class 55 Rating, Add	287.79	
40 05 19 00-1356	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,436.62	395.88
		For Class 52 Rating, Deduct	-202.05	
		For Class 54 Rating, Add	137.76	
		For Class 55 Rating, Add	306.19	
40 05 19 00-1357	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,549.37	397.43
		For Class 52 Rating, Deduct	-214.19	
		For Class 54 Rating, Add	146.04	
		For Class 55 Rating, Add	324.60	
40 05 19 00-1358	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,662.11	398.98
		For Class 52 Rating, Deduct	-226.34	
		For Class 54 Rating, Add	154.32	
		For Class 55 Rating, Add	343.00	
40 05 19 00-1359	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,774.85	400.52
		For Class 52 Rating, Deduct	-238.48	
		For Class 54 Rating, Add	162.60	
		For Class 55 Rating, Add	361.41	
40 05 19 00-1360	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,887.60	402.07
		For Class 52 Rating, Deduct	-250.62	
		For Class 54 Rating, Add	170.88	
		For Class 55 Rating, Add	379.81	
40 05 19 00-1361	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,000.34	403.61
		For Class 52 Rating, Deduct	-262.77	
		For Class 54 Rating, Add	179.16	
		For Class 55 Rating, Add	398.21	
40 05 19 00-1362	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,113.08	405.16
		For Class 52 Rating, Deduct	-274.91	
		For Class 54 Rating, Add	187.44	
		For Class 55 Rating, Add	416.62	



Process Interconnections	40
Common Work Results For Process Interconnections	40 05
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1363 EA 20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,225.83	406.70
<i>For Class 52 Rating, Deduct</i>	-287.06	
<i>For Class 54 Rating, Add</i>	195.72	
<i>For Class 55 Rating, Add</i>	435.02	
40 05 19 00-1364 EA 20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,338.57	408.25
<i>For Class 52 Rating, Deduct</i>	-299.20	
<i>For Class 54 Rating, Add</i>	204.00	
<i>For Class 55 Rating, Add</i>	453.42	
40 05 19 00-1365 EA 20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,451.31	409.80
<i>For Class 52 Rating, Deduct</i>	-311.34	
<i>For Class 54 Rating, Add</i>	212.28	
<i>For Class 55 Rating, Add</i>	471.83	
40 05 19 00-1366 EA 20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,564.06	411.35
<i>For Class 52 Rating, Deduct</i>	-323.49	
<i>For Class 54 Rating, Add</i>	220.56	
<i>For Class 55 Rating, Add</i>	490.23	
40 05 19 00-1367 EA 20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,676.79	412.90
<i>For Class 52 Rating, Deduct</i>	-335.63	
<i>For Class 54 Rating, Add</i>	228.84	
<i>For Class 55 Rating, Add</i>	508.64	
40 05 19 00-1368 EA 20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,789.54	414.44
<i>For Class 52 Rating, Deduct</i>	-347.78	
<i>For Class 54 Rating, Add</i>	237.12	
<i>For Class 55 Rating, Add</i>	527.04	
40 05 19 00-1369 EA 20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,902.28	415.98
<i>For Class 52 Rating, Deduct</i>	-359.92	
<i>For Class 54 Rating, Add</i>	245.40	
<i>For Class 55 Rating, Add</i>	545.44	
40 05 19 00-1370 EA 20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,015.02	417.53
<i>For Class 52 Rating, Deduct</i>	-372.06	
<i>For Class 54 Rating, Add</i>	253.68	
<i>For Class 55 Rating, Add</i>	563.85	
40 05 19 00-1371 EA 20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,127.77	419.08
<i>For Class 52 Rating, Deduct</i>	-384.21	
<i>For Class 54 Rating, Add</i>	261.96	
<i>For Class 55 Rating, Add</i>	582.25	
40 05 19 00-1372 EA 20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,240.51	420.63
<i>For Class 52 Rating, Deduct</i>	-396.35	
<i>For Class 54 Rating, Add</i>	270.24	
<i>For Class 55 Rating, Add</i>	600.65	
40 05 19 00-1373 EA 20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,353.25	422.18
<i>For Class 52 Rating, Deduct</i>	-408.50	
<i>For Class 54 Rating, Add</i>	278.52	
<i>For Class 55 Rating, Add</i>	619.06	
40 05 19 00-1374 EA 20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,466.00	423.72
<i>For Class 52 Rating, Deduct</i>	-420.64	
<i>For Class 54 Rating, Add</i>	286.80	
<i>For Class 55 Rating, Add</i>	637.46	
40 05 19 00-1375 EA 20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,578.74	425.27
<i>For Class 52 Rating, Deduct</i>	-432.78	
<i>For Class 54 Rating, Add</i>	295.08	
<i>For Class 55 Rating, Add</i>	655.86	
40 05 19 00-1376 EA 20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,691.48	426.82
<i>For Class 52 Rating, Deduct</i>	-444.93	
<i>For Class 54 Rating, Add</i>	303.36	
<i>For Class 55 Rating, Add</i>	674.27	
40 05 19 00-1377 EA 20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,804.23	428.35
<i>For Class 52 Rating, Deduct</i>	-457.07	
<i>For Class 54 Rating, Add</i>	311.64	
<i>For Class 55 Rating, Add</i>	692.67	
40 05 19 00-1378 EA 20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,916.97	429.90
<i>For Class 52 Rating, Deduct</i>	-469.22	
<i>For Class 54 Rating, Add</i>	319.92	
<i>For Class 55 Rating, Add</i>	711.08	
40 05 19 00-1379 EA 20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,029.71	431.45
<i>For Class 52 Rating, Deduct</i>	-481.36	
<i>For Class 54 Rating, Add</i>	328.20	
<i>For Class 55 Rating, Add</i>	729.48	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1380	EA		20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,142.46	433.00
			<i>For Class 52 Rating, Deduct</i>	-493.50	
			<i>For Class 54 Rating, Add</i>	336.48	
			<i>For Class 55 Rating, Add</i>	747.88	
40 05 19 00-1381	EA		20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,255.20	434.54
			<i>For Class 52 Rating, Deduct</i>	-505.65	
			<i>For Class 54 Rating, Add</i>	344.76	
			<i>For Class 55 Rating, Add</i>	766.29	
40 05 19 00-1382	EA		20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,367.94	436.09
			<i>For Class 52 Rating, Deduct</i>	-517.79	
			<i>For Class 54 Rating, Add</i>	353.04	
			<i>For Class 55 Rating, Add</i>	784.69	
40 05 19 00-1383	EA		20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,480.69	437.64
			<i>For Class 52 Rating, Deduct</i>	-529.94	
			<i>For Class 54 Rating, Add</i>	361.32	
			<i>For Class 55 Rating, Add</i>	803.09	
40 05 19 00-1384	EA		20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,593.43	439.17
			<i>For Class 52 Rating, Deduct</i>	-542.08	
			<i>For Class 54 Rating, Add</i>	369.60	
			<i>For Class 55 Rating, Add</i>	821.50	
40 05 19 00-1385			24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1386	EA		24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,736.97	451.55
			<i>For Class 52 Rating, Deduct</i>	-115.81	
			<i>For Class 54 Rating, Add</i>	78.96	
			<i>For Class 55 Rating, Add</i>	175.50	
40 05 19 00-1387	EA		24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,876.11	453.10
			<i>For Class 52 Rating, Deduct</i>	-130.86	
			<i>For Class 54 Rating, Add</i>	89.22	
			<i>For Class 55 Rating, Add</i>	198.31	
40 05 19 00-1388	EA		24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,015.26	454.65
			<i>For Class 52 Rating, Deduct</i>	-145.90	
			<i>For Class 54 Rating, Add</i>	99.48	
			<i>For Class 55 Rating, Add</i>	221.11	
40 05 19 00-1389	EA		24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,154.40	456.19
			<i>For Class 52 Rating, Deduct</i>	-160.95	
			<i>For Class 54 Rating, Add</i>	109.74	
			<i>For Class 55 Rating, Add</i>	243.92	
40 05 19 00-1390	EA		24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,293.54	457.74
			<i>For Class 52 Rating, Deduct</i>	-176.00	
			<i>For Class 54 Rating, Add</i>	120.00	
			<i>For Class 55 Rating, Add</i>	266.72	
40 05 19 00-1391	EA		24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,432.69	459.29
			<i>For Class 52 Rating, Deduct</i>	-191.05	
			<i>For Class 54 Rating, Add</i>	130.26	
			<i>For Class 55 Rating, Add</i>	289.52	
40 05 19 00-1392	EA		24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,571.83	460.84
			<i>For Class 52 Rating, Deduct</i>	-206.10	
			<i>For Class 54 Rating, Add</i>	140.52	
			<i>For Class 55 Rating, Add</i>	312.33	
40 05 19 00-1393	EA		24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,710.97	462.38
			<i>For Class 52 Rating, Deduct</i>	-221.14	
			<i>For Class 54 Rating, Add</i>	150.78	
			<i>For Class 55 Rating, Add</i>	335.13	
40 05 19 00-1394	EA		24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,850.12	463.92
			<i>For Class 52 Rating, Deduct</i>	-236.19	
			<i>For Class 54 Rating, Add</i>	161.04	
			<i>For Class 55 Rating, Add</i>	357.94	
40 05 19 00-1395	EA		24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,989.26	465.47
			<i>For Class 52 Rating, Deduct</i>	-251.24	
			<i>For Class 54 Rating, Add</i>	171.30	
			<i>For Class 55 Rating, Add</i>	380.74	
40 05 19 00-1396	EA		24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,128.40	467.01
			<i>For Class 52 Rating, Deduct</i>	-266.29	
			<i>For Class 54 Rating, Add</i>	181.56	
			<i>For Class 55 Rating, Add</i>	403.55	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1397 EA 24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,267.55	468.56
<i>For Class 52 Rating, Deduct</i>	-281.34	
<i>For Class 54 Rating, Add</i>	191.82	
<i>For Class 55 Rating, Add</i>	426.35	
40 05 19 00-1398 EA 24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,406.69	470.11
<i>For Class 52 Rating, Deduct</i>	-296.38	
<i>For Class 54 Rating, Add</i>	202.08	
<i>For Class 55 Rating, Add</i>	449.16	
40 05 19 00-1399 EA 24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,545.83	471.66
<i>For Class 52 Rating, Deduct</i>	-311.43	
<i>For Class 54 Rating, Add</i>	212.34	
<i>For Class 55 Rating, Add</i>	471.96	
40 05 19 00-1400 EA 24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,684.98	473.21
<i>For Class 52 Rating, Deduct</i>	-326.48	
<i>For Class 54 Rating, Add</i>	222.60	
<i>For Class 55 Rating, Add</i>	494.77	
40 05 19 00-1401 EA 24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,824.12	474.75
<i>For Class 52 Rating, Deduct</i>	-341.53	
<i>For Class 54 Rating, Add</i>	232.86	
<i>For Class 55 Rating, Add</i>	517.57	
40 05 19 00-1402 EA 24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,963.27	476.29
<i>For Class 52 Rating, Deduct</i>	-356.58	
<i>For Class 54 Rating, Add</i>	243.12	
<i>For Class 55 Rating, Add</i>	540.37	
40 05 19 00-1403 EA 24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,102.41	477.84
<i>For Class 52 Rating, Deduct</i>	-371.62	
<i>For Class 54 Rating, Add</i>	253.38	
<i>For Class 55 Rating, Add</i>	563.18	
40 05 19 00-1404 EA 24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,241.55	479.39
<i>For Class 52 Rating, Deduct</i>	-386.67	
<i>For Class 54 Rating, Add</i>	263.64	
<i>For Class 55 Rating, Add</i>	585.98	
40 05 19 00-1405 EA 24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,380.70	480.94
<i>For Class 52 Rating, Deduct</i>	-401.72	
<i>For Class 54 Rating, Add</i>	273.90	
<i>For Class 55 Rating, Add</i>	608.79	
40 05 19 00-1406 EA 24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,519.84	482.49
<i>For Class 52 Rating, Deduct</i>	-416.77	
<i>For Class 54 Rating, Add</i>	284.16	
<i>For Class 55 Rating, Add</i>	631.59	
40 05 19 00-1407 EA 24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,658.97	484.03
<i>For Class 52 Rating, Deduct</i>	-431.82	
<i>For Class 54 Rating, Add</i>	294.42	
<i>For Class 55 Rating, Add</i>	654.40	
40 05 19 00-1408 EA 24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,798.12	485.58
<i>For Class 52 Rating, Deduct</i>	-446.86	
<i>For Class 54 Rating, Add</i>	304.68	
<i>For Class 55 Rating, Add</i>	677.20	
40 05 19 00-1409 EA 24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,937.26	487.13
<i>For Class 52 Rating, Deduct</i>	-461.91	
<i>For Class 54 Rating, Add</i>	314.94	
<i>For Class 55 Rating, Add</i>	700.01	
40 05 19 00-1410 EA 24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,076.40	488.67
<i>For Class 52 Rating, Deduct</i>	-476.96	
<i>For Class 54 Rating, Add</i>	325.20	
<i>For Class 55 Rating, Add</i>	722.81	
40 05 19 00-1411 EA 24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,215.55	490.21
<i>For Class 52 Rating, Deduct</i>	-492.01	
<i>For Class 54 Rating, Add</i>	335.46	
<i>For Class 55 Rating, Add</i>	745.62	
40 05 19 00-1412 EA 24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,354.69	491.76
<i>For Class 52 Rating, Deduct</i>	-507.06	
<i>For Class 54 Rating, Add</i>	345.72	
<i>For Class 55 Rating, Add</i>	768.42	
40 05 19 00-1413 EA 24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,493.83	493.31
<i>For Class 52 Rating, Deduct</i>	-522.10	
<i>For Class 54 Rating, Add</i>	355.98	
<i>For Class 55 Rating, Add</i>	791.22	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1414	EA		24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,632.98	494.85
			<i>For Class 52 Rating, Deduct</i>	-537.15	
			<i>For Class 54 Rating, Add</i>	366.24	
			<i>For Class 55 Rating, Add</i>	814.03	
40 05 19 00-1415	EA		24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,811.95	522.69
			<i>For Class 52 Rating, Deduct</i>	-552.20	
			<i>For Class 54 Rating, Add</i>	376.50	
			<i>For Class 55 Rating, Add</i>	836.83	
40 05 19 00-1416	EA		24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,951.09	524.23
			<i>For Class 52 Rating, Deduct</i>	-567.25	
			<i>For Class 54 Rating, Add</i>	386.76	
			<i>For Class 55 Rating, Add</i>	859.64	
40 05 19 00-1417	EA		24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,090.24	525.78
			<i>For Class 52 Rating, Deduct</i>	-582.30	
			<i>For Class 54 Rating, Add</i>	397.02	
			<i>For Class 55 Rating, Add</i>	882.44	
40 05 19 00-1418	EA		24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,229.38	527.33
			<i>For Class 52 Rating, Deduct</i>	-597.34	
			<i>For Class 54 Rating, Add</i>	407.28	
			<i>For Class 55 Rating, Add</i>	905.25	
40 05 19 00-1419	EA		24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,368.52	528.87
			<i>For Class 52 Rating, Deduct</i>	-612.39	
			<i>For Class 54 Rating, Add</i>	417.54	
			<i>For Class 55 Rating, Add</i>	928.05	
40 05 19 00-1420	EA		24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,507.67	530.42
			<i>For Class 52 Rating, Deduct</i>	-627.44	
			<i>For Class 54 Rating, Add</i>	427.80	
			<i>For Class 55 Rating, Add</i>	950.86	
40 05 19 00-1421	EA		24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,646.81	531.97
			<i>For Class 52 Rating, Deduct</i>	-642.49	
			<i>For Class 54 Rating, Add</i>	438.06	
			<i>For Class 55 Rating, Add</i>	973.66	
40 05 19 00-1422	EA		24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,785.95	533.52
			<i>For Class 52 Rating, Deduct</i>	-657.54	
			<i>For Class 54 Rating, Add</i>	448.32	
			<i>For Class 55 Rating, Add</i>	996.47	
40 05 19 00-1423	EA		24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,925.10	535.06
			<i>For Class 52 Rating, Deduct</i>	-672.58	
			<i>For Class 54 Rating, Add</i>	458.58	
			<i>For Class 55 Rating, Add</i>	1,019.27	
40 05 19 00-1424			30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1425	EA		30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,629.34	637.13
			<i>For Class 52 Rating, Deduct</i>	-183.04	
			<i>For Class 54 Rating, Add</i>	124.80	
			<i>For Class 55 Rating, Add</i>	277.39	
40 05 19 00-1426	EA		30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,829.28	638.67
			<i>For Class 52 Rating, Deduct</i>	-204.78	
			<i>For Class 54 Rating, Add</i>	139.62	
			<i>For Class 55 Rating, Add</i>	310.33	
40 05 19 00-1427	EA		30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,029.22	640.22
			<i>For Class 52 Rating, Deduct</i>	-226.51	
			<i>For Class 54 Rating, Add</i>	154.44	
			<i>For Class 55 Rating, Add</i>	343.27	
40 05 19 00-1428	EA		30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,229.17	641.77
			<i>For Class 52 Rating, Deduct</i>	-248.25	
			<i>For Class 54 Rating, Add</i>	169.26	
			<i>For Class 55 Rating, Add</i>	376.21	
40 05 19 00-1429	EA		30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,429.11	643.32
			<i>For Class 52 Rating, Deduct</i>	-269.98	
			<i>For Class 54 Rating, Add</i>	184.08	
			<i>For Class 55 Rating, Add</i>	409.15	
40 05 19 00-1430	EA		30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,629.06	644.85
			<i>For Class 52 Rating, Deduct</i>	-291.72	
			<i>For Class 54 Rating, Add</i>	198.90	
			<i>For Class 55 Rating, Add</i>	442.09	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1431 EA 30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,829.00	646.40
<i>For Class 52 Rating, Deduct</i>	-313.46	
<i>For Class 54 Rating, Add</i>	213.72	
<i>For Class 55 Rating, Add</i>	475.03	
40 05 19 00-1432 EA 30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,028.94	647.95
<i>For Class 52 Rating, Deduct</i>	-335.19	
<i>For Class 54 Rating, Add</i>	228.54	
<i>For Class 55 Rating, Add</i>	507.97	
40 05 19 00-1433 EA 30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,228.89	649.49
<i>For Class 52 Rating, Deduct</i>	-356.93	
<i>For Class 54 Rating, Add</i>	243.36	
<i>For Class 55 Rating, Add</i>	540.91	
40 05 19 00-1434 EA 30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,428.83	651.04
<i>For Class 52 Rating, Deduct</i>	-378.66	
<i>For Class 54 Rating, Add</i>	258.18	
<i>For Class 55 Rating, Add</i>	573.85	
40 05 19 00-1435 EA 30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,628.77	652.59
<i>For Class 52 Rating, Deduct</i>	-400.40	
<i>For Class 54 Rating, Add</i>	273.00	
<i>For Class 55 Rating, Add</i>	606.79	
40 05 19 00-1436 EA 30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,828.72	654.14
<i>For Class 52 Rating, Deduct</i>	-422.14	
<i>For Class 54 Rating, Add</i>	287.82	
<i>For Class 55 Rating, Add</i>	639.73	
40 05 19 00-1437 EA 30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,028.66	655.68
<i>For Class 52 Rating, Deduct</i>	-443.87	
<i>For Class 54 Rating, Add</i>	302.64	
<i>For Class 55 Rating, Add</i>	672.67	
40 05 19 00-1438 EA 30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,228.60	657.22
<i>For Class 52 Rating, Deduct</i>	-465.61	
<i>For Class 54 Rating, Add</i>	317.46	
<i>For Class 55 Rating, Add</i>	705.61	
40 05 19 00-1439 EA 30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,428.55	658.77
<i>For Class 52 Rating, Deduct</i>	-487.34	
<i>For Class 54 Rating, Add</i>	332.28	
<i>For Class 55 Rating, Add</i>	738.55	
40 05 19 00-1440 EA 30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,628.49	660.32
<i>For Class 52 Rating, Deduct</i>	-509.08	
<i>For Class 54 Rating, Add</i>	347.10	
<i>For Class 55 Rating, Add</i>	771.49	
40 05 19 00-1441 EA 30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,828.43	661.87
<i>For Class 52 Rating, Deduct</i>	-530.82	
<i>For Class 54 Rating, Add</i>	361.92	
<i>For Class 55 Rating, Add</i>	804.43	
40 05 19 00-1442 EA 30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,028.37	663.42
<i>For Class 52 Rating, Deduct</i>	-552.55	
<i>For Class 54 Rating, Add</i>	376.74	
<i>For Class 55 Rating, Add</i>	837.37	
40 05 19 00-1443 EA 30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,228.31	664.97
<i>For Class 52 Rating, Deduct</i>	-574.29	
<i>For Class 54 Rating, Add</i>	391.56	
<i>For Class 55 Rating, Add</i>	870.31	
40 05 19 00-1444 EA 30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,428.25	666.51
<i>For Class 52 Rating, Deduct</i>	-596.02	
<i>For Class 54 Rating, Add</i>	406.38	
<i>For Class 55 Rating, Add</i>	903.25	
40 05 19 00-1445 EA 30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,628.20	668.05
<i>For Class 52 Rating, Deduct</i>	-617.76	
<i>For Class 54 Rating, Add</i>	421.20	
<i>For Class 55 Rating, Add</i>	936.19	
40 05 19 00-1446 EA 30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,828.14	669.60
<i>For Class 52 Rating, Deduct</i>	-639.50	
<i>For Class 54 Rating, Add</i>	436.02	
<i>For Class 55 Rating, Add</i>	969.13	
40 05 19 00-1447 EA 30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,028.08	671.14
<i>For Class 52 Rating, Deduct</i>	-661.23	
<i>For Class 54 Rating, Add</i>	450.84	
<i>For Class 55 Rating, Add</i>	1,002.07	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1448	EA		30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,228.03	672.69
			<i>For Class 52 Rating, Deduct</i>	-682.97	
			<i>For Class 54 Rating, Add</i>	465.66	
			<i>For Class 55 Rating, Add</i>	1,035.01	
40 05 19 00-1449	EA		30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,427.97	674.24
			<i>For Class 52 Rating, Deduct</i>	-704.70	
			<i>For Class 54 Rating, Add</i>	480.48	
			<i>For Class 55 Rating, Add</i>	1,067.95	
40 05 19 00-1450	EA		30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,627.92	675.79
			<i>For Class 52 Rating, Deduct</i>	-726.44	
			<i>For Class 54 Rating, Add</i>	495.30	
			<i>For Class 55 Rating, Add</i>	1,100.89	
40 05 19 00-1451	EA		30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,827.86	677.33
			<i>For Class 52 Rating, Deduct</i>	-748.18	
			<i>For Class 54 Rating, Add</i>	510.12	
			<i>For Class 55 Rating, Add</i>	1,133.83	
40 05 19 00-1452	EA		30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,027.80	678.88
			<i>For Class 52 Rating, Deduct</i>	-769.91	
			<i>For Class 54 Rating, Add</i>	524.94	
			<i>For Class 55 Rating, Add</i>	1,166.77	
40 05 19 00-1453	EA		30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,227.75	680.42
			<i>For Class 52 Rating, Deduct</i>	-791.65	
			<i>For Class 54 Rating, Add</i>	539.76	
			<i>For Class 55 Rating, Add</i>	1,199.71	
40 05 19 00-1454	EA		30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,427.69	681.97
			<i>For Class 52 Rating, Deduct</i>	-813.38	
			<i>For Class 54 Rating, Add</i>	554.58	
			<i>For Class 55 Rating, Add</i>	1,232.65	
40 05 19 00-1455	EA		30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,627.63	683.51
			<i>For Class 52 Rating, Deduct</i>	-835.12	
			<i>For Class 54 Rating, Add</i>	569.40	
			<i>For Class 55 Rating, Add</i>	1,265.59	
40 05 19 00-1456	EA		30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,827.58	685.06
			<i>For Class 52 Rating, Deduct</i>	-856.86	
			<i>For Class 54 Rating, Add</i>	584.22	
			<i>For Class 55 Rating, Add</i>	1,298.53	
40 05 19 00-1457	EA		30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,027.52	686.61
			<i>For Class 52 Rating, Deduct</i>	-878.59	
			<i>For Class 54 Rating, Add</i>	599.04	
			<i>For Class 55 Rating, Add</i>	1,331.47	
40 05 19 00-1458	EA		30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,227.46	688.16
			<i>For Class 52 Rating, Deduct</i>	-900.33	
			<i>For Class 54 Rating, Add</i>	613.86	
			<i>For Class 55 Rating, Add</i>	1,364.41	
40 05 19 00-1459	EA		30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,427.41	689.71
			<i>For Class 52 Rating, Deduct</i>	-922.06	
			<i>For Class 54 Rating, Add</i>	628.68	
			<i>For Class 55 Rating, Add</i>	1,397.35	
40 05 19 00-1460	EA		30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,627.35	691.25
			<i>For Class 52 Rating, Deduct</i>	-943.80	
			<i>For Class 54 Rating, Add</i>	643.50	
			<i>For Class 55 Rating, Add</i>	1,430.29	
40 05 19 00-1461	EA		30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,827.29	692.79
			<i>For Class 52 Rating, Deduct</i>	-965.54	
			<i>For Class 54 Rating, Add</i>	658.32	
			<i>For Class 55 Rating, Add</i>	1,463.23	
40 05 19 00-1462	EA		30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,027.24	694.34
			<i>For Class 52 Rating, Deduct</i>	-987.27	
			<i>For Class 54 Rating, Add</i>	673.14	
			<i>For Class 55 Rating, Add</i>	1,496.17	
40 05 19 00-1463			36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-1028)</small>		
40 05 19 00-1464	EA		36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,592.67	807.23
			<i>For Class 52 Rating, Deduct</i>	-260.66	
			<i>For Class 54 Rating, Add</i>	177.72	
			<i>For Class 55 Rating, Add</i>	395.01	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1465 EA 36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,863.82	808.78
<i>For Class 52 Rating, Deduct</i>	-290.22	
<i>For Class 54 Rating, Add</i>	197.88	
<i>For Class 55 Rating, Add</i>	439.82	
40 05 19 00-1466 EA 36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,134.96	810.32
<i>For Class 52 Rating, Deduct</i>	-319.79	
<i>For Class 54 Rating, Add</i>	218.04	
<i>For Class 55 Rating, Add</i>	484.63	
40 05 19 00-1467 EA 36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,406.10	811.87
<i>For Class 52 Rating, Deduct</i>	-349.36	
<i>For Class 54 Rating, Add</i>	238.20	
<i>For Class 55 Rating, Add</i>	529.44	
40 05 19 00-1468 EA 36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,677.25	813.41
<i>For Class 52 Rating, Deduct</i>	-378.93	
<i>For Class 54 Rating, Add</i>	258.36	
<i>For Class 55 Rating, Add</i>	574.25	
40 05 19 00-1469 EA 36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,948.39	814.96
<i>For Class 52 Rating, Deduct</i>	-408.50	
<i>For Class 54 Rating, Add</i>	278.52	
<i>For Class 55 Rating, Add</i>	619.06	
40 05 19 00-1470 EA 36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,219.53	816.51
<i>For Class 52 Rating, Deduct</i>	-438.06	
<i>For Class 54 Rating, Add</i>	298.68	
<i>For Class 55 Rating, Add</i>	663.87	
40 05 19 00-1471 EA 36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,490.68	818.06
<i>For Class 52 Rating, Deduct</i>	-467.63	
<i>For Class 54 Rating, Add</i>	318.84	
<i>For Class 55 Rating, Add</i>	708.68	
40 05 19 00-1472 EA 36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,761.82	819.61
<i>For Class 52 Rating, Deduct</i>	-497.20	
<i>For Class 54 Rating, Add</i>	339.00	
<i>For Class 55 Rating, Add</i>	753.48	
40 05 19 00-1473 EA 36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,032.96	821.15
<i>For Class 52 Rating, Deduct</i>	-526.77	
<i>For Class 54 Rating, Add</i>	359.16	
<i>For Class 55 Rating, Add</i>	798.29	
40 05 19 00-1474 EA 36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,304.11	822.70
<i>For Class 52 Rating, Deduct</i>	-556.34	
<i>For Class 54 Rating, Add</i>	379.32	
<i>For Class 55 Rating, Add</i>	843.10	
40 05 19 00-1475 EA 36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,575.25	824.25
<i>For Class 52 Rating, Deduct</i>	-585.90	
<i>For Class 54 Rating, Add</i>	399.48	
<i>For Class 55 Rating, Add</i>	887.91	
40 05 19 00-1476 EA 36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,846.39	825.78
<i>For Class 52 Rating, Deduct</i>	-615.47	
<i>For Class 54 Rating, Add</i>	419.64	
<i>For Class 55 Rating, Add</i>	932.72	
40 05 19 00-1477 EA 36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,117.54	827.33
<i>For Class 52 Rating, Deduct</i>	-645.04	
<i>For Class 54 Rating, Add</i>	439.80	
<i>For Class 55 Rating, Add</i>	977.53	
40 05 19 00-1478 EA 36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,388.68	828.88
<i>For Class 52 Rating, Deduct</i>	-674.61	
<i>For Class 54 Rating, Add</i>	459.96	
<i>For Class 55 Rating, Add</i>	1,022.34	
40 05 19 00-1479 EA 36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,659.82	830.43
<i>For Class 52 Rating, Deduct</i>	-704.18	
<i>For Class 54 Rating, Add</i>	480.12	
<i>For Class 55 Rating, Add</i>	1,067.15	
40 05 19 00-1480 EA 36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,930.97	831.97
<i>For Class 52 Rating, Deduct</i>	-733.74	
<i>For Class 54 Rating, Add</i>	500.28	
<i>For Class 55 Rating, Add</i>	1,111.96	
40 05 19 00-1481 EA 36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,202.11	833.52
<i>For Class 52 Rating, Deduct</i>	-763.31	
<i>For Class 54 Rating, Add</i>	520.44	
<i>For Class 55 Rating, Add</i>	1,156.76	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1482	EA		36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,473.25	835.07
			For Class 52 Rating, Deduct	-792.88	
			For Class 54 Rating, Add	540.60	
			For Class 55 Rating, Add	1,201.57	
40 05 19 00-1483	EA		36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,744.40	836.62
			For Class 52 Rating, Deduct	-822.45	
			For Class 54 Rating, Add	560.76	
			For Class 55 Rating, Add	1,246.38	
40 05 19 00-1484	EA		36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,015.54	838.15
			For Class 52 Rating, Deduct	-852.02	
			For Class 54 Rating, Add	580.92	
			For Class 55 Rating, Add	1,291.19	
40 05 19 00-1485	EA		36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,286.69	839.70
			For Class 52 Rating, Deduct	-881.58	
			For Class 54 Rating, Add	601.08	
			For Class 55 Rating, Add	1,336.00	
40 05 19 00-1486	EA		36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,557.83	841.25
			For Class 52 Rating, Deduct	-911.15	
			For Class 54 Rating, Add	621.24	
			For Class 55 Rating, Add	1,380.81	
40 05 19 00-1487	EA		36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,828.96	842.80
			For Class 52 Rating, Deduct	-940.72	
			For Class 54 Rating, Add	641.40	
			For Class 55 Rating, Add	1,425.62	
40 05 19 00-1488	EA		36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,100.11	844.35
			For Class 52 Rating, Deduct	-970.29	
			For Class 54 Rating, Add	661.56	
			For Class 55 Rating, Add	1,470.43	
40 05 19 00-1489	EA		36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,371.25	845.89
			For Class 52 Rating, Deduct	-999.86	
			For Class 54 Rating, Add	681.72	
			For Class 55 Rating, Add	1,515.24	
40 05 19 00-1490	EA		36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,642.39	847.44
			For Class 52 Rating, Deduct	-1,029.42	
			For Class 54 Rating, Add	701.88	
			For Class 55 Rating, Add	1,560.05	
40 05 19 00-1491	EA		36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,913.54	848.98
			For Class 52 Rating, Deduct	-1,058.99	
			For Class 54 Rating, Add	722.04	
			For Class 55 Rating, Add	1,604.85	
40 05 19 00-1492	EA		36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,184.68	850.53
			For Class 52 Rating, Deduct	-1,088.56	
			For Class 54 Rating, Add	742.20	
			For Class 55 Rating, Add	1,649.66	
40 05 19 00-1493	EA		36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,455.82	852.08
			For Class 52 Rating, Deduct	-1,118.13	
			For Class 54 Rating, Add	762.36	
			For Class 55 Rating, Add	1,694.47	
40 05 19 00-1494	EA		36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,726.97	853.62
			For Class 52 Rating, Deduct	-1,147.70	
			For Class 54 Rating, Add	782.52	
			For Class 55 Rating, Add	1,739.28	
40 05 19 00-1495	EA		36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,998.11	855.17
			For Class 52 Rating, Deduct	-1,177.26	
			For Class 54 Rating, Add	802.68	
			For Class 55 Rating, Add	1,784.09	
40 05 19 00-1496	EA		36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,269.25	856.72
			For Class 52 Rating, Deduct	-1,206.83	
			For Class 54 Rating, Add	822.84	
			For Class 55 Rating, Add	1,828.90	
40 05 19 00-1497	EA		36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,540.40	858.27
			For Class 52 Rating, Deduct	-1,236.40	
			For Class 54 Rating, Add	843.00	
			For Class 55 Rating, Add	1,873.71	
40 05 19 00-1498	EA		36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,811.54	859.81
			For Class 52 Rating, Deduct	-1,265.97	
			For Class 54 Rating, Add	863.16	
			For Class 55 Rating, Add	1,918.52	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1499 EA 36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,082.68	861.35
<i>For Class 52 Rating, Deduct</i>	-1,295.54	
<i>For Class 54 Rating, Add</i>	883.32	
<i>For Class 55 Rating, Add</i>	1,963.33	
40 05 19 00-1500 EA 36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,353.83	862.90
<i>For Class 52 Rating, Deduct</i>	-1,325.10	
<i>For Class 54 Rating, Add</i>	903.48	
<i>For Class 55 Rating, Add</i>	2,008.13	
40 05 19 00-1501 EA 36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,624.97	864.44
<i>For Class 52 Rating, Deduct</i>	-1,354.67	
<i>For Class 54 Rating, Add</i>	923.64	
<i>For Class 55 Rating, Add</i>	2,052.94	
40 05 19 00-1502 42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-1028)</small>		
40 05 19 00-1503 EA 42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,718.54	1,017.54
<i>For Class 52 Rating, Deduct</i>	-349.45	
<i>For Class 54 Rating, Add</i>	238.26	
<i>For Class 55 Rating, Add</i>	529.57	
40 05 19 00-1504 EA 42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,122.48	1,019.08
<i>For Class 52 Rating, Deduct</i>	-393.62	
<i>For Class 54 Rating, Add</i>	268.38	
<i>For Class 55 Rating, Add</i>	596.52	
40 05 19 00-1505 EA 42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,521.62	1,020.63
<i>For Class 52 Rating, Deduct</i>	-437.27	
<i>For Class 54 Rating, Add</i>	298.14	
<i>For Class 55 Rating, Add</i>	662.67	
40 05 19 00-1506 EA 42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,924.76	1,022.18
<i>For Class 52 Rating, Deduct</i>	-481.36	
<i>For Class 54 Rating, Add</i>	328.20	
<i>For Class 55 Rating, Add</i>	729.48	
40 05 19 00-1507 EA 42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,323.90	1,023.73
<i>For Class 52 Rating, Deduct</i>	-525.01	
<i>For Class 54 Rating, Add</i>	357.96	
<i>For Class 55 Rating, Add</i>	795.63	
40 05 19 00-1508 EA 42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,727.84	1,025.28
<i>For Class 52 Rating, Deduct</i>	-569.18	
<i>For Class 54 Rating, Add</i>	388.08	
<i>For Class 55 Rating, Add</i>	862.57	
40 05 19 00-1509 EA 42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,126.19	1,026.82
<i>For Class 52 Rating, Deduct</i>	-612.74	
<i>For Class 54 Rating, Add</i>	417.78	
<i>For Class 55 Rating, Add</i>	928.59	
40 05 19 00-1510 EA 42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,530.13	1,028.37
<i>For Class 52 Rating, Deduct</i>	-656.92	
<i>For Class 54 Rating, Add</i>	447.90	
<i>For Class 55 Rating, Add</i>	995.53	
40 05 19 00-1511 EA 42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,929.27	1,029.91
<i>For Class 52 Rating, Deduct</i>	-700.57	
<i>For Class 54 Rating, Add</i>	477.66	
<i>For Class 55 Rating, Add</i>	1,061.68	
40 05 19 00-1512 EA 42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,332.42	1,031.46
<i>For Class 52 Rating, Deduct</i>	-744.66	
<i>For Class 54 Rating, Add</i>	507.72	
<i>For Class 55 Rating, Add</i>	1,128.49	
40 05 19 00-1513 EA 42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,731.56	1,033.01
<i>For Class 52 Rating, Deduct</i>	-788.30	
<i>For Class 54 Rating, Add</i>	537.48	
<i>For Class 55 Rating, Add</i>	1,194.64	
40 05 19 00-1514 EA 42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,134.70	1,034.56
<i>For Class 52 Rating, Deduct</i>	-832.39	
<i>For Class 54 Rating, Add</i>	567.54	
<i>For Class 55 Rating, Add</i>	1,261.45	
40 05 19 00-1515 EA 42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,533.85	1,036.10
<i>For Class 52 Rating, Deduct</i>	-876.04	
<i>For Class 54 Rating, Add</i>	597.30	
<i>For Class 55 Rating, Add</i>	1,327.60	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1516	EA		42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,933.79	1,037.65
			For Class 52 Rating, Deduct	-919.78	
			For Class 54 Rating, Add	627.12	
			For Class 55 Rating, Add	1,393.88	
40 05 19 00-1517	EA		42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,336.14	1,039.20
			For Class 52 Rating, Deduct	-963.78	
			For Class 54 Rating, Add	657.12	
			For Class 55 Rating, Add	1,460.56	
40 05 19 00-1518	EA		42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,735.28	1,040.75
			For Class 52 Rating, Deduct	-1,007.42	
			For Class 54 Rating, Add	686.88	
			For Class 55 Rating, Add	1,526.71	
40 05 19 00-1519	EA		42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,139.22	1,042.28
			For Class 52 Rating, Deduct	-1,051.60	
			For Class 54 Rating, Add	717.00	
			For Class 55 Rating, Add	1,593.65	
40 05 19 00-1520	EA		42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,538.37	1,043.83
			For Class 52 Rating, Deduct	-1,095.25	
			For Class 54 Rating, Add	746.76	
			For Class 55 Rating, Add	1,659.80	
40 05 19 00-1521	EA		42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,941.51	1,045.38
			For Class 52 Rating, Deduct	-1,139.34	
			For Class 54 Rating, Add	776.82	
			For Class 55 Rating, Add	1,726.61	
40 05 19 00-1522	EA		42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,340.65	1,046.92
			For Class 52 Rating, Deduct	-1,182.98	
			For Class 54 Rating, Add	806.58	
			For Class 55 Rating, Add	1,792.76	
40 05 19 00-1523	EA		42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,744.60	1,048.47
			For Class 52 Rating, Deduct	-1,227.16	
			For Class 54 Rating, Add	836.70	
			For Class 55 Rating, Add	1,859.71	
40 05 19 00-1524	EA		42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,143.74	1,050.02
			For Class 52 Rating, Deduct	-1,270.81	
			For Class 54 Rating, Add	866.46	
			For Class 55 Rating, Add	1,925.85	
40 05 19 00-1525	EA		42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,546.88	1,051.57
			For Class 52 Rating, Deduct	-1,314.90	
			For Class 54 Rating, Add	896.52	
			For Class 55 Rating, Add	1,992.67	
40 05 19 00-1526	EA		42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,946.03	1,053.10
			For Class 52 Rating, Deduct	-1,358.54	
			For Class 54 Rating, Add	926.28	
			For Class 55 Rating, Add	2,058.81	
40 05 19 00-1527	EA		42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,349.97	1,054.65
			For Class 52 Rating, Deduct	-1,402.72	
			For Class 54 Rating, Add	956.40	
			For Class 55 Rating, Add	2,125.76	
40 05 19 00-1528	EA		42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,749.11	1,056.20
			For Class 52 Rating, Deduct	-1,446.37	
			For Class 54 Rating, Add	986.16	
			For Class 55 Rating, Add	2,191.90	
40 05 19 00-1529	EA		42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,151.45	1,057.75
			For Class 52 Rating, Deduct	-1,490.37	
			For Class 54 Rating, Add	1,016.16	
			For Class 55 Rating, Add	2,258.58	
40 05 19 00-1530	EA		42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,551.39	1,059.30
			For Class 52 Rating, Deduct	-1,534.10	
			For Class 54 Rating, Add	1,045.98	
			For Class 55 Rating, Add	2,324.86	
40 05 19 00-1531	EA		42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,870.53	1,060.85
			For Class 52 Rating, Deduct	-1,568.95	
			For Class 54 Rating, Add	1,069.74	
			For Class 55 Rating, Add	2,377.68	
40 05 19 00-1532	EA		42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,353.68	1,062.39
			For Class 52 Rating, Deduct	-1,621.84	
			For Class 54 Rating, Add	1,105.80	
			For Class 55 Rating, Add	2,457.82	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1533 EA 42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,752.82	1,063.94
<i>For Class 52 Rating, Deduct</i>	-1,665.49	
<i>For Class 54 Rating, Add</i>	1,135.56	
<i>For Class 55 Rating, Add</i>	2,523.97	
40 05 19 00-1534 EA 42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,155.96	1,065.48
<i>For Class 52 Rating, Deduct</i>	-1,709.58	
<i>For Class 54 Rating, Add</i>	1,165.62	
<i>For Class 55 Rating, Add</i>	2,590.78	
40 05 19 00-1535 EA 42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,555.11	1,067.03
<i>For Class 52 Rating, Deduct</i>	-1,753.22	
<i>For Class 54 Rating, Add</i>	1,195.38	
<i>For Class 55 Rating, Add</i>	2,656.93	
40 05 19 00-1536 EA 42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,959.05	1,068.58
<i>For Class 52 Rating, Deduct</i>	-1,797.40	
<i>For Class 54 Rating, Add</i>	1,225.50	
<i>For Class 55 Rating, Add</i>	2,723.88	
40 05 19 00-1537 EA 42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,357.40	1,070.12
<i>For Class 52 Rating, Deduct</i>	-1,840.96	
<i>For Class 54 Rating, Add</i>	1,255.20	
<i>For Class 55 Rating, Add</i>	2,789.89	
40 05 19 00-1538 EA 42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,761.34	1,071.67
<i>For Class 52 Rating, Deduct</i>	-1,885.14	
<i>For Class 54 Rating, Add</i>	1,285.32	
<i>For Class 55 Rating, Add</i>	2,856.84	
40 05 19 00-1539 EA 42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,160.48	1,073.22
<i>For Class 52 Rating, Deduct</i>	-1,928.78	
<i>For Class 54 Rating, Add</i>	1,315.08	
<i>For Class 55 Rating, Add</i>	2,922.98	
40 05 19 00-1540 EA 42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,563.63	1,074.76
<i>For Class 52 Rating, Deduct</i>	-1,972.87	
<i>For Class 54 Rating, Add</i>	1,345.14	
<i>For Class 55 Rating, Add</i>	2,989.80	
40 05 19 00-1541 48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-1028)</small>		
40 05 19 00-1542 EA 48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,068.91	1,278.89
<i>For Class 52 Rating, Deduct</i>	-454.43	
<i>For Class 54 Rating, Add</i>	309.84	
<i>For Class 55 Rating, Add</i>	688.67	
40 05 19 00-1543 EA 48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,656.05	1,280.44
<i>For Class 52 Rating, Deduct</i>	-518.76	
<i>For Class 54 Rating, Add</i>	353.70	
<i>For Class 55 Rating, Add</i>	786.16	
40 05 19 00-1544 EA 48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,242.39	1,281.98
<i>For Class 52 Rating, Deduct</i>	-583.00	
<i>For Class 54 Rating, Add</i>	397.50	
<i>For Class 55 Rating, Add</i>	883.51	
40 05 19 00-1545 EA 48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,833.54	1,283.53
<i>For Class 52 Rating, Deduct</i>	-647.77	
<i>For Class 54 Rating, Add</i>	441.66	
<i>For Class 55 Rating, Add</i>	981.66	
40 05 19 00-1546 EA 48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,420.68	1,285.07
<i>For Class 52 Rating, Deduct</i>	-712.10	
<i>For Class 54 Rating, Add</i>	485.52	
<i>For Class 55 Rating, Add</i>	1,079.15	
40 05 19 00-1547 EA 48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,007.82	1,286.62
<i>For Class 52 Rating, Deduct</i>	-776.42	
<i>For Class 54 Rating, Add</i>	529.38	
<i>For Class 55 Rating, Add</i>	1,176.64	
40 05 19 00-1548 EA 48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,598.17	1,288.17
<i>For Class 52 Rating, Deduct</i>	-841.10	
<i>For Class 54 Rating, Add</i>	573.48	
<i>For Class 55 Rating, Add</i>	1,274.65	
40 05 19 00-1549 EA 48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,186.11	1,289.71
<i>For Class 52 Rating, Deduct</i>	-905.52	
<i>For Class 54 Rating, Add</i>	617.40	
<i>For Class 55 Rating, Add</i>	1,372.27	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1550	EA		48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,772.45	1,291.26
			<i>For Class 52 Rating, Deduct</i>	-969.76	
			<i>For Class 54 Rating, Add</i>	661.20	
			<i>For Class 55 Rating, Add</i>	1,469.63	
40 05 19 00-1551	EA		48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,363.60	1,292.81
			<i>For Class 52 Rating, Deduct</i>	-1,034.53	
			<i>For Class 54 Rating, Add</i>	705.36	
			<i>For Class 55 Rating, Add</i>	1,567.78	
40 05 19 00-1552	EA		48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,950.74	1,294.35
			<i>For Class 52 Rating, Deduct</i>	-1,098.86	
			<i>For Class 54 Rating, Add</i>	749.22	
			<i>For Class 55 Rating, Add</i>	1,665.27	
40 05 19 00-1553	EA		48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,541.88	1,295.89
			<i>For Class 52 Rating, Deduct</i>	-1,163.62	
			<i>For Class 54 Rating, Add</i>	793.38	
			<i>For Class 55 Rating, Add</i>	1,763.42	
40 05 19 00-1554	EA		48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,128.23	1,297.44
			<i>For Class 52 Rating, Deduct</i>	-1,227.86	
			<i>For Class 54 Rating, Add</i>	837.18	
			<i>For Class 55 Rating, Add</i>	1,860.77	
40 05 19 00-1555	EA		48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,715.37	1,298.99
			<i>For Class 52 Rating, Deduct</i>	-1,292.19	
			<i>For Class 54 Rating, Add</i>	881.04	
			<i>For Class 55 Rating, Add</i>	1,958.26	
40 05 19 00-1556	EA		48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,306.52	1,300.54
			<i>For Class 52 Rating, Deduct</i>	-1,356.96	
			<i>For Class 54 Rating, Add</i>	925.20	
			<i>For Class 55 Rating, Add</i>	2,056.41	
40 05 19 00-1557	EA		48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,893.66	1,302.08
			<i>For Class 52 Rating, Deduct</i>	-1,421.29	
			<i>For Class 54 Rating, Add</i>	969.06	
			<i>For Class 55 Rating, Add</i>	2,153.90	
40 05 19 00-1558	EA		48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,480.00	1,303.63
			<i>For Class 52 Rating, Deduct</i>	-1,485.53	
			<i>For Class 54 Rating, Add</i>	1,012.86	
			<i>For Class 55 Rating, Add</i>	2,251.25	
40 05 19 00-1559	EA		48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,071.15	1,305.18
			<i>For Class 52 Rating, Deduct</i>	-1,550.30	
			<i>For Class 54 Rating, Add</i>	1,057.02	
			<i>For Class 55 Rating, Add</i>	2,349.40	
40 05 19 00-1560	EA		48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,658.29	1,306.72
			<i>For Class 52 Rating, Deduct</i>	-1,614.62	
			<i>For Class 54 Rating, Add</i>	1,100.88	
			<i>For Class 55 Rating, Add</i>	2,446.89	
40 05 19 00-1561	EA		48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,244.62	1,308.27
			<i>For Class 52 Rating, Deduct</i>	-1,678.86	
			<i>For Class 54 Rating, Add</i>	1,144.68	
			<i>For Class 55 Rating, Add</i>	2,544.24	
40 05 19 00-1562	EA		48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,835.77	1,309.82
			<i>For Class 52 Rating, Deduct</i>	-1,743.63	
			<i>For Class 54 Rating, Add</i>	1,188.84	
			<i>For Class 55 Rating, Add</i>	2,642.40	
40 05 19 00-1563	EA		48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,423.71	1,311.37
			<i>For Class 52 Rating, Deduct</i>	-1,808.05	
			<i>For Class 54 Rating, Add</i>	1,232.76	
			<i>For Class 55 Rating, Add</i>	2,740.01	
40 05 19 00-1564	EA		48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,010.05	1,312.91
			<i>For Class 52 Rating, Deduct</i>	-1,872.29	
			<i>For Class 54 Rating, Add</i>	1,276.56	
			<i>For Class 55 Rating, Add</i>	2,837.37	
40 05 19 00-1565	EA		48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,601.20	1,314.46
			<i>For Class 52 Rating, Deduct</i>	-1,937.06	
			<i>For Class 54 Rating, Add</i>	1,320.72	
			<i>For Class 55 Rating, Add</i>	2,935.52	
40 05 19 00-1566	EA		48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,188.34	1,316.01
			<i>For Class 52 Rating, Deduct</i>	-2,001.38	
			<i>For Class 54 Rating, Add</i>	1,364.58	
			<i>For Class 55 Rating, Add</i>	3,033.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1567 EA 48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,774.68	1,317.55
<i>For Class 52 Rating, Deduct</i>	-2,065.62	
<i>For Class 54 Rating, Add</i>	1,408.38	
<i>For Class 55 Rating, Add</i>	3,130.36	
40 05 19 00-1568 EA 48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,365.83	1,319.09
<i>For Class 52 Rating, Deduct</i>	-2,130.39	
<i>For Class 54 Rating, Add</i>	1,452.54	
<i>For Class 55 Rating, Add</i>	3,228.51	
40 05 19 00-1569 EA 48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,952.97	1,320.64
<i>For Class 52 Rating, Deduct</i>	-2,194.72	
<i>For Class 54 Rating, Add</i>	1,496.40	
<i>For Class 55 Rating, Add</i>	3,326.00	
40 05 19 00-1570 EA 48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,468.11	1,322.19
<i>For Class 52 Rating, Deduct</i>	-2,251.13	
<i>For Class 54 Rating, Add</i>	1,534.86	
<i>For Class 55 Rating, Add</i>	3,411.48	
40 05 19 00-1571 EA 48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,131.26	1,323.73
<i>For Class 52 Rating, Deduct</i>	-2,323.82	
<i>For Class 54 Rating, Add</i>	1,584.42	
<i>For Class 55 Rating, Add</i>	3,521.64	
40 05 19 00-1572 EA 48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,717.60	1,325.28
<i>For Class 52 Rating, Deduct</i>	-2,388.06	
<i>For Class 54 Rating, Add</i>	1,628.22	
<i>For Class 55 Rating, Add</i>	3,618.99	
40 05 19 00-1573 EA 48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,309.54	1,326.83
<i>For Class 52 Rating, Deduct</i>	-2,452.91	
<i>For Class 54 Rating, Add</i>	1,672.44	
<i>For Class 55 Rating, Add</i>	3,717.28	
40 05 19 00-1574 EA 48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,895.89	1,328.37
<i>For Class 52 Rating, Deduct</i>	-2,517.15	
<i>For Class 54 Rating, Add</i>	1,716.24	
<i>For Class 55 Rating, Add</i>	3,814.63	
40 05 19 00-1575 EA 48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,482.23	1,329.92
<i>For Class 52 Rating, Deduct</i>	-2,581.39	
<i>For Class 54 Rating, Add</i>	1,760.04	
<i>For Class 55 Rating, Add</i>	3,911.98	
40 05 19 00-1576 EA 48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,074.18	1,331.46
<i>For Class 52 Rating, Deduct</i>	-2,646.25	
<i>For Class 54 Rating, Add</i>	1,804.26	
<i>For Class 55 Rating, Add</i>	4,010.27	
40 05 19 00-1577 EA 48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,660.52	1,333.01
<i>For Class 52 Rating, Deduct</i>	-2,710.49	
<i>For Class 54 Rating, Add</i>	1,848.06	
<i>For Class 55 Rating, Add</i>	4,107.62	
40 05 19 00-1578 EA 48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,247.66	1,334.56
<i>For Class 52 Rating, Deduct</i>	-2,774.82	
<i>For Class 54 Rating, Add</i>	1,891.92	
<i>For Class 55 Rating, Add</i>	4,205.11	
40 05 19 00-1579 EA 48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,838.81	1,336.11
<i>For Class 52 Rating, Deduct</i>	-2,839.58	
<i>For Class 54 Rating, Add</i>	1,936.08	
<i>For Class 55 Rating, Add</i>	4,303.26	
40 05 19 00-1580 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows <small>(40 05 19 00-0001)</small>		
40 05 19 00-1581 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	222.65	74.61
40 05 19 00-1582 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	314.16	95.41
40 05 19 00-1583 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	442.94	108.07
40 05 19 00-1584 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	650.79	137.01
40 05 19 00-1585 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	807.79	151.93
40 05 19 00-1586 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,010.06	165.05
40 05 19 00-1587 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,244.30	203.48
40 05 19 00-1588 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,635.56	244.17
40 05 19 00-1589 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,013.87	307.48
40 05 19 00-1590 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,079.53	348.17
40 05 19 00-1591 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,195.61	461.21
40 05 19 00-1592 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	7,382.49	522.26
40 05 19 00-1593 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	12,401.14	596.86
40 05 19 00-1594 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	16,520.27	732.51

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1595			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows (40 05 19 00-0001)		
40 05 19 00-1596	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	210.65	74.61
40 05 19 00-1597	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	294.96	95.41
40 05 19 00-1598	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	394.14	108.07
40 05 19 00-1599	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	580.39	137.01
40 05 19 00-1600	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	718.19	151.93
40 05 19 00-1601	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	827.66	165.05
40 05 19 00-1602	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,042.70	203.48
40 05 19 00-1603	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,364.36	244.17
40 05 19 00-1604	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,766.67	307.48
40 05 19 00-1605	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	2,333.93	348.17
40 05 19 00-1606	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	4,650.01	461.21
40 05 19 00-1607	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	6,984.09	522.26
40 05 19 00-1608	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	10,688.34	596.86
40 05 19 00-1609	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	14,582.67	732.51
40 05 19 00-1610			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows (40 05 19 00-0001)		
40 05 19 00-1611	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	209.85	74.61
40 05 19 00-1612	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	288.56	95.41
40 05 19 00-1613	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	388.54	108.07
40 05 19 00-1614	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	564.39	137.01
40 05 19 00-1615	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	753.39	151.93
40 05 19 00-1616	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	938.86	165.05
40 05 19 00-1617	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,067.50	203.48
40 05 19 00-1618	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,394.76	244.17
40 05 19 00-1619	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,898.67	307.48
40 05 19 00-1620	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,634.73	348.17
40 05 19 00-1621	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	4,703.61	461.21
40 05 19 00-1622	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	7,107.29	522.26
40 05 19 00-1623	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	10,933.94	596.86
40 05 19 00-1624	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	14,902.67	732.51
40 05 19 00-1625			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows (40 05 19 00-0001)		
40 05 19 00-1626	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	229.85	74.61
40 05 19 00-1627	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	326.16	95.41
40 05 19 00-1628	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	404.54	108.07
40 05 19 00-1629	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	621.19	137.01
40 05 19 00-1630	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	858.19	151.93
40 05 19 00-1631	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	966.06	165.05
40 05 19 00-1632	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,181.10	203.48
40 05 19 00-1633	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,394.76	244.17
40 05 19 00-1634	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,898.67	307.48
40 05 19 00-1635	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,742.73	348.17
40 05 19 00-1636	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	4,757.21	461.21
40 05 19 00-1637	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	7,160.09	522.26
40 05 19 00-1638	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	10,989.94	596.86
40 05 19 00-1639	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	15,015.47	732.51
40 05 19 00-1640			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows (40 05 19 00-0001)		
40 05 19 00-1641	EA		6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	297.60	85.01
40 05 19 00-1642	EA		8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	368.79	91.34
40 05 19 00-1643	EA		8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	415.75	101.73
40 05 19 00-1644	EA		10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	558.71	105.80
40 05 19 00-1645	EA		10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	589.67	116.21
40 05 19 00-1646	EA		10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	644.86	122.54
40 05 19 00-1647	EA		12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	600.76	113.49
40 05 19 00-1648	EA		12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	677.32	123.90
40 05 19 00-1649	EA		12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	779.72	130.22
40 05 19 00-1650	EA		12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	830.43	144.70
40 05 19 00-1651	EA		14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	779.72	130.22
40 05 19 00-1652	EA		14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	864.50	136.56
40 05 19 00-1653	EA		14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	963.23	151.02
40 05 19 00-1654	EA		14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,066.87	158.71
40 05 19 00-1655	EA		16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	899.22	149.44
40 05 19 00-1656	EA		16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	970.42	155.77
40 05 19 00-1657	EA		16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,114.75	170.24
40 05 19 00-1658	EA		16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,217.25	177.70
40 05 19 00-1659	EA		16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,303.98	184.26
40 05 19 00-1660	EA		18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,052.46	169.79
40 05 19 00-1661	EA		18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,261.24	176.12
40 05 19 00-1662	EA		18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,298.37	190.59
40 05 19 00-1663	EA		18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,371.28	198.05



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1664	EA			18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,488.41	204.61
40 05 19 00-1665	EA			18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,623.13	223.83
40 05 19 00-1666	EA			20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,359.61	201.44
40 05 19 00-1667	EA			20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,451.61	207.77
40 05 19 00-1668	EA			20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,802.33	222.24
40 05 19 00-1669	EA			20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,870.44	229.70
40 05 19 00-1670	EA			20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,064.37	236.26
40 05 19 00-1671	EA			20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,017.48	255.48
40 05 19 00-1672	EA			20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,147.52	275.83
40 05 19 00-1673	EA			24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,916.84	221.79
40 05 19 00-1674	EA			24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,009.63	228.12
40 05 19 00-1675	EA			24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,162.76	242.59
40 05 19 00-1676	EA			24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,273.26	250.05
40 05 19 00-1677	EA			24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,480.80	256.61
40 05 19 00-1678	EA			24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,673.92	275.83
40 05 19 00-1679	EA			24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,737.55	296.17
40 05 19 00-1680	EA			24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,880.58	292.90
40 05 19 00-1681	EA			30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,427.70	306.57
40 05 19 00-1682	EA			30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,649.64	313.13
40 05 19 00-1683	EA			30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,115.55	332.35
40 05 19 00-1684	EA			30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,786.38	352.69
40 05 19 00-1685	EA			30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,535.94	384.34
40 05 19 00-1686	EA			30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,846.77	404.69
40 05 19 00-1687	EA			36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,727.54	337.09
40 05 19 00-1688	EA			36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,129.48	343.65
40 05 19 00-1689	EA			36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,978.60	362.86
40 05 19 00-1690	EA			36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,507.02	383.21
40 05 19 00-1691	EA			36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,221.39	414.86
40 05 19 00-1692	EA			36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,784.21	435.21
40 05 19 00-1693	EA			36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,236.25	491.73
40 05 19 00-1694	EA			42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,378.01	380.95
40 05 19 00-1695	EA			42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,060.71	400.17
40 05 19 00-1696	EA			42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,517.95	420.51
40 05 19 00-1697	EA			42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,363.50	452.17
40 05 19 00-1698	EA			42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,167.93	472.51
40 05 19 00-1699	EA			42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,626.37	529.04
40 05 19 00-1700	EA			42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,605.42	559.56
40 05 19 00-1701	EA			48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,020.87	545.99
40 05 19 00-1702	EA			48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,160.10	602.51
40 05 19 00-1703	EA			48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,574.35	633.04
40 05 19 00-1704	EA			48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,646.06	670.34
40 05 19 00-1705	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows <small>(40 05 19 00-0001)</small>					
40 05 19 00-1706	EA			4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	266.65	74.61
40 05 19 00-1707	EA			6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	412.56	95.41
40 05 19 00-1708	EA			8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	607.74	108.07
40 05 19 00-1709	EA			10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	865.19	137.01
40 05 19 00-1710	EA			12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,224.59	151.93
40 05 19 00-1711	EA			14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,428.46	165.05
40 05 19 00-1712	EA			16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,853.90	203.48
40 05 19 00-1713	EA			18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,297.16	244.17
40 05 19 00-1714	EA			20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,133.87	307.48
40 05 19 00-1715	EA			24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,610.73	348.17
40 05 19 00-1716	EA			30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	8,126.01	461.21
40 05 19 00-1717	EA			36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	12,381.69	522.26
40 05 19 00-1718	EA			42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	19,213.14	596.86
40 05 19 00-1719	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base <small>(40 05 19 00-0001)</small>					
40 05 19 00-1720	EA			4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	281.85	74.61
40 05 19 00-1721	EA			6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	382.96	95.41
40 05 19 00-1722	EA			8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	628.54	108.07
40 05 19 00-1723	EA			10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	849.99	137.01
40 05 19 00-1724	EA			12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,143.79	151.93
40 05 19 00-1725	EA			14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,351.66	165.05
40 05 19 00-1726	EA			16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,669.90	203.48
40 05 19 00-1727	EA			18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,098.76	244.17
40 05 19 00-1728	EA			20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,770.67	307.48
40 05 19 00-1729	EA			24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,919.53	348.17
40 05 19 00-1730	EA			30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	6,432.41	461.21
40 05 19 00-1731	EA			36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	9,206.49	522.26
40 05 19 00-1732	EA			42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	17,123.54	596.86
40 05 19 00-1733	EA			48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	18,458.67	732.51
40 05 19 00-1734	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees <small>(40 05 19 00-0001)</small>					
40 05 19 00-1735	EA			4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	381.55	119.83

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1736	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	472.95	147.41
40 05 19 00-1737	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	666.18	164.59
40 05 19 00-1738	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	957.66	213.87
40 05 19 00-1739	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	1,275.12	233.32
40 05 19 00-1740	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	1,710.63	250.95
40 05 19 00-1741	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	1,936.37	316.51
40 05 19 00-1742	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	2,362.49	361.73
40 05 19 00-1743	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	2,979.96	456.69
40 05 19 00-1744	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	4,397.49	504.17
40 05 19 00-1745	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	7,492.66	696.34
40 05 19 00-1746	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	10,810.81	798.08
40 05 19 00-1747	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	22,396.82	922.42

40 05 19 00-1748 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees

(40 05 19 00-0001)

40 05 19 00-1749	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	478.80	133.84
40 05 19 00-1750	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	594.10	136.56
40 05 19 00-1751	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	592.94	153.73
40 05 19 00-1752	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	784.83	151.02
40 05 19 00-1753	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	774.06	168.21
40 05 19 00-1754	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	816.10	179.06
40 05 19 00-1755	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	996.47	158.71
40 05 19 00-1756	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	992.90	175.90
40 05 19 00-1757	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,048.55	186.74
40 05 19 00-1758	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,249.30	221.56
40 05 19 00-1759	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,455.66	165.05
40 05 19 00-1760	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,423.29	182.22
40 05 19 00-1761	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,486.14	193.07
40 05 19 00-1762	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,568.49	227.90
40 05 19 00-1763	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,663.45	239.87
40 05 19 00-1764	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,766.38	184.26
40 05 19 00-1765	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,626.01	201.44
40 05 19 00-1766	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,599.25	212.29
40 05 19 00-1767	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,876.81	247.11
40 05 19 00-1768	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,820.57	259.09
40 05 19 00-1769	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,030.95	270.17
40 05 19 00-1770	EA	18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,161.21	204.61
40 05 19 00-1771	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,625.64	221.79
40 05 19 00-1772	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,959.69	232.64
40 05 19 00-1773	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,965.24	267.45
40 05 19 00-1774	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,139.40	279.44
40 05 19 00-1775	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,336.18	290.52
40 05 19 00-1776	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,498.40	336.86
40 05 19 00-1777	EA	20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,786.77	236.26
40 05 19 00-1778	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,393.60	253.44
40 05 19 00-1779	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,442.84	264.29
40 05 19 00-1780	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,545.20	299.11
40 05 19 00-1781	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,644.95	311.09
40 05 19 00-1782	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,678.54	322.17
40 05 19 00-1783	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,226.36	368.51
40 05 19 00-1784	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,296.84	393.39
40 05 19 00-1785	EA	24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,172.00	256.61
40 05 19 00-1786	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,737.23	273.79
40 05 19 00-1787	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,861.67	284.64
40 05 19 00-1788	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,974.43	319.46
40 05 19 00-1789	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,334.99	331.44
40 05 19 00-1790	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,417.37	342.51
40 05 19 00-1791	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,530.79	388.86
40 05 19 00-1792	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,644.47	413.73
40 05 19 00-1793	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,803.46	442.11
40 05 19 00-1794	EA	30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,634.87	330.31
40 05 19 00-1795	EA	30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,668.11	341.16
40 05 19 00-1796	EA	30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,827.26	375.98
40 05 19 00-1797	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,845.42	387.97
40 05 19 00-1798	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,862.20	399.04
40 05 19 00-1799	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,985.23	445.39
40 05 19 00-1800	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,058.11	470.26
40 05 19 00-1801	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,241.23	533.56
40 05 19 00-1802	EA	36" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	7,994.33	560.69
40 05 19 00-1803	EA	36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	7,772.27	472.75
40 05 19 00-1804	EA	36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,315.69	481.34
40 05 19 00-1805	EA	36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,370.63	505.98
40 05 19 00-1806	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,438.16	515.70
40 05 19 00-1807	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,469.12	524.51
40 05 19 00-1808	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,553.99	557.30
40 05 19 00-1809	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,605.85	579.91
40 05 19 00-1810	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,748.18	627.39
40 05 19 00-1811	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,943.35	651.12
40 05 19 00-1812	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,716.14	747.21
40 05 19 00-1813	EA	42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,919.68	408.99
40 05 19 00-1814	EA	42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,583.63	443.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1815 EA 42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,601.78	455.79
40 05 19 00-1816 EA 42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,636.97	466.86
40 05 19 00-1817 EA 42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,744.80	513.21
40 05 19 00-1818 EA 42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,876.87	538.08
40 05 19 00-1819 EA 42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,972.79	601.39
40 05 19 00-1820 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,164.30	628.51
40 05 19 00-1821 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,681.03	764.17
40 05 19 00-1822 EA 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	21,436.93	835.39
40 05 19 00-1823 EA 48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,041.12	529.27
40 05 19 00-1824 EA 48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,057.90	540.34
40 05 19 00-1825 EA 48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,184.12	586.69
40 05 19 00-1826 EA 48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,221.80	611.56
40 05 19 00-1827 EA 48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,392.12	674.86
40 05 19 00-1828 EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,565.23	701.99
40 05 19 00-1829 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	18,034.76	837.64
40 05 19 00-1830	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base	
<small>(40 05 19 00-0001)</small>		
40 05 19 00-1831 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	411.95	119.83
40 05 19 00-1832 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	560.15	147.41
40 05 19 00-1833 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	816.58	164.59
40 05 19 00-1834 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,241.66	213.87
40 05 19 00-1835 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,668.72	233.32
40 05 19 00-1836 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,864.23	250.95
40 05 19 00-1837 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	2,313.97	316.51
40 05 19 00-1838 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	2,811.29	361.73
40 05 19 00-1839 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,754.36	456.69
40 05 19 00-1840 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	5,407.09	504.17
40 05 19 00-1841 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	9,064.66	696.34
40 05 19 00-1842 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	12,922.01	798.08
40 05 19 00-1843	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes	
<small>(40 05 19 00-0001)</small>		
40 05 19 00-1844 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	335.15	119.83
40 05 19 00-1845 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	468.95	147.41
40 05 19 00-1846 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	678.18	164.59
40 05 19 00-1847 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	891.26	213.87
40 05 19 00-1848 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,271.12	233.32
40 05 19 00-1849 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,649.83	250.95
40 05 19 00-1850	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses	
<small>(40 05 19 00-0001)</small>		
40 05 19 00-1851 EA 4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	460.46	165.05
40 05 19 00-1852 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	607.76	178.84
40 05 19 00-1853 EA 6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	643.73	199.41
40 05 19 00-1854 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	749.81	181.77
40 05 19 00-1855 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	817.32	205.73
40 05 19 00-1856 EA 8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	846.22	221.11
40 05 19 00-1857 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	970.14	196.24
40 05 19 00-1858 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,068.05	220.21
40 05 19 00-1859 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,168.14	235.58
40 05 19 00-1860 EA 10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,450.12	290.75
40 05 19 00-1861 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,256.64	203.70
40 05 19 00-1862 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,323.35	227.66
40 05 19 00-1863 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,424.25	243.04
40 05 19 00-1864 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,721.42	298.21
40 05 19 00-1865 EA 12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,620.83	314.71
40 05 19 00-1866 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,578.08	234.22
40 05 19 00-1867 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,678.18	249.59
40 05 19 00-1868 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,868.96	304.76
40 05 19 00-1869 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,032.36	321.27
40 05 19 00-1870 EA 14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,132.00	336.86
40 05 19 00-1871 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,883.20	253.44
40 05 19 00-1872 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,997.70	268.81
40 05 19 00-1873 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,188.48	323.98
40 05 19 00-1874 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,367.08	340.48
40 05 19 00-1875 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,301.92	356.08
40 05 19 00-1876 EA 16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,685.25	429.56
40 05 19 00-1877 EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,960.43	273.79
40 05 19 00-1878 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,074.13	289.16
40 05 19 00-1879 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,234.50	344.33
40 05 19 00-1880 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,412.31	360.83
40 05 19 00-1881 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,771.95	376.43
40 05 19 00-1882 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,021.67	449.91
40 05 19 00-1883 EA 18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,158.21	479.30
40 05 19 00-1884 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,554.79	305.44
40 05 19 00-1885 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,676.48	320.82
40 05 19 00-1886 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,825.66	375.98
40 05 19 00-1887 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,015.47	392.48

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1888	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,071.91	408.08
40 05 19 00-1889	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,743.24	481.56
40 05 19 00-1890	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,886.17	510.95
40 05 19 00-1891	EA	20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,261.24	605.91
40 05 19 00-1892	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,376.02	325.79
40 05 19 00-1893	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,464.11	341.16
40 05 19 00-1894	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,662.89	396.33
40 05 19 00-1895	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,787.10	412.83
40 05 19 00-1896	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,860.34	428.43
40 05 19 00-1897	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,086.86	501.91
40 05 19 00-1898	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,301.00	531.30
40 05 19 00-1899	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,604.74	591.33
40 05 19 00-1900	EA	24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,170.65	660.17
40 05 19 00-1901	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,233.54	469.35
40 05 19 00-1902	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,274.77	484.95
40 05 19 00-1903	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,509.30	558.43
40 05 19 00-1904	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,589.03	587.82
40 05 19 00-1905	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,927.31	682.77
40 05 19 00-1906	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,007.49	716.69
40 05 19 00-1907	EA	30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	10,231.32	931.47
40 05 19 00-1908	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	8,807.08	597.09
40 05 19 00-1909	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	8,827.29	610.43
40 05 19 00-1910	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,025.26	670.34
40 05 19 00-1911	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,100.78	697.47
40 05 19 00-1912	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,379.87	776.60
40 05 19 00-1913	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,708.51	807.12
40 05 19 00-1914	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,130.79	982.34
40 05 19 00-1915	EA	36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	14,398.33	1,073.90
40 05 19 00-1916	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,007.51	537.18
40 05 19 00-1917	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,031.14	552.78
40 05 19 00-1918	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,255.27	626.26
40 05 19 00-1919	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,318.20	655.64
40 05 19 00-1920	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,631.68	750.60
40 05 19 00-1921	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,965.46	784.51
40 05 19 00-1922	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,978.08	999.29
40 05 19 00-1923	EA	42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	24,846.85	1,111.20
40 05 19 00-1924	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,411.69	1,247.98
40 05 19 00-1925	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,450.47	626.26
40 05 19 00-1926	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,675.40	699.73
40 05 19 00-1927	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,738.33	729.12
40 05 19 00-1928	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,032.60	824.07
40 05 19 00-1929	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,366.38	857.99
40 05 19 00-1930	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	19,199.81	1,072.77

40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers (40 05 19 00-0001)

40 05 19 00-1932	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	245.60	85.01
40 05 19 00-1933	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	313.59	91.34
40 05 19 00-1934	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	345.35	101.73
40 05 19 00-1935	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	421.91	105.80
40 05 19 00-1936	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	425.67	116.21
40 05 19 00-1937	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	497.66	122.54
40 05 19 00-1938	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	539.16	113.49
40 05 19 00-1939	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	557.32	123.90
40 05 19 00-1940	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	610.92	130.22
40 05 19 00-1941	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	687.23	144.70
40 05 19 00-1942	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	843.72	123.90
40 05 19 00-1943	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	671.72	130.22
40 05 19 00-1944	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	742.90	136.56
40 05 19 00-1945	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	816.83	151.02
40 05 19 00-1946	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	794.07	158.71
40 05 19 00-1947	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	998.67	139.05
40 05 19 00-1948	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	808.82	149.44
40 05 19 00-1949	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	764.02	155.77
40 05 19 00-1950	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	851.55	170.24
40 05 19 00-1951	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,055.65	177.70
40 05 19 00-1952	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,135.98	184.26
40 05 19 00-1953	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,263.66	169.79
40 05 19 00-1954	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,001.24	176.12
40 05 19 00-1955	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,099.97	190.59
40 05 19 00-1956	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,092.88	198.05
40 05 19 00-1957	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,258.01	204.61
40 05 19 00-1958	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,255.93	223.83
40 05 19 00-1959	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,293.21	201.44
40 05 19 00-1960	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,254.01	207.77
40 05 19 00-1961	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,358.33	222.24
40 05 19 00-1962	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,324.04	229.70
40 05 19 00-1963	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,528.37	236.26
40 05 19 00-1964	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,434.28	255.48
40 05 19 00-1965	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,769.12	275.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1966 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,696.03	228.12
40 05 19 00-1967 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,915.56	242.59
40 05 19 00-1968 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,060.46	250.05
40 05 19 00-1969 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,115.20	256.61
40 05 19 00-1970 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,871.52	275.83
40 05 19 00-1971 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,259.95	296.17
40 05 19 00-1972 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,386.98	292.90
40 05 19 00-1973 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,255.55	332.35
40 05 19 00-1974 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,392.78	352.69
40 05 19 00-1975 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,652.74	384.34
40 05 19 00-1976 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,036.37	404.69
40 05 19 00-1977 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,449.00	362.86
40 05 19 00-1978 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,673.42	383.21
40 05 19 00-1979 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,968.59	414.86
40 05 19 00-1980 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,405.81	435.21
40 05 19 00-1981 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,232.25	491.73
40 05 19 00-1982 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,565.53	472.51
40 05 19 00-1983 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,553.57	529.04
40 05 19 00-1984 EA 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,672.62	559.56
40 05 19 00-1985 EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,614.47	545.99
40 05 19 00-1986 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,791.30	602.51
40 05 19 00-1987 EA 48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,060.75	633.04
40 05 19 00-1988 EA 48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	13,510.06	670.34
40 05 19 00-1989 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers (40 05 19 00-0001)		
40 05 19 00-1990 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	267.20	85.01
40 05 19 00-1991 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	338.39	91.34
40 05 19 00-1992 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	384.55	101.73
40 05 19 00-1993 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	421.91	105.80
40 05 19 00-1994 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	452.07	116.21
40 05 19 00-1995 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	522.46	122.54
40 05 19 00-1996 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	539.16	113.49
40 05 19 00-1997 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	586.12	123.90
40 05 19 00-1998 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	641.32	130.22
40 05 19 00-1999 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	740.03	144.70
40 05 19 00-2000 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	671.72	130.22
40 05 19 00-2001 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	727.70	136.56
40 05 19 00-2002 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	811.23	151.02
40 05 19 00-2003 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	929.27	158.71
40 05 19 00-2004 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	808.82	149.44
40 05 19 00-2005 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	878.42	155.77
40 05 19 00-2006 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	977.15	170.24
40 05 19 00-2007 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,080.45	177.70
40 05 19 00-2008 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,135.98	184.26
40 05 19 00-2009 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,001.24	176.12
40 05 19 00-2010 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,099.97	190.59
40 05 19 00-2011 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,203.28	198.05
40 05 19 00-2012 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,258.01	204.61
40 05 19 00-2013 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,379.13	223.83
40 05 19 00-2014 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,464.41	201.44
40 05 19 00-2015 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,336.41	207.77
40 05 19 00-2016 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,358.33	222.24
40 05 19 00-2017 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,484.84	229.70
40 05 19 00-2018 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,528.37	236.26
40 05 19 00-2019 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,671.08	255.48
40 05 19 00-2020 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,768.32	275.83
40 05 19 00-2021 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,860.83	228.12
40 05 19 00-2022 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,915.56	242.59
40 05 19 00-2023 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,959.66	250.05
40 05 19 00-2024 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,002.40	256.61
40 05 19 00-2025 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,147.52	275.83
40 05 19 00-2026 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,259.95	296.17
40 05 19 00-2027 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,386.98	292.90
40 05 19 00-2028 EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,897.64	313.13
40 05 19 00-2029 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,802.75	332.35
40 05 19 00-2030 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,410.38	352.69
40 05 19 00-2031 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,652.74	384.34
40 05 19 00-2032 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,036.37	404.69
40 05 19 00-2033 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,484.20	362.86
40 05 19 00-2034 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,673.42	383.21
40 05 19 00-2035 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,950.99	414.86
40 05 19 00-2036 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,386.61	435.21
40 05 19 00-2037 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,214.65	491.73
40 05 19 00-2038 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,565.53	472.51
40 05 19 00-2039 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,393.57	529.04
40 05 19 00-2040 EA 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,672.62	559.56
40 05 19 00-2041 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	10,791.30	602.51
40 05 19 00-2042 EA 48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,060.75	633.04
40 05 19 00-2043 EA 48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,510.06	670.34

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2044			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges ⁽⁴⁰⁾ <small>05 19 00-0001</small>		
40 05 19 00-2045	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	94.93	29.39
40 05 19 00-2046	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	142.57	43.41
40 05 19 00-2047	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	206.91	51.55
40 05 19 00-2048	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	284.72	60.14
40 05 19 00-2049	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	367.67	70.54
40 05 19 00-2050	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	486.29	79.13
40 05 19 00-2051	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	581.02	90.43
40 05 19 00-2052	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	787.03	126.61
40 05 19 00-2053	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,045.39	158.26
40 05 19 00-2054	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,489.57	192.17
40 05 19 00-2055	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	2,100.73	223.83
40 05 19 00-2056	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	3,754.18	246.43
40 05 19 00-2057	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	5,294.26	271.30
40 05 19 00-2058	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	6,997.65	305.21
40 05 19 00-2059			Ductile Iron Bolt Packs ^(40 05 19) Note: Labor installation is included with pipe fittings or valves.		
40 05 19 00-2060	EA		4" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	21.74	
			Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	6.09	
			For Hot Dip Galvanized, Add	8.70	
40 05 19 00-2061	EA		6" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	33.55	
			Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	9.39	
			For Hot Dip Galvanized, Add	13.42	
40 05 19 00-2062	EA		8" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	36.43	
			Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	10.20	
			For Hot Dip Galvanized, Add	14.57	
40 05 19 00-2063	EA		10" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	81.82	
			Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	22.91	
			For Hot Dip Galvanized, Add	32.73	
40 05 19 00-2064	EA		12" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	82.54	
			Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	23.11	
			For Hot Dip Galvanized, Add	33.02	
40 05 19 00-2065	EA		14" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	92.47	
			Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	25.89	
			For Hot Dip Galvanized, Add	36.99	
40 05 19 00-2066	EA		16" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	155.46	
			Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	43.53	
			For Hot Dip Galvanized, Add	62.18	
40 05 19 00-2067	EA		18" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	225.84	
			Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	63.24	
			For Hot Dip Galvanized, Add	90.34	
40 05 19 00-2068	EA		20" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	285.15	
			Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	79.84	
			For Hot Dip Galvanized, Add	114.06	
40 05 19 00-2069	EA		24" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	408.00	
			Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	114.24	
			For Hot Dip Galvanized, Add	163.20	
40 05 19 00-2070	EA		30" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	644.70	
			Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	180.52	
			For Hot Dip Galvanized, Add	257.88	
40 05 19 00-2071	EA		36" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	919.68	
			Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	257.51	
			For Hot Dip Galvanized, Add	367.87	
40 05 19 00-2072	EA		42" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,183.14	
			Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	331.28	
			For Hot Dip Galvanized, Add	473.26	
40 05 19 00-2073	EA		48" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,446.06	
			Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	404.90	
			For Hot Dip Galvanized, Add	578.42	
40 05 19 00-2074			Full Face Flange Gaskets, ANSI/AWWA C115/A21.15 ^(40 05 19) Note: Labor installation is included with pipe fittings or valves.		
40 05 19 00-2075			Full Face Flange Styrene Butadiene (SBR) Gaskets ^(40 05 19 00-2074)		
40 05 19 00-2076	EA		4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	5.85	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2077	EA			6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	7.45	
40 05 19 00-2078	EA			8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	10.11	
40 05 19 00-2079	EA			10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	11.71	
40 05 19 00-2080	EA			12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	12.77	
40 05 19 00-2081	EA			14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	21.28	
40 05 19 00-2082	EA			16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	26.07	
40 05 19 00-2083	EA			18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	27.67	
40 05 19 00-2084	EA			20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	42.57	
40 05 19 00-2085	EA			24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	45.76	
40 05 19 00-2086	EA			30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	59.06	
40 05 19 00-2087	EA			36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	67.58	
40 05 19 00-2088	EA			42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	72.37	
40 05 19 00-2089	EA			48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	79.28	
40 05 19 00-2090				Full Face Flange Nitrile Buna-N (NBR) Gaskets (40 05 19 00-2074)		
Note: (Acrylonitrile Butadiene)						
40 05 19 00-2091	EA			4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	18.09	
40 05 19 00-2092	EA			6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	25.54	
40 05 19 00-2093	EA			8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	39.38	
40 05 19 00-2094	EA			10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	43.10	
40 05 19 00-2095	EA			12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	46.29	
40 05 19 00-2096	EA			14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	87.26	
40 05 19 00-2097	EA			16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	107.48	
40 05 19 00-2098	EA			18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	108.02	
40 05 19 00-2099	EA			20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	112.27	
40 05 19 00-2100	EA			24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	118.66	
40 05 19 00-2101	EA			30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	131.43	
40 05 19 00-2102	EA			36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	144.73	
40 05 19 00-2103	EA			42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	205.92	
40 05 19 00-2104	EA			48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	225.08	
40 05 19 00-2105				Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets (40 05 19 00-2074)		
40 05 19 00-2106	EA			4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	15.96	
40 05 19 00-2107	EA			6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	20.75	
40 05 19 00-2108	EA			8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	28.20	
40 05 19 00-2109	EA			10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	32.99	
40 05 19 00-2110	EA			12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	36.71	
40 05 19 00-2111	EA			14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	60.66	
40 05 19 00-2112	EA			16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	72.90	
40 05 19 00-2113	EA			18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	73.43	
40 05 19 00-2114	EA			20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	75.03	
40 05 19 00-2115	EA			24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	87.26	
40 05 19 00-2116	EA			30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	106.95	
40 05 19 00-2117	EA			36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	121.85	
40 05 19 00-2118	EA			42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	174.53	
40 05 19 00-2119	EA			48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	192.62	
40 05 19 00-2120				Full Face Flange Neoprene Gaskets (40 05 19 00-2074)		
Note: (Polychloroprene)						
40 05 19 00-2121	EA			4" Full Face Flange Neoprene Gasket, 1/8" Thick.....	18.62	
40 05 19 00-2122	EA			6" Full Face Flange Neoprene Gasket, 1/8" Thick.....	26.07	
40 05 19 00-2123	EA			8" Full Face Flange Neoprene Gasket, 1/8" Thick.....	39.91	
40 05 19 00-2124	EA			10" Full Face Flange Neoprene Gasket, 1/8" Thick.....	43.10	
40 05 19 00-2125	EA			12" Full Face Flange Neoprene Gasket, 1/8" Thick.....	46.29	
40 05 19 00-2126	EA			14" Full Face Flange Neoprene Gasket, 1/8" Thick.....	61.72	
40 05 19 00-2127	EA			16" Full Face Flange Neoprene Gasket, 1/8" Thick.....	108.55	
40 05 19 00-2128	EA			18" Full Face Flange Neoprene Gasket, 1/8" Thick.....	109.08	
40 05 19 00-2129	EA			20" Full Face Flange Neoprene Gasket, 1/8" Thick.....	115.47	
40 05 19 00-2130	EA			24" Full Face Flange Neoprene Gasket, 1/8" Thick.....	117.06	
40 05 19 00-2131	EA			30" Full Face Flange Neoprene Gasket, 1/8" Thick.....	127.17	
40 05 19 00-2132	EA			36" Full Face Flange Neoprene Gasket, 1/8" Thick.....	143.13	
40 05 19 00-2133	EA			42" Full Face Flange Neoprene Gasket, 1/8" Thick.....	207.52	
40 05 19 00-2134	EA			48" Full Face Flange Neoprene Gasket, 1/8" Thick.....	227.21	
40 05 19 00-2135				Full Face Flange FKM Gaskets (40 05 19 00-2074)		
Note: (Fluoroelastomer Fluorel Viton®)						
40 05 19 00-2136	EA			4" Full Face Flange FKM Gasket, 1/8" Thick.....	45.00	
40 05 19 00-2137	EA			6" Full Face Flange FKM Gasket, 1/8" Thick.....	67.00	
40 05 19 00-2138	EA			8" Full Face Flange FKM Gasket, 1/8" Thick.....	89.50	
40 05 19 00-2139	EA			10" Full Face Flange FKM Gasket, 1/8" Thick.....	108.00	
40 05 19 00-2140	EA			12" Full Face Flange FKM Gasket, 1/8" Thick.....	140.50	
40 05 19 00-2141	EA			14" Full Face Flange FKM Gasket, 1/8" Thick.....	257.00	
40 05 19 00-2142	EA			16" Full Face Flange FKM Gasket, 1/8" Thick.....	294.50	
40 05 19 00-2143	EA			18" Full Face Flange FKM Gasket, 1/8" Thick.....	308.50	
40 05 19 00-2144	EA			20" Full Face Flange FKM Gasket, 1/8" Thick.....	329.00	
40 05 19 00-2145	EA			24" Full Face Flange FKM Gasket, 1/8" Thick.....	455.00	
40 05 19 00-2146	EA			30" Full Face Flange FKM Gasket, 1/8" Thick.....	545.50	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2147	EA		36" Full Face Flange FKM Gasket, 1/8" Thick	575.50	
40 05 19 00-2148	EA		42" Full Face Flange FKM Gasket, 1/8" Thick	717.50	
40 05 19 00-2149	EA		48" Full Face Flange FKM Gasket, 1/8" Thick	752.00	
40 05 19 00-2150			Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) (40 05 19)		
40 05 19 00-2151	EA		4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	211.50	44.18
40 05 19 00-2152	EA		6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	291.60	53.93
40 05 19 00-2153	EA		8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	428.46	65.77
40 05 19 00-2154	EA		10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	586.19	80.25
40 05 19 00-2155	EA		12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	743.31	97.85
40 05 19 00-2156	EA		14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,185.62	119.38
40 05 19 00-2157	EA		16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,854.98	145.69
40 05 19 00-2158	EA		18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,921.58	177.69
40 05 19 00-2159	EA		20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,353.98	216.84
40 05 19 00-2160	EA		24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,628.08	264.48
40 05 19 00-2161	EA		30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,382.87	322.72
40 05 19 00-2162	EA		36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	5,009.52	393.68
40 05 19 00-2163	EA		42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	12,935.17	480.33
40 05 19 00-2164	EA		48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	16,516.09	585.97
40 05 23			Stainless Steel Process Pipe and Tubing (40 05)		
40 05 23 43			Stainless Steel Process Pipe (40 05 23)		
40 05 23 43-0001			Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly (40 05 23)		
40 05 23 43-0002	LF		1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly..... Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available. Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	21.17	5.76
			<i>For Type 316, Add</i>	2.49	
			<i>For Work In Restricted Working Space, Add</i>	3.48	
40 05 23 43-0003	LF		3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly..... Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	23.81	6.61
			<i>For Type 316, Add</i>	2.61	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
40 05 23 43-0004	LF		1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	27.73	7.46
			Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			<i>For Type 316, Add</i>	3.06	
			<i>For Work In Restricted Working Space, Add</i>	4.79	
40 05 23 43-0005	LF		1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	32.04	9.01
			Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			<i>For Type 316, Add</i>	3.86	
			<i>For Work In Restricted Working Space, Add</i>	5.16	
40 05 23 43-0006	LF		1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	35.44	9.26
			Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			<i>For Type 316, Add</i>	4.42	
			<i>For Work In Restricted Working Space, Add</i>	5.53	
40 05 23 43-0007	LF		2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	42.96	12.24
			Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			<i>For Type 316, Add</i>	5.39	
			<i>For Work In Restricted Working Space, Add</i>	6.67	
40 05 23 43-0008	LF		2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	63.18	15.09
			Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			<i>For Type 316, Add</i>	9.27	
			<i>For Work In Restricted Working Space, Add</i>	8.26	
40 05 23 43-0009	LF		3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	80.10	17.49
			Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			<i>For Type 316, Add</i>	12.07	
			<i>For Work In Restricted Working Space, Add</i>	10.10	
40 05 23 43-0010	LF		4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	109.59	17.49
			Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	12.81	
40 05 23 43-0011			Stainless Steel Tubing And Fittings (40 05 23 43)		
40 05 23 43-0012			Type 304 Tubing (40 05 23 43-0011)		
40 05 23 43-0013			0.035" Wall (40 05 23 43-0012)		
40 05 23 43-0014	LF		1/4", 0.035" Wall, Type 304, Stainless Steel Tubing	4.74	1.90
			<i>For Work In Restricted Working Space, Add</i>	1.13	
40 05 23 43-0015	LF		3/8", 0.035" Wall, Type 304, Stainless Steel Tubing	5.55	2.25
			<i>For Work In Restricted Working Space, Add</i>	1.36	
40 05 23 43-0016	LF		1/2", 0.035" Wall, Type 304, Stainless Steel Tubing	6.59	2.67
			<i>For Work In Restricted Working Space, Add</i>	1.59	
40 05 23 43-0017	LF		5/8", 0.035" Wall, Type 304, Stainless Steel Tubing	10.00	3.02
			<i>For Work In Restricted Working Space, Add</i>	1.81	
40 05 23 43-0018	LF		3/4", 0.035" Wall, Type 304, Stainless Steel Tubing	11.75	3.38
			<i>For Work In Restricted Working Space, Add</i>	2.04	
40 05 23 43-0019	LF		7/8", 0.035" Wall, Type 304, Stainless Steel Tubing	13.02	3.80
			<i>For Work In Restricted Working Space, Add</i>	2.27	
40 05 23 43-0020	LF		1", 0.035" Wall, Type 304, Stainless Steel Tubing	14.72	4.58
			<i>For Work In Restricted Working Space, Add</i>	2.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0021 0.049" Wall <small>(40 05 23 43-0012)</small>		
40 05 23 43-0022 LF 1/4", 0.049" Wall, Type 304, Stainless Steel Tubing.....	7.41	2.25
For Work In Restricted Working Space, Add	1.36	
40 05 23 43-0023 LF 3/8", 0.049" Wall, Type 304, Stainless Steel Tubing.....	8.32	2.67
For Work In Restricted Working Space, Add	1.59	
40 05 23 43-0024 LF 1/2", 0.049" Wall, Type 304, Stainless Steel Tubing.....	9.91	3.02
For Work In Restricted Working Space, Add	1.81	
40 05 23 43-0025 LF 5/8", 0.049" Wall, Type 304, Stainless Steel Tubing.....	12.52	3.80
For Work In Restricted Working Space, Add	2.27	
40 05 23 43-0026 LF 3/4", 0.049" Wall, Type 304, Stainless Steel Tubing.....	14.44	4.58
For Work In Restricted Working Space, Add	2.72	
40 05 23 43-0027 LF 7/8", 0.049" Wall, Type 304, Stainless Steel Tubing.....	16.34	5.28
For Work In Restricted Working Space, Add	3.18	
40 05 23 43-0028 LF 1", 0.049" Wall, Type 304, Stainless Steel Tubing.....	18.80	5.98
For Work In Restricted Working Space, Add	3.61	
40 05 23 43-0029 0.065" Wall <small>(40 05 23 43-0012)</small>		
40 05 23 43-0030 LF 1/4", 0.065" Wall, Type 304, Stainless Steel Tubing.....	8.64	2.67
For Work In Restricted Working Space, Add	1.59	
40 05 23 43-0031 LF 3/8", 0.065" Wall, Type 304, Stainless Steel Tubing.....	9.93	3.02
For Work In Restricted Working Space, Add	1.81	
40 05 23 43-0032 LF 1/2", 0.065" Wall, Type 304, Stainless Steel Tubing.....	12.28	3.80
For Work In Restricted Working Space, Add	2.27	
40 05 23 43-0033 LF 5/8", 0.065" Wall, Type 304, Stainless Steel Tubing.....	14.48	4.58
For Work In Restricted Working Space, Add	2.72	
40 05 23 43-0034 LF 3/4", 0.065" Wall, Type 304, Stainless Steel Tubing.....	17.05	5.28
For Work In Restricted Working Space, Add	3.18	
40 05 23 43-0035 LF 7/8", 0.065" Wall, Type 304, Stainless Steel Tubing.....	19.55	5.98
For Work In Restricted Working Space, Add	3.61	
40 05 23 43-0036 LF 1", 0.065" Wall, Type 304, Stainless Steel Tubing.....	22.03	6.76
For Work In Restricted Working Space, Add	4.06	
40 05 23 43-0037 Type 304 Tube Fittings <small>(40 05 23 43-0011)</small>		
40 05 23 43-0038 90 Degree Elbows <small>(40 05 23 43-0037)</small>		
40 05 23 43-0039 EA 1/4", Type 304, Stainless Steel, 90 Degree Elbow	27.36	7.60
For Work In Restricted Working Space, Add	4.54	
40 05 23 43-0040 EA 3/8", Type 304, Stainless Steel, 90 Degree Elbow	31.97	8.31
For Work In Restricted Working Space, Add	4.97	
40 05 23 43-0041 EA 1/2", Type 304, Stainless Steel, 90 Degree Elbow	46.40	9.36
For Work In Restricted Working Space, Add	5.63	
40 05 23 43-0042 EA 5/8", Type 304, Stainless Steel, 90 Degree Elbow	49.85	10.49
For Work In Restricted Working Space, Add	6.30	
40 05 23 43-0043 EA 3/4", Type 304, Stainless Steel, 90 Degree Elbow	55.53	11.33
For Work In Restricted Working Space, Add	6.81	
40 05 23 43-0044 EA 7/8", Type 304, Stainless Steel, 90 Degree Elbow	74.17	12.59
For Work In Restricted Working Space, Add	7.54	
40 05 23 43-0045 EA 1", Type 304, Stainless Steel, 90 Degree Elbow	93.87	14.99
For Work In Restricted Working Space, Add	8.99	
40 05 23 43-0046 Union Tees <small>(40 05 23 43-0037)</small>		
40 05 23 43-0047 EA 1/4", Type 304, Stainless Steel, Union Tee	43.04	11.33
For Work In Restricted Working Space, Add	6.81	
40 05 23 43-0048 EA 3/8", Type 304, Stainless Steel, Union Tee	51.52	12.59
For Work In Restricted Working Space, Add	7.54	
40 05 23 43-0049 EA 1/2", Type 304, Stainless Steel, Union Tee	68.61	14.08
For Work In Restricted Working Space, Add	8.45	
40 05 23 43-0050 EA 5/8", Type 304, Stainless Steel, Union Tee	74.31	15.97
For Work In Restricted Working Space, Add	9.60	
40 05 23 43-0051 EA 3/4", Type 304, Stainless Steel, Union Tee	93.06	17.17
For Work In Restricted Working Space, Add	10.30	
40 05 23 43-0052 EA 7/8", Type 304, Stainless Steel, Union Tee	143.15	19.01
For Work In Restricted Working Space, Add	11.41	
40 05 23 43-0053 EA 1", Type 304, Stainless Steel, Union Tee	171.50	22.74
For Work In Restricted Working Space, Add	13.62	
40 05 23 43-0054 Unions <small>(40 05 23 43-0037)</small>		
40 05 23 43-0055 EA 1/4", Type 304, Stainless Steel, Union.....	41.42	11.33
For Work In Restricted Working Space, Add	6.81	
40 05 23 43-0056 EA 3/8", Type 304, Stainless Steel, Union.....	52.43	12.59
For Work In Restricted Working Space, Add	7.54	
40 05 23 43-0057 EA 1/2", Type 304, Stainless Steel, Union.....	69.21	14.08
For Work In Restricted Working Space, Add	8.45	
40 05 23 43-0058 EA 5/8", Type 304, Stainless Steel, Union.....	83.71	15.97
For Work In Restricted Working Space, Add	9.60	
40 05 23 43-0059 EA 3/4", Type 304, Stainless Steel, Union.....	98.78	17.17
For Work In Restricted Working Space, Add	10.30	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0060	EA		7/8", Type 304, Stainless Steel, Union..... <i>For Work In Restricted Working Space, Add</i>	147.71 11.41	19.01
40 05 23 43-0061	EA		1", Type 304, Stainless Steel, Union..... <i>For Work In Restricted Working Space, Add</i>	158.58 13.62	22.74
40 05 23 43-0062			Male Connectors <small>(40 05 23 43-0037)</small>		
40 05 23 43-0063	EA		1/4" x 1/4", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	21.56 4.54	7.60
40 05 23 43-0064	EA		3/8" x 3/8", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	26.28 4.97	8.31
40 05 23 43-0065	EA		1/2" x 1/2", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	33.30 5.63	9.36
40 05 23 43-0066	EA		5/8" x 5/8" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	37.50 6.30	10.49
40 05 23 43-0067	EA		3/4" x 3/4", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	44.56 6.81	11.33
40 05 23 43-0068	EA		7/8" x 7/8", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	64.55 7.54	12.59
40 05 23 43-0069	EA		1" x 1", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	68.62 8.99	14.99
40 05 23 43-0070			Type 304 Valves <small>(40 05 23 43-0011)</small>		
40 05 23 43-0071			Gate Valves <small>(40 05 23 43-0070)</small>		
40 05 23 43-0072	EA		1/4" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	152.52 6.15	11.33
40 05 23 43-0073	EA		3/8" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	259.62 6.47	13.30
40 05 23 43-0074	EA		1/2" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	268.00 8.99	14.99
40 05 23 43-0075	EA		3/4" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	296.86 10.30	17.17
40 05 23 43-0076	EA		1" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	269.67 13.62	22.74
40 05 23 43-0077			Globe Valves <small>(40 05 23 43-0070)</small>		
40 05 23 43-0078	EA		1/4" Globe Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	154.68 6.15	11.33
40 05 23 43-0079	EA		3/8" Globe Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	100.55 6.47	13.30
40 05 23 43-0080	EA		1/2" Globe Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	182.44 8.99	14.99
40 05 23 43-0081	EA		3/4" Globe Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	202.89 10.30	17.17
40 05 23 43-0082	EA		1" Globe Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	296.91 13.62	22.74
40 05 23 43-0083			Check Valves <small>(40 05 23 43-0070)</small>		
40 05 23 43-0084	EA		1/4" Check Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	218.24 6.15	11.33
40 05 23 43-0085	EA		3/8" Check Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	219.31 6.47	13.30
40 05 23 43-0086	EA		1/2" Check Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	140.48 8.99	14.99
40 05 23 43-0087	EA		3/4" Check Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	146.47 10.30	17.17
40 05 23 43-0088	EA		1" Check Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	160.74 13.62	22.74
40 05 23 43-0089			Plug Valves <small>(40 05 23 43-0070)</small>		
40 05 23 43-0090	EA		1/2" Plug Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	337.91 8.99	14.99
40 05 23 43-0091	EA		3/4" Plug Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	369.67 10.30	17.17
40 05 23 43-0092	EA		1" Plug Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	417.23 13.62	22.74
40 05 23 43-0093	EA		1-1/2" Plug Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	581.87 15.41	25.69
40 05 23 43-0094	EA		2" Plug Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	757.00 21.11	35.19
40 05 23 43-0095			Type 316 Tubing <small>(40 05 23 43-0011)</small>		
40 05 23 43-0096			0.035" Wall <small>(40 05 23 43-0095)</small>		
40 05 23 43-0097	LF		1/4" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	4.89 1.13	1.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0098 LF 3/8" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	6.27 1.36	2.25
40 05 23 43-0099 LF 1/2" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	7.03 1.59	2.67
40 05 23 43-0100 LF 5/8" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	11.16 1.81	3.02
40 05 23 43-0101 LF 3/4" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	12.66 2.04	3.38
40 05 23 43-0102 LF 7/8" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	15.81 2.27	3.80
40 05 23 43-0103 LF 1" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	16.88 2.72	4.58
40 05 23 43-0104 0.049" Wall <small>(40 05 23 43-0095)</small>		
40 05 23 43-0105 LF 1/4" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	8.03 1.36	2.25
40 05 23 43-0106 LF 3/8" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	8.97 1.59	2.67
40 05 23 43-0107 LF 1/2" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	10.52 1.81	3.02
40 05 23 43-0108 LF 5/8" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	13.66 2.27	3.80
40 05 23 43-0109 LF 3/4" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	15.85 2.72	4.58
40 05 23 43-0110 LF 7/8" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	19.97 3.18	5.28
40 05 23 43-0111 LF 1" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	20.70 3.61	5.98
40 05 23 43-0112 0.065" Wall <small>(40 05 23 43-0095)</small>		
40 05 23 43-0113 LF 1/4" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	9.39 1.59	2.67
40 05 23 43-0114 LF 3/8" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	10.50 1.81	3.02
40 05 23 43-0115 LF 1/2" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	13.18 2.27	3.80
40 05 23 43-0116 LF 5/8" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	15.72 2.72	4.58
40 05 23 43-0117 LF 3/4" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	18.94 3.18	5.28
40 05 23 43-0118 LF 7/8" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	20.95 3.61	5.98
40 05 23 43-0119 LF 1" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	24.28 4.06	6.76
40 05 23 43-0120 Type 316 Tube Fittings <small>(40 05 23 43-0011)</small>		
40 05 23 43-0121 90 Degree Elbows <small>(40 05 23 43-0120)</small>		
40 05 23 43-0122 EA 1/4" 90 Degree Elbow, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	36.18 4.54	7.60
40 05 23 43-0123 EA 3/8" 90 Degree Elbow, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	43.10 4.97	8.31
40 05 23 43-0124 EA 1/2" 90 Degree Elbow, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	66.35 5.63	9.36
40 05 23 43-0125 EA 5/8" 90 Degree Elbow, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	70.66 6.30	10.49
40 05 23 43-0126 EA 3/4" 90 Degree Elbow, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	79.23 6.81	11.33
40 05 23 43-0127 EA 7/8" 90 Degree Elbow, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	109.57 7.54	12.59
40 05 23 43-0128 EA 1" 90 Degree Elbow, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	140.01 8.99	14.99
40 05 23 43-0129 Union Tees <small>(40 05 23 43-0120)</small>		
40 05 23 43-0130 EA 1/4" Union Tee, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	57.72 6.81	11.33
40 05 23 43-0131 EA 3/8" Union Tee, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	70.56 7.54	12.59
40 05 23 43-0132 EA 1/2" Union Tee, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	97.83 8.45	14.08
40 05 23 43-0133 EA 5/8" Union Tee, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	104.87 9.60	15.97
40 05 23 43-0134 EA 3/4" Union Tee, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	135.47 10.30	17.17
40 05 23 43-0135 EA 7/8" Union Tee, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	219.03 11.41	19.01
40 05 23 43-0136 EA 1" Union Tee, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	262.55 13.62	22.74

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0137			Unions <small>(40 05 23 43-0120)</small>		
40 05 23 43-0138	EA		1/4" Union, Stainless Steel Type 316.....	39.18	11.33
			<i>For Work In Restricted Working Space, Add</i>	6.81	
40 05 23 43-0139	EA		3/8" Union, Stainless Steel Type 316.....	49.17	12.59
			<i>For Work In Restricted Working Space, Add</i>	7.54	
40 05 23 43-0140	EA		1/2" Union, Stainless Steel Type 316.....	64.30	14.08
			<i>For Work In Restricted Working Space, Add</i>	8.45	
40 05 23 43-0141	EA		5/8" Union, Stainless Steel Type 316.....	77.52	15.97
			<i>For Work In Restricted Working Space, Add</i>	9.60	
40 05 23 43-0142	EA		3/4" Union, Stainless Steel Type 316.....	91.08	17.17
			<i>For Work In Restricted Working Space, Add</i>	10.30	
40 05 23 43-0143	EA		7/8" Union, Stainless Steel Type 316.....	134.60	19.01
			<i>For Work In Restricted Working Space, Add</i>	11.41	
40 05 23 43-0144	EA		1" Union, Stainless Steel Type 316.....	145.05	22.74
			<i>For Work In Restricted Working Space, Add</i>	13.62	
40 05 23 43-0145			Male Connectors <small>(40 05 23 43-0120)</small>		
40 05 23 43-0146	EA		1/4" x 1/4" Male Connector, Stainless Steel Type 316.....	26.11	7.60
			<i>For Work In Restricted Working Space, Add</i>	4.54	
40 05 23 43-0147	EA		3/8" x 3/8" Male Connector, Stainless Steel Type 316.....	33.15	8.31
			<i>For Work In Restricted Working Space, Add</i>	4.97	
40 05 23 43-0148	EA		1/2" x 1/2" Male Connector, Stainless Steel Type 316.....	43.59	9.36
			<i>For Work In Restricted Working Space, Add</i>	5.63	
40 05 23 43-0149	EA		5/8" x 5/8" Male Connector, Stainless Steel Type 316.....	49.15	10.49
			<i>For Work In Restricted Working Space, Add</i>	6.30	
40 05 23 43-0150	EA		3/4" x 3/4" Male Connector, Stainless Steel Type 316.....	60.01	11.33
			<i>For Work In Restricted Working Space, Add</i>	6.81	
40 05 23 43-0151	EA		7/8" x 7/8" Male Connector, Stainless Steel Type 316.....	92.41	12.59
			<i>For Work In Restricted Working Space, Add</i>	7.54	
40 05 23 43-0152	EA		1" x 1" Male Connector, Stainless Steel Type 316.....	95.96	14.99
			<i>For Work In Restricted Working Space, Add</i>	8.99	
40 05 23 43-0153			Type 316 Valves <small>(40 05 23 43-0011)</small>		
40 05 23 43-0154			Gate Valves <small>(40 05 23 43-0153)</small>		
40 05 23 43-0155	EA		1/4" Gate Valve, Stainless Steel Type 316.....	195.14	11.33
			<i>For Work In Restricted Working Space, Add</i>	6.15	
40 05 23 43-0156	EA		3/8" Gate Valve, Stainless Steel Type 316.....	336.48	13.30
			<i>For Work In Restricted Working Space, Add</i>	6.47	
40 05 23 43-0157	EA		1/2" Gate Valve, Stainless Steel Type 316.....	344.86	14.99
			<i>For Work In Restricted Working Space, Add</i>	8.99	
40 05 23 43-0158	EA		3/4" Gate Valve, Stainless Steel Type 316.....	381.62	17.17
			<i>For Work In Restricted Working Space, Add</i>	10.30	
40 05 23 43-0159	EA		1" Gate Valve, Stainless Steel Type 316.....	342.08	22.74
			<i>For Work In Restricted Working Space, Add</i>	13.62	
40 05 23 43-0160	EA		1-1/4" Gate Valve, Stainless Steel Type 316.....	473.56	23.57
			<i>For Work In Restricted Working Space, Add</i>	14.15	
40 05 23 43-0161	EA		1-1/2" Gate Valve, Stainless Steel Type 316.....	766.59	25.69
			<i>For Work In Restricted Working Space, Add</i>	15.41	
40 05 23 43-0162	EA		2" Gate Valve, Stainless Steel Type 316.....	909.57	35.19
			<i>For Work In Restricted Working Space, Add</i>	21.11	
40 05 23 43-0163	EA		2-1/2" Gate Valve, Stainless Steel Type 316.....	1,321.96	112.68
			<i>For Work In Restricted Working Space, Add</i>	67.59	
40 05 23 43-0164			Globe Valves <small>(40 05 23 43-0153)</small>		
40 05 23 43-0165	EA		1/4" Globe Valve, Stainless Steel Type 316.....	198.00	11.33
			<i>For Work In Restricted Working Space, Add</i>	6.15	
40 05 23 43-0166	EA		3/8" Globe Valve, Stainless Steel Type 316.....	126.05	13.30
			<i>For Work In Restricted Working Space, Add</i>	6.47	
40 05 23 43-0167	EA		1/2" Globe Valve, Stainless Steel Type 316.....	231.67	14.99
			<i>For Work In Restricted Working Space, Add</i>	8.99	
40 05 23 43-0168	EA		3/4" Globe Valve, Stainless Steel Type 316.....	257.31	17.17
			<i>For Work In Restricted Working Space, Add</i>	10.30	
40 05 23 43-0169	EA		1" Globe Valve, Stainless Steel Type 316.....	378.11	22.74
			<i>For Work In Restricted Working Space, Add</i>	13.62	
40 05 23 43-0170	EA		1-1/4" Globe Valve, Stainless Steel Type 316.....	474.59	23.43
			<i>For Work In Restricted Working Space, Add</i>	14.04	
40 05 23 43-0171	EA		1-1/2" Globe Valve, Stainless Steel Type 316.....	795.20	25.69
			<i>For Work In Restricted Working Space, Add</i>	15.41	
40 05 23 43-0172	EA		2" Globe Valve, Stainless Steel Type 316.....	938.18	35.19
			<i>For Work In Restricted Working Space, Add</i>	21.11	
40 05 23 43-0173	EA		2-1/2" Globe Valve, Stainless Steel Type 316.....	1,140.77	112.68
			<i>For Work In Restricted Working Space, Add</i>	67.59	
40 05 23 43-0174			Check Valves <small>(40 05 23 43-0153)</small>		
40 05 23 43-0175	EA		1/4" Check Valve, Stainless Steel Type 316.....	282.09	11.33
			<i>For Work In Restricted Working Space, Add</i>	6.15	
40 05 23 43-0176	EA		3/8" Check Valve, Stainless Steel Type 316.....	283.16	13.30
			<i>For Work In Restricted Working Space, Add</i>	6.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0177 EA 1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	176.17 8.99	14.99
40 05 23 43-0178 EA 3/4" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	182.67 10.30	17.17
40 05 23 43-0179 EA 1" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	197.98 13.62	22.74
40 05 23 43-0180 EA 1-1/4" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	277.75 14.15	23.57
40 05 23 43-0181 EA 1-1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	633.08 15.41	25.69
40 05 23 43-0182 EA 2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	766.53 21.11	35.19
40 05 23 43-0183 EA 2-1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,496.80 67.59	112.68
40 05 23 43-0184 Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined <small>(40 05 23 43-0153)</small>		
40 05 23 43-0185 EA 1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	301.05 8.99	14.99
40 05 23 43-0186 EA 3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	351.85 10.30	17.17
40 05 23 43-0187 EA 1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	448.33 13.62	22.74
40 05 23 43-0188 EA 1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	719.83 15.41	25.69
40 05 23 43-0189 EA 2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	1,006.22 21.11	35.19
40 05 23 43-0190 Diaphragm Valves, Teflon Lined <small>(40 05 23 43-0153)</small>		
40 05 23 43-0191 EA 1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	401.32 8.99	14.99
40 05 23 43-0192 EA 3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	461.40 10.30	17.17
40 05 23 43-0193 EA 1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	557.89 13.62	22.74
40 05 23 43-0194 EA 1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	873.94 15.41	25.69
40 05 23 43-0195 EA 2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	1,190.05 21.11	35.19
40 05 23 43-0196 Strainers <small>(40 05 23 43-0153)</small>		
40 05 23 43-0197 EA 1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	402.28 8.99	14.99
40 05 23 43-0198 EA 3/4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	481.78 10.34	17.24
40 05 23 43-0199 EA 1" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	630.21 13.73	22.87
40 05 23 43-0200 EA 1-1/4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	785.08 14.15	23.57
40 05 23 43-0201 EA 1-1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	987.46 15.41	25.69
40 05 23 43-0202 EA 2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,425.03 21.12	35.19
40 05 23 43-0203 EA 2-1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,959.19 28.08	46.81
40 05 23 43-0204 EA 3" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	2,851.96 42.23	70.38
40 05 23 43-0205 EA 4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	3,638.71 67.56	112.61
40 05 23 43-0206 Plug Valves <small>(40 05 23 43-0153)</small>		
40 05 23 43-0207 EA 1/2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	429.20 8.99	14.99
40 05 23 43-0208 EA 3/4" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	469.06 10.30	17.17
40 05 23 43-0209 EA 1" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	527.45 13.62	22.74
40 05 23 43-0210 EA 1-1/2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	739.12 15.41	25.69
40 05 23 43-0211 EA 2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	960.53 21.11	35.19
40 05 23 43-0212 Stainless Steel Pipe And Fittings <small>(40 05 23 43)</small>		
40 05 23 43-0213 Type 304, Schedule 40 Pipe And 150 LB Threaded Fittings <small>(40 05 23 43-0212)</small>		
40 05 23 43-0214 Pipe <small>(40 05 23 43-0213)</small>		
40 05 23 43-0215 LF 1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	10.75 1.81	3.02

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0216	LF		3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	13.23 2.27	3.80
40 05 23 43-0217	LF		1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	16.28 2.72	4.58
40 05 23 43-0218	LF		1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	19.58 3.18	5.28
40 05 23 43-0219	LF		1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	22.67 3.61	5.98
40 05 23 43-0220	LF		2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	28.97 4.54	7.60
40 05 23 43-0221	LF		2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	39.41 5.42	9.00
40 05 23 43-0222	LF		3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	49.54 6.81	11.33
40 05 23 43-0223	LF		4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	67.10 8.99	14.99
40 05 23 43-0224			90 Degree Elbows <small>(40 05 23 43-0213)</small>		
40 05 23 43-0225	EA		1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	29.26 6.81	11.33
40 05 23 43-0226	EA		3/4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	37.39 8.99	14.99
40 05 23 43-0227	EA		1" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	47.93 11.41	19.01
40 05 23 43-0228	EA		1-1/4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	66.97 15.64	26.04
40 05 23 43-0229	EA		1-1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	78.07 18.36	30.61
40 05 23 43-0230	EA		2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	98.44 22.22	37.02
40 05 23 43-0231	EA		2-1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	184.56 35.19	58.62
40 05 23 43-0232	EA		3" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	236.30 45.41	75.66
40 05 23 43-0233	EA		4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	354.19 56.30	93.81
40 05 23 43-0234			45 Degree Elbows <small>(40 05 23 43-0213)</small>		
40 05 23 43-0235	EA		1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	31.68 6.81	11.33
40 05 23 43-0236	EA		3/4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	39.67 8.99	14.99
40 05 23 43-0237	EA		1" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	48.75 11.41	19.01
40 05 23 43-0238	EA		1-1/4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	65.99 15.64	26.04
40 05 23 43-0239	EA		1-1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	79.12 18.36	30.61
40 05 23 43-0240	EA		2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	99.41 22.22	37.02
40 05 23 43-0241	EA		2-1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	204.93 35.19	58.62
40 05 23 43-0242	EA		3" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	275.21 45.41	75.66
40 05 23 43-0243	EA		4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	411.64 56.30	93.81
40 05 23 43-0244			Tees <small>(40 05 23 43-0213)</small>		
40 05 23 43-0245	EA		1/2" Tee, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	44.16 10.30	17.17
40 05 23 43-0246	EA		3/4" Tee, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	55.89 13.62	22.74
40 05 23 43-0247	EA		1" Tee, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	68.70 16.89	28.15
40 05 23 43-0248	EA		1-1/4" Tee, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	98.47 23.46	39.13
40 05 23 43-0249	EA		1-1/2" Tee, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	113.45 26.39	43.98
40 05 23 43-0250	EA		2" Tee, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	148.06 35.19	58.62
40 05 23 43-0251	EA		2-1/2" Tee, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	271.39 50.88	84.81
40 05 23 43-0252	EA		3" Tee, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	381.94 68.11	113.53
40 05 23 43-0253	EA		4" Tee, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	531.16 84.46	140.76
40 05 23 43-0254			Reducers <small>(40 05 23 43-0213)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0255 EA 3/4" x 1/2" Reducer, Stainless Steel, Schedule 40 Type 304.....	36.12	14.99
<i>For Work In Restricted Working Space, Add</i>	8.99	
40 05 23 43-0256 EA 1" x 3/4" Reducer, Stainless Steel, Schedule 40 Type 304.....	47.16	19.01
<i>For Work In Restricted Working Space, Add</i>	11.41	
40 05 23 43-0257 EA 1-1/4" x 1" Reducer, Stainless Steel, Schedule 40 Type 304.....	70.80	26.04
<i>For Work In Restricted Working Space, Add</i>	15.64	
40 05 23 43-0258 EA 1-1/2" x 1-1/4" Reducer, Stainless Steel, Schedule 40 Type 304.....	81.80	30.61
<i>For Work In Restricted Working Space, Add</i>	18.36	
40 05 23 43-0259 EA 2" x 1-1/2" Reducer, Stainless Steel, Schedule 40 Type 304.....	106.19	37.02
<i>For Work In Restricted Working Space, Add</i>	22.22	
40 05 23 43-0260 EA 2-1/2" x 2" Reducer, Stainless Steel, Schedule 40 Type 304.....	184.76	58.62
<i>For Work In Restricted Working Space, Add</i>	35.19	
40 05 23 43-0261 EA 3" x 2-1/2" Reducer, Stainless Steel, Schedule 40 Type 304.....	223.53	75.66
<i>For Work In Restricted Working Space, Add</i>	45.41	
40 05 23 43-0262 EA 4" x 3" Reducer, Stainless Steel, Schedule 40 Type 304.....	328.54	93.81
<i>For Work In Restricted Working Space, Add</i>	56.30	
40 05 23 43-0263 EA 4" x 2" Reducer, Stainless Steel, Schedule 40 Type 304.....	275.52	86.21
<i>For Work In Restricted Working Space, Add</i>	51.73	
40 05 23 43-0264 Unions <small>(40 05 23 43-0213)</small>		
40 05 23 43-0265 EA 1/2" Union, Stainless Steel, Schedule 40 Type 304.....	47.99	17.17
<i>For Work In Restricted Working Space, Add</i>	10.30	
40 05 23 43-0266 EA 3/4" Union, Stainless Steel, Schedule 40 Type 304.....	64.12	22.74
<i>For Work In Restricted Working Space, Add</i>	13.62	
40 05 23 43-0267 EA 1" Union, Stainless Steel, Schedule 40 Type 304.....	83.48	28.15
<i>For Work In Restricted Working Space, Add</i>	16.89	
40 05 23 43-0268 EA 1-1/4" Union, Stainless Steel, Schedule 40 Type 304.....	128.15	39.13
<i>For Work In Restricted Working Space, Add</i>	23.46	
40 05 23 43-0269 EA 1-1/2" Union, Stainless Steel, Schedule 40 Type 304.....	146.69	43.98
<i>For Work In Restricted Working Space, Add</i>	26.39	
40 05 23 43-0270 EA 2" Union, Stainless Steel, Schedule 40 Type 304.....	191.42	58.62
<i>For Work In Restricted Working Space, Add</i>	35.19	
40 05 23 43-0271 Flanges <small>(40 05 23 43-0213)</small>		
40 05 23 43-0272 EA 2-1/2" Flange, Stainless Steel, Schedule 40 Type 304.....	177.09	58.62
<i>For Work In Restricted Working Space, Add</i>	35.19	
40 05 23 43-0273 EA 3" Flange, Stainless Steel, Schedule 40 Type 304.....	214.94	119.65
<i>For Work In Restricted Working Space, Add</i>	44.93	
40 05 23 43-0274 EA 4" Flange, Stainless Steel, Schedule 40 Type 304.....	281.35	93.81
<i>For Work In Restricted Working Space, Add</i>	56.30	
40 05 23 43-0275 Caps <small>(40 05 23 43-0213)</small>		
40 05 23 43-0276 EA 1/2" Caps, Stainless Steel, Schedule 40 Type 304.....	13.86	5.70
<i>For Work In Restricted Working Space, Add</i>	3.41	
40 05 23 43-0277 EA 3/4" Caps, Stainless Steel, Schedule 40 Type 304.....	18.79	7.60
<i>For Work In Restricted Working Space, Add</i>	4.54	
40 05 23 43-0278 EA 1" Caps, Stainless Steel, Schedule 40 Type 304.....	24.14	9.36
<i>For Work In Restricted Working Space, Add</i>	5.63	
40 05 23 43-0279 EA 1-1/4" Caps, Stainless Steel, Schedule 40 Type 304.....	40.65	13.30
<i>For Work In Restricted Working Space, Add</i>	7.97	
40 05 23 43-0280 EA 1-1/2" Caps, Stainless Steel, Schedule 40 Type 304.....	46.21	14.99
<i>For Work In Restricted Working Space, Add</i>	8.99	
40 05 23 43-0281 EA 2" Caps, Stainless Steel, Schedule 40 Type 304.....	58.67	19.01
<i>For Work In Restricted Working Space, Add</i>	11.41	
40 05 23 43-0282 EA 2-1/2" Caps, Stainless Steel, Schedule 40 Type 304.....	91.26	28.15
<i>For Work In Restricted Working Space, Add</i>	16.89	
40 05 23 43-0283 EA 3" Caps, Stainless Steel, Schedule 40 Type 304.....	122.41	37.02
<i>For Work In Restricted Working Space, Add</i>	22.22	
40 05 23 43-0284 EA 4" Caps, Stainless Steel, Schedule 40 Type 304.....	183.18	46.95
<i>For Work In Restricted Working Space, Add</i>	28.15	
40 05 23 43-0285 Additional Fittings <small>(40 05 23 43-0213)</small>		
40 05 23 43-0286 EA 1/2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	57.14	23.57
<i>For Work In Restricted Working Space, Add</i>	14.15	
40 05 23 43-0287 EA 3/4" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	66.84	28.15
<i>For Work In Restricted Working Space, Add</i>	16.89	
40 05 23 43-0288 EA 1" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	100.71	32.02
<i>For Work In Restricted Working Space, Add</i>	19.22	
40 05 23 43-0289 EA 1-1/4" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	120.99	35.19
<i>For Work In Restricted Working Space, Add</i>	21.11	
40 05 23 43-0290 EA 1-1/2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	120.99	35.19
<i>For Work In Restricted Working Space, Add</i>	21.11	
40 05 23 43-0291 EA 2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	154.84	38.71
<i>For Work In Restricted Working Space, Add</i>	23.23	
40 05 23 43-0292 Type 304 Schedule 5 Pipe And Welded Butt Fittings <small>(40 05 23 43-0212)</small>		
40 05 23 43-0293 Pipe <small>(40 05 23 43-0292)</small>		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0294 LF 1/2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	11.89 1.78	2.96
40 05 23 43-0295 LF 3/4" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	14.10 2.18	3.62
40 05 23 43-0296 LF 1" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	16.79 2.55	4.28
40 05 23 43-0297 LF 1-1/4" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	20.09 3.19	5.33
40 05 23 43-0298 LF 1-1/2" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	22.89 3.59	5.99
40 05 23 43-0299 LF 2" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	28.51 4.45	7.45
40 05 23 43-0300 LF 2-1/2" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	36.00 5.09	8.49
40 05 23 43-0301 LF 3" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	42.05 5.73	9.55
40 05 23 43-0302 LF 4" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	51.93 6.78	11.34
40 05 23 43-0303 LF 6" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	84.06 8.90	14.89
40 05 23 43-0304 LF 8" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	139.51 16.87	26.26
40 05 23 43-0305 LF 10" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	179.13 18.56	28.87
40 05 23 43-0306 LF 12" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	204.88 20.62	32.10
40 05 23 43-0307 90 Degree Elbows <small>(40 05 23 43-0292)</small>		
40 05 23 43-0308 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	88.64 22.53	37.56
40 05 23 43-0309 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	93.97 23.92	39.87
40 05 23 43-0310 EA 1" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	103.10 26.28	43.81
40 05 23 43-0311 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	120.33 28.66	47.76
40 05 23 43-0312 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	124.80 31.60	52.71
40 05 23 43-0313 EA 2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	143.44 35.20	58.64
40 05 23 43-0314 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	187.19 45.00	75.11
40 05 23 43-0315 EA 3" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	222.52 52.68	87.96
40 05 23 43-0316 EA 4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	297.11 63.11	105.42
40 05 23 43-0317 EA 6" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	510.99 78.94	131.77
40 05 23 43-0318 EA 8" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	863.25 132.56	206.21
40 05 23 43-0319 EA 10" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,456.70 176.75	274.94
40 05 23 43-0320 EA 12" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,255.88 265.13	412.43
40 05 23 43-0321 45 Degree Elbows <small>(40 05 23 43-0292)</small>		
40 05 23 43-0322 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	94.58 22.53	37.56
40 05 23 43-0323 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	99.20 23.92	39.87
40 05 23 43-0324 EA 1" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	109.56 26.28	43.81
40 05 23 43-0325 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	132.67 28.65	47.76
40 05 23 43-0326 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	125.37 31.64	52.71
40 05 23 43-0327 EA 2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	140.25 35.20	58.64
40 05 23 43-0328 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	188.21 45.05	75.11
40 05 23 43-0329 EA 3" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	214.93 52.79	87.96
40 05 23 43-0330 EA 4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	279.68 63.19	105.42
40 05 23 43-0331 EA 6" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	412.26 79.06	131.77
40 05 23 43-0332 EA 8" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	702.14 132.56	206.21
40 05 23 43-0333 EA 10" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,173.42 176.75	274.94
40 05 23 43-0334 EA 12" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,813.26 265.13	412.43



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0335 Tees <small>(40 05 23 43-0292)</small>						
40 05 23 43-0336	EA			1/2" Tees, Stainless Steel Schedule 5 Type 304.....	150.34	47.76
				<i>For Work In Restricted Working Space, Add</i>	28.64	
40 05 23 43-0337	EA			3/4" Tees, Stainless Steel Schedule 5 Type 304.....	172.06	58.64
				<i>For Work In Restricted Working Space, Add</i>	35.15	
40 05 23 43-0338	EA			1" Tees, Stainless Steel Schedule 5 Type 304.....	183.90	65.88
				<i>For Work In Restricted Working Space, Add</i>	39.50	
40 05 23 43-0339	EA			1-1/4" Tees, Stainless Steel Schedule 5 Type 304.....	239.56	75.11
				<i>For Work In Restricted Working Space, Add</i>	45.05	
40 05 23 43-0340	EA			1-1/2" Tees, Stainless Steel Schedule 5 Type 304.....	213.39	80.71
				<i>For Work In Restricted Working Space, Add</i>	48.35	
40 05 23 43-0341	EA			2" Tees, Stainless Steel Schedule 5 Type 304.....	230.67	87.96
				<i>For Work In Restricted Working Space, Add</i>	52.74	
40 05 23 43-0342	EA			2-1/2" Tees, Stainless Steel Schedule 5 Type 304.....	366.43	105.42
				<i>For Work In Restricted Working Space, Add</i>	63.19	
40 05 23 43-0343	EA			3" Tees, Stainless Steel Schedule 5 Type 304.....	365.77	131.77
				<i>For Work In Restricted Working Space, Add</i>	79.19	
40 05 23 43-0344	EA			4" Tees, Stainless Steel Schedule 5 Type 304.....	439.66	148.24
				<i>For Work In Restricted Working Space, Add</i>	88.88	
40 05 23 43-0345	EA			6" Tees, Stainless Steel Schedule 5 Type 304.....	828.76	197.65
				<i>For Work In Restricted Working Space, Add</i>	118.50	
40 05 23 43-0346	EA			8" Tee, Stainless Steel Schedule 5 Type 304.....	1,580.63	274.94
				<i>For Work In Restricted Working Space, Add</i>	176.75	
40 05 23 43-0347	EA			10" Tee, Stainless Steel Schedule 5 Type 304.....	2,441.78	412.43
				<i>For Work In Restricted Working Space, Add</i>	265.13	
40 05 23 43-0348	EA			12" Tee, Stainless Steel Schedule 5 Type 304.....	3,096.48	515.53
				<i>For Work In Restricted Working Space, Add</i>	331.41	
40 05 23 43-0349 Reducers <small>(40 05 23 43-0292)</small>						
40 05 23 43-0350	EA			3/4" Reducer, Stainless Steel Schedule 5 Type 304.....	98.87	36.23
				<i>For Work In Restricted Working Space, Add</i>	21.76	
40 05 23 43-0351	EA			1" Reducer, Stainless Steel Schedule 5 Type 304.....	109.45	39.53
				<i>For Work In Restricted Working Space, Add</i>	23.71	
40 05 23 43-0352	EA			1-1/4" Reducer, Stainless Steel Schedule 5 Type 304.....	135.10	43.81
				<i>For Work In Restricted Working Space, Add</i>	26.28	
40 05 23 43-0353	EA			1-1/2" Reducer, Stainless Steel Schedule 5 Type 304.....	115.83	47.76
				<i>For Work In Restricted Working Space, Add</i>	28.65	
40 05 23 43-0354	EA			2" Reducer, Stainless Steel Schedule 5 Type 304.....	127.48	52.71
				<i>For Work In Restricted Working Space, Add</i>	31.64	
40 05 23 43-0355	EA			2-1/2" Reducer, Stainless Steel Schedule 5 Type 304.....	165.16	65.88
				<i>For Work In Restricted Working Space, Add</i>	39.53	
40 05 23 43-0356	EA			3" Reducer, Stainless Steel Schedule 5 Type 304.....	183.06	75.11
				<i>For Work In Restricted Working Space, Add</i>	45.00	
40 05 23 43-0357	EA			4" Reducer, Stainless Steel Schedule 5 Type 304.....	213.07	87.96
				<i>For Work In Restricted Working Space, Add</i>	52.74	
40 05 23 43-0358	EA			6" Reducer, Stainless Steel Schedule 5 Type 304.....	274.63	112.00
				<i>For Work In Restricted Working Space, Add</i>	67.14	
40 05 23 43-0359	EA			8" Reducer, Stainless Steel Schedule 5 Type 304.....	586.53	164.97
				<i>For Work In Restricted Working Space, Add</i>	106.05	
40 05 23 43-0360	EA			10" Reducer, Stainless Steel Schedule 5 Type 304.....	765.99	206.21
				<i>For Work In Restricted Working Space, Add</i>	132.56	
40 05 23 43-0361	EA			12" Reducer, Stainless Steel Schedule 5 Type 304.....	1,018.28	274.94
				<i>For Work In Restricted Working Space, Add</i>	176.75	
40 05 23 43-0362 Weld Neck Flanges <small>(40 05 23 43-0292)</small>						
40 05 23 43-0363	EA			1/2" Flanges, Stainless Steel Schedule 5 Type 304.....	57.12	15.15
				<i>For Work In Restricted Working Space, Add</i>	9.09	
40 05 23 43-0364	EA			3/4" Flanges, Stainless Steel Schedule 5 Type 304.....	59.76	16.48
				<i>For Work In Restricted Working Space, Add</i>	9.89	
40 05 23 43-0365	EA			1" Flanges, Stainless Steel Schedule 5 Type 304.....	70.97	22.08
				<i>For Work In Restricted Working Space, Add</i>	13.25	
40 05 23 43-0366	EA			1-1/4" Flanges, Stainless Steel Schedule 5 Type 304.....	79.18	23.06
				<i>For Work In Restricted Working Space, Add</i>	13.83	
40 05 23 43-0367	EA			1-1/2" Flanges, Stainless Steel Schedule 5 Type 304.....	92.03	26.35
				<i>For Work In Restricted Working Space, Add</i>	15.81	
40 05 23 43-0368	EA			2" Flanges, Stainless Steel Schedule 5 Type 304.....	110.19	29.65
				<i>For Work In Restricted Working Space, Add</i>	17.78	
40 05 23 43-0369	EA			2-1/2" Flanges, Stainless Steel Schedule 5 Type 304.....	149.91	37.89
				<i>For Work In Restricted Working Space, Add</i>	22.73	
40 05 23 43-0370	EA			3" Flanges, Stainless Steel Schedule 5 Type 304.....	165.32	43.81
				<i>For Work In Restricted Working Space, Add</i>	26.27	
40 05 23 43-0371	EA			4" Flanges, Stainless Steel Schedule 5 Type 304.....	226.71	59.30
				<i>For Work In Restricted Working Space, Add</i>	35.57	
40 05 23 43-0372	EA			6" Flanges, Stainless Steel Schedule 5 Type 304.....	343.77	87.96
				<i>For Work In Restricted Working Space, Add</i>	52.74	
40 05 23 43-0373	EA			8" Flange, Stainless Steel Schedule 5 Type 304.....	642.15	103.10
				<i>For Work In Restricted Working Space, Add</i>	66.28	
40 05 23 43-0374	EA			10" Flange, Stainless Steel Schedule 5 Type 304.....	987.26	120.29
				<i>For Work In Restricted Working Space, Add</i>	77.33	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0375 EA 12" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,371.76 88.38	137.47
40 05 23 43-0376 Slip-On Flanges (40 05 23 43-0292)		
40 05 23 43-0377 EA 1/2" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	93.80 19.77	32.94
40 05 23 43-0378 EA 3/4" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	97.56 19.77	32.94
40 05 23 43-0379 EA 1" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	115.02 24.32	40.52
40 05 23 43-0380 EA 1-1/4" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	126.93 26.28	43.81
40 05 23 43-0381 EA 1-1/2" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	141.79 28.86	48.09
40 05 23 43-0382 EA 2" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	166.08 31.60	52.71
40 05 23 43-0383 EA 2-1/2" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	206.15 35.57	59.30
40 05 23 43-0384 EA 3" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	225.50 39.50	65.88
40 05 23 43-0385 EA 4" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	307.90 52.96	88.29
40 05 23 43-0386 EA 6" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	466.85 78.94	131.77
40 05 23 43-0387 EA 8" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,391.68 132.56	206.21
40 05 23 43-0388 Caps (40 05 23 43-0292)		
40 05 23 43-0389 EA 1/2" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	48.12 9.09	15.15
40 05 23 43-0390 EA 3/4" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	53.23 9.89	16.48
40 05 23 43-0391 EA 1" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	66.61 13.05	21.74
40 05 23 43-0392 EA 1-1/4" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	71.99 13.83	23.06
40 05 23 43-0393 EA 1-1/2" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	80.44 15.81	26.35
40 05 23 43-0394 EA 2" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	87.90 17.78	29.65
40 05 23 43-0395 EA 2-1/2" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	109.04 22.73	37.89
40 05 23 43-0396 EA 3" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	124.55 26.27	43.81
40 05 23 43-0397 EA 4" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	181.95 35.17	58.64
40 05 23 43-0398 EA 6" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	242.34 52.74	87.96
40 05 23 43-0399 Reducing Tees (40 05 23 43-0292)		
40 05 23 43-0400 EA 3/4" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	129.15 23.93	47.76
40 05 23 43-0401 EA 1" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	147.14 29.32	58.64
40 05 23 43-0402 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	175.94 32.94	65.88
40 05 23 43-0403 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	173.09 37.55	75.11
40 05 23 43-0404 EA 2" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	188.67 40.35	80.71
40 05 23 43-0405 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	281.99 43.98	87.96
40 05 23 43-0406 EA 3" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	269.44 52.71	105.42
40 05 23 43-0407 EA 4" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	355.01 65.89	131.77
40 05 23 43-0408 EA 6" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	657.11 75.28	150.55
40 05 23 43-0409 EA 8" Reducing Tee, Stainless Steel Schedule 5 Type 304L <i>For Work In Restricted Working Space, Add</i>	1,218.57 110.47	206.21
40 05 23 43-0410 EA 10" Reducing Tee, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,969.84 147.29	274.94
40 05 23 43-0411 EA 12" Reducing Tee, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	2,627.74 220.94	412.43
40 05 23 43-0412 Type 304 Schedule 10 Pipe And Welded Butt Fittings (40 05 23 43-0212)		
40 05 23 43-0413 Pipe (40 05 23 43-0412)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0414 LF 1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	12.03	2.96
<i>For Work In Restricted Working Space, Add</i>	1.78	
40 05 23 43-0415 LF 3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	14.31	3.62
<i>For Work In Restricted Working Space, Add</i>	2.18	
40 05 23 43-0416 LF 1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	19.02	4.28
<i>For Work In Restricted Working Space, Add</i>	2.55	
40 05 23 43-0417 LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	23.21	5.33
<i>For Work In Restricted Working Space, Add</i>	3.19	
40 05 23 43-0418 LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	25.81	5.99
<i>For Work In Restricted Working Space, Add</i>	3.59	
40 05 23 43-0419 LF 2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	31.91	7.45
<i>For Work In Restricted Working Space, Add</i>	4.45	
40 05 23 43-0420 LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	38.21	8.49
<i>For Work In Restricted Working Space, Add</i>	5.09	
40 05 23 43-0421 LF 3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	45.14	9.55
<i>For Work In Restricted Working Space, Add</i>	5.73	
40 05 23 43-0422 LF 4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	56.76	11.34
<i>For Work In Restricted Working Space, Add</i>	6.78	
40 05 23 43-0423 LF 6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	83.00	14.89
<i>For Work In Restricted Working Space, Add</i>	8.90	
40 05 23 43-0424 LF 8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	137.89	26.26
<i>For Work In Restricted Working Space, Add</i>	16.87	
40 05 23 43-0425 LF 10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	176.84	28.87
<i>For Work In Restricted Working Space, Add</i>	18.56	
40 05 23 43-0426 LF 12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	212.04	32.10
<i>For Work In Restricted Working Space, Add</i>	20.62	
40 05 23 43-0427 90 Degree Elbows (40 05 23 43-0412)		
40 05 23 43-0428 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	85.98	37.56
<i>For Work In Restricted Working Space, Add</i>	22.53	
40 05 23 43-0429 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	90.60	39.87
<i>For Work In Restricted Working Space, Add</i>	23.92	
40 05 23 43-0430 EA 1" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	98.50	43.81
<i>For Work In Restricted Working Space, Add</i>	26.29	
40 05 23 43-0431 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304	111.40	47.76
<i>For Work In Restricted Working Space, Add</i>	28.67	
40 05 23 43-0432 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304	125.58	52.71
<i>For Work In Restricted Working Space, Add</i>	31.60	
40 05 23 43-0433 EA 2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	138.59	58.64
<i>For Work In Restricted Working Space, Add</i>	35.20	
40 05 23 43-0434 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304	180.15	75.11
<i>For Work In Restricted Working Space, Add</i>	45.02	
40 05 23 43-0435 EA 3" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	213.63	87.96
<i>For Work In Restricted Working Space, Add</i>	52.70	
40 05 23 43-0436 EA 4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	281.34	105.42
<i>For Work In Restricted Working Space, Add</i>	63.15	
40 05 23 43-0437 EA 6" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	465.37	131.77
<i>For Work In Restricted Working Space, Add</i>	78.90	
40 05 23 43-0438 EA 8" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	903.64	206.21
<i>For Work In Restricted Working Space, Add</i>	132.56	
40 05 23 43-0439 EA 10" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	1,445.80	274.94
<i>For Work In Restricted Working Space, Add</i>	176.75	
40 05 23 43-0440 EA 12" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	2,227.63	412.43
<i>For Work In Restricted Working Space, Add</i>	265.13	
40 05 23 43-0441 45 Degree Elbows (40 05 23 43-0412)		
40 05 23 43-0442 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	90.44	37.56
<i>For Work In Restricted Working Space, Add</i>	22.53	
40 05 23 43-0443 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	95.06	39.87
<i>For Work In Restricted Working Space, Add</i>	23.92	
40 05 23 43-0444 EA 1" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	102.96	43.81
<i>For Work In Restricted Working Space, Add</i>	26.29	
40 05 23 43-0445 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304	112.66	47.76
<i>For Work In Restricted Working Space, Add</i>	28.65	
40 05 23 43-0446 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304	123.00	52.71
<i>For Work In Restricted Working Space, Add</i>	31.64	
40 05 23 43-0447 EA 2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	146.52	58.64
<i>For Work In Restricted Working Space, Add</i>	35.20	
40 05 23 43-0448 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304	179.59	75.11
<i>For Work In Restricted Working Space, Add</i>	45.05	
40 05 23 43-0449 EA 3" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	206.56	87.96
<i>For Work In Restricted Working Space, Add</i>	52.77	
40 05 23 43-0450 EA 4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	264.62	105.42
<i>For Work In Restricted Working Space, Add</i>	63.20	
40 05 23 43-0451 EA 6" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	378.78	131.77
<i>For Work In Restricted Working Space, Add</i>	79.06	
40 05 23 43-0452 EA 8" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	794.56	206.21
<i>For Work In Restricted Working Space, Add</i>	132.56	
40 05 23 43-0453 EA 10" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	1,170.15	274.94
<i>For Work In Restricted Working Space, Add</i>	176.75	
40 05 23 43-0454 EA 12" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	1,810.48	412.43
<i>For Work In Restricted Working Space, Add</i>	265.13	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0455 Tees <small>(40 05 23 43-0412)</small>		
40 05 23 43-0456 EA 1/2" Tees, Stainless Steel Schedule 10 Type 304	131.95	47.76
<i>For Work In Restricted Working Space, Add</i>	28.64	
40 05 23 43-0457 EA 3/4" Tees, Stainless Steel Schedule 10 Type 304	153.67	58.64
<i>For Work In Restricted Working Space, Add</i>	35.15	
40 05 23 43-0458 EA 1" Tees, Stainless Steel Schedule 10 Type 304	168.16	65.88
<i>For Work In Restricted Working Space, Add</i>	39.50	
40 05 23 43-0459 EA 1-1/4" Tees, Stainless Steel Schedule 10 Type 304	190.36	75.11
<i>For Work In Restricted Working Space, Add</i>	45.07	
40 05 23 43-0460 EA 1-1/2" Tees, Stainless Steel Schedule 10 Type 304	202.59	80.71
<i>For Work In Restricted Working Space, Add</i>	48.37	
40 05 23 43-0461 EA 2" Tees, Stainless Steel Schedule 10 Type 304	240.26	87.96
<i>For Work In Restricted Working Space, Add</i>	52.74	
40 05 23 43-0462 EA 2-1/2" Tees, Stainless Steel Schedule 10 Type 304	289.74	105.42
<i>For Work In Restricted Working Space, Add</i>	63.20	
40 05 23 43-0463 EA 3" Tees, Stainless Steel Schedule 10 Type 304	375.78	131.77
<i>For Work In Restricted Working Space, Add</i>	79.16	
40 05 23 43-0464 EA 4" Tees, Stainless Steel Schedule 10 Type 304	417.82	148.24
<i>For Work In Restricted Working Space, Add</i>	88.86	
40 05 23 43-0465 EA 6" Tees, Stainless Steel Schedule 10 Type 304	733.40	197.65
<i>For Work In Restricted Working Space, Add</i>	118.58	
40 05 23 43-0466 EA 8" Tee, Stainless Steel Schedule 10 Type 304	1,235.79	274.94
<i>For Work In Restricted Working Space, Add</i>	176.75	
40 05 23 43-0467 EA 10" Tee, Stainless Steel Schedule 10 Type 304	1,812.54	412.43
<i>For Work In Restricted Working Space, Add</i>	265.13	
40 05 23 43-0468 EA 12" Tee, Stainless Steel Schedule 10 Type 304	3,117.03	515.53
<i>For Work In Restricted Working Space, Add</i>	331.41	
40 05 23 43-0469 Reducers <small>(40 05 23 43-0412)</small>		
40 05 23 43-0470 EA 3/4" Reducer, Stainless Steel Schedule 10 Type 304	100.26	36.23
<i>For Work In Restricted Working Space, Add</i>	21.76	
40 05 23 43-0471 EA 1" Reducer, Stainless Steel Schedule 10 Type 304	111.07	39.53
<i>For Work In Restricted Working Space, Add</i>	23.72	
40 05 23 43-0472 EA 1-1/4" Reducer, Stainless Steel Schedule 10 Type 304	137.61	43.81
<i>For Work In Restricted Working Space, Add</i>	26.29	
40 05 23 43-0473 EA 1-1/2" Reducer, Stainless Steel Schedule 10 Type 304	116.88	47.76
<i>For Work In Restricted Working Space, Add</i>	28.64	
40 05 23 43-0474 EA 2" Reducer, Stainless Steel Schedule 10 Type 304	128.61	52.71
<i>For Work In Restricted Working Space, Add</i>	31.63	
40 05 23 43-0475 EA 2-1/2" Reducer, Stainless Steel Schedule 10 Type 304	166.90	65.88
<i>For Work In Restricted Working Space, Add</i>	39.53	
40 05 23 43-0476 EA 3" Reducer, Stainless Steel Schedule 10 Type 304	184.82	75.11
<i>For Work In Restricted Working Space, Add</i>	45.01	
40 05 23 43-0477 EA 4" Reducer, Stainless Steel Schedule 10 Type 304	215.03	87.96
<i>For Work In Restricted Working Space, Add</i>	52.74	
40 05 23 43-0478 EA 6" Reducer, Stainless Steel Schedule 10 Type 304	277.33	112.00
<i>For Work In Restricted Working Space, Add</i>	67.15	
40 05 23 43-0479 EA 8" Reducer, Stainless Steel Schedule 10 Type 304	598.80	164.97
<i>For Work In Restricted Working Space, Add</i>	106.05	
40 05 23 43-0480 EA 10" Reducer, Stainless Steel Schedule 10 Type 304	783.04	206.21
<i>For Work In Restricted Working Space, Add</i>	132.56	
40 05 23 43-0481 EA 12" Reducer, Stainless Steel Schedule 10 Type 304	1,040.86	274.94
<i>For Work In Restricted Working Space, Add</i>	176.75	
40 05 23 43-0482 Flanges <small>(40 05 23 43-0412)</small>		
40 05 23 43-0483 EA 1/2" Flanges, Stainless Steel Schedule 10 Type 304	58.53	15.15
<i>For Work In Restricted Working Space, Add</i>	9.09	
40 05 23 43-0484 EA 3/4" Flanges, Stainless Steel Schedule 10 Type 304	61.17	16.48
<i>For Work In Restricted Working Space, Add</i>	9.89	
40 05 23 43-0485 EA 1" Flanges, Stainless Steel Schedule 10 Type 304	72.37	22.08
<i>For Work In Restricted Working Space, Add</i>	13.25	
40 05 23 43-0486 EA 1-1/4" Flanges, Stainless Steel Schedule 10 Type 304	80.92	23.06
<i>For Work In Restricted Working Space, Add</i>	13.83	
40 05 23 43-0487 EA 1-1/2" Flanges, Stainless Steel Schedule 10 Type 304	94.10	26.35
<i>For Work In Restricted Working Space, Add</i>	15.81	
40 05 23 43-0488 EA 2" Flanges, Stainless Steel Schedule 10 Type 304	112.87	29.65
<i>For Work In Restricted Working Space, Add</i>	17.78	
40 05 23 43-0489 EA 2-1/2" Flanges, Stainless Steel Schedule 10 Type 304	153.83	37.89
<i>For Work In Restricted Working Space, Add</i>	22.73	
40 05 23 43-0490 EA 3" Flanges, Stainless Steel Schedule 10 Type 304	169.40	43.81
<i>For Work In Restricted Working Space, Add</i>	26.27	
40 05 23 43-0491 EA 4" Flanges, Stainless Steel Schedule 10 Type 304	232.42	59.30
<i>For Work In Restricted Working Space, Add</i>	35.58	
40 05 23 43-0492 EA 6" Flanges, Stainless Steel Schedule 10 Type 304	352.58	87.96
<i>For Work In Restricted Working Space, Add</i>	52.73	
40 05 23 43-0493 EA 8" Flange, Stainless Steel Schedule 10 Type 304	664.31	103.10
<i>For Work In Restricted Working Space, Add</i>	66.28	
40 05 23 43-0494 EA 10" Flange, Stainless Steel Schedule 10 Type 304	1,025.65	120.29
<i>For Work In Restricted Working Space, Add</i>	77.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0495 EA 12" Flange, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,428.46 88.38	137.47
40 05 23 43-0496 Slip-On Flanges <small>(40 05 23 43-0412)</small>		
40 05 23 43-0497 EA 1/2" Flange, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	95.27 19.77	32.94
40 05 23 43-0498 EA 3/4" Flange, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	99.23 19.77	32.94
40 05 23 43-0499 EA 1" Flange, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	116.80 24.32	40.52
40 05 23 43-0500 EA 1-1/4" Flange, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	129.00 26.28	43.81
40 05 23 43-0501 EA 1-1/2" Flange, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	144.18 28.86	48.09
40 05 23 43-0502 EA 2" Flange, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	169.31 31.61	52.71
40 05 23 43-0503 EA 2-1/2" Flange, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	210.78 35.58	59.30
40 05 23 43-0504 EA 3" Flange, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	230.45 39.50	65.88
40 05 23 43-0505 EA 4" Flange, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	314.85 52.97	88.29
40 05 23 43-0506 EA 6" Flange, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	477.74 78.99	131.77
40 05 23 43-0507 EA 8" Flange, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,441.67 132.56	206.21
40 05 23 43-0508 Caps <small>(40 05 23 43-0412)</small>		
40 05 23 43-0509 EA 1/2" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	49.06 9.09	15.15
40 05 23 43-0510 EA 3/4" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	54.30 9.89	16.48
40 05 23 43-0511 EA 1" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	67.82 13.05	21.74
40 05 23 43-0512 EA 1-1/4" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	73.35 13.83	23.06
40 05 23 43-0513 EA 1-1/2" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	81.90 15.81	26.35
40 05 23 43-0514 EA 2" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	89.41 17.78	29.65
40 05 23 43-0515 EA 2-1/2" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	110.80 22.73	37.89
40 05 23 43-0516 EA 3" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	126.48 26.27	43.81
40 05 23 43-0517 EA 4" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	185.39 35.18	58.64
40 05 23 43-0518 EA 6" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	245.81 52.73	87.96
40 05 23 43-0519 Reducing Tees <small>(40 05 23 43-0412)</small>		
40 05 23 43-0520 EA 3/4" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	133.06 23.93	47.76
40 05 23 43-0521 EA 1" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	164.47 29.32	58.64
40 05 23 43-0522 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	183.29 32.94	65.88
40 05 23 43-0523 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	205.41 37.55	75.11
40 05 23 43-0524 EA 2" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	228.69 40.35	80.71
40 05 23 43-0525 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	335.56 43.98	87.96
40 05 23 43-0526 EA 3" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	339.21 52.71	105.42
40 05 23 43-0527 EA 4" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	419.83 65.89	131.77
40 05 23 43-0528 EA 6" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	744.99 75.28	150.55
40 05 23 43-0529 EA 8" Reducing Tee, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,313.05 110.47	206.21
40 05 23 43-0530 EA 10" Reducing Tee, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	2,815.50 147.29	274.94
40 05 23 43-0531 EA 12" Reducing Tee, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	3,676.81 220.94	412.43
40 05 23 43-0532 Type 304 Schedule 40 Pipe And Welded Butt Fittings <small>(40 05 23 43-0532)</small>		
40 05 23 43-0533 Pipe <small>(40 05 23 43-0532)</small>		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0534 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting.....	13.53	2.96
<i>For Work In Restricted Working Space, Add</i>	1.78	
40 05 23 43-0535 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting.....	16.44	3.62
<i>For Work In Restricted Working Space, Add</i>	2.18	
40 05 23 43-0536 LF 1" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	20.16	4.28
<i>For Work In Restricted Working Space, Add</i>	2.55	
40 05 23 43-0537 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	25.21	5.27
<i>For Work In Restricted Working Space, Add</i>	3.19	
40 05 23 43-0538 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	29.06	5.93
<i>For Work In Restricted Working Space, Add</i>	3.59	
40 05 23 43-0539 LF 2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	37.26	7.58
<i>For Work In Restricted Working Space, Add</i>	4.45	
40 05 23 43-0540 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	46.37	8.57
<i>For Work In Restricted Working Space, Add</i>	5.09	
40 05 23 43-0541 LF 3" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	44.99	9.55
<i>For Work In Restricted Working Space, Add</i>	5.73	
40 05 23 43-0542 LF 4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	74.96	11.20
<i>For Work In Restricted Working Space, Add</i>	6.78	
40 05 23 43-0543 LF 6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	117.16	14.82
<i>For Work In Restricted Working Space, Add</i>	8.90	
40 05 23 43-0544 LF 8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	206.21	26.12
<i>For Work In Restricted Working Space, Add</i>	16.87	
40 05 23 43-0545 LF 10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	261.82	28.87
<i>For Work In Restricted Working Space, Add</i>	18.56	
40 05 23 43-0546 LF 12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	327.02	31.96
<i>For Work In Restricted Working Space, Add</i>	20.62	
40 05 23 43-0547 90 Degree Elbows <small>(40 05 23 43-0532)</small>		
40 05 23 43-0548 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	90.86	37.56
<i>For Work In Restricted Working Space, Add</i>	22.53	
40 05 23 43-0549 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	95.48	39.87
<i>For Work In Restricted Working Space, Add</i>	23.92	
40 05 23 43-0550 EA 1" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	105.50	43.81
<i>For Work In Restricted Working Space, Add</i>	26.29	
40 05 23 43-0551 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	122.30	47.76
<i>For Work In Restricted Working Space, Add</i>	28.67	
40 05 23 43-0552 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	127.65	52.71
<i>For Work In Restricted Working Space, Add</i>	31.60	
40 05 23 43-0553 EA 2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	147.08	58.64
<i>For Work In Restricted Working Space, Add</i>	35.20	
40 05 23 43-0554 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	212.02	75.11
<i>For Work In Restricted Working Space, Add</i>	45.02	
40 05 23 43-0555 EA 3" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	259.78	87.96
<i>For Work In Restricted Working Space, Add</i>	52.70	
40 05 23 43-0556 EA 4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	359.22	105.42
<i>For Work In Restricted Working Space, Add</i>	63.15	
40 05 23 43-0557 EA 6" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	758.72	131.77
<i>For Work In Restricted Working Space, Add</i>	78.90	
40 05 23 43-0558 EA 8" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	1,274.00	206.21
<i>For Work In Restricted Working Space, Add</i>	132.56	
40 05 23 43-0559 EA 10" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	2,350.78	274.94
<i>For Work In Restricted Working Space, Add</i>	176.75	
40 05 23 43-0560 EA 12" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	3,318.16	412.43
<i>For Work In Restricted Working Space, Add</i>	265.13	
40 05 23 43-0561 45 Degree <small>(40 05 23 43-0532)</small>		
40 05 23 43-0562 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	97.41	37.56
<i>For Work In Restricted Working Space, Add</i>	22.53	
40 05 23 43-0563 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	102.03	39.87
<i>For Work In Restricted Working Space, Add</i>	23.92	
40 05 23 43-0564 EA 1" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	109.93	43.81
<i>For Work In Restricted Working Space, Add</i>	26.29	
40 05 23 43-0565 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	117.81	47.76
<i>For Work In Restricted Working Space, Add</i>	28.65	
40 05 23 43-0566 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	135.20	52.71
<i>For Work In Restricted Working Space, Add</i>	31.64	
40 05 23 43-0567 EA 2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	148.59	58.64
<i>For Work In Restricted Working Space, Add</i>	35.20	
40 05 23 43-0568 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	209.48	75.11
<i>For Work In Restricted Working Space, Add</i>	45.05	
40 05 23 43-0569 EA 3" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	235.22	87.96
<i>For Work In Restricted Working Space, Add</i>	52.77	
40 05 23 43-0570 EA 4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	315.14	105.42
<i>For Work In Restricted Working Space, Add</i>	63.20	
40 05 23 43-0571 EA 6" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	560.98	131.77
<i>For Work In Restricted Working Space, Add</i>	79.06	
40 05 23 43-0572 EA 8" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	990.72	206.21
<i>For Work In Restricted Working Space, Add</i>	132.56	
40 05 23 43-0573 EA 10" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	1,642.60	274.94
<i>For Work In Restricted Working Space, Add</i>	176.75	
40 05 23 43-0574 EA 12" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	2,247.03	412.43
<i>For Work In Restricted Working Space, Add</i>	265.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0575 Tees <small>(40 05 23 43-0532)</small>		
40 05 23 43-0576 EA 1/2" Tees, Stainless Steel Schedule 40 Type 304	147.69	47.76
For Work In Restricted Working Space, Add	28.64	
40 05 23 43-0577 EA 3/4" Tees, Stainless Steel Schedule 40 Type 304	169.41	58.64
For Work In Restricted Working Space, Add	35.15	
40 05 23 43-0578 EA 1" Tees, Stainless Steel Schedule 40 Type 304	183.90	65.88
For Work In Restricted Working Space, Add	39.50	
40 05 23 43-0579 EA 1-1/4" Tees, Stainless Steel Schedule 40 Type 304	234.32	75.11
For Work In Restricted Working Space, Add	45.07	
40 05 23 43-0580 EA 1-1/2" Tees, Stainless Steel Schedule 40 Type 304	213.47	80.71
For Work In Restricted Working Space, Add	48.37	
40 05 23 43-0581 EA 2" Tees, Stainless Steel Schedule 40 Type 304	230.68	87.96
For Work In Restricted Working Space, Add	52.74	
40 05 23 43-0582 EA 2-1/2" Tees, Stainless Steel Schedule 40 Type 304	359.40	105.42
For Work In Restricted Working Space, Add	63.20	
40 05 23 43-0583 EA 3" Tees, Stainless Steel Schedule 40 Type 304	382.50	131.77
For Work In Restricted Working Space, Add	79.16	
40 05 23 43-0584 EA 4" Tees, Stainless Steel Schedule 40 Type 304	457.30	148.24
For Work In Restricted Working Space, Add	88.86	
40 05 23 43-0585 EA 6" Tees, Stainless Steel Schedule 40 Type 304	878.62	197.65
For Work In Restricted Working Space, Add	118.58	
40 05 23 43-0586 EA 8" Tee, Stainless Steel Schedule 40 Type 304	1,890.46	274.94
For Work In Restricted Working Space, Add	176.75	
40 05 23 43-0587 EA 10" Tee, Stainless Steel Schedule 40 Type 304	3,362.42	412.43
For Work In Restricted Working Space, Add	265.13	
40 05 23 43-0588 EA 12" Tee, Stainless Steel Schedule 40 Type 304	4,203.02	515.53
For Work In Restricted Working Space, Add	331.41	
40 05 23 43-0589 Reducers <small>(40 05 23 43-0532)</small>		
40 05 23 43-0590 EA 3/4" Reducer, Stainless Steel Schedule 40 Type 304	103.59	36.23
For Work In Restricted Working Space, Add	21.76	
40 05 23 43-0591 EA 1" Reducer, Stainless Steel Schedule 40 Type 304	114.90	39.53
For Work In Restricted Working Space, Add	23.71	
40 05 23 43-0592 EA 1-1/4" Reducer, Stainless Steel Schedule 40 Type 304	143.60	43.81
For Work In Restricted Working Space, Add	26.28	
40 05 23 43-0593 EA 1-1/2" Reducer, Stainless Steel Schedule 40 Type 304	119.47	47.76
For Work In Restricted Working Space, Add	28.65	
40 05 23 43-0594 EA 2" Reducer, Stainless Steel Schedule 40 Type 304	131.42	52.71
For Work In Restricted Working Space, Add	31.64	
40 05 23 43-0595 EA 2-1/2" Reducer, Stainless Steel Schedule 40 Type 304	171.14	65.88
For Work In Restricted Working Space, Add	39.53	
40 05 23 43-0596 EA 3" Reducer, Stainless Steel Schedule 40 Type 304	188.97	75.11
For Work In Restricted Working Space, Add	45.00	
40 05 23 43-0597 EA 4" Reducer, Stainless Steel Schedule 40 Type 304	219.74	87.96
For Work In Restricted Working Space, Add	52.74	
40 05 23 43-0598 EA 6" Reducer, Stainless Steel Schedule 40 Type 304	283.73	112.00
For Work In Restricted Working Space, Add	67.14	
40 05 23 43-0599 EA 8" Reducer, Stainless Steel Schedule 40 Type 304	628.23	164.97
For Work In Restricted Working Space, Add	106.05	
40 05 23 43-0600 EA 10" Reducer, Stainless Steel Schedule 40 Type 304	823.98	206.21
For Work In Restricted Working Space, Add	132.56	
40 05 23 43-0601 EA 12" Reducer, Stainless Steel Schedule 40 Type 304	1,095.07	274.94
For Work In Restricted Working Space, Add	176.75	
40 05 23 43-0602 Flanges <small>(40 05 23 43-0532)</small>		
40 05 23 43-0603 EA 1/2" Flanges, Stainless Steel Schedule 40 Type 304	61.91	15.15
For Work In Restricted Working Space, Add	9.09	
40 05 23 43-0604 EA 3/4" Flanges, Stainless Steel Schedule 40 Type 304	64.55	16.48
For Work In Restricted Working Space, Add	9.89	
40 05 23 43-0605 EA 1" Flanges, Stainless Steel Schedule 40 Type 304	75.75	22.08
For Work In Restricted Working Space, Add	13.25	
40 05 23 43-0606 EA 1-1/4" Flanges, Stainless Steel Schedule 40 Type 304	85.10	23.06
For Work In Restricted Working Space, Add	13.83	
40 05 23 43-0607 EA 1-1/2" Flanges, Stainless Steel Schedule 40 Type 304	99.06	26.35
For Work In Restricted Working Space, Add	15.81	
40 05 23 43-0608 EA 2" Flanges, Stainless Steel Schedule 40 Type 304	119.31	29.65
For Work In Restricted Working Space, Add	17.78	
40 05 23 43-0609 EA 2-1/2" Flanges, Stainless Steel Schedule 40 Type 304	163.19	37.89
For Work In Restricted Working Space, Add	22.73	
40 05 23 43-0610 EA 3" Flanges, Stainless Steel Schedule 40 Type 304	179.22	43.81
For Work In Restricted Working Space, Add	26.27	
40 05 23 43-0611 EA 4" Flanges, Stainless Steel Schedule 40 Type 304	246.08	59.30
For Work In Restricted Working Space, Add	35.58	
40 05 23 43-0612 EA 6" Flanges, Stainless Steel Schedule 40 Type 304	373.79	87.96
For Work In Restricted Working Space, Add	52.73	
40 05 23 43-0613 EA 8" Flange, Stainless Steel Schedule 40 Type 304	717.52	103.10
For Work In Restricted Working Space, Add	66.28	
40 05 23 43-0614 EA 10" Flange, Stainless Steel Schedule 40 Type 304	1,117.80	120.29
For Work In Restricted Working Space, Add	77.33	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0615 EA 12" Flange, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,564.52 88.38	137.47
40 05 23 43-0616 Slip-On Flanges (40 05 23 43-0532)		
40 05 23 43-0617 EA 1/2" Flange, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	98.79 19.77	32.94
40 05 23 43-0618 EA 3/4" Flange, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	103.23 19.77	32.94
40 05 23 43-0619 EA 1" Flange, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	121.09 24.32	40.52
40 05 23 43-0620 EA 1-1/4" Flange, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	133.96 26.28	43.81
40 05 23 43-0621 EA 1-1/2" Flange, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	149.94 28.86	48.09
40 05 23 43-0622 EA 2" Flange, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	176.98 31.61	52.71
40 05 23 43-0623 EA 2-1/2" Flange, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	221.84 35.58	59.30
40 05 23 43-0624 EA 3" Flange, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	242.30 39.50	65.88
40 05 23 43-0625 EA 4" Flange, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	331.45 52.97	88.29
40 05 23 43-0626 EA 6" Flange, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	503.47 78.99	131.77
40 05 23 43-0627 EA 8" Flange, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,561.65 132.56	206.21
40 05 23 43-0628 Caps (40 05 23 43-0532)		
40 05 23 43-0629 EA 1/2" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	51.31 9.09	15.15
40 05 23 43-0630 EA 3/4" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	56.86 9.89	16.48
40 05 23 43-0631 EA 1" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	70.74 13.05	21.74
40 05 23 43-0632 EA 1-1/4" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	76.62 13.83	23.06
40 05 23 43-0633 EA 1-1/2" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	85.40 15.81	26.35
40 05 23 43-0634 EA 2" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	93.03 17.78	29.65
40 05 23 43-0635 EA 2-1/2" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	115.00 22.73	37.89
40 05 23 43-0636 EA 3" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	131.15 26.27	43.81
40 05 23 43-0637 EA 4" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	193.56 35.18	58.64
40 05 23 43-0638 EA 6" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	254.21 52.73	87.96
40 05 23 43-0639 Reducing Tees (40 05 23 43-0532)		
40 05 23 43-0640 EA 1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	136.98 23.86	47.76
40 05 23 43-0641 EA 3/4" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	155.07 29.29	58.64
40 05 23 43-0642 EA 1" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	167.17 32.92	65.88
40 05 23 43-0643 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	217.63 37.54	75.11
40 05 23 43-0644 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	191.76 40.29	80.71
40 05 23 43-0645 EA 2" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	206.86 43.95	87.96
40 05 23 43-0646 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	339.12 52.66	105.42
40 05 23 43-0647 EA 3" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	350.45 65.99	131.77
40 05 23 43-0648 EA 4" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	424.09 74.06	148.24
40 05 23 43-0649 EA 6" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	860.83 98.75	197.65
40 05 23 43-0650 EA 8" Reducing Tee, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,922.40 147.29	274.94
40 05 23 43-0651 EA 10" Reducing Tee, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	3,462.99 220.94	412.43
40 05 23 43-0652 EA 12" Reducing Tee, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	4,328.74 276.18	515.53



Process Interconnections	40	40
Common Work Results For Process Interconnections	40 05	
Stainless Steel Process Pipe and Tubing	40 05 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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END OF SECTION 40

40 Process Interconnections**40 05 Common Work Results For Process Interconnections**

40 05 23 Stainless Steel Process Pipe and Tubing

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**THIS PAGE INTENTIONALLY LEFT BLANK**



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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41 Material Processing And Handling Equipment

41 01 Operation And Maintenance Of Material Processing And Handling Equipment ⁽⁴¹⁾

41 01 20 Operation And Maintenance Of Piece Material Handling Equipment ^(41 01)

41 01 20 00-0001	Maintenance ^(41 01 20)		
41 01 20 00-0002	EA Regular Inspection.....	268.77	
41 01 20 00-0003	HR Hoist Or Crane Servicing, Labor Only.....	74.27	
41 01 20 00-0004	MO Hoist Or Crane Maintenance Contract.....	581.75	

41 20 Piece Material Handling Equipment ⁽⁴¹⁾

41 22 Cranes And Hoists ^(41 20)

41 22 23 Hoists ^(41 22)

41 22 23 13 Fixed Hoists ^(41 22 23)

41 22 23 13-0001 Electric Hoists ^(41 22 23 13)

41 22 23 13-0002 Electric Industrial Chain Hoists ^(41 22 23 13-0001)

Note: Includes 20' of chain. Excludes beams.

41 22 23 13-0003	EA 500 LB Capacity, Electric Industrial Chain Hoist.....	2,560.04	236.39
	For DC Electrical Operated, Add	521.45	
	For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0004	EA 1,000 LB Capacity, Electric Industrial Chain Hoist.....	2,674.03	236.39
	For DC Electrical Operated, Add	549.63	
	For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0005	EA 2,000 LB Capacity, Electric Industrial Chain Hoist.....	2,960.51	236.39
	For DC Electrical Operated, Add	619.30	
	For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0006	EA 3,000 LB Capacity, Electric Industrial Chain Hoist.....	4,487.29	244.55
	For DC Electrical Operated, Add	995.84	
	For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0007	EA 4,000 LB Capacity, Electric Industrial Chain Hoist.....	3,858.94	244.55
	For DC Electrical Operated, Add	837.29	
	For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0008	EA 5,000 LB Capacity, Electric Industrial Chain Hoist.....	5,538.74	252.70
	For DC Electrical Operated, Add	1,250.68	
	For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0009	EA 6,000 LB Capacity, Electric Industrial Chain Hoist.....	4,993.33	277.16
	For DC Electrical Operated, Add	1,091.52	
	For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0010	EA 7,500 LB Capacity, Electric Industrial Chain Hoist.....	6,189.68	342.36
	For DC Electrical Operated, Add	1,386.61	
	For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0011	EA 10,000 LB Capacity, Electric Industrial Chain Hoist.....	7,334.37	350.45
	For DC Electrical Operated, Add	1,682.02	
	For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0012	EA 15,000 LB Capacity, Electric Industrial Chain Hoist.....	11,838.55	365.69
	For DC Electrical Operated, Add	2,776.63	
	For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0013	EA 20,000 LB Capacity, Electric Industrial Chain Hoist.....	14,201.26	380.93
	For DC Electrical Operated, Add	3,359.39	
	For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0014	EA 25,000 LB Capacity, Electric Industrial Chain Hoist.....	19,689.82	396.16
	For DC Electrical Operated, Add	4,723.40	
	For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0015	EA 30,000 LB Capacity, Electric Industrial Chain Hoist.....	25,223.67	434.26
	For DC Electrical Operated, Add	6,087.72	
	For Each LF Copper Conductor Bar, Add	10.50	

41 22 23 13-0016 Hand Chain Hoists ^(41 22 23 13)

41 22 23 13-0017	EA 1,000 LB Capacity, Hand Chain Hoist.....	911.71	82.28
41 22 23 13-0018	EA 2,000 LB Capacity, Hand Chain Hoist.....	1,073.95	83.41
41 22 23 13-0019	EA 3,000 LB Capacity, Hand Chain Hoist.....	1,441.38	87.35
41 22 23 13-0020	EA 4,000 LB Capacity, Hand Chain Hoist.....	1,622.19	88.48
41 22 23 13-0021	EA 5,000 LB Capacity, Hand Chain Hoist.....	1,957.45	92.99
41 22 23 13-0022	EA 6,000 LB Capacity, Hand Chain Hoist.....	2,192.25	108.77
41 22 23 13-0023	EA 10,000 LB Capacity, Hand Chain Hoist.....	3,039.01	112.15
41 22 23 13-0024	EA 16,000 LB Capacity, Hand Chain Hoist.....	3,968.38	135.26
41 22 23 13-0025	EA 20,000 LB Capacity, Hand Chain Hoist.....	4,846.83	141.46
41 22 23 13-0026	EA 30,000 LB Capacity, Hand Chain Hoist.....	8,540.76	161.75

41	41	Material Processing And Handling Equipment
	41 20	Piece Material Handling Equipment
	41 22	Cranes And Hoists



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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END OF SECTION 41



Process Gas and Liquid Handling, Purification, and Storage Equipment	43	43
Liquid Handling Equipment	43 20	
Dry Location Liquid Pumps	43 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 20 Liquid Handling Equipment ⁽⁴³⁾

43 23 Dry Location Liquid Pumps ^(43 20)

43 23 78 Controlled Volume Horizontal Reciprocating Pumps ^(43 23)

43 23 78 31 Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps ^(43 23 78)

43 23 78 31-0001 Diaphragm Pump ^(43 23 78 31)

43 23 78 31-0002 EA 28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI 2,439.09

43 24 Suspended Liquid Pumps ^(43 20)

43 24 41 Archimedes Screw Pumps ^(43 24)

43 24 41 23 Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps ^(43 24 41)

43 24 41 23-0001 Positive Displacement Pump ^(43 24 41 23)

43 24 41 23-0002 EA 25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing..... 2,010.05

43 40 Gas and Liquid Storage ⁽⁴³⁾

43 41 Non-pressurized Tanks And Vessels ^(43 40)

43 41 31 Metallic Specialty Tanks ^(43 41)

43 41 31 00-0001 L.P.G. Tanks With Regulator And Safety Controls ^(43 41 31)

43 41 31 00-0002	EA	250 Gallon LP Gas Storage Tank	1,855.01	40.48
43 41 31 00-0003	EA	500 Gallon LP Gas Storage Tank	2,528.28	48.58
43 41 31 00-0004	EA	1,000 Gallon LP Gas Storage Tank	4,410.53	56.67

END OF SECTION 43

43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 40 Gas and Liquid Storage

43 41 Non-pressurized Tanks And Vessels

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CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**THIS PAGE INTENTIONALLY LEFT BLANK**

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